

HACETTEPE UNIVERSITY INSTITUTE OF POPULATION STUDIES

Technical Demography Program

**PROVINCIAL AND REGIONAL POPULATION PROJECTIONS FOR THE
CENTENARY OF THE REPUBLIC OF TURKEY**

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CENTENARY OF THE REPUBLIC OF TURKEY**

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ABSTRACT

Projection is an estimation process about the future that is due to some various assumptions in view of the fact that conditions of the past time. Population projections have been made for preparation of development plans since the beginning of planned development perspective, and are used by governments, scientists and organizations for monitoring the demographic changes relative to the time for public or private planning about the future. Some national institutions of the states and some international institutions have studies on population projections.

Population projections can be described as estimations of fertility, mortality and migration actions about progression of the population in future which is based on some definite assumptions. *Cohort-component method* is the most usual projection method in the world. Some new software programs were designed for making population projection.

TurkStat has used cohort-component method for population projections, since 1994. Forward and backward population projections have been implemented by TurkStat, for all of the last de-facto population censuses, and finally for the ABPRS 2008 database, which is a de-jure approach. These projections are assumed for Turkey total as a whole, and don't include regional or provincial estimations. Provincial estimations of TurkStat projections are made by mathematical methods.

The scope of this study is to make new provincial and regional urban/rural population projections for the centenary of the Republic of Turkey by a different software program, base on Address Based Population Registration System 2008 database, with contributions of Turkey Demographic and Health surveys (TDHS-1993, TDHS-1998, TDHS-2003, TDHS-2008), United Nations World Population Prospects, 1990 and 2000 General Population Censuses. Evaluation of the population projection results of TurkStat is another purpose .

This is the first trial-study for provincial based cohort-component population projection with regional and provincial assumptions. This study is also the first one of ABPRS based projections, except the national estimation based projections of TurkStat.

The results of this study are not too different from the official projections of TurkStat. The main problem is insufficiency of reliable internal migration statistics. Fertility and mortality are more predictable than migration. Annual population sizes of provincial totals, regional totals and a few national-level Turkey projections are closely near each other. These comparison results are better than expected. However existence of many troubles for provincial assumptions, it is not impossible to make such a study. Provincial and regional projections can be generated by consistent approaches, although the insufficient demographic data issues of Turkey.

Regional different patterns will be followed in Turkey. Population ageing will be occurred in western localities. Percentage of urban population will usually rise in some provinces and regions although the decreasing population sizes due to negative net migration or low fertility levels.

Key Words: Turkey population, population projection, population estimation, cohort-component method, Address Based Population Registration System, urbanization

ÖZET

Projeksiyon, geçmişteki durumlara ait gerçekleri dikkate alarak oluşturulan çeşitli varsayımlarla gelecekle ilgili bir tahminde bulunma yöntemidir. Nüfus projeksiyonları planlı kalkınma bakış açısının başlangıcından beri kalkınma planlarının hazırlanması için üretilmiş ve hükümetler, bilim insanları, kurum ve kuruluşlar tarafından oluşturulacak kamusal veya özel planlamalarda zaman içinde meydana gelecek demografik değişimleri gözlemlemek için kullanılmıştır. Bazı resmi kurum ve kuruluşlar ile uluslararası kuruluşlar nüfus projeksiyonları ile ilgili çalışmalar yapmaktadır.

Nüfus projeksiyonları, nüfusun gelecekte sahip olacağı doğurganlık, ölümlülük ve göç düzeyleri ile ilgili belirli varsayımlara dayanarak oluşturulan tahminler olarak tanımlanabilir. *Kuşak bileşenler yöntemi* Dünya’da en yaygın şekilde kullanılan projeksiyon yöntemidir. Bazı yeni yazılım programları da nüfus projeksiyonları üretilmesi amacıyla geliştirilmiştir.

TÜİK 1994 yılından beri nüfus projeksiyonlarında kuşak-bileşenler yöntemini kullanmaktadır. TÜİK tarafından ileriye ve geriye dönük nüfus projeksiyonları bütün de-facto nüfus sayımlarına uygulanmış ve son olarak de-jure yaklaşımla oluşturulmuş olan Adrese Dayalı Nüfus Kayıt Sistemi veri tabanı için üretilmiştir. Bütün bu nüfus projeksiyonları sadece Türkiye geneli için üretilmiş olup, bölgesel ve/veya il düzeyinde tahminler içermemektedir. TÜİK projeksiyonlarının il tahminleri matematiksel yöntemler kullanılarak oluşturulmuştur.

Bu çalışmanın amacı, Türkiye Cumhuriyetinin yüzüncü kuruluş yıldönümünde farklı bir yazılım programı ve 2008 yılı ADNKS Veri Tabanını kullanarak il, bölge ve kır/kent düzeyinde yeni nüfus projeksiyonları üretmektir. Çalışmada Türkiye Nüfus ve Sağlık Araştırması sonuçlarının (TNSA-1993, TNSA-1998, TNSA-2003, TNSA-2008), Birleşmiş Milletler Dünya Nüfus Tahminleri ve 1990 ve 2000 Nüfus Sayımı sonuçları da veri kaynağı olarak kullanılmıştır.

Çalışmanın bir diğer amacı ise TÜİK tarafından üretilen projeksiyon sonuçlarını değerlendirmektir.

Bu çalışma, bölge ve il düzeyinde varsayımlarını ile kuşak-bileşenler yöntemini kullanarak il ve bölge düzeyinde Türkiye için nüfus projeksiyonu üreten ilk çalışmadır. Bu çalışma aynı zamanda TÜİK tarafından ülke geneli için yapılan nüfus projeksiyonları haricindeki ilk ADNKS tabanlı çalışmadır.

Çalışmanın sonuçları değerlendirildiğinde, üretilen projeksiyonların TÜİK tarafından üretilen nüfus projeksiyon değerlerinden çok farklı olmadığı gözlemlenmiştir. Çalışmada karşılaşılan ana problem, iç göç istatistiklerinin yetersiz olmasıdır. Doğurganlık ve ölümlülük, göç istatistiklerine göre daha tahmin edilebilir durumdadır. İl ve bölge projeksiyon sonuçlarının nüfus toplamlarının, Türkiye geneli için oluşturulan birden fazla nüfus projeksiyonu senaryosu sonuçlarına oldukça yakın çıktığı gözlenmiştir. Bu karşılaştırma sonuçları beklenene göre daha iyidir. İl düzeyinde tahminler konusunda karşılaşılan birtakım güçlükler olmasına rağmen, bu tür bir çalışmanın yapılması imkansız değildir. Bu çalışmanın katkılarından biri de Türkiye’de yeterli demografik veri olmamasına rağmen, il ve bölge projeksiyonlarının tutarlı varsayımlarla üretilebileceğini göstermiş olmasıdır.

Türkiye’deki bölgeler, farklı demografik tutumlar izleyecektir. Türkiye’nin batısında nüfus yaşlanması durumu oluşacaktır. Bazı illerdeki ve bölgelerdeki toplam nüfus büyüklükleri negatif net göç ve düşük doğurganlık nedeniyle düşecek olmasına rağmen kent nüfuslarının oranları genellikle artış gösterecektir.

Anahtar Kelimeler: Türkiye nüfusu, nüfus projeksiyonu, nüfus tahmini, kuşak-bileşen yöntemi, Adrese Dayalı Nüfus Kayıt Sistemi, nüfusun yaşlanması, kentleşme.

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LIST of ABBREVIATIONS

ABPRS	Address Population Registration System
ARIMA	Autoregressive Integrated Moving Average
ASFR	Age-Specific Fertility Rate
ASMR	Age-Specific Mortality Rate
CBR	Crude Birth Rate
CD	Coale-Demeny Life Tables
CDR	Crude Death Rate
DHS	Demographic and Health Survey
EKOSEP	Ekonomic ve Sosyal Entegrasyon Projesi
EU	European Union
EUROSTAT	The Statistical Office of the European Communities
GPC	General Population Census
HIPS	Hacettepe University Institute of Population Studies
IMR	Infant Mortality Rate
IIASA	International Institute for Applied Systems Analysis
IASI	Interamerican Statistical Institute
LE	Life Expectancy
MERNIS	Central Population Management System
NAD	National Address Database
NUTS	The Nomenclature of Territorial Units for Statistics
PRB	Population Reference Bureau
OECD	Organization for Economic Co-operation and Development
OEEC	Organization for European Economic Co-operation
SIS	State Institute of Statistics
SPO	State Planning Organization
TDHS-1993	1993 Turkey Demographic and Health Survey
TDHS-1998	1998 Turkey Demographic and Health Survey
TDHS-2003	2003 Turkey Demographic and Health Survey
TDHS-2008	2008 Turkey Demographic and Health Survey
TFR	Total Fertility Rate

LIST of ABBREVIATIONS (Cont)

TTB	Türk Tabipleri Birliđi
TR	Turkish Republic
TurkStat	Turkish Statistical Institute
TÜSİAD	Türkiye Sanayici ve İşadamları Derneđi
UN	United Nations
UNHCR	United Nations High Committee of Refugees
UN-WPP	United Nations – World Population Prospects
USCB	United States Census Bureau
VID	Vienna Institute of Demography

CHAPTER 1

INTRODUCTION

Demography is the scientific study of human population including size, distribution and composition of populations. It also includes the factors that determine the changes in these aspects of population by considering the population dynamics, socioeconomic determinants and consequences of population change. As a simply definition, the components of change are births, deaths, and migration (Siegel and Swanson 2004).

Demographic information has critical importance for many activities in both the public and private sectors of societies. Projections of future populations and their characteristics are particularly vital to make efficient decisions for planning in the both sectors.

There has been an interest in counting people and monitoring them since the concept of “state” appeared. Governments, decision-makers and some institutions always wanted to know the number of taxpayers, military age people, males, minorities or the size of population for making social policies and/or coordinating administrative studies according to characteristics of the relevant era. The quantitative information of population was needed to manage the army, educational system, sanitary system, taxation etc. Because, planning for the unknown comes about using the known.

Population censuses have a long history and census taking began at least 5800 years ago in Egypt, Babylonia, China, Palestine and Rome (Halacy 1980:1). These historical ones were usually used for military and taxation issues and were not wide-ranging the usual population census we are familiar with today.

The size of a population is commonly the first demographic fact that a government attempts to obtain. The initial censuses were often mere headcounts and the emphasis in census taking was on fiscal and military potentials, especially in the pre-modern times. The modern ones provide comprehensive coverage that are considering the issues related to the individual enumeration of all persons living in a specific geographic area at a definite time.

In spite of the length of the history, modern population censuses truly emerged in Europe (Scandinavian States) especially after the industrial revolution. The U.S. census of population, which was one of the first regular censuses in modern times, has been taken decennially since 1790 (Siegel and Swanson 2004). In the Republic of Turkey, the first official and general population census was in 1927.

Another common method for collecting demographic data is registration system, which differs from a census. The registration systems are conducted for both statistical and administrative uses and can be defined as “an individualized data system, that is, a mechanism of continuous recording, and/or of coordinated linkage, of selected information pertaining to each member of the resident population of a country in such a way to provide the possibility of determining up-to-date information concerning the size and characteristics of that population at selected time intervals” (United Nations 1969). The history of important events in the development of civil registration and of the vital statistics derived from it begins in antiquity. The first record of a registration for people and households comes from the Han dynasty of China during while the 2nd Century (B.C.). Vital registrations began in Protestant Scandinavia; the oldest parish registers in Sweden, since 1608 (Siegel and Swanson 2004).

As vehicles for the collection of demographic data, sample surveys are prevalently used and their purposes and applications differ somewhat from those of censuses.

The governments have been involved in the development of population censuses and registration systems parallel to modernization and industrialization process and due to the necessities of relevant eras. Thus, a prominent improvement on census and registration techniques has taken place up to the current time. There are universal standards on population censuses. Nowadays, population size and its age-sex distribution, population growth rate, urban growth rate, sex-ratio, literacy ratio etc. are calculated from census data.

Demographic changes over time have always been an important topic for governments, scientists and organizations for planning about the future. Censuses and surveys are considerably costly. *Population projection methods* that make estimations for past and future by using the data of censuses and surveys of specific dates are used for this issue. These methods use scientific estimations about the population movements of any community of a region or country in a time period in the future. These estimations are calculated based on the recent past historical demographic data of the community.

Planning is an important part of organized activities, by any managers in a firm or by the central government (Groenewold and Navaneetham 1998:4). The principal uses of population projections and other kinds of projections relates to public or private planning. In addition to the uses in the field planning, there are important uses in demographic analysis and related types of scientific studies. Some national institutions and some international institutions have studies on population projections. This means, there are a number of different perspectives about population projection methods. Over the past few years, some software were designed for making population projection series due to time intervals.

Projection is an estimation process about the future that is based on a variety of assumptions in view the conditions of the past (Data catalogue of TurkStat).¹ Projection is an estimation of the future movements of population according to definite assumptions of fertility, mortality and migration movements (Kocaman 2002:2). Although we think of projections as applying to future population, it may also be into the past: “backward projection”. Population projections have been made for preparation of development plans since the beginning of planned development perspective (Kocaman 2002:1). Population projections have a characteristic that reflects the results of social and economic politics by quantitative methods. Population projections can be described as estimations of fertility, mortality and migration actions and about progression of the population in future which is based on some definite assumptions.

Population projections are applied by some official and non-official institutions in the world. The most comprehensive projections have been presented by The United Nations since 1950, up to now. These studies were about total population of the world, major areas and regions (Shyrock and Siegel 1973). There are some other institutions outside the UN; for example World Bank, International Institute for Applied Systems Analysis (IIASA), Population Reference Bureau (PRB) and US Census Bureau (Soylu 2004:19). Projections for groups of individual countries have been also compiled by various international regional and national agencies, especially by National Statistical Offices.

Some countries change their projections at frequent intervals if they are repeatedly getting out of line with actual demographic developments. The projections differ from one country to another as to the method employed. The main problem is the necessity of a uniform, internationally standardized and statistically reliable projection method or methods.

¹ www.tuik.gov.tr (Accession Date: 25/08/2009)

Population projections can be made for mutable time ranges. Long term projections are usually the ones which are for at least 25 years, middle term projections for 10-25 years and short term projections for the ones which are shorter than ten years (Soylu 2004:19-20). Current estimates make use of data from the recent past in the form of vital statistics, tabulations from population registers, or statistics that are merely correlated with population change. Where there is no such representative and reliable data, the current estimates reduce methodologically to a short-range projection. Middle-term projections will be produced in this thesis, due to the absence of sufficiently representative provincial demographic data in Turkey and inconvenience of provincially forecasts for the future.

Due to every technological and scientific development; data-gathering methods, estimation and calculation of the demographic indicators is in a process of speedy revision and improvement. Essentially, it is needed to consider that population projections should be revised and updated due to changing conditions, and developing new methods or approaches are necessary (Kocaman 2002:1).

In Turkey; after establishment of the Republic, the first general population census was conducted in 1927 and the next one was in 1935. There was a 5 years periodic census until 1990. At that time the census time frame was expanded to 10 years with the 2000 census being the most recent.

In 2007, a new population registration system was developed by Ministry of Interior Affairs and Turkish Statistical Institute (TurkStat)¹: “Address Based Population Registration System”². This system is usually used in the Baltic countries. This means to match every person to his / her address code in software, by using

¹ State Institute of Statistics (SIS) is named as Turkish Statistical Institute (TurkStat) since 2005.

² For the official documents of Address Based Population Registration System, see “www.tuik.gov.tr”

Turkish Republic Identification Numbers. It is the most important stage of the MERNIS Project¹. A brand-new window on demography is being opened in Turkey.

In Turkey, demographic studies are certainly affected by the international developments in demography and also its subspecialty: population projection methods. This is very important for short-term and long-term development projects for the future.

Population projections are grouped in 2 main categories:

- Population projections that are made by usage of mathematical methods
- Population projections that are according to demographic components

The methods of preparing national projections of total population fall very simply into two classes: mathematical methods and component methods. The most usual projection method in the world –especially in the EU member countries- is “*Cohort-Component Method*” which was firstly suggested by English economist Cannan (1985), subsequently used by Bowley (1924), re-introduced by Whelpton (1936) and formulated by Leslie (1945). It is the most widely used of the analytic methods for preparing regional projections, today. This method provides the ability to make projections which include the age-sex distribution and demographic structure of the population, not only the population size. Studies for making population projections based on the demographic components are separated in two groups (Kocaman 2002:9):

- Preparation

¹ MERNIS Project (Central Population Management System) is one of the “e-state” projects which includes setting up a software dataset of all personal status data of the members of population, and implementing the periodically updates of the info. For details, see “www.nvi.gov.tr”

- Assumption

In the preparation process, the base data of the assumptions are checked and observed, the data that is determined to include errors is corrected. Assumptions are made due to the current demographic situation of the area which will be used in the projection, population policies which will be applied, historical trend analysis etc.

In the assumption process, the *theory of demographic transition* is often used as the underlying assumption (Groenewold and Navaneetham 1998:31). Cohort component method is based on the components of population change: *fertility*, *mortality* and *migration*. The demographic transition theory is a generalization that is based on empirical observations of historical birth and death rates from some of the western countries. Mortality and fertility levels declined in an orderly fashion from high to the lower levels, parallel to the economic development, improvements in public health conditions, urbanization, employment of the women, reducing of the preference for and the economic advantages of children etc. This meant a slowing down process of the population growth. According to the theory, the transition process is examined by three phases (Thomlinson 1965; Keyfitz and Flieger 1971): firstly high birth and death rates, then high birth and low death rates, and low birth and death rates at the end.

It can be said that the current demographic structure of Turkey is in the last phase of demographic transition process (Canpolat 2008:110; DİE 1995; Yavuz 2008). Considering the premise of the demographic transition theory has a great importance in the assumption making process of the demographic components for generating population projections for the developing countries like Turkey. In this study, this approach will be considered.

Currently, population projections are feasible by using newly developed software without any requirement for programming language. The official population

projection method in Turkey is cohort-component method which currently used by Turkish Statistical Institute and State Planning Organization, for national-level population projections. The cohort component method was used for Five Year Development Plans (Shorter and Pasta 1974).

TurkStat has used cohort component method for population projections, since 1994. FIVFIV (Shorter, Sendek and Bayoumy 1995) package program is chosen for this application. It is preferentially used by considering the other existing projection programs due to the popularization by some comparison studies and the ability for easily conducted backward and single-age group projections.

The method and program have been applied to the data of population censuses that are periodically executed by TurkStat. Attempts to update the results according to the data of Address Based Registration System has gone on and some general results of that study was released on the TurkStat official Web site (www.tuik.gov.tr), in April 2009. These results only include assumptions and forecasts for total population of Turkey at national-level, not for any regional or provincial based assumptions. Provincial estimations of TurkStat are made by mathematical methods, not by cohort component method. New population projections are fundamentally needed for Turkey.

A very important aspect of demographic analysis is making comparisons of population change among different political units, residence areas and groups that have various demographic, social and economic characteristics (Siegel and Swanson 2004:263).

The scope of this study is to make new provincial and regional population projections for the centenary of the Republic of Turkey by a different software that is named as “*Spectrum-DemProj 4*” and which is a cohort-component method based

software. These projections will be made by using a new database: the most updated (2008) database of Address Based Population Registration System.

Another objective is discussion of the current place and situation of Turkey in the world of studies, methods and applications for population projections. This discussion will be made to keep up with the world-wide developmental stages of population projection methods and new approaches.

Evaluation of the population projection methods which are used by TurkStat is another purpose of this study. The comparison for evaluation will be discussed especially comparing these methods with in order to apply the software, the data of Turkey Population Censuses or Address Based Population Registration System will be used.

This thesis will be used to examine the forecasts of provincial, regional and total sizes of Turkey population and the main demographic indicators, up to the year of 2023, which is going to be end of the first century of the Republic of Turkey.

Thus, the necessities for provincial forecasts of the movements of population will be beneficial to the decision-makers and local initiatives that are currently inconvenienced by the lack of local data for development plans. This comprehensive study will produce first provincial trial-projections with different software from FIVFIV, and with a new database.

In the 1st chapter of this study, the aim is to make an introduction to the issue of population projections and to emphasize its importance for the world and for Turkey. The objectives and rational of this study are also presented in the first chapter.

In the 2nd chapter, it is the framework of the study and conceptualization of population projections will be presented. Population projections and the population projection methods are briefly defined. Software that are used for projections in the world are also presented. The importance of and the components of the demographic transition theory and its link with population projections method are given.

The history of population studies in the world and in Turkey, place of population projections in a changing Turkey which is parallel to the changing world are mentioned in the 3rd chapter. Brief descriptions about the studies that regard population and household projections are proposed.

In Chapter 4, the theoretical framework of the study is presented with the aim to elucidate the importance of population projections for Turkey. Data source, calculations, assumptions, applications, analyses, forecasting stages of projection-making processes and limitations are explained briefly in this chapter. Variables of the study and details about the software that will be used are also defined.

In the Chapter 5, where the data displayed, analyzed and commented upon, including provincial, regional and national-level findings, are presented and discussed.

6th chapter is the last part of the study where results of analyses are evaluated. The contributions of the study are explained. In the final section, future perspectives and concluding comments are presented in the study.

CHAPTER 2

DEFINITION AND DEVELOPMENT OF POPULATION PROJECTIONS

Demographic information and viewing the structure of population is very important for decision-makers on production of goods, services and energy in the public and private sectors. In many businesses, the sales capacity in the market is highly correlated with the population size. Sales can be sensitive to changes in the age and sex composition of the target population. Demographic information can be important to firms in regard to their labour force.

Designing and using process of projection models are a part, a very integral part, of the supporting activities in planning for development in a country. For preparing the best possible forecasts; the tasks of planners, politicians, public-health experts, market-researchers, city-planners must combine the most reliable information about the past with the most appropriate assumptions about the future. Because, information of past is used for making projections and forecasting the future.

The “*projection*” term shouldn’t be confused with the different terms, especially “*forecast*” and “*estimation*”. In the field of demography, there is a history of contention between the uses of these terms.

- *Projection*: A projection is conditional by definition. It includes the calculations that are regarding future population size and demographic structure showing “*what would happen if*” with the certain assumptions of fertility, mortality, and migration. In making a projection process, a set of assumptions is constructed

and one or more results are calculated. Projections are numerical outcomes of assumptions about the future which are based on past trends. Different types of projections are made conditional on the assumptions made.

Forecast: It is typically taken as a factual, unconditional statement. A forecast is associated with predictions that are most likely to happen and can be thought as the most likely projection. A forecasting process is similar with the projections. But the most likely set of assumptions and the most likely outcome are chosen by the analyst. Forecasts, which are based on explicitly stated assumptions, are the most likely scenarios of the future. Even when population figures are transmitted as projections, they are frequently often interpreted and utilized as forecasts. In summary, all forecasts are projections but not all projections are forecasts.

- *Estimate:* This term is reserved for past and the current populations. Estimates are indirect measures of past or present conditions which can be also directly measured. Less developed countries usually are not equipped to make current population estimates, let alone projections (Shyrock and Siegel 1973:771).

Information about population can be obtained in several ways:

- *Interpolation:* It is *inter-censal estimation* between two censuses. It relates to a date intermediate to two censuses and take the results of these censuses into account,

- *Extrapolation:* It is *post-censal estimation*. It relates to a past or current date following a census and takes that census and possibly earlier censuses into account, but not later censuses.

- *Projection*: It is conditional *estimates* of population at future dates (Davis 1995). Projections include many considerations not encountered in making *estimates* (Siegel and Swanson 2004:523).

Basic rules of forecasting can be summarized by three ways:

- “*All projections are wrong*”: All of the demographic predictions have been falsified by events.
- “*Some projections are more wrong than the others*”: The deviation degrees of the projections from reality and the other projections are the functions of the time horizon of the projections, the availability, reliability and accuracy of projection input data, the assumptions, and the comprehensiveness of the projection model employed.
- “*A projection is never wrong*”: Assumptions turn out to be wrong, provided that the demographic input data are correct.

Unit of analyses for projections can be in two categories:

- Population Projections
- Household Projections

Only population projections will be generated in this thesis. This study is concerned with projections of the total population of Turkey, its regions and provinces. This study is also concerned with age and sex distribution of the relevant areas in rural and rural distinction.

Current estimates use actual post-censal data of recent past such as vital statistics, tabulations that are provided from population registers. They can be also provided from the statistics that are just correlated with the population change. The estimates are generated in short range, in the case of insufficient data. Projections and forecasts can be also influenced by exogenous factors that are causative to deal with uncertainty. These factors can be seen as wars, depression, natural and human-made disasters, changes in the lifestyles, famines, epidemics, political and economical changes, mass migration etc. These possibilities are all unpredictable, so projections make no attempt to speculate upon them. (Shyrock and Siegel 1973:771)

Population projections and their implications are used for forecasting the future and have great importance for countries that adopt and aim to achieve sustainable development. They are key components of policy planning in areas as diverse as pension reforms, school reforms, regional planning, or macroeconomic modeling. The necessity of population projections is unavoidable for evaluation of natural resources, current production factors, optimization of source consumption, planned development and social welfare. Population projections are necessary for deciding and designing the future planning at all levels of government and all levels of geography on educational issues, health, labor force, transportation, intercommunication, agricultural production, infrastructure and environment. Determination of the number of deputies, industrial food production, energy production, fabrication, retirements, pensions, social security, mass transportation, recreation areas can be given as other examples.

The less developed countries of the world need concrete, inclusive, plans for attainments of the specific goals of their public policies correlated with speeding up their economic and social development. Studies on the relevant aspects of the population and economy together at the present time and in the recent past constitute the first step in planning (Shyrock and Siegel 1973:771). Projections are also important in demographic analysis and related types of the scientific studies.

Population projections, which have administrative and planning goals, are produced for the period of the last census and the future ones. Furthermore, population projections are calculated under the future assumptions by taking past and present demographic structure into account.

Governments use population figures to express a range of statistics (school enrollments, violent crimes, traffic fatalities etc.) on a per capita basis. Demographic information is also critical to public sector planning (delivery of public services).

It has also important effect on development in order to meet the requirement of consumer. Thus, population projections are vital data that are used to illustrate future needs and demands of the country. In other words, projections are indispensable component in decision making and generation of policies according to and for use in various sectors. Planners and decision-makers need projections of specific population subgroups to:

- Plan the future of educational issues and health infrastructure.
- Design policies and evaluate their impact on the supply and demand for particular labour force categories,
- Monitor and influence the distribution of the population

Population projections may be generated for the total population of nations, geographical subdivisions, specific localities and also for residence classes such as rural and urban population. Population projections may also be made for different social and economic subgroups of the population or demographic aggregates.

At the national level, governments need projections for making estimations of future income, expenditure and the level of demand for education, health, energy, food and housing services (Groenewold and Navaneetham 1998:8).

At the regional level, projections are needed for planning of housing, transportation and other services by estimating the differential growth paths of allocation units, changes in size and direction of migration, natural increase etc (Groenewold and Navaneetham 1998:8).

At the local level, planners need to estimate the demand toward the future for social security benefits, public ministration, educational services, recreational services, housing and infrastructure planning of the civic units (Groenewold and Navaneetham 1998:8).

Projections may be extended for varying numbers of years into the future depending upon the type of area, the needs to be served, the conception of the problem, the availability of resources and sufficiency of the demographic data. Generally, there are three types of length for population projection periods:

- *Short-range Projections*: Under 10 years.
- *Middle-range Projections*: 10 to 25 years.
- *Long-range Projections*: Over 25 years.

Middle range population projections will be generated at national, regional and local levels for Turkey, in this study.

2.1. POPULATION PROJECTION METHODS

Population projections vary enormously in complexity. They may comprise little more than extending a line of graph that shows changes of the total population over time. On the other hand, they may consist of a complex computer software which projects the population by age, sex, marital status and perhaps other

characteristics using varying assumptions for different periods about the future courses of mortality, fertility, migration, marriage, etc.

Population projections may also be used for past times periods. Such pre-censal estimates are backward projections that include the same techniques of forward projections. (Shyrock and Siegel 1973:771)

Population projection methods are separated into various ways. Basic methods are:

- Mathematical Methods
- Component Methods

Mathematical Methods (formula methods) uses basic mathematical formulas and estimates only the total size of population.

Component Methods require and forecast demographic components which are fertility, mortality and net migration rates; and age-sex distribution of them in some cases.

The choice of methods is primarily affected by the data available. In actual application, methods in the categories are not always mutually exclusive (Siegel and Swanson 2004:562).

2.1.1. Mathematical Methods

Population change is measured by the difference between the sizes of the population at different dates. This difference is usually spoken as population “growth,” when actually increase or decrease is possible. In most of the most reports,

increases are usually presented without any plus sign, while decreases are presented with a minus sign.

Mathematical methods are based on continuation of the observed historical trends. These methods use only the total population figures and population change sizes from the past. Simple mathematical equations are employed to describe the characteristic of future population change in an area. These are “curve fitting” techniques in which the total population data from the past years are plotted, a best-fitting curve is chosen, and the chosen curve is extended to project for future values. They can be easily calculated, because they do not distinguish the demographic components. So, they are rather restricted in their application. The techniques are similar to those used in making inter-censal estimates and projections by purely mathematical means.

The most important and difficult part of the process, especially for fast growing areas, is selection of the years for past population values that help provide a best-fitted curve that projects future conditions. When using this method, the data that is more recent is likely to be reliable.

In measuring process of population change by mathematical methods, the elements that are entered into measurement should be comparable over time. The geographic area which the population refers to should be constant, the definition of the population should be the same, and the completeness of coverage should not vary. This is the inviolable rule. (Siegel and Swanson 2004:253).

Some important and detailed information is not provided by the mathematical methods. A single, aggregated population figure cannot provide insight into the age and sex structure of the projected population. There is not sufficient information about elderly people, number of children, different mortality patterns of the male and female population etc.

2.1.1.1. Types of the Mathematical Methods

The most frequently used mathematical methods are separated into two groups and several ways.

Methods that are based on two or more censuses and made by simple extrapolation:

- Arithmetical (Linear) Growth Method
- Geometrical (Logarithmic) Growth Method
- Exponential Growth Method

Methods that are based on three or more censuses and made by complex extrapolation:

- Parabolic (Polynomial) Growth Method
- Logistic Growth Method

These methods can describe the pattern of past population growth by application of a mathematical function, and can be used to describe how the population changed over time in the past. They can be also used to identify how the population might change over time in the future.

However, although many mathematical functions that can be chosen, there are only a few which can be commonly employed in demography.

Furthermore, *ratio techniques* are generally used for small and large areas. All of these methods and techniques will be described below.

2.1.1.1.1. Arithmetical (Linear) Growth Method

A trend of relatively constant positive or negative change is described by the linear function. Calculating the average amount of change during a year or other interval of time is fairly forthright. It is provided by dividing the total change by the number of years or other unit of time. This method is used for the assumption of demographic conditions that cause populations to increase or decrease in an arithmetic progression and size of the population growth is constant (Soylu 2004:20). It is used to project the population into the future for short periods of time. The general equation is:

$$y = a + b * x$$

y = height of the line from zero

x = the horizontal distance of the line from zero

a = the height of the line when x equals zero,

b = the slope of the line, which indicates the amount of change in y for a unit change in x .

That formula may be expressed in the equation below, in the case of population change during a single period:

$$\begin{aligned} P_{t+n} &= P_t * (1 + r * n) \\ &= P_t + P_t (r * n) \end{aligned}$$

t = initial time period

P_t = population in initial time period t

P_{t+n} = population at the end of the period (n years later)

r = growth rate (the annual amount of population change)

n = time in years (number of years projecting to).

This is function is suitable for small communities that have slow growing population. Little error level can be introduced by assuming that the population is changing in a linear fashion when the time period between population enumerations is short or the change relatively small. (Siegel and Swanson 2004:257)

For the calculation process of population growth rate value r , the basic formula is used again:

$$b = \frac{P_{t+n} - P_t}{n}$$

Arithmetic approximation of the average rate is given as:

$$r = \frac{b}{1/2 (P_t + P_{t+n})} * 100$$

Figure 2.1.1.1.1 Demonstration of the linear method

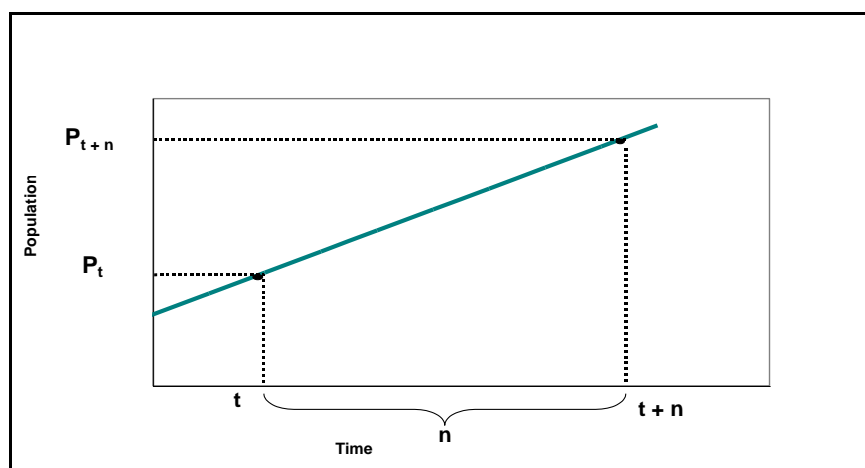
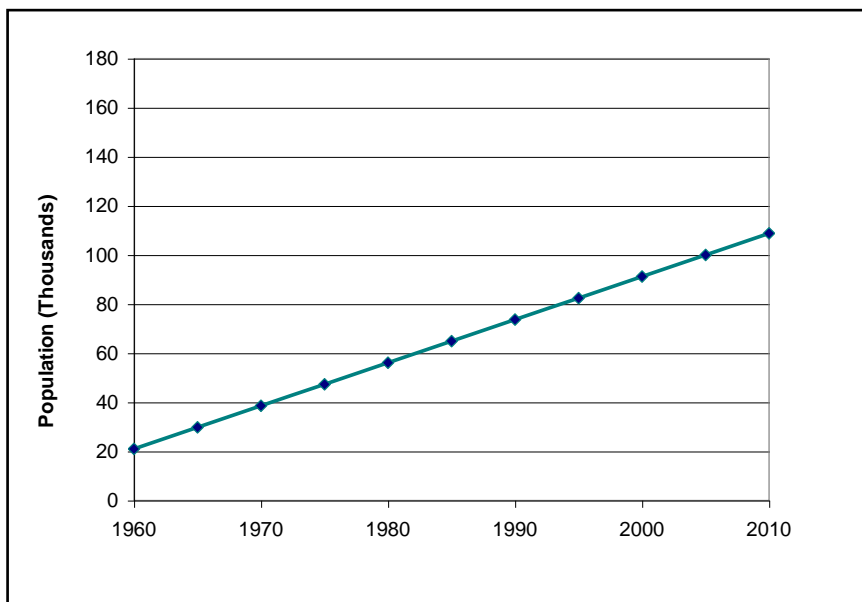


Figure 2.1.1.1.2 An example graph of the linear growth method



If the values of the y (dependent variable) vary linearly with the values of the x (independent variable), the relationship between the two variables may be expressed mathematically:

$$Y = a + b * x$$

This formula represents the *linear regression* model.

2.1.1.1.2. Geometrical (Logarithmic) Growth Method

Geometrical model means a constant percentage value of growth. A geometric series is a series that the population increases or decreases in at the same rate during each unit of time period. This unit is usually one year. This model is used for short period projections. It is also known as “Malthus’s Population Growth Law”.

$$P_{t+n} = P_t * (1+r)^n$$

P_t = population in initial time period t

t = initial time period

P_{t+n} = population at the end of the period (n years later)

r = growth rate (the annual amount of population change)

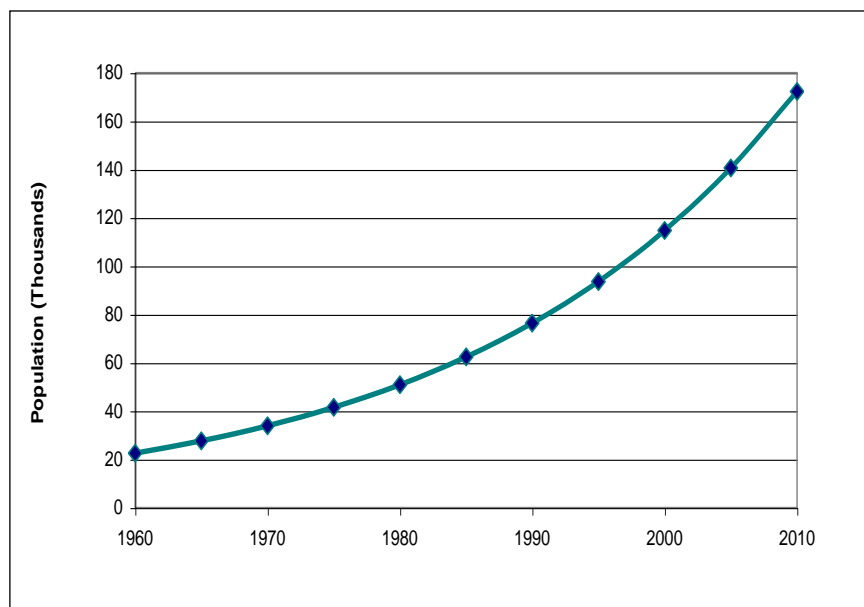
n = time in years (number of years projecting to).

The formula for calculating r is:

$$1 + r = \sqrt[n]{\frac{P_{t+n}}{P_t}}$$

$$\ln(1 + r) = \frac{\ln\left(\frac{P_{t+n}}{P_t}\right)}{n}$$

Figure 2.1.1.1.2.1 An example graph of the geometrical growth method



2.1.1.1.3. Exponential Growth Method

Exponential growth method is used for short period projections. It is based on the assumption that the growth rate is increasing with a constant rate in itself (Soylu 2004:22). Geometric change is a type of change in which the compounding takes place at specified constant intervals, such as a year, like compound interest. However, the annual compounding is arbitrary. (Siegel and Swanson 2004:258)

In an exponential series, the compounding takes place continuously, semiannually or monthly etc. A constant rate of change is applied at every infinitesimal unit of time. The basic exponential function is:

$$Y = a * b^x$$

This basic formula can be converted into a natural exponential population growth formula:

$$P_{t+n} = P_t (e)^{rn}$$

P_t = population in initial time period t

t = initial time period

P_{t+n} = population at the end of the period (n years later)

r = growth rate (the annual amount of population change)

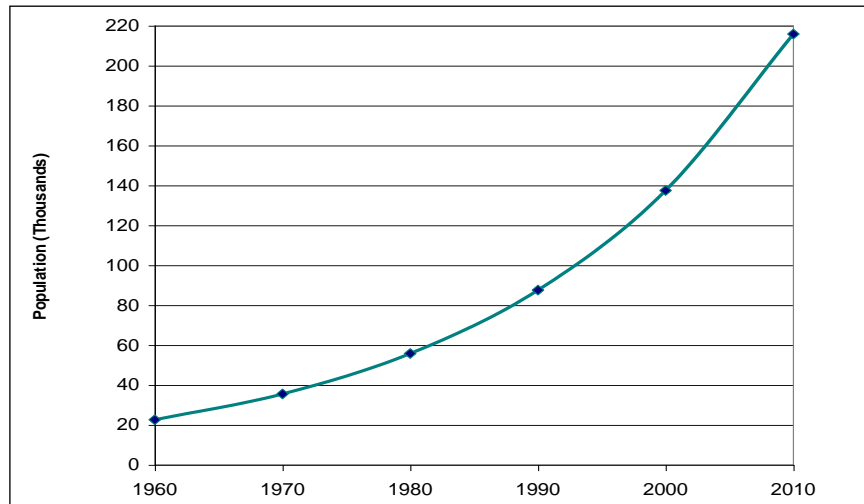
n = time in years (number of years projecting to).

e = natural exponent (2,7128)

The formula for calculating r is:

$$r = \frac{\ln\left(\frac{P_{t+n}}{P_t}\right)}{n}$$

Figure 2.1.1.3.1 An example graph of the exponential growth method



2.1.1.1.4. Parabolic (Polynomial) Growth Method

Polynomial models are usually used for projections in which change is not constrained to be linear (Siegel and Swanson 2004:567).

The function of parabolic growth method is as in the formulas below:

$$y = a_0 + a_1 * x + a_2 * x^2$$

(Quadratic Function)

$$y = a_0 + a_1 * x + a_2 * x^2 + a_3 * x^3$$

(Cubic Function)

Function for an nth degree polynomial is:

$$y = a_0 + a_1 * x + a_2 * x^2 + \dots a_n * x^n$$

2.1.1.1.5. Logistic Growth Method

The logistic growth method has more complexity about the calculation processes and requires much more numbers of observations. The curve of this function looks like “S”. There are three phases of growth: an initial period of slow growth rates, a period of rapid growth rates, and finally saturation that is a period of declining growth rates which approach to zero as a population approaches a limit. An upper limit case is exposure. This model has a finite upper limit due to the steadily decreasing rates of growth.

Logistic curve is one of the best-known growth curves in demography. This model is consistent with Malthusian and other theories of constrained population growth (Siegel and Swanson 2004:568). It was first derived by Verhulst around 1838 but was rediscovered and popularized by Pearl and Reed around 1920 (Siegel and Swanson 2004:260).

Some bacterial cultures and animal species that have small initial numbers; have been observed in a period of rapid growth at first when they were placed in a limited environment with appropriate conditions of food supply and space. Then, a slower growth has been observed as the population experiences an influential scarcity of resources. It means, there may be upper limits about the numbers that can be subsisted on, by natural means the population remain to stay the growth. Asymptotic growth curves may be fit to these kinds of observed data. (Siegel and Swanson 2004:260)

The equation of this curve is:

$$Y_c = \frac{k}{1 + e^{a+bx}}$$

Y_c = it represents the computed value of Y , it is the population.

x = time period.

k = the carrying capacity of a region, measured as the maximum number of persons that can be supported per unit of area. It means the upper asymptote.

b = it is the parameter that defines the shape of the logistic curve.

This basic formula can be converted into a natural logistic population growth formula:

$$P_{t+n} = P_t * \frac{e^{rn}}{1 + e^{rn}}$$

P_t = population in initial time period t

t = initial time period

r = growth rate (the annual amount of population change)

n = time in years (number of years projecting to).

e = natural exponent (2,7128)

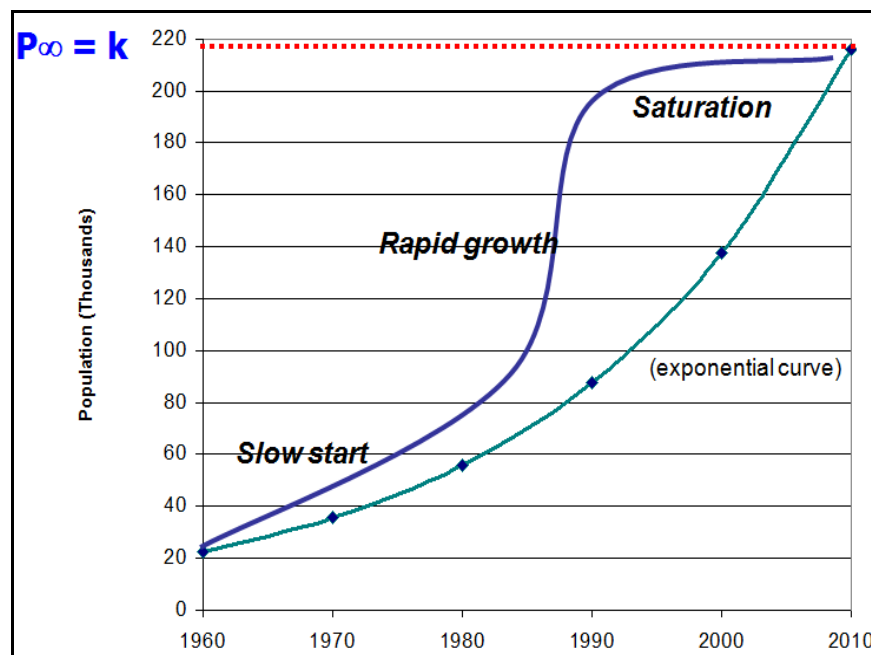
The logistic growth method is used for projecting population by describing its past course, like the other methods. It is sometimes criticized as being too mechanistic in its assumptions, because it doesn't allow controlling fertility or for migration etc. The logistic model cannot describe a population that is decreasing. (Siegel and Swanson 2004:260)

This model is quite mechanistic and it may be advisable not to apply it to very long periods (Shyrock and Siegel 1973:777). It is not used to project a population which is decreasing.

The logistic curve has a pattern that is consistent the demographic transition theory¹ (Groenewold and Navaneetham 1998:36). Slow start of the population growth is the first stage, rapid growth is the second and the saturation, which is the diminishing process of the growth rate, is the third stage of the theory.

While the third stage, the shape of population growth path turns convex from its concave shape and eventually the population size becomes constant or stationary (Groenewold and Navaneetham 1998:36).

Figure 2.1.1.1.5.1 An example graph of the logistic growth method



2.1.1.2. Ratio (Share) Techniques

Ratio techniques may be used where an area containing the population to be projected is part of a larger “parent” area for which projections are available (Siegel and Swanson 2004:570).

¹ The framework of this theory will be defined in the next steps of this chapter.

These techniques are sometimes called “ratio extrapolation methods” and can be also treated as a “complex extrapolation method” like polynomial or logistic growth methods. These methods can be described in two subtitles:

- Step-Down
- Step-Up

Step-down method is used for calculations from larger areas to the smaller ones. The method starts with the fixed relationship between large place and small place. Population projection for large place is obtained first. A ratio (or multiplier) percent value is applied to “step-down” projection to the smaller place.

This method is usually used by TurkStat for estimation process of provinces and regions by using the total population size of the projected national population. It will not be used in this study, all provinces and regions will be projected independently.

Step-up method is used for calculations from smaller areas to the larger ones. The method starts with the fixed relationship between large place and small place. Population projection for small place is obtained first. A ratio (or multiplier) percent value is applied to “step-up” projection to the larger place. This method is used for the issues like school enrollments, unemployment compensation, dwelling units by town, water meters, electricity meters, telephones, vehicle registration, driver’s license etc.

Ratio technique has some strengths and weaknesses. The strengths are its theoretical basis and ease of use. The weaknesses are its lower sensitivity to the population composition and its lower reliability.

Ratio techniques are usually used for regional and provincial projections that are based on mathematical or component national population projections for Turkey, by TurkStat.

2.1.1.3. Strengths and Limitations of Mathematical Methods

Mathematical methods include strengths and also limitations. Strengths of the methods can be briefly defined as:

- These methods are so easy to calculate and use. They have few data requirements, with the exception of the polynomial model.
- They are very useful when data series are incomplete, time and budgets are limited, and detailed information on the characteristics of the population is not needed.
- They are usually useful for population projections of small areas, which have less information about the demographic components (fertility, mortality, migration) and have difficulties in making assumptions.
- No software are needed for the calculation process. Only mathematical operations are made.

Limitations of the mathematical methods can be summarized as:

- These methods do not provide great deal of important information. Differences in demographic composition or differences in the components of growth are not accounted for.
- There is no insight into the age and sex breakdown of the projected population. Too little or no information on the projected demographic characteristics of the population are provided.

- Information about elderly people, number of children, number of young people that are more likely to have children etc. is not provided by these methods.
- Precise and detailed information about a current and future population cannot be obtained from projections that are made by these methods.
- Age and sex details are not included by these methods, in spite of the fact that males and females experience different mortality rates and only a specific group of females are at risk of having children.
- Life conditions of human are complex. These methods may not correctly measure and show the demographic movements. They may generate inaccurate results. Because there is no theoretical content, and these methods cannot be related to theories of population growth, except the logistic model, which is consistent with a Malthusian view of population dynamics (Siegel and Swanson 2004:571).

2.1.2. Component Methods

The component method is a widely used method in population projections. It is based on the basic demographic equation. But it also has potential to become very complex, where the equation is applied the component parts of the population, not only to the whole. The component methods involve separate projections of *mortality*, *fertility* and *migration*.

Component methods are separated into two ways:

- Aggregate Methods
- Cohort-Component Methods

2.1.2.1. Aggregate Method

The overall growth or decline of a population is determined by its *mortality*, *fertility* and *migration* (migration is constituted of *emigration* and *immigration*). This is formalized in what is commonly known as the *Population Balancing Equation* (*Basic Demographic Equation*):

$$P_{t+n} - P_t = (B - D) + (IM - OM)$$

P_t = population in initial time period t

P_{t+n} = population at the end of the time period

B = number of births during the time period

D = number of deaths during the time period

IM = number of in-migrants during the time period

OM = number of out-migrants during the time period.

t = initial time period

n = time in years (number of years projecting to).

$B - D$ = the difference between the number of births and the number of deaths. This algebraic excess is called *natural increase*. However it is also called *natural decrease*, if the result is negative.

$IM - OM$ = the difference between the number of in-migrants and the number of out-migrants. This algebraic excess is called *net migration*. However it is also called either *net emigration* or *net immigration*. It influences the population growth either positively or negatively. (The terms *in-migration* and *out-migration* are used, if there is only internal migration fluctuations in the relevant area.)

This formula can be used to estimate the population in year “t+n” in the subsistence of population count in “t” year and good quality data on births, deaths and migration. This is *population estimation*.

Migration estimation can be also calculated as a residual from the total population change. It can be used when there are good data from two consecutive censuses and good data on births and deaths, but no migration data.

2.1.2.2. Cohort-Component Method

Cohort: A group, which includes the people who experience the same demographic events during a specific time period. It consists of a group of individuals who experienced the same significant demographic event during a particular period of time and who may be identified as a group at successive later dates on the basis of this common demographic experience (Shryock and Siegel 1973: 712).

Component: This demographic concept includes the three processes that are resulting in population change. They are births, deaths and migration. The components are independent processes which are changed by different amounts at progressive changing times and affect diverse parts of the population in different ways.

The component method can be customized to estimate the components of the population. The customized component method is used for estimating age and sex. It is known as the “*cohort-component method*”. Estimating equation of the cohort-component method is similar to the component method. But the component equation must be evaluated for all age groups and the birth component. (Siegel and Swanson 2004:529)

This method was firstly suggested by English economist Cannan (1985), subsequently used by Bowley (1924), re-introduced by Whelpton (1936) and formulated by Leslie (1945); and can provide in-depth knowledge on population dynamics. Adequate statistics on age-sex distribution of the population and age-sex specific mortality and fertility are needed for this type projection (Siegel and Swanson 2004:571)

The cohort-component method has been developed to meet the demand for more information and more detailed projections. The figures of total population are separated into age/sex cohorts that are moved forward in time using the probability of survival as estimated in the life tables. The components of population change that are births, deaths, and migration are considered, separately projected, and then all of them are combined together by using the population balancing equation. Their past cases are applied to the current age/sex cohorts.

The characteristics of age and sex occupy a very important place in demographic studies. Separated data for males, females and ages are important for the evaluation of the completeness and accuracy of the census counts of population. Many types of planning, both public and private, require separate population data for males and females and for age groups. Age is the most important variable in measuring potential school population, the voting population and potential manpower. Age data are required for preparing current population estimates and projections. They are required for projections of households, school enrollment, labor force, schools, teachers, health services, food, and housing. Social scientists have a special interest in the age and sex structure of the population, because the social relationships within a community are considerably affected by the relative numbers of males, females and the relative numbers at each age (Siegel and Swanson 2004). The social and economic characteristics vary greatly with age. Age composition also varies in time and places. Populations cannot be properly compared with consideration to the social characteristics unless age has been “controlled” (Siegel and Swanson 2004).

This method is preferred by national and international statistical organizations like the United Nations, the World Bank and the US Census Bureau etc. However despite the existence of a great diversity of approaches for sub-national projections, the cohort component method remains predominant.

The cohort component population projection method is the most widely used method for projecting populations. It is also used in preparation process of population estimates by age and sex. The method that is generally used in population projections begins with an initial population and moves forward in time. This movement is implemented by usage of age-specific birth and death rates, and where relevant, age-specific migration and educational transition rates.

Studies for making population projections due to the demographic components are separated in two groups (Kocaman 2002:9):

- Preparation process
- Making assumptions

In the preparation process, base data of assumptions are checked and observed, trends about the demographic variables fixed according to the overview of situation. Further, the data that is determined to include errors is corrected by indirect methods.

Assumptions are made alternatively due to the demographic situation of the area which will be used in the projection by its population size and demographic components, population policies which will be applied, historical trend analysis of the area and similar area in the world. Expert opinion and calculation of future trends are so important in this process.

Fertility is estimated by using age-specific fertility rates (ASFR) which are projected into the future. These rates are based on assumptions that are generally made by extrapolation from historical trends. Only a specific group of population, 15-49 age group females, can experience childbearing. ASFR specify the future trends of fertility and, constitute the total fertility rate (TFR).

Mortality rates are calculated furthermore for all of the age/sex cohorts. Survival rates, which are the outcomes of mortality rates, are used extensively in demographic projection techniques. These rates are used to calculate the number of people that will be alive in the future and provide the likelihood that a person will survive in a given time period. Survival rates are usually acquired from national or regional statistics offices and life tables, or can be calculated from model life tables or census data. Mortality rates and survival rates are usually calculated for five year age/sex cohorts in the cohort component method.

Migration is the third factor that affects the population size. It is projected by using migration rates to the appropriate population at risk. These migration rates can be occurred in two directions:

- In-migration: Movements into the local area by persons
- Out-migration: Movements out of the local area by persons

Determination of migration and the people who are at risk for migration is very difficult. It is the emotional side and the most difficultly measured component of demographic events. It directly affects the population sizes and structures.

Most of the applications of cohort-component method use 5-year age cohorts that are starting with ages 0-4 and ending with ages 75+ or 85+. 5-year age groups satisfy the need for detail by age in the model. This grouping approach works well with the migration data from the censuses. Single-year models require allowing

much more time and cost to implement. In this method, age groups are almost always separated into two: males and females. They are only sometimes stratified by race and ethnicity. Further elaborations beyond age and sex requires more time and cost. Female population is first projected, because these projections are needed for projecting births. Procedures of the method are the same for every demographic subgroup.

The population projections that are generated by the cohort component method start with the initial year population in the detail of age-sex distribution. The generation process of a population projection is constituted in several steps:

- Determining the number of persons who survive to the end of the projection interval by applying age-sex specific survival rates to the launch year population. Life tables could be used for these calculations.
- Projecting the number of migrants during the time interval of the projection, by using projected age/sex specific migration rates applied to the initial population.
- Projecting the number of births during the time interval of the projection that will still be alive at the end of the interval. Total births are separated into males and females, by using the assumptions of sex ratio at birth values. ASFR values are applied to the female population in each cohort, considering female mortality and migration. Infant and child survival rates are applied to the youngest age groups (0-1 and 0-4) of the projected population.
- Adding the youngest age group to the other age groups to project the total population by age-sex distribution, up to the target year. Then, this target year population is served as the initial population for the next projection horizon. This addition process is repeated until the last target year is reached.

The basic equations represent estimates for single years of age over a 1-year period. For the population under 1:

$$P_0^{t+1} = B - D_{-1} + I_{-1} - E_{-1}$$

For the population aged 1 and higher:

$$P_{a+1}^{t+1} = P_a^t - D_a + I_a - E_a$$

P = the estimated population

B = number of births during the time period

D = number of deaths during the time period

I = number of immigrants during the time period

E = number of emigrants during the time period

t = initial time period

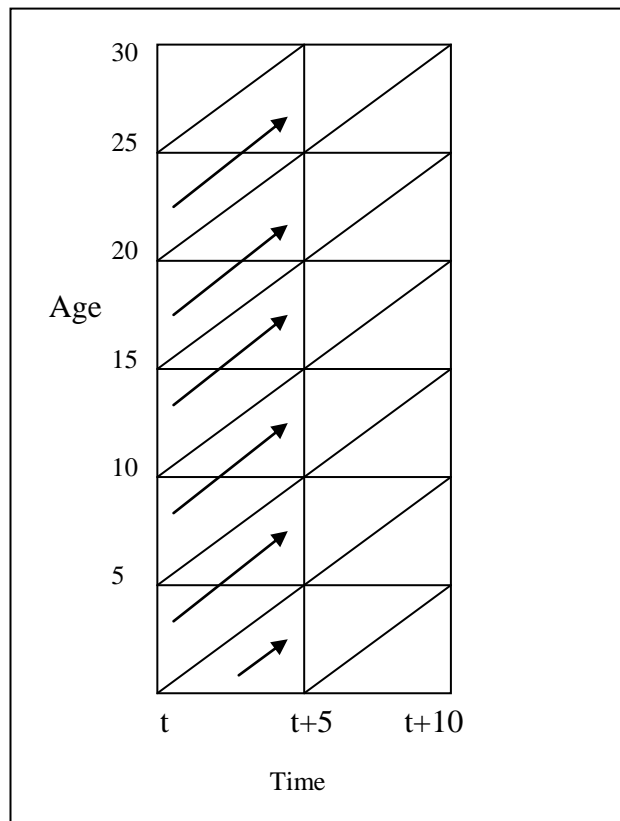
n = time in years (number of years projecting to).

0 = number of infants

a = age of the event as of July 1.

Cohort-component method can be explained better by Lexis Diagram that includes “age” as the vertical axis and “time” as the horizontal axis. Birth cohorts are represented by diagonal arrows from the lower left to the upper right (Soylu 2004:28).

Figure 2.1.2.2.1 Lexis Diagram illustrating the cohort component projection methodology



2.1.2.2.1. Strengths and Limitations of Cohort Component Method

Cohort component method includes strengths and also limitations. Strengths of the method can be briefly defined as:

- It is a supportive projection tool for the demographers to forecast the future.
- It is the most widely used technique for projecting populations
- It is used for acquiring detailed information about the demographic composition and components of population change. It is the biggest advantage of the

method. Because it takes into account the changes in different components of population: births, deaths and migration.

- It includes and provides disaggregated inputs and outputs as population figures by age and sex.
- It can include different types of data, approaches and assumptions for the future figures of population.
- Complex calculations can be easily produced by updated software.
- It looks at components of population change and uses disaggregated approach (death rates for population over 45, fertility rates for population under 5, school enrollment data for population 5-17 etc.).

Limitations of the cohort component method can be summarized as:

- It requires large numbers of computations and highly detailed data.
- Building any model is not difficult, but input checking and rationalization processes require effort and time. (Age distribution smoothing, distribution of unknown age people, assumptions of survival and fertility rates etc.)
- The method cannot be a guide for the more reasonable choices of the assumptions.
- It is a complex method and mistakes can more easily be made.
- It relies only on demographic factors and the types of questions it is capable of answering are limited.

Cohort component method will be used in this thesis.

2.1.3. Alternative Projection Methods

Alternative methods are separated into four ways:

- Time Series
- Micro Simulations
- Structural Models
- Multi Cases Cohort Component Methods

2.1.3.1 Time Series

These techniques can be also treated as a “complex extrapolation method” like polynomial or logistic growth methods. They are useful for short range estimations (Soylu 2004:29). ARIMA (Autoregressive Integrated Moving Average) models have usually been used in the analysis and projection of populations as a whole and of their demographic attributes (Alho and Spencer 1997; Carter and Lee 1986; de Beer 1993; Lee 1993; Pflaumer 1992).

The procedures used in ARIMA models are complicated and difficult to implement; so it is suggested to consult standard texts before attempting to apply this method (Box and Jenkins 1976; Hanke et al. 2001; Yaffee 2000).

ARIMA models are used to uncover the stochastic mechanisms that generate historical data series and use this information for making projections (Siegel and Swanson 2004: 568)

These mechanisms can be described by three processes:

- Autoregressive,
- Differencing,

- Moving average.

The autoregressive process is based on the correlation of each value of a variable with its all preceding values that the impact of earlier values is assumed to diminish exponentially over time (Siegel and Swanson 2004: 569)

The differencing process is used to create a stationary time series; because a stationary time series is very important to construct a given ARIMA model. A non-stationary time series can usually be converted into a stationary time series by calculating differences between values. Logarithmic and square-root transformations can also be used in this conversion process (Siegel and Swanson 2004: 569)

The moving average is used to represent the events that have a considerable but ephemeral impact on a time series pattern. The ARIMA method is usually written as ARIMA (p, d, q), where p is the order of the auto-regression, d is the degree of differencing, and q is the order of the moving average that defines the number of time periods affected by a given event. (Siegel and Swanson 2004: 569)

ARIMA can be used to place probabilistic confidence intervals around their forecasts, like the other complex extrapolation techniques.

2.1.3.2. Micro Simulations

Cohort-component methods deal with the population as a homogeneous group. Conversely, micro simulations are based on all individuals as independent. They use sample bodies, instead of the total population and vital events of every individual (marriage, divorcement, fertility, mortality, migration etc.) are simulated by these techniques. After that, the results are scaled to the total population sizes.

The most important disadvantage is difficulty of providing convenient data for these methods. The basic advantage is having a good performance (Soylu 2004:30; www.demographic-research.org)

2.1.3.3. Structural Models

Structural models rely on observed relationships between demographic components and some other variables due to the questions that are faced by demographers and cannot be answered by examining only demographic factors. These variables can be about factors such as the economy, housing, land uses, employment, ecologic indicators, transportation systems etc. These type models are usually based on population changes on projected changes in those other variables. The relationships in structural models are typically developed using regression analysis and variants thereof. (Siegel and Swanson 2004: 562 and 583)

Two general categories of structural models are can be described as:

- *Economic-demographic models*: They are generally used to project the population and the economic activities for large geographic areas such as counties, labor market areas, states, and nations.
- *Urban system models*: These models are usually focused on small geographic areas such as census tracts and blocks. They include projection of population, economic activities, land use and transportation patterns.

Economic-demographic models usually focus on the total population, but mostly they deal with the components of population change (Siegel and Swanson 2004: 583).

Urban systems models, which differ from economic-demographic models, are used to project the distribution of residential and nonresidential activities within

urban and metropolitan areas of smaller areas. They use different independent variables.

These two types of models usually provide alternative explanations of the causes and consequences of population change sometimes by only a few equations and variables (Mills and Lubuele 1995), or huge systems of simultaneous equations with many variables and parameters (Data Resources Incorporated 1998; Waddell, 2000).

More resources, more comprehensive base data, complex statistical procedures and computer programs are required for structural models. The models are more difficult to implement.

2.1.3.4. Multi Cases Cohort Component Methods

The cohort component method considers two characteristics of population: age and sex. But in some cases, additional characteristics are of interest like education levels, urban/rural residence, family type of individuals etc. Considering these components could potentially improve the accuracy of projections of population totals and age structure thereof (O'Neill et al.¹ 2001:215).

Projections that consider additional characteristics of a population are called *multistate projections*. Educational levels usually have been taken into account in some multistate projections, because these levels generally have strong correlation with demographic rates.

¹ www.demographic-research.org/Volumes/Vol14/8/

Currently, none of the institutions considered here employ multistate methodology in generating long-term global population projections (O'Neill et al. 2001:216).

2.1.4. Uncertainty of Population Projections

Characterization of the uncertainty in connection with a population projection is very important to assuring that it is used properly. Many studies rely on a projection assumed to be the “most likely” outcome. Thus, there is a wide agreement that it is important to provide users with such a projection.

But there is no generally accepted approach to characterizing this uncertainty, and in some cases it is not done at all. Different approaches to characterizing uncertainty can be grouped into two main classes: scenarios and probabilistic projections.

2.1.4.1. Scenarios

Making more than one series of projections is a general way to guard against the uncertainties regarding the future population changes. The common way to forecast future population is based on the some assumptions of variants fertility and mortality: low, medium and high. The medium variant is usually the best "guess" of what will happen (Kocaman 2002; Shyrock and Siegel 1973).

The most commonly used approach is to provide alternative scenarios that suppose higher or lower vital rates than in the medium or central scenario. The high assumption may be constant fertility and mortality degrees, or all assumptions may include declines and variations may be related only to the rate of decline. Increases in these components are usually regarded as unlikely by most of the authorities.

The distribution of the low and high series around the medium series doesn't have to be symmetrical, but it may be more useful if this distribution is at least roughly symmetrical.

Terminology regarding alternative projections can be confusing. But "scenario" is usually used to define alternative projections for long-range projections. IIASA uses the term "scenario" that is defined as a consistent story in which fertility, mortality, and migration assumptions. These assumptions are used to present a wide view of the future. In many cases users may need alternatives to a single central scenario, but still require self-consistent, independent scenarios rather than confidence intervals around a most likely projection (O'Neill et al. 2002)¹.

Alternative forecasts can be used in making more comprehensive scenarios that may include some other components (economic growth, technological development etc.)

This approach also has some weaknesses. The most important is that if no specific level of uncertainty is associated with the alternatives, it is not possible for users to interpret the precise meaning of the ranges presented. The other problem is that the choice of certain values for some assumptions may mean that choices for others are plausible. The IIASA projections provide scenarios in which each vital rate is varied individually, but also provide scenarios in which fertility and mortality are varied jointly. (O'Neill et al. 2002)

According to the classical approach, the scenario approach may not accurately reflect relative uncertainties in different demographic dimensions.

¹ For the details, visit: http://sedac.ciesin.columbia.edu/tg/guide_glue.jsp?rd=pp&ds=5

2.1.4.2. Probabilistic Projection

In the view of the outside world, population projections are the most important result of the work of demographers (IIASA 2007). It is needed to make estimations that are statistically more reliable and consistent.

Probabilistic Population Projection Approach is built as EUROSTAT population projections.

Probabilistic projection approach is a strong alternative to scenarios as a means of communicating uncertainty. This approach openly defines the uncertainty in projected trends of fertility, mortality, and migration. Results of probability distributions for projected population size and age structure are derived by this approach. Probabilistic projection approach considers uncertainties in fertility, mortality and migration, and scales up from regions to the world in a statistically consistent manner.

The word "probabilistic" means that it tries to quantify the uncertainties involved in the population projections. When the rates at all time periods are given as distributions rather than as points, the projections become probabilistic. The outputs of probabilistic projections are distributions of variables at each date. The main characteristic property of this method is its statistical reliability and distribution of assumptions. All estimations are given with their statistical confidence intervals. For example, a probabilistic projection of the world's population in 2050 might say that it has an 80 percent probability of being between 8 and 10 billion people.

When considering macro-regions, and thus aggregating national-level projections, a weak point of this approach arises. The high or low scenarios are supposed to be simultaneously prevalent in all the countries, which is far from a

realistic picture where a combination of different scenarios is more likely to prevail across countries (Lutz and Scherbov 1998)¹.

Alternatively, or better complementarity, probabilistic projections have been used in order to give a statistically more consistent measure of uncertainty in population projections. As pointed out by Keyfitz in 1981 (p.579), the importance of population projections lies in the ability to provide a reasonable estimation of the error affecting these projections. (Mamolo and Scherbov 2006)

IIASA team has updated the world population projections and published the results in official website (Lutz, Sanderson² and Scherbov 2008).³

There are mainly three approaches to probabilistic projections that are proposed in the scientific literature:

- Expert Opinion
- Statistical Analysis (the time-series analysis of past-vital rates)
- Analysis of errors in past projections

A good overview of the current approaches is given by Bongaarts and Bulatao (2000). These three approaches are not mutually exclusive, but often complementary.

¹ Professor Wolfgang Lutz is the leader of IIASA's World Population Program. Dr.Sergei Scherbov is senior research scholar in IIASA's World Population Program.

² Professor Warren Sanderson is senior research scholar in IIASA's World Population Program.

³ For the details of these results, visit: IIASA World Population Program Online Data Base of Results 2008, <http://www.iiasa.ac.at/Research/POP/proj07/index.html?sb=5>

2.1.4.2.1. Expert Opinion

It is based on requesting from a group of experts who are in interaction each other and studies in different fields; to give a likely range for future vital rates. "Likely" is usually defined to be a confidence interval of approximately 90% (Lutz, 1996; Lutz et al., 1998).

Combination of subjective probability distributions from an experts group guards against individual bias. It may be possible to capture structural change and unexpected events that other approaches might miss. This is argued as the strength of this approach.

There are several obstacles to this approach. Deciding who an expert is and existence of the observed conservatism in the projection of future trends are some of these problems. There is a difficulty about answering whether the experts can decisively distinguish between different confidence levels they may place on estimates of future vital rates. It is also argued that the method excludes the possibility of fluctuations in vital rates that deviate from a general trend, which could underestimate uncertainty in outcomes. There is a fault finding issue that there are no scenarios in which fertility starts out high, but ends up low, nor any scenarios with baby booms or busts.

2.1.4.2.2. Statistical Methods

Statistical analysis of historical time series data is used to project population size directly. It is also used to generate probability distributions for population size or vital rates. Lee (1998) argues that, unlike the methods based only on expert opinion; these statistical methods are feasible to produce internally consistent probability distributions.

2.1.4.2.3. Historical Error Analysis

The analysis of errors in historical projections is used as a basis for generation of uncertain intervals around a projection produced by some other means. This method bases on the assumption that current projections are depending on the errors similar to the historical errors which made in the past. It is limited by the short record of past projections which is about 50 years.

The most important strength of this analysis is providing a probability distribution for a given projection which is consistent with the principal features of errors observed in the past.

IIASA produces probabilistic projections based on analysis of errors in previous UN projections.

2.1.4.2.4. Argument-Based Assumptions

Argument-based assumptions are used for probabilistic projections which is called expert argument-based probabilistic forecasting. It is an evaluation process of alternative ideas of experts about future role of fertility, migration rates and life expectancy in what is called subjective or judgmental probabilities.

This case is that the baseline there is an absence of any perfect objective model for the identification of future trends of the three classical determinants of population alternations. Instead, the purpose is to collect the best available information to make an informed judgment about the likely uncertainty distribution of certain future demographic trends, and goes a step further in the direction of making the expert-based assumption more objective.

In this study, only cohort-component method will be used for the all projections, because of the difficult application processes of probabilistic projection approach, inadequate literature infrastructure and basis on expert opinion.

2.1.5. Choosing a Population Projection Method

A number of choices are faced in selecting demographic inputs for the analyses, in generating process of projections. The considerations involved in such choices depend on the nature of the application. These considerations are many and varied, generally due to the necessities and existence of sufficient demographic data.

The choice of model variables and their relations are based on the historical, political and philosophical views on development, which are reflected in planning and projection models (Groenewold and Navaneetham 1998:4).

In this study, middle range population projections will be generated by cohort component method, by only one scenario those are based on some standard considerations about assumptions which include expert opinion at a low level. This approach will be used to make unbiased regional projections which are not independent from each other.

2.2. DATA SOURCES AND QUALITY OF POPULATION PROJECTIONS

Accurate and comprehensive data are required for generating useful projections. The basic data sources of the population projections are censuses, surveys and vital registration systems. Data of sample surveys are prevalently used. These sources can be national or international level.

Different sources that are used as basis for population projections and other related projections are social security records, school enrollment, employment files, voter registers, change-of-address records, property tax records etc.

In Turkey, there are no finely detailed registration systems about fertility, mortality and migration (Soylu 2004:15). Surveys and censuses are usually used for demographic studies and projections.

Demographic data sources usually can involve errors in different ways. Main error sources are:

- Coverage errors
- Age misreporting

In addition, fertility and mortality data can contain errors as incomplete data and inaccuracy. Direct and indirect methods are used to assess, predict and correct the mortality and fertility levels. The basic methods for data appraisal are:

- Checking the age ratio
- Checking the sex ratio
- Calculating Whipple Index
- Calculating Myers Index
- Calculating cohort survival rates
- Calculating UN Age-Sex Accuracy Index (Canpolat 2003)

Data adjustment also may be needed for age, fertility and mortality.

2.3. SOFTWARES FOR POPULATION PROJECTIONS

There is no need to know programming languages for making projections. In recent years as many software have been developed by national and international institutions that do not require knowledge of programming languages..

FIVFIV (Shorter, Hendek, Bayoumy 1995) software, which is named by an abbreviation of “five by five” year projections, is based on cohort component method. It has been used by TurkStat for many years and is the only package program which has Turkish language support and conversation. It is a DOS based program. Soylu (2004) made statistical comparison hypotheses of the FIVFIV package program with the other cohort component based software and evaluated the projection results by ANOVA (Analysis of Variance). No statistically significant differences were found in the projection results of the population with base year of 1983 and ending in 2018.

LIPRO (Lifestyle Projection) is developed by NIDI (Netherlands Interdisciplinary Demographic Institute) for household projections, and is usually used in Netherlands. It is DOS and also Windows (since 1999) based software (Soylu 2004:59).

PDE is a useful tool for multi-state population projections and developed by IIASA. The software is open to everyone at the official Web site: www.iasa.ac.at.

The UN uses several programs like ABACUS, PDPM/PC (Population and Development Projection Methods for Micro Computer) and PROJCT (Mortpak-Lite 3.0). (Soylu 2004)

The World Bank uses PROJ3S which is based on cohort component method like the most of the other softwares (Soylu 2004:63-64).

USCB (United States Census Bureau) uses RUP (Rural/Urban) for population projections (Soylu 2004:64).

DemProj is a module of “Spectrum System of Policy Model” It has been used by planners and researchers in many countries of the world. It can be accessed and downloaded from the Web site: www.tfgi.com/software/spec.htm.

PEOPLE software (Overseas Development Administration UK and Economic Planning Unit Malaysia, 1990) is used for national and sub-national for population projections, especially for the developing countries. In addition, the WORKERS software (Overseas Development Administration UK and Economic Planning Unit Malaysia, 1992), which uses the results of PEOPLE software, is used for labor force, education and household projections. It can be accessed free-of-charge. (Soylu 2004; Canpolat 2008)

IPSS (Interactive Population Statistics System), PEP, R, POPX, ESCAP, DEMOTOOLS are some of the other programs for projections (Soylu 2004).

*Spectrum-Demproj 4*¹ program will be used in this study.

2.4. POPULATION PROJECTIONS AND THE DEMOGRAPHIC TRANSITION THEORY

In this section, the *demographic transition theory* that is usually used as a guide for assumption making processes will be defined briefly for the world and Turkey.

¹ The methodology and application details about this software will be defined in the next chapters.

2.4.1. Definition of the Theory

The *theory of demographic transition* is often used as the underlying pattern in the assumption process of the future trends of demographic components (Groenewold and Navaneetham 1998:31). *Demographic transition* is a term that refers to description of historical trends of the vital rates; the movement of high mortality and fertility rates to low rates, as a result of industrialization or modernization (Kirk 1996; Casterline 2003). The theory was proposed by the demographers of Princeton's Office of Population Research that was being directed by Frank W. Notestein¹ during 1940s and 1950s (Yavuz 2008:45).

A main simplification of demographic transition theory is that once fertility decline, stimulated by birth control within marriage, the trend is irreversible and sustained until fertility reaches replacement level or near there (Lutz et al. 1996:262).

The concept of the transition is a generalization of the sequence of events that were observed over the past two centuries in the more developed countries (O'Neill et al. 2001:226). Mortality and fertility rates were observed to be high in the pre-industrial European countries; and these cases were being seen as large family sizes, high death rates, widespread famines and diseases (Groenewold and Navaneetham 1998:31)

Mortality had started to decline parallel to the economic development and improvements in public health conditions. Fertility remained high in the first phases and the populations in these countries grew rapidly, as a result. But reducing in the preference for and the economic advantages of children had been started parallel to urbanization, employment of women etc. So, decline in fertility levels has been observed up to now. Infant mortality rates dropped to a possible need for

¹ The demographic transition theory had been developed by the contribution of several scholars like Blacker, Davis, Landry, Thompsan and Kirk.

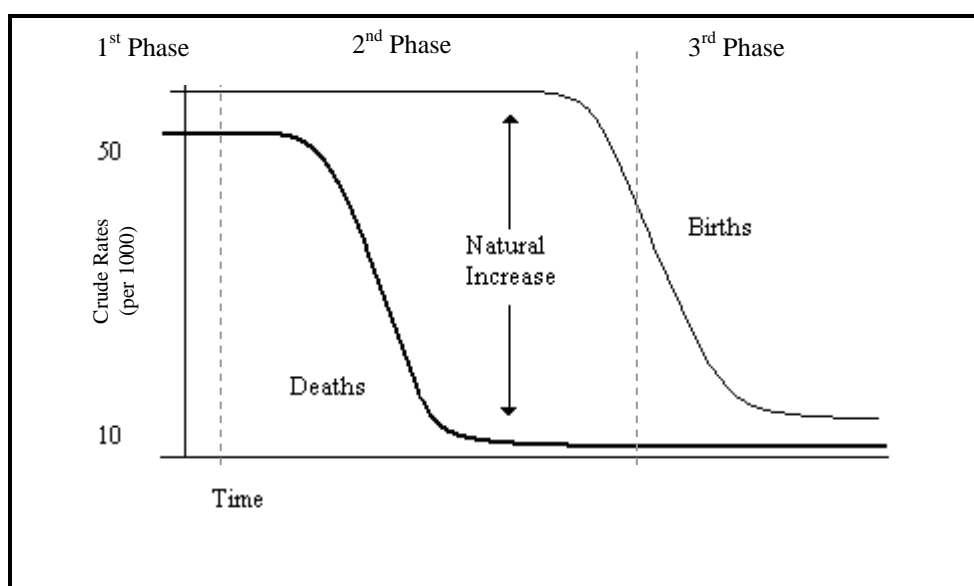
replacement off-spring as more children survived to adulthood and birth rates followed the drop in death rates. Consequently, population growth slowed down.

This is the basic logical basis of the theory. According to the theory, mortality and fertility levels decline respectively from high to the lower levels, especially to the replacement level fertility. All of these demographic movements mean a slowing down process of the population growth.

According to the demographic transition theory the transition process is examined in three phases (Thomlinson 1965; Keyfitz and Flieger 1971):

- 1st Stage: “Pre-transitional phase” → high birth and death rates,
- 2nd Stage: “Transitional phase” → high birth and low death rates
- 3rd Stage: “Post-transitional phase” → low birth and death rates

Figure 2.4.1.1 A brief graph of demographic transition.



This transition was seen in Western Europe between 1840 and 1990, in a 150 years period. But it doesn't mean that all of the developing countries will follow the same or similar pattern. The similarity is contingent to the socio-economic, demographic, environmental and political circumstances of the regions or countries of which populations are decided to be inserted in a projection process. Different parts of the world may be and also are at very different stages of demographic transition.

The relationship between the demographic transition and socio-economic changes can be observed in age structures, migration patterns, family labor, education, the quality of children and adult health. Urbanization is also an accelerating component for the demographic transition and it affects mortality and fertility (Population Reference Bureau 2004)

Cohort component method, which is the most widely used approach, is based on the components of population change: *fertility*, *mortality* and *migration*. The demographic transition theory is a generalization that is based on empirical observations of historical birth and death rates from some of the western countries, which are the main components of the cohort component method.

Considering the baselines of this theory is so important when the assumptions are being made for generating population projections of the developing countries.

2.4.2. The Demographic Transition Process of Turkey

Considerable evolution has been observed in the demographic structure of Turkey during the 86 years of the Republic, while the world population has undergone a global demographic transition. The population has been almost roundly renewed in this long time. Turkey is a more urbanized country and the health conditions are better. Life expectancy is higher due to the indicators of development

and fertility is not as high as in the older times. The dynamic process of the evolution is still going on (DİE 1995:3).

Nearly all countries have been experienced, or are experiencing recently, a type of demographic transition in the world; and the high values of mortality and fertility levels has been reduced, or are decreasing, respectively. But in practice, all countries may not follow the standard paths about this transition theory. All countries have specific social, cultural, politic and economic history.

At the end of 19th century, the demographic transition process started in the two big cities of Ottoman State, İstanbul and İzmir (TÜSİAD 1999; Yavuz 2008). There was low fertility in İstanbul, before the demographic transition at a national level, at the end of the 19th century (DİE 1995:4). The demographic structure of İstanbul has been distinct from the Turkey as a whole, until the last few decades (Yavuz 2008:134). Any typical rural Turkish family had almost 7 children on average, while the fertility level had already fallen to the replacement level among İstanbul families, during the 1930s and 1940s (Duben and Behar 1991). This means that the demographic transition process is maybe not being experienced at the same time in different regions of any country. These differences of transition histories may be also different between the regions, not only the countries.

In Turkey, the transition can be briefly proposed by the three subtitles:

- 1st Stage: The period of 1923-1950s,
- 2nd Stage: The period of 1955-1985,
- 3rd Stage: The period of 1986- ...,

The 1st phase of the transition had been experienced in 1923-1955s period in Turkey (DİE 1995:4). After the 2nd World War, mortality had declined, but fertility had been raised from 5.5 to 7 children. This growth was a result of official pro-

natalist policies on fertility. The total population size had been increased from 13 millions to 24 millions, between 1923 and 1955.

The 2nd phase of the demographic transition of Turkey had been experienced between 1955 and 1985 (DİE 1995:5). Population growth rate had been reached to 28.5 per thousand in the period of 1955-1960, that was the maximum degree ever seen (DİE 1995; Yavuz 2008:143). There was an increase in the quantity of life expectancy. It reached to 62 years in this period. There was a steady decline in fertility; and the doubling time was 28 years (Canpolat 2008:113). Fertility started to decrease from 1950s up to now. During the early years of the 1960s, anti-natalist policies were been discussed and the implementations had started. But as a characteristic of the second phase of the theory, population size has continued incrementing. Population size reached to 51 millions in 1985. In addition, urbanization was increased. Declining of fertility and increased urbanization are reciprocally consolidating inversely proportional components (DİE 1995:5).

The 3rd phase of the transition doesn't finish with a definite event. The two basic conditions for the end of 3rd phase, stopping of the positively growth of population size and stopping of the declining of fertility, have not been occurred yet. It can be said that the current demographic structure of Turkey is in the last phase of demographic transition process (Canpolat 2008:110; DİE 1995; Yavuz 2008).

Since 1963, demographic surveys were conducted every five years. These sample surveys indicate a continual decline in fertility. Current fertility is close to the reproduction level (HIPS 2009). Declining in mortality and fertility is continuing, and there is an irreversible decrease in the population growth rate in Turkey (DİE 1995:5). This situation began in 1980s, with a wide regional disparity ranging from west to east (Yavuz 2008). Total Fertility Rate (TFR) is 3.65 in East region. That means approximately 1.5 children more than for the women in the rest of the country (HIPS 2004).

Population growth rate decreased to 2.2 in the period of 1985-90. Life expectancy at birth rose above 65 years. A rapid decrease is observed in fertility. Total fertility rate decreased below 3, population growth rate is below 2%; and the doubling time is at least 44 years (Canpolat 2008:113).

In the recent years, the demographic profile of Turkey is usually referenced with its young age structure. However, Turkey will soon experience a population aging process (Yavuz 2008:1).

The basic approaches of this theory will be considered and evaluated at the conclusion of this study. Demographic patterns will be observed briefly at national, regional and provincial level, according to the projection results.

CHAPTER 3

POPULATION PROJECTIONS IN THE WORLD AND TURKEY

As mentioned before, population projections are usually used for several occasions and aims in the world and also in Turkey. There are historical development paths of projections. These stages and events will be presented in this chapter.

In the 1st section, the studies on projections by the institutions and the status of projections in the world will be mentioned. The development and the state of projections in Turkey will be presented in the second chapter.

3.1. POPULATION PROJECTIONS IN THE WORLD

Development of the population projections for the world is generally done by international institutions. Some international agencies make and publish projections for the world and regions. Before the 1950s, very little attention was given to population variables in planning models which were part of essentially economic development planning; population variables became endogenous in development planning models (Groenewold and Navaneetham 1998:4-5).

In the United States, Warren S. Thompson and P. K. Whelpton of the Scripps Foundation participated in the pioneering work in developing the *component method* in 1930's, however official responsibility of for preparing projections were taken to Bureau of the Census. (Shyrock and Siegel 1973:774)

16 series of projections made in the 1940's for the Royal Commission on Population, in Great Britain.

First global projections were generated by Frank W. Notestein, in 1944. These comparable projections were especially for the Europe and the Soviet Union. They were sponsored by the League of Nations (Shyrock and Siegel 1973:772).

United Nations has taken a leadership role since 1950's. Population projections made by United Nations in 1950 were the first in the world. Two comprehensive sets of national, regional and global population projections were published by United Nations, in 1958 and 1966; (Shyrock and Siegel 1973:772; Siegel and Swanson 2004: 564); and a new set has been published every 2 years since 1978. 1958 report that was based on censuses in 1950's, presented projections for future population world, specific regions and countries. UN (1998) projections provide information on the age and sex structure of the population. These projections include several variants that are based on different combinations about the assumptions. All of these projections have almost been off by less than 4 percent (Bongaarts and Bulatao 2000).

Population projections for the world as whole, major areas, major regions for 1960 to 2000 and all countries for 1960 to 1980 were the later reports. These projections have been generated from the results of 1960 and 1961 censuses in many countries (Shyrock and Siegel 1973:772).

The recent studies of *World Population Prospects*¹ by the United Nations make effort to combine the best features of various approaches and provide unified framework and assistance for assumption process of the demographic components. However, the publications of the governments themselves are the best sources for national population projections.

¹ This topic will be defined by a detailed way in the next chapters.

Population projections for some individual countries have been accumulated by various international regional agencies. OEEC (Organization for European Economic Co-operation), OECD (Organization for Economic Co-operation and Development), IASI (Interamerican Statistical Institute) and Caribbean Commission are only some of the examples. Many sets of projections for groups of countries have been generated by individual governments, offices and private organizations. (Shyrock and Siegel 1973:772)

The other institutions are USCB (United States Census Bureau), Population Division, The World Bank, PRB (Population Reference Bureau), IIASA (International Institute of Applied System Analysis) and VID (Vienna Institute of Demography) etc.

The World Bank has been generating national, regional, and global population projections since 1978. Some sets of The World Bank have included several alternative series, others only single series.

The U.S. Census Bureau has been producing national, regional, and global projections since 1985; and publishes updates approximately every year (O'Neill et al. 2001:208). All of these projections are accessible online in "International Data Base" that includes the projections for the major regions of the world and 227 countries. Projections by age and sex are available for 2000 and 2025 and projections of total population are available in 10-year intervals through 2050 (Siegel and Swanson 2004: 564).

The Population Reference Bureau (PRB) publishes population projections for all countries of the world, by using a combination of projections produced by other agencies and those produced internally.

The International Institute for Applied Systems Analysis (IIASA) has been producing several sets of projections for the world and 13 of its regions since the 1990s.

The Statistical Office of the European Communities (EUROSTAT) generates national population projections by age and sex for the countries of the European Union and the countries of the European Free Trade Association every 3 to 5 years, with the assistance of Statistics Netherlands (Crujisen 1994; EUROSTAT 1998). In 2050, the European Union population will be 459.5 million and according to the baseline scenario of EUROSTAT population projections, it will stop rising around 2025 (Mamolo and Scherbov 2006).

International projections are also produced by several other agencies. Academic demographic centers (e.g. Australian National University), private-sector entities (e.g. The Futures Group) and other specialized institutions (e.g. U.S. National Research Council) conduct researches on population projections (Siegel and Swanson 2004: 564). According to the implication of findings of Bongaarts and Bulatao (2000), the population of the world will probably grow from 6 billion today to between 8 and 11 billion in 2050.

Comparability of various national and international population projections is very important for demographic studies. The national projections that are made by single agency or office are much more likely to be comparable. Comparability is affected by differences in the availability and quality of the national data (Shyrock and Siegel 1973:772).

Although a few countries had previously made one or more sets of projections and had them updated according to demographic changes, many countries produced their first population projections in 1970's, usually as a basis for their economic development plans (Shyrock and Siegel 1973:773). Some countries

update their projections at frequent intervals if they are repeatedly get out line with actual demographic developments.

Some government agencies, research institutes, and private businesses produce and publish sub-national population projections in the world. In the United States, the U.S. Census Bureau makes projections for states. Most of the state governments make national projections for their states and sub-national projections for counties in their states; and many local and regional governments make projections for cities, census tracts, block groups, and other small areas (Siegel and Swanson 2004: 564). Some private businesses make projections for states, counties, sub-county areas, customized geographic areas and demographic subgroups.

Cohort-component method is the most used method in the European Union member countries. Some of the members like Austria, Finland and Netherlands use stochastic estimation methods that are probabilistic approaches (Soylu 2004:41). European countries usually make assumptions of net migration that has decreasing growth.

Sub-national projections have become increasingly common in the last years. Similar trends have occurred in some countries, including Australia (Australian Bureau of Statistics 2000), Canada (George 2001), India (Indian Office of the Registrar General 2001), Israel (Israeli Central Bureau of Statistics 1987), New Zealand (Statistics New Zealand 2000), and virtually all countries in Europe (Kupiszewski and Rees 1999).

The projections differ from one country to another according to the methods employed. A very large number of demographic projections may be produced and published in the countries that have many planning activities of state, at regional and local levels.

3.2. POPULATION PROJECTIONS IN TURKEY

Population projections do not have a very long history in Turkey and in the world. Population projections of TurkStat are made by cohort-component method for national based, and mathematical methods for sub-national estimations, namely province and districts, by urban and rural. Sub-national projections are made by mathematical methods, but especially by the ratio methods. TurkStat has used the FIVFIV software for many years.

Cohort-component is argued as the best method if the fertility, mortality and migration cases are well known. Local projections of TurkStat are not made by cohort-component method, because lack of reliable local-based demographic data for these demographic factors. Although the European countries usually make assumptions of net international migration that has decreasing growth, there is no adequate data about migration, especially for internal migration in Turkey.

The results are not only used by the Institute, administrative units, and researchers but also by public; and available for everyone. In the Institute, the results of the population projections are used to plan the framework of the surveys, especially social household surveys. TurkStat is the only administrative body collects data in the country. One of the most important administrative bodies is the SPO (State Planning Organization), which uses the results. The results are used for preparation of development plans of the country. Other organization is the Ministry of Health that uses the results for the outcomes of immunization and family planning projects. The projections are also used by the Ministry of Education to measure and forecast schooling rates.

In Turkey, the first attempt about population projections was by Ratip Yüceuluğ for estimation of 6-21 educational age groups by mathematical methods as a response to requests of Ministry of Education in 1951. (Berksan 1969)

At the beginning of planned period, in 1963, population projections were produced by the State Planning Organization for preparing development plans and programs.

The first population projections were produced in 1951 for the age group of “6-21” in 1950-1983 upon the request of the Ministry of Education. Mathematical methodologies were used in this projection by Ratip Yüceuluğ. It was assumed that population growth rate of 1955-1960 would be constant. He used an interpolation methodology to forecast total population. Until 1983, total population projections were generated by using geometric growth rate method and assuming population growth rate of 1927-1955 period as constant. After that, average sex ratio was calculated by employing 1935, 1945 and 1960 Population Census’s results to obtain male and female population distribution (Berksan 1969).

Population projections based on 1955-1960 censuses are made by Orhan Türkey in 1962, for first 5 Year Development Plan that were prepared by SPO (State Planning Organization). It was assumed that migration had negligible effect on population and decreasing trends in mortality showed same pattern with “United Nations Life Tables”. With regard to the fertility assumptions, three different sets were prepared as high, medium and low fertility. In high fertility assumption, both shape and the level of the high fertility schedule were assumed to be constant. It was assumed that fertility would decrease by 5 percent in the medium case and 10 percent in the low case in every five years (Berksan 1969).

Population projections between 1955 and 1960 were generated by Kenan Gürtan (1966) using population census results. He assumed that migration effect was negligible on population size. Mortality level and fertility tendency were supposed as well-matched with UN life tables and UN assumptions, respectively (Berksan 1969)

In later years, Berksan (1969) and Shorter (1966) carried out some studies regarding population projection. In a similar manner, migration was also ignored in these studies. There were two assumptions for mortality: decrease in child mortality rates would be sharp and mortality levels would be constant together with fertility levels. Three assumptions relating to fertility had been established. In the first assumption, fertility and age specific fertility rates were taken as constant. In the second case, fertility was assumed as decreasing and the age specific fertility rates of 1960-1965 period would be decreased gradually 5% in 1965-1970, 21% in 1970-1975, 33% in 1975-1980 and 40% in 1980-1985. In the third, fertility was supposed to decrease very sharply and the age specific fertility rates of 1960-1965 period would be declined sharply 5% in 1965-1970, 20% in 1970-1975, 37% in 1975-1980 and 50% in 1980-1985. Projection results in the Table 2.1.1 were calculated under the assumption of constant fertility.

Table 3.2.1 Population projection results until the year 1985

Year	Population calculated by Türkey		Population calculated by Gürtan	Population calculated by Shorter- Berksan
1965	31 936	31 391	32 579	31 391
1970	36 691	35 803	37 277	36 034
1975	42 558	41 005	42 835	41 830
1980	49 947	47 402	49 759	49 281
1985	59 162	55 292	58 289	58 563

Source: Berksan, Samira. Population Projections, DPT 1969

All of the forward population projections, which were generated in the interval between 1960 and 1970, are usually negatively criticized that they were not accurate and none of them successfully forecasted the rapid decline in fertility (TÜSİAD 1999:51). All assumptions were composed likely similar to the slow decline in the world, especially in Europe.

The first cohort analysis projections were generated by SPO for fourth 5 Year Development Plan, based on 1975 Census (SPO 1979). The projection result due to the middle variant of fertility assumption was fairly accurate with an estimation of 67 794 600 when it is compared with the 2000 GPC result: 67 803 927 (Soylu 2004).

SPO made provincial projection by mathematical methods in 1972. In addition, urban area estimations were held on by SPO for 1970-1977, in 1973. Tuncer Kocaman (1980) estimated future urban population sizes his “urban population estimations until the end of 20th Century” study.

The first provincial projections that are made by mathematical methods were done by SPO with level of age and sex distribution for 1960, 1965, 1970, 1975, 1980 GPC results.

Sibel Semizer (1992) generated national population projections with several scenarios for Turkey, up to 2010, by cohort-component method; as a thesis for the M.A Degree in Technical Demography Program of HIPS.

Population projections have been conducted using cohort-component method by SIS since 1994. Projections for the allocation units have been made by the ratio techniques. The results have been revised according to the national population projections. There have been no household projection studies of SIS and TurkStat.

Selma Tosun (1999) applied household headship rate method to Turkey data (1990-2025) and estimated household size and housing deficit as a thesis for M.A. degree for HIPS.

Gürbüz Soylu (2004) published a detailed literature review on projections; generated population projections by cohort-component method and household projections by household headship rate method, for an expert thesis for SIS. Cohort-

component method was evaluated and discussed as the most appropriate method for Turkey. In his thesis, statistical comparisons were made about the FIVFIV package program as compare to the other cohort component based software. No statistically significant differences were found in the projection results of the population with base year of 1983 and ending in 2018 and FIVFIV was being argued that it was catering the needs of its users (Soylu 2004:77).

Şebnem Canpolat (2008) made household projections which also include population projections, for analyzing the population ageing and co-residence pattern of elderly population in Turkey as a dissertation for degree of Doctor of Philosophy in Technical Demography for HIPS. PEOPLE software (Overseas Development Administration UK and Economic Planning Unit Malaysia, 1990) was used for the population projections (Canpolat 2008:82). Also the WORKERS software (Overseas Development Administration UK and Economic Planning Unit Malaysia, 1992) was used for labor force projections (Canpolat 2008:94).

Orçun Aydın (2009) comparatively analyzed the population projection methods by using the census data of Turkey, as an expert thesis for TurkStat. Several econometric models were used and an alternative method named *panel data analysis* is suggested as an addition to the cohort component method. Twenty-seven different models were applied to the censuses between 1927 and 1990, and the results of 2000 GPC (General Population Census) are compared with all of the 27 projected values.

Basic data sources for population projections in Turkey are population censuses, demographic and health surveys. A new population registration system, Address Based Population Registration System is also used for the recent population projection studies.

It must be considered that population projections should be revised and updated due to variable conditions and development of new methods or approaches

is necessary (Kocaman 2002). Fundamentally, updated and modernized population projections are needed for Turkey and its sub-regions.

In this study; national, regional and provincial population projections will be generated by updated demographic assumptions and initial population sizes for Turkey.

CHAPTER 4

METHODOLOGY

The methodology used in this study includes quantitative methods, and is consisting of several data sources. In this chapter, these quantitative methods and data sources will be explained in the 1st section.

Research questions, hypotheses, definition of the software will be also presented as the methodological framework of the study. Following these, assumption process of the demographic components for the all projection units will be defined briefly. In addition, practical application illustrations of the software with the real assumptions of 06-Ankara province will be presented, as an example.

4.1. DATA SOURCES

4.1.1. Primary Data Source of the Study: Address Based Population Registration System

In this study, the Address Based Population Registration System (hereafter referred to as ABPRS) that was developed by the Turkish Statistical Institute (TurkStat) will be used for the primary data source. It will be primarily used for provincial first year (2008) population of 81 provinces that is segregated as sex, age groups (5 years) and rural-urban details.

ABPRS is the most important and most sensitive phase of MERNIS (Central Population Management System) Project.

MERNIS was conceived as an idea in 1972, and was prepared as a project in 1976 by State Planning Organization (SPO). Implementation of the project started in 1982. Population Register System transferred into computer system in 1997-1999. The project actually started on 20th October 2000.

MERNIS is one of the “e-state” projects which includes setting up a software dataset of all personal status data of the members of population, and implementing the periodically updates of the info. MERNIS is mainly due to individual based unique official identification numbers named as “Turkish Republic Identification Number” which is used as a main connection between all of the official operations like military service, education, health services, tax payments etc. Every member of Turkish Republic has unique number for official registration system. It means every governmental operation is executed in software system and updated based on a unique number for every member. This has resulted in fewer chores, less bureaucracy, more registration ratio and more official monitoring. In addition, it means a link between all official institutions.

The most important and most sensitive phase of MERNIS is the population registration system. There is a dramatic difference between Turkey and other states on this complicated issue. Population was not registered by to residence in Turkey. It is registered based on a file system which is a big notebook is named “family-ledger” that the people which are member of the same family were registered in. This case caused some important problems about implementation of MERNIS.

ABPRS is a new system which is usually used in the Baltic countries. This means matching TR Identification Numbers of everyone and their address codes by software. So; every member of the population was matched with only one address code and so, duplication of registrations, non-registrations and especially errors due

to the imaginary population¹ will be prevented. Thus, the demographic indicators could be observed and updatable. This is very important issue to measure the internal migration.

“Population censuses couldn’t have been made by sampling methods in Turkey, because of the family-ledger system of population registration, and lack of an population registration system based on residence.” (TTB Report 2001) ²

Therefore, this new system has been planned and implemented all over the Turkey. It is planned to solve the problems about the population registration system in Turkey by matching the Turkish Republic Identification Numbers and the determined code of residence.

ABPRS is based on matching the family ledgers in MERNIS database with National Address Database which includes all of the address data in the country by using TR Identification Numbers. It is also an informational database that includes a further database file for foreigners by using passport numbers.

ABPRS has been gone into effect and became operational on 29th of April 2006 by the “Law of Population Services” which was published in the Official Gazette. According to the Law of Population Services, constitutional mission of ABPRS is assigned to TurkStat, mission of updating and enabling the consistency of the system is assigned to Ministry of Interior Affairs- General Directorate of Population and Citizenship.

ABPRS is a new perspective for demographic estimations, population censuses, population registrations, central planning. We can follow up the fast

¹ The concept and causes of that problem will be discussed in the next phases of this section that are about the previous population censuses in Turkey.

² See the original report: “*Türk Tabipleri Birliği 13. Halk Sağlığı Gezici Eğitim Semineri Raporu, 2001*”

demographic changes, prominent urbanization levels which are continuing non-stop more easily. It is a “population registration system” that is implemented in all over the Turkey by De Jure¹ method and is not a “population census”. It is separated from De Facto² population censuses. It is a brand-new window on demography in Turkey.

ABPRS is neither a population nor a dwelling census; it is a modern database that will be live by permanently updates. It is a project that is included by “Urgent Action Plan” and a sub-unit of “e-state” project. The censuses which were implemented once every 10 years and include “curfew” method (bans of going out of the people to the streets) won’t be performed. Besides, there is lesser risk and error of non-registration or duplicated registrations of any individuals. A fine-operative system will be performed.

Thus, demographic movements and changes of dwelling dispersion can be permanently followed up. A new standard address database is being implemented all over Turkey, from the most remote solitary areas to the metropolitan areas.

ABPRS is especially necessary for the urbanized and high populated metropolitan areas. A piece of data from TDHS-2003 (Turkey - Demographic and Health Survey - 2003) executed by HIPS (Hacettepe University- Institute of Population Studies) can be an indicator about the necessity of ABPRS. Data about the city that is registered in family-ledger and the city that is currently being lived in at the time of survey was asked to women who had at least one childbirth since January-1998 and who has married at least once. The following values are percentages of those women whose current residence place is the same city with the city that her family-ledger is registered in.

¹ De jure: A “de jure” census enumerates people at their usual place of residence, regardless of where they are on Census Day.

(<http://www.library.mcgill.ca/edrs/data/dli/statcan/census/census2001/docs.html>)

² De facto: A “de facto” census counts people where they are on Census Day and does not take into consideration their usual place of residence.

(<http://www.library.mcgill.ca/edrs/data/dli/statcan/census/census2001/docs.html>)

Table 4.1.1.1 Women who lives at the place that their family-ledger is registered in the same place (Total: 2130 women) (%)

City (Current Residence)	Women who are registered there (%)	City (Current Residence)	Women who are registered there (%)	City (Current Residence)	Women who are registered there (%)
Adana	54,5%	Gaziantep	81,4%	Samsun	79,4%
Adıyaman	87,9%	Giresun	77,8%	Siirt	62,5%
Afyon	100,0%	Gümüşhane	100,0%	Sinop	100,0%
Ağrı	100,0%	Hakkari	64,3%	Sivas	92,9%
Amasya	64,3%	Hatay	89,3%	Tekirdağ	44,4%
Ankara	42,5%	Isparta	100,0%	Tokat	100,0%
Antalya	58,3%	İçel	60,6%	Trabzon	100,0%
Artvin	66,7%	İstanbul	13,5%	Tunceli	100,0%
Aydın	100,0%	Kayseri	86,1%	Şanlıurfa	94,1%
Balıkesir	85,3%	Kırklareli	40,0%	Uşak	80,0%
Bingöl	83,3%	Kırşehir	62,5%	Van	97,4%
Bitlis	81,8%	Kocaeli	58,5%	Yozgat	95,2%
Bolu	80,0%	Konya	74,6%	Zonguldak	77,8%
Bursa	53,2%	Kütahya	93,1%	Kırıkkale	80,0%
Çanakkale	83,3%	Malatya	86,7%	Batman	75,0%
Çankiri	60,0%	Manisa	93,5%	Şırnak	85,7%
Çorum	100,0%	K. Maraş	98,1%	Bartın	100,0%
Denizli	100,0%	Mardin	94,4%	Ardahan	100,0%
Diyarbakir	85,5%	Muş	83,3%	Iğdır	100,0%
Edirne	54,5%	Nevşehir	93,3%	Karabük	50,0%
Elazığ	95,5%	Niğde	100,0%	Kilis	100,0%
Erzincan	84,6%	Ordu	100,0%	Osmaniye	81,0%
Erzurum	100,0%	Rize	75,0%	Düzce	50,0%
Eskişehir	65,2%	Sakarya	90,6%		

Source: TDHS-2003, HIPS

It can be easily seen that the cities which are more urbanized and have higher population sizes, have lower percentages of women who are living there and also their family-ledger are registered in the same cities.

Distribution of provincial percentage values that are generated from ABPRS 2008 data gives information about the individuals who live in the same province that their family-ledgers are registered is given in the table below:

Table 4.1.1.2 Provincial percentage of the individual population who live in the same provinces that their family-ledgers are registered in

Province	%	Province	%
1 Adana	62.0	29 Gümüşhane	92.0
2 Adıyaman	94.7	30 Hakkari	87.6
3 Afyonkarahisar	92.0	31 Hatay	86.5
4 Ağrı	93.2	32 Isparta	82.2
5 Amasya	84.4	33 Mersin	62.0
6 Ankara	33.9	34 İstanbul	16.9
7 Antalya	53.6	35 İzmir	44.6
8 Artvin	91.4	36 Kars	89.2
9 Aydın	71.8	37 Kastamonu	89.7
10 Balıkesir	79.5	38 Kayseri	75.3
11 Bilecik	72.3	39 Kırklareli	74.2
12 Bingöl	91.2	40 Kırşehir	83.6
13 Bitlis	89.9	41 Kocaeli	34.9
14 Bolu	79.2	42 Konya	86.3
15 Burdur	87.7	43 Kütahya	88.0
16 Bursa	58.9	44 Malatya	82.5
17 Çanakkale	81.0	45 Manisa	76.7
18 Çankırı	88.5	46 Kahramanmaraş	93.7
19 Çorum	93.2	47 Mardin	91.2
20 Denizli	79.4	48 Muğla	68.2
21 Diyarbakır	85.5	49 Muş	92.5
22 Edirne	77.2	50 Nevşehir	87.4
23 Elazığ	84.4	51 Niğde	89.6
24 Erzincan	79.1	52 Ordu	94.0
25 Erzurum	90.5	53 Rize	88.0
26 Eskişehir	67.9	54 Sakarya	77.5
27 Gaziantep	70.6	55 Samsun	85.3
28 Giresun	92.9	56 Siirt	87.8

Table 4.1.1.2 Provincial percentage of the individual population who live in the same provinces that their family-ledgers are registered in (cont)

Province	%	Province	%
57 Sinop	90.2	70 Karaman	85.7
58 Sivas	92.5	71 Kırıkkale	75.2
59 Tekirdağ	50.3	72 Batman	82.4
60 Tokat	91.3	73 Şırnak	87.9
61 Trabzon	90.7	74 Bartın	88.4
62 Tunceli	74.4	75 Ardahan	90.2
63 Şanlıurfa	94.6	76 Iğdır	87.8
64 Uşak	82.8	77 Yalova	42.5
65 Van	88.8	78 Karabük	73.2
66 Yozgat	92.4	79 Kilis	88.9
67 Zonguldak	76.4	80 Osmaniye	77.2
68 Aksaray	89.4	81 Düzce	83.4
69 Bayburt	87.3		

Source: ABPRS 2008, TurkStat

There will be an improvement in the bureaucratic-procedures with the development of the new system. This system will provide a more practical operational method for population registration and censuses. This is a system that will make the official business of the certified-official easier, from the village headmen (muhtars) up to the President. Soon;

- Effective Use of Public Sources
- Compensation of Updated Information
- Reducing the Bureaucratic Loads of the Citizens
- Planning of the Public Services
- Production of Reliable and Timely Statistics

will be available.

In the scope of the field study and application of the system; firstly; numeration process of addresses was started in 2006. Then the Information Retrieval Forms were sent for data-collection. The stages of the system are:

- *Standardization of the Addresses:* All addresses of the urban and rural residence places in Turkey will be edited due to a standard. This standardization will limit the address confusion in Turkey.
- *Constitution of National Address Database:* The standardization process was accomplished by registering all addresses including quarters (mahalles), avenues, streets and inside-door numbers to “National Address Database” (NAD). The enumeration task has been executed and updated by the related municipalities.
- *Determination of Population:* After the address standardization and enumeration, TURKSTAT staff carried out a field study for taking the TR-ID Numbers of the individuals that are members of households who live in the numbered resident places. Those places had been registered into the National Address Database, before the data collection process.
- *Matching of TR-ID Numbers and Address Codes:* The TR-ID numbers and address codes which are recorded in the National Address Database were matched each other by a WEB-based software program.
- *Hanger Process and Control:* Headmen (Muhtars) posted the information in their offices for correction of the errors, completion of missing data (if existing) and control process by the people.

Figure 4.1.1.1 Stages of constitution of ABPRS system

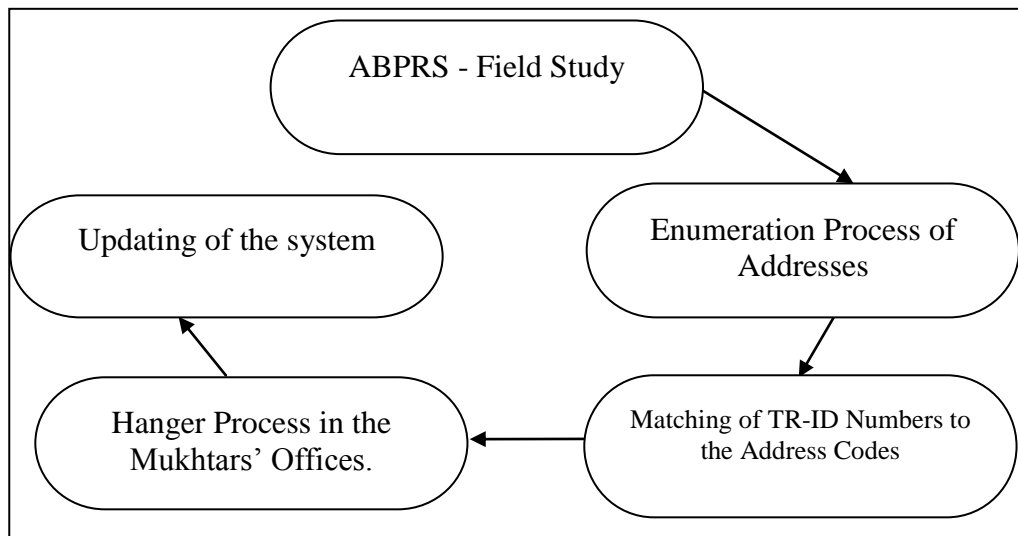
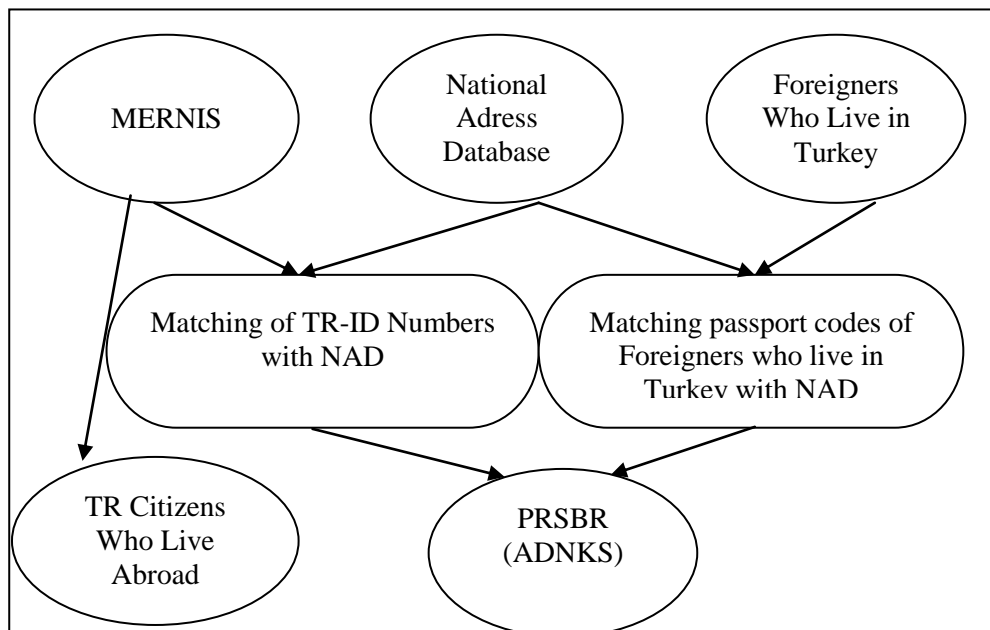


Figure 4.1.1.2 Structure of constitution of ABPRS system



After all of the implementation stages, authorization of management and application of the system was transferred from TurkStat to Ministry of Interior Affairs- General Directorate of Population and Citizenship by a protocol on 01st of August 2007.

The results of ABPRS 2007 were released on 21st of January 2008 and the results of ABPRS 2008 were on 26th of January 2009, by TurkStat.

Age classification of ABPRS is based on International Standard Age Classification (ISAC-97) for single ages and quintet (5 years) age groups (0-4, 5-9, 10-14, ..., 85+). Because of the age distribution of ABPRS that was exposed by TurkStat in 2007 and 2008 was based on five year age groups, also five year age groups will be used for population projections in this study. Population size, sex and age group information at the level of whole of Turkey, 81 provinces and rural-urban details will compose the coverage of data for calculating initial population tables which will be used in the software.

Reason for the use of age distribution that lies in ABPRS database as a primary data source is generating forward projections for estimating demographic indicators of Turkey with an updated database, and comparing with the results of the near past projections of TurkStat which were generated by this data set.

In this study, ABPRS 2007 and 2008 data will be primarily used for the calculation and estimation processes of provincial, regional and national first year (2008) population sizes of Turkey that are segregated by sex, age groups (5 years) and rural-urban details.

The data will be also used for calculation and estimation of past and future trends of urbanization and urban percent values of all provinces, regions and Turkey's total population sizes with the contribution of urban percent values of all of those allocation units from the data of 1990 and 2000 General Population Censuses.

On the other hand, 2007 – 2008 ABPRS Internal Migration data of provinces, regions and Turkey total (zero) in detail of sex and percent distributions of age

groups will be used for making migration assumptions as input variables for the software.

4.1.2. General Population Censuses (1990 and 2000)

Although there is a long history of population censuses, modern population censuses developed in Europe (Scandinavian States) especially after the industrial revolution. The censuses initially were used for military and taxation matters and were not as comprehensive as usual known population censuses.

Due to the historical modernization and industrialization process and the demands relevant to different eras, governments have been involved in the population censuses and registration systems. Thereby, a conspicuous improvement on censuses, surveys and registration techniques has occurred up to the present. Nowadays, population size, population distribution, population growth rate, urban growth rate, sex-ratio etc. internationally comparable and standardized demographic indicators are calculated from census data. There are universally standards and approaches about population censuses.

This transition process of Turkey does not have a long history. The recording system of Ottoman's was not as developed as the other countries. That is why the Turkish Republic developed the registration system later (Karpas 1985). Here, there is a debatable point that there might be a cultural issue.

The most valuable information about the human resources can be provided by the analysis of the data collected from the censuses, and by converting them into reliable and high quality statistics (DIE 2003).

Before the Kemalist Revolution and establishment of the Turkish Republic, only a few partial and general population censuses had been undertaken in the

Ottoman era. Some partial census practices, which were usually for the purpose of martial census or land tax censuses in 1800's. The result of 1831 census, which we can define as the only general census undertaken in the Ottoman era, found that there were four million males in the population. It is reported that the only census which was described as having demographic objectives was in 1907. And also it was the base for "Event and Population Registration System" in our history (Karpaz 1985).

The population census, which is the geographic and demographic inventory of the individuals, with its characteristics of being the only information source of the smallest residence unit, keeps its first position in our country where the registration system is just being improved (DIE 2003).

In Turkey, after establishment of The Turkish Republic on 29th October of 1923, the first general population census was carried out in 1927, and the next one was in 1935. Total population of Turkey was approximately 14 millions, in 1927 (TÜSIAD 1999:35). There was a quinquennial census calendar until 1990. At this time, time period was expanded and changed the conduct of population censuses decennially. This time frame has been used until the most recent census, the 2000 General Population Census carried out on 22nd of October 2000. All of the 14 population censuses of Turkey were carried out according to De Facto systems (Soylu 2004:13)

In 2000 Population Census, the population (de facto population) present within the boundaries of our country on the census day was enumerated. This definition, which was also used in the previous censuses, requires persons being enumerated at localities where they are physically present on the census day (SIS, 2003).

The 2000 Census was carried out in one day and a curfew was applied, as it was carried out in the previous censuses. All the places that constitute household,

that do not constitute households (dormitories, military quarters, prisons, hospitals, hotels etc.) and the nomadic population were visited by enumerators to fill in the questionnaires through the face to face interview method. Thus, all the population within the boundaries of our country on the census day was completely covered. Therefore, persons who reside in Turkey but who were abroad on the census day were excluded from the enumeration and persons who reside abroad but who were in our country on the census day were included in the enumeration.

The 2000 Census required immense use of information technologies on structural and methodological issues. Real image formats and character based all numerical values of data were transferred to the computer platform, in accordance with the requirements of era. Optical data entry, web technologies databases were used effectively (Canpolat 2003).

The biggest problem of 2000 Census and the censuses that had been carried out before is the imaginary population.

There are two basic causes of imaginary population errors: efforts of villages to gain municipality status through the inflation of population size and the efforts of the municipalities for more annual financial allocation that is provided from central government based the population size of the administrative unit, every year.

Just after the field study of 2000 Census, it was stated by State Institute of Statistics, Ministry of Interior and Ministry of State that there had been a number of complaints about some locations related to the imaginary population. After an evaluation process that was executed by expert teams and academic authorities of SIS, SPO and HIPS, it was seen that there was a too high, and inexplicable, population growth rate. This growth rate error, which was encountered in the previous censuses, was a result of imaginary population because of certain municipalities and local territories had too high growth rates when compared to the

previous projection values that could not be explained. Due to the imaginary population effect, an overcount of approximately 3.6 residents was discovered. The official population size was reduced from the initial total population as a result of a comprehensive inspection study on imaginary population (Canpolat 2003).

All of these factors mean that, although reliability of data for population projections are so important, data of the population censuses before ABPRS may have include errors and may not be reliable when making very consistent population projections.

In this study, 2000 Census Internal Migration Statistics data will be used for the information about in and out migrant sizes of the provinces, regions and Turkey as a whole due to insufficiency of any other data sources for internal migration statistics except ASPRS results. The data, in detail of sex and percent distributions of age groups, will be process for calculation of net migration sizes of the all allocation units. Internal migration data of the census were asked for five years period. It will be revised to a usable form. These calculation processes will be executed, but won't be used for projections. The operation will only be used for evaluation of calculated net migration values of the 2007-2008 ABPRS Internal Migration data and also will be used for comparison with the calculated net migration values from 2000 Census Internal Migration Statistics data.

The data of 1990 and 2000 Censuses will be also used for calculation and estimation of past and future trends of urbanization and urban percent values of all provinces, regions and Turkey total population sizes with the contribution of urban percent values of all of those allocation units from the data of 2007 and 2008 ABPRS.

In addition, provincial TFR (total fertility rate) estimations of 2000 Census data will also be used for provincial trend calculation TFR values and estimations for the future trends.

4.1.3. Turkey Demographic and Health Surveys of 1993, 1998, 2003 and 2008

The supplementary data sources of this study are four demographic surveys: the 1993 Turkey Demographic and Health Survey (TDHS-1993), the 1998 Turkey Demographic and Health Survey (TDHS-1998), the 2003 Turkey Demographic and Health Survey (TDHS-2003) and the 2008 Turkey Demographic and Health Survey (TDHS-2008). These demographic surveys are part of the worldwide Demographic and Health Survey Program (MEASURE DHS +)¹, which involves over 75 countries and aims to expand the international population and health data base. This project is supported by the United States Agency for International Development. (HIPS 1999)

International MEASURE DHS+ Survey Project model questionnaires and were employed in previous Turkish population and health surveys.

These surveys have been executed by Hacettepe University- Institute of Population Studies since 1968, as regular quinquennial surveys on demography and health in Turkey and its sub-regions. Statistically sufficient vital registration systems, which present updated estimations of certain demographic indicators, are not available in Turkey yet. Population censuses do not provide detailed data about universal demographic indicators. The new population registration system “ABPRS” have not been updated to include demographic estimations yet. In these conditions, the main aim of these surveys is to allow to procurement of the prime demographic data source for Turkey and its sub-regions. This data source is made to keep the

¹ DHS is based on data collection options that can be shaped to fit specific monitoring and evaluation requirements of countries. Learn more: (<http://www.measuredhs.com/aboutsurveys/start.cfm>)

flowing of scientific information and to provide continuousness of demographic and health data that is needed for sustainable development.

TDHS-1993, TDHS-1998, TDHS-2003 and TDHS-2008 which were executed in every five years in the coverage of DHS are nationally and regionally representative sample surveys of Turkish women designed to collect information about the characteristics of the population, fertility, family planning, abortion and stillbirths, infant and child mortality, maternal child health and infant feeding, maternal and childhood nutrition, marriage patterns and reproductive health. These types of information always have been necessary for administrators, organizations on development planning, policy and decision-makers.

Sample designs of the Turkey Demographic and Health Surveys (TDHS) are complex: A weighted, multistage and stratified cluster sampling approach is used in all of the surveys. Stratification is required to improve representativity of the sample. It is needed to guarantee the geographical spread of the sample units and to allow for calculation and analyses of indicators at the level of the strata (HIPS 2005; Adalı 2007:4).

4.1.3.1 Turkey Demographic and Health Survey 1993 (TDHS-1993)

TDHS-1993 was carried out with 8,619 households and 6,519 women of reproductive age (15-49 age groups). Estimations of the calculated demographic indicators are representative for Turkey in total and 5 demographic regions in urban/rural detail. These regions are West, South, Central, North, and East which have been used for the history of TDHS in Turkey (HIPS 1994).

In this survey, the 5 main regions of Turkey were divided into a total of 14 sub regions, which all contain urban and rural regions within. Thus the sample of the TDHS-1993 was made up of 28 strata (HIPS 1994; Adalı 2007:5). Cluster size was

20 households for all types of residence. The urban and rural frames of the survey were obtained from the 1985 and 1990 General Population Censuses.

Two types of questionnaires were designed and used in TDHS-1993 Field Study: Household Questionnaire and Questionnaire for Ever-Married Women at Reproductive Ages (15-49 age groups). The Household Questionnaire was used to enumerate all usual members of and visitors to the selected households and to collect the related information about the socio-economic position of the households (HIPS 1994).

4.1.3.2 Turkey Demographic and Health Survey 1998 (TDHS-1998)

TDHS-1998 is also a nationally and regionally (5 regions) representative survey that allows analysis at rural/urban level, like the other demographic surveys. In TDHS-1998, the urban sampling framework has been formed by a combination of all settlements with a population over 10.000 regardless of their administrative status. The rural sampling framework consists of all the settlements outside the urban settlements. Sample size of the TDHS-1998 is 10.000 selected households, was based on the provisional results of the 1997 Population Count.

In the TDHS-1998, the five main regions of Turkey were divided into a total of 14 sub regions, which all contain urban and rural regions within. Thus the sample of the TDHS-1998 was made up of 28 strata, like TDHS 1993 (HIPS 1994; Adalı 2007:5). 25 households were selected for urban segments and 15 were selected for rural ones. It was carried out with 8,059 households, 8,576 women and 1,971 husbands (HIPS 1999).

TDHS-1998 is a household survey that targets to observe and calculate the demographic indicators for fertility, family planning methods, abortions, stillbirths, infant and child mortality, nutrition of children and mothers, knowledge of AIDS and

sexually transmitted diseases, especially AIDS. Four types of questionnaires were designed and used in TDHS-1998 Field Study: Household Questionnaire, Questionnaire for Ever-Married Women at Reproductive Ages (15-49 age groups), Questionnaire for Never-Married Women and Questionnaire for Husbands. This survey was conducted due to a consensus with Macro International Inc. by the support of the MEASURE DHS + Program (HIPS 1999). TDHS-1998 was implemented between August and November 1998.

The principal aim of TDHS-1998 was to contribute to the decision-makers who evaluate the process of the existing programs, who design new strategies for improvement of the demographic, social and health policies of Turkey. The other objective was to provide a database for flow of information about the Turkish demographic structure in the absence of sufficient vital registration systems. It uncovers the continuity of the necessary demographic and health information which is indispensable for sustainable development (HIPS 1999).

4.1.3.3 Turkey Demographic and Health Survey 2003 (TDHS-2003)

TDHS-2003 was conducted in collaboration with the General Directorate of Mother and Child Health/Family Planning, Ministry of Health. The survey was co-financed by funds provided of State Planning Organization and by the European Union within the frame of “Turkey Reproductive Health Program” (HIPS 2005).

In TDHS-2003 field study, 10,836 households with 8,075 reproductive age women were interviewed in this survey. Two questionnaires, Household Questionnaire and Questionnaire for Ever-married women at reproductive age, were used in TDHS-2003. In the household questionnaire, list of the household members was taken to determine the “de jure” population of the survey and to identify the eligible women for the individual interview. Basic socio-economic information about each member

of the household including some properties and facilities of the house were also obtained with this questionnaire (HIPS 2004; Demirci 2008).

The individual questionnaire was applied to ever-married women under age 50 and covered detailed information on birth history, fertility regulation, fertility preferences and marital history as well as some background characteristics like age, birthplace, level of education, etc (HIPS 2004; Demirci 2008).

TDHS-2003 is the 8th Demographic and Health Survey in Turkey, and differs from the previous two surveys in some aspects. In 2002, new statistical regions which would have been used as territorial units for statistical surveys were defined in Turkey, according to European Union Criteria. TDHS-2003 is representative for the estimations at national level, rural/urban areas and for the 5 regions (West, South, Central, North, and East), like the previous ones. But the survey was also designed, planned and organized for making estimations extra two NUTS (The Nomenclature of Territorial Units for Statistics) 1 level statistical regions: İstanbul and Southeast Anatolia.

NUTS (The Nomenclature of Territorial Units for Statistics) regions have been adopted in Turkey since 2002 due to the regional classification of the European Union by statistical methods, according to the Law 2002/4720. The statistical territorial division process of Turkey had been carried out by the collaboration of State Institute of Statistics and State Planning Organization.

According to the NUTS System, 81 provinces are NUTS-3 level regions. 26 NUTS-2 regions are generated by merging the NUTS-3 regions due to geographically adjacency of the provinces and the statistical model which is predicated by demographic and developmental indicators of the territorial units. 12 NUTS-1 regions are also constituted by merging the NUTS-2 regions due to the same method.

TDHS-2003 survey also provides estimations for some of the survey subjects at all 12 NUTS-1 statistical regions level (TDHS 2005).

İstanbul, which is a NUTS-1 level region, had an important position in all stages of TDHS-2003. The survey was a part of the international slum survey of UN-HABITAT. So that it had influenced nearly all section of the survey such as stratification, sample allocation, sample selection, and questionnaire development (Demirci 2008). In the sample design process, a special attention was given for İstanbul. The region is designated by UN-HABITAT as one of the mega-cities in their International Slum Survey series. Total sample size of İstanbul was kept large to provide estimates and analyses for slum and non-slum areas within İstanbul. The term “slum” is used to refer to irregularly formed/developed housing areas, irrespective of whether they are subsequently regularized or not (Demirci 2008).

The total sample size of TDHS-2003 was nearly 30 percent larger than the sample size of TDHS-1998 (Demirci 2008). A weighted, multistage, stratified cluster sampling approach has been adopted in the sample selection of TDHS-2003 (HIPS 2005). The sample was allocated within the five regions. That was similar to the previous TDH surveys. But, İstanbul and Southeast Anatolia needed to be over-sampled. A minimum number of households were aimed for the NUTS-1 regions, so the overall allocation differed in this survey; the West and East regions had larger shares. This survey gives information on 12 NUTS-1 regions, the five regions, urban/rural areas, metropolitan areas, earthquake areas, slum/non-slum areas of İstanbul and Southeast Anatolia were given special attention. A total of 40 strata were formed as a result (Adalı 2007). 25 households were selected for urban segments and 15 were selected for rural ones. 12 households were selected from the slum and non-slum segments of İstanbul (Adalı 2007).

The aim of TDHS-2003 is providing information about the demographic characteristics of household population and the respondents, fertility, family planning, induced abortion, infant and child mortality, maternal and child health, nutrition and knowledge of HIV/AIDS. Discrimination and definition of urban/rural areas is similar with the methodology of TDHS-1998. Initial information about the settlements for population distribution and discrimination of the cluster weights was obtained from the results of the 2000 Population Census (HIPS 2005).

4.1.3.4 Turkey Demographic and Health Survey 2008 (TDHS-2008)

TDHS-2008, which is the 9th of quinquennial demographic surveys that have been carried out by HIPS since 1968, is methodologically similar with TDHS-2003. This survey was conducted in collaboration with the General Directorate of Mother and Child Health/Family Planning, Ministry of Health. The survey was co-financed by funds provided of Turkey Scientific and Technological Researches Institute (TÜBİTAK) within the frame of “Supporting Program for the Public Institutions Researches and Development Projects” (HIPS 2009).

TDHS-2008 data has also comparable character with the all previous TDH surveys data and international Demographic and Health Surveys (MEASURE DHS +), like the other TDH surveys.

TDHS-2008 has totally 13,521 households which were selected by statistical sampling methods and ABPRS and National Address Database were used as sample frame. In TDHS-2008 field study, 10,525 households and 7,405 women, who were in their reproductive ages, were interviewed in this survey. Two questionnaires, Household Questionnaire and Questionnaire for Ever-married women at reproductive ages, were applied in TDHS-2008, like TDHS-2003. This survey is representative for the estimations at national level, rural/urban areas and for the 5 regions (West, South, Central, North, and East). The survey was designed, planned and organized for

making estimations in two extra NUTS-1 level statistical regions; İstanbul and Southeast Anatolia, as occurred in TDHS-2003.

The aim of TDHS-2008 was providing information about the demographic characteristics of household population and the respondents, fertility, family planning, induced abortion, infant and child mortality, maternal and child health, nutrition, migration history, marriage history, vaccination, employment of women, status of women, anthropometric measurement of women and children, knowledge of HIV/AIDS.

4.1.3.5 Relationship of the Study and the Turkey Demographic and Health Surveys

Table 4.1.3.5.1 Summary of the questionnaire types and number of interviews in the TDHS

Survey	Types of Questionnaires Used and Number of Interviews			
	Household	Ever-Married Women	Never-Married Women	Husband
1993	8619	6519	NA**	NA**
1998	8059	6152	2424	1971
2003	10863	8075	4208*	NA**
2008	10525	7405	NA**	NA**

Source: TDHS 1993, 1998 and 2003, HIPS.

*The number of women interviewed using the never-married women module of TDHS 2003.

** Not available.

In this study, these four TDHS results will be used for calculation and interpretation of regional past trends and projection of these trends to the future for:

- TFR (Total Fertility Rate) values of the regions and Turkey total from the four TDH surveys,

- IMR (Infant Mortality Rate) values of the regions and Turkey total from the four TDH surveys,
- Percent distribution of ASFR (Age-Specific Fertility Rate) values of the regions and Turkey total from the four TDH surveys.
- Birth registration ratios of the regions and Turkey total from TDHS-2008.

4.1.4. United Nations- World Population Prospects (2008 Revision)

Some assumptions about Turkey from database of United Nations World Population Prospects- 2008 Revision¹ will be used as comparison and as assumptions in some cases, in this study.

World Population Prospects has been published irregularly since 1951, and provides population estimates and projections for many countries and for the world. The database is made by United Nations – Department of Economic and Social Affairs² – Population Division³.

The mission of The Population Division is monitoring and appraisal of the broad range of areas in the field of population. That unit:

- provides support and servicing of such intergovernmental bodies as the Commission on Population and Development
- supports the implementation of the recommendations in the “Program of Action” adopted by the International Conference on Population and Development.

¹ For details, visit: <http://www.un.org/unpp/> (Last visited on:7th May 2009)

² For details, visit: <http://www.un.org/esa/desa/> (Last visited on:7th May 2009)

³ For details, visit: <http://www.un.org/esa/population/> (Last visited on:7th May 2009)

- facilitates access by Governments to information on population trends and their interrelationships with social and economic development. The official United Nations demographic estimates and projections are prepared for all countries and areas of the world, as well as urban and rural areas and major cities. International migration, infant, child and maternal mortality and increased adult mortality in some regions, as well as the demographic impact of AIDS, are critical emerging issues that are also addressed.
- contributes to the capacity building of Member States to formulate national population and related policies and programs.
- improves the institutional capabilities of Governments for the collection, analysis and distribution of national population information.
- enhances coordination and cooperation among the organizations of the United Nations system through the Administrative Consultative Committee Subcommittee on Demographic Estimates and Projections.
- distributes electronic demographic information in response to requests and to support coordination among the United Nations entities in the field of population.

4.1.4.1 Data Sources of United Nations-World Population Prospects for Turkey (2008 Revision)

Total population (2007): *“Estimated to be consistent with the 2000 census and with estimates of the subsequent trends in fertility, mortality and international migration. The Address Based Population Registration System Population Census 2007 and 2008 were also considered. Reported figures appear to be under numerated when compared to cohort patterns in previous censuses.”*
(<http://esa.un.org/wpp/sources/country.aspx>)

Total fertility: *“Based on maternity-history data from the 1993, 1998 and 2003 Turkey DHS, and on official estimates of total fertility from the Turkish Institute of Statistics through 2007.”* (<http://esa.un.org/wpp/sources/country.aspx>)

Infant and child mortality: *“Based on: (a) maternity-history data from the 1993, 1998 and 2003 Turkey DHS, and (b) official estimates from the Turkish Institute of Statistics and UNICEF through 2007”.* (<http://esa.un.org/wpp/sources/country.aspx>)

Life expectancy at birth: *“Based on official estimates for 1995-2007 from the Turkish Institute of Statistics. The age pattern of mortality conforms to the East model of the Coale-Demeny Model Life Tables.”* (<http://esa.un.org/wpp/sources/country.aspx>)

International migration: *“Based on: (a) data on the migration of Turks to and from European countries and the overseas countries of immigration, (b) estimates of the migration to Turkey, and (c) refugees statistics compiled by UNHCR. Estimates from the Council of Europe were also considered.”* (<http://esa.un.org/wpp/sources/country.aspx>)

In this study, UN-World Population Prospects 2008 Revision assumptions and variants for Turkey will be used to calculate and to interpret the regional past trends and forward projection of these trends to the future for:

- TFR (Total Fertility Rate) assumptions and variants for Turkey,
- Percent distribution of ASFR (Age-Specific Fertility Rate) assumptions and variants for Turkey.

These assumptions and trends will be used regionally and in some cases provincially for making assumptions about TFR trends and percent distribution of

ASFR toward the future where new assumptions will be needed for some cases, excepting consistent calculated TFR trends from TDHS values. Trend assumptions and the ending value variants of UN-WPP won't be used for all provinces and regions. These values will be needed for the cases which have no plausible and rational TFR trends of TDHS data. All of the three variants (High Variant, Medium Variant and Low Variant) will be used for comparison and comments as a consultant source.

4.1.5. Life Tables

Sometimes, researchers have some data, but not quite enough to make a full life table for usage of vital estimations of the members of the population. A life table is designed fundamentally for the measurement of mortality, but it can be employed in a various ways. Life tables are frequently used in demography, public health studies, actuarial estimation, economic studies and many other studies. They can also be used in studies of longevity, fertility, migration and population growth, projections of population size and characteristics, studies in widowhood, orphanhood, length of married life, length of working life and length of disability-free life. (Siegel and Swanson 2004:301)

Life tables are statistical tables that summarize a population's mortality characteristics. They are one form of combining mortality rates of a population at different ages into a single statistical model. They reflect the effects of age distribution of mortality of an actual population.

Life tables provide a summary description of the effects of age-specific mortality rates (ASMR) upon a birth cohort (UN 1982). Simply, an entire life table is generated from age-specific mortality rates and the results are used in the measurement of mortality figures, survivorship, and life expectancy (Siegel and Swanson 2004:301). Life tables differ in several ways according to the reference

year, the age detail, and the number of factors included in the table. Two types of life tables can be distinguished according to the reference year of the table:

- Current or period life table
- Generation or cohort life table.

The first type of life tables are based on the concept that over a short period of time (1 year, 3 years etc.), or an intercensal period that mortality has remained substantially the same in. These tables represent the combined mortality experience by age of the population in a particular short period of time synthetically or cross-sectionally. They do not represent the mortality experience of an actual cohort and are a summary description of mortality in a year or a short period. A current life table may be viewed as an instantaneous photograph of current mortality. (Siegel and Swanson 2004:301)

The second type of life tables are based on the mortality rates experienced by a particular birth cohort. The mortality experience of the persons in the cohort would be observed from their moment of birth through each calendar year until all of them die. These tables are useful for projections of mortality, for studies of mortality trends, and for the measurement of fertility and reproductivity. (Siegel and Swanson 2004:301)

If life tables are not available for a particular country, *model life tables* are used to obtain survival rates. *Model life tables* have been developed by authorities and institutions on demography, for facilitating the estimation process.

The early demographic models attempted to describe in mathematical form the variations of mortality with age, particularly the increase in the risk of dying after childhood. It was difficult to reproduce the characteristic U or J shape of mortality rates by age (UN 1982).

This difficulty led to a new approach in creating mortality models or model life tables. Instead of trying to relate the risk of dying solely to age, risks at a given age were related to the risks observed at other ages or to risks observed in other populations at similar ages (UN 1982). Most of the model life tables depend on empirical data.

Model life table construction involves three general steps

- Gather many high quality life tables
- Use Multivariate Analysis Techniques (e.g., PCA) to find clusters
- Combine them to provide a standard

There are a variety of model life table systems:

- United Nations Life Tables (1958, 1982)
- Coale-Demeny Regional Life Tables (1966, 1983)
- Ledermann's System of Model Life Tables
- United Nations Model Life Tables for Developing Countries

At least four systems of model life tables have been developed for the users that are deemed feasible on the basis of examination of mortality risks calculated for actual populations. These systems are described below.

4.1.5.1 United Nations Life Tables

During the 1950s, a set of model life tables was developed by the Population Division of the United Nations Secretariat. This set, subsequently published in a revised form is based on a collection of 158 observed life tables for each sex (UN 1982). These 158 tables were selected from the life tables of different countries which are dispersed to all over the world and represent all mortality levels that could

be possible in the world (Gürtan 1969). The UN Model life tables have five model age-patterns of mortality: Latin American, Chilean, South Asian, Far Eastern and a General Pattern. For details about these models refer to Manual X (UNDIESA 1983).

The tables are ordered according to the mortality levels from higher to lower. Life expectancy level starts with 20 years and ends with 73,9 years (Can 2000).

4.1.5.2 Coale-Demeny Regional Life Tables

Coale-Demeny Life Tables were developed in 1966. It is consisted of 326 male and 326 female actual life tables. According to Coale-Demeny life tables, mortality was calculated due to four geographical regions: East, West, North and South (Can 2000). These life tables heavily weighted towards Western experiences.

Europe, Northern America, Australia and New Zealand, Israel, Japan, Taiwan and the white populations of South Africa contributed a total of 192 tables which were chosen for inclusion from an original set of 326 tables (UN 1982).

The Coale & Demeny is broken down into 4 “Regional” Models: North, South, East, and West.

North: It is based on nine life tables from Sweden (1851-1890), Norway (1856-1880 and 1946-1955) and Iceland (1941-1950). The characteristic of this table is low infant mortality and above 50 age mortality.

The populations exhibiting that mortality pattern were very probably subject to endemic tuberculosis. So, this model is recommended as an adequate representation of mortality in populations where the incidence of this disease is high (UN 1982).

South: This model is based on life tables for Spain, Portugal, Southern Italy, covering a period from 1876 to 1957. 22 tables were used during the generation process of this model. The mortality pattern is characterized by high mortality under age 5, low mortality from about age 40 to age 60, and high mortality over age 65 (UN 1982).

East: The model is based on life tables of Austria, Germany (before 1900), the Federal Republic of Germany (after the Second World War), Hungary, Poland, Northern and Central Italy. When the pattern of these tables is compared with the standard pattern, their deviations from the standard follow a U shape. The mortality pattern is characterized by high mortality rates in infancy and at older ages (over age 50). 31 tables were used to estimate this model. The life expectancy in those tables ranges from a low of 36.6 years to 72.3 years (UN 1982).

West: This model is based on the tables which are not used in the derivation of the other regional sets. Their mortality patterns do not deviate systematically from the standard pattern. This model is derived from the largest number and broadest variety of cases; it is believed to represent the most general mortality pattern.

The West model is often recommended as a first choice to represent mortality in countries where lack of evidence prevents a more appropriate choice of model. It is of interest that the age pattern exhibited by the West model is very similar to that of the earlier UN life tables. Life expectancy in these tables ranges from 38.6 years to 75.2 years.

4.1.5.3 Ledermann's System of Model Life Tables

Ledermann and Breas used factor analysis to identify the most important variables or factors explaining the 154 observed life tables. The data base was nearly

identical to that used for the earlier United Nations tables and had the similar advantages and shortcomings (UN 1982).

4.1.5.4 United Nations Model Life Tables for Developing Countries

The Population Division of the Department of International Economic and Social Affairs of the United Nations Secretariat prepared and published a set of model life tables based on data from developing countries.

This database consists of 36 life tables for males and 36 life table for females, in total 72, covering a wide range of mortality levels. The life tables included the countries of Latin America, Asia and Africa (UN 1982; Can 2000).

These tables are similar to the Coale-Demeny set in that distinct patterns of age-specific mortality schedules have been identified and are published in detail (UN 1982).

Four patterns of mortality were identified on the basis of the data available. They are identified in regional terms as the "Latin American", the "Chilean", the "South Asian" and the "Far Eastern" patterns. A fifth pattern, called the "general" pattern, was constructed as the overall average of those (UN 1982).

Latin American: This model has high infant, child and adult mortality.

Chilean: This model has high infant mortality.

South Asian: It has high mortality levels for under 15 years and over 55 years. But there is lower adult mortality.

Far Eastern: There is high mortality in old age groups, especially for males.

General: This model is very similar to Coale-Demeny West model.

In this study, Coale-Demeny Life Tables will be used for all population projections.

4.2. METHODOLOGICAL FRAMEWORK

4.2.1. Research Questions of the Study

To achieve the purposes of this thesis, the main research questions can be summarized as:

Main question:

- What will be the demographic structure of Turkey until 2023, the centenary of the Republic, at national, regional and provincial levels?

Other questions:

- Can regional and provincial population projections be made for Turkey?
- What will be the population sizes, age-sex distributions, other demographic indicators of all provinces, regions and Turkey in total by single years until 2023, and what will be the differences between them?
- What are the causes of the difference between demographic indicators of regions and provinces and the projected values of these indicators?
- Can new projections be made for all provinces, demographic and statistical regions of Turkey with a new database (ABPRS), with new

software “*Spectrum-DemProj 4*” which differs from the official software of TurkStat that is named as “FIVFIV” for single years up to centenary of the Republic, until 2023?

- Which panel and which cross-sectional differences will be observed in:
 - The results of new projections due to time?
 - Between the results of provincial and regional totals and results of Turkey’s total projections?
 - Between all of these results, which include total values of provincial projections, total values of regional projections, values of Turkey national projections and the updated official ABPRS based projections of TurkStat?

4.2.2. Hypotheses

The hypotheses of the study:

Main hypothesis:

- Total population sizes of provincial, regional and national based new projections which will be designed by usage of consistent demographic data and trend assumptions will not differ greatly from the official projections of TurkStat which are nation based.

Other hypotheses:

- There will be positive improvements in developmental indicators like life expectancy and TFR, but differences between the regional demographic indicators and structures will deepen.
- Urbanization ratios will be increased at provincial, regional and national levels.

4.2.3. Description of the Software

The software that is chosen for making population projection in the coverage of this study is: *Demproj 4- Spectrum*. As briefly defined in the previous chapters, it is used internationally by many institutions in various countries. It is a policy modeling system and contains modules for a number of reproductive health areas.

DemProj was first produced in 1980 and it has been used by a large number of users, and is designed to produce information useful for policy formulation and dialogue within a framework of easy-to-use computer programs (Stover 2007:5). It has been updated from time to time in response to comments and suggestions from users. So, DemProj 4 incorporates a number of new features in response to these comments (Stover 2007:5).

The previous computer models are consolidated into an integrated package by the Spectrum Policy Modeling System (Stover 2007:1). This package contains the components:

- DemProj → demographic projections
- FamPlan → project family planning requirements
- Benefit-Cost → cost of the family planning programs
- AIM → for the epidemiological projections
- RAPID → socio-economic impacts of high fertility and population growth. Projections of labor force, education, health, urbanization etc.
- NewGen → adolescent reproductive health
- PMTCT → prevention of mother-to-child transmission

Spectrum is a Windows-based system. Demproj module will be used in this study, according to its demographic coverage. It is a computer program for making population projections for countries and regions. It requires information on the

number of people by age and sex distribution in the base year, future assumptions about the total fertility rate (TFR), the age distribution of fertility, life expectancy at birth by sex, the most appropriate model life table, and the magnitude and pattern of international migration. The size of the urban and rural populations can be also estimated. Linking DemProj with other modules in Spectrum makes it possible to examine the demographic impact of the other components.

4.2.4. Variables of the Study

4.2.4.1. Input Variables

Spectrum software has some demographic data and assumption requirements for a user-based projection. Otherwise, there are many options for visualization of projection or the assumptions of the software own.

For a population projection which is based on concrete-numbers, the data and indicators must be entered in keyboard with their necessary assumptions. The basic articles are:

- *First Year Population* that is detailed in urban-rural, sex, and 5 years age-groups ending with “80+” age group and also in the age-corrected form. Age correction chosen by the user.
- *TFR* and its numerical annual values that are due to assumptions of the user until last year of the period,
- *Age distribution of fertility (%)*: Percent distribution of ASFR of “15-49” reproductive age groups and its assumptions for every year, until the last year of the period,
- *Sex ratio at birth*: Birth ratio (male births per female births),
- *Regional assumptions*: Percent urban value and its annual future assumptions until the last year of the period,

- *International (and also Internal)¹ Migration*: Total net migrants per year as annual values and percent age-sex distribution in the detail of:
 - *Percent distribution of male migrants by age*
 - *Percent distribution of female migrants by age*
- *Model life table*: Model life tables of Coale-Demeny and United Nations,
- *Life expectancy*: Life expectancies of the two sexes and their future assumptions until the last year of the period

The design of data process before the application of *Spectrum* software and analysis of the data for input variables that are briefly defined above will be described below in a detailed way with an example of “06-Ankara” province. 06-Ankara example is chosen because of its special as the capital city of Turkey, being the second biggest province after 34-İstanbul (and also TR1-İstanbul as a NUTS-1 region) in the order of provinces about population sizes and presence of the HIPS in its borders of metropolitan area.

First Year Population: This information is acquired from ABPRS 2008 updated database of TurkStat by official data request process from Information Dispensation Team and Population and Migration Statistics Team. Regional birth-registration data of TDHS-2008 data will be used for the correction of age-distributions of the original data which is procured from TurkStat.

Provincial population sizes and sex, age-group, urban-rural, distributions are acquired for all of the 81 provinces which are also NUTS-3 level regions, 5 demographic regions of TDHS, 12 NUTS-1 regions and Turkey as a whole. Only 2008 database will be used for this input.

¹ The software is designed for usually usage for national population projections and this tab is used for data entry of international migration indicators of the countries. But in this study, this tab will be used for internal migration values of provinces and regions.

Table.4.2.4.1.1 shows the original population size and age-sex distribution data of 06-Ankara which was obtained from TurkStat 2008 ABPRS database with all of the units that will be used in the population projection process.

Table 4.2.4.1.1 Population size and age-sex distribution of 06-Ankara from ABPRS 2008

Age Groups	Total Population <i>Ankara</i>		Males <i>Ankara</i>		Females <i>Ankara</i>	
	Total	Urban	Total	Urban	Total	Urban
Total	4548939	4313667	2267779	2151103	2281160	2162564
<i>0-4</i>	331158	316546	170385	162779	160773	153767
<i>5-9</i>	345329	328783	177231	168745	168098	160038
<i>10-14</i>	357559	339532	183662	174628	173897	164904
<i>15-19</i>	354576	336025	180693	171323	173883	164702
<i>20-24</i>	419914	403334	217103	208722	202811	194612
<i>25-29</i>	431961	415017	215498	206562	216463	208455
<i>30-34</i>	398132	382700	198024	190121	200108	192579
<i>35-39</i>	373252	357252	183815	175773	189437	181479
<i>40-44</i>	342467	326760	169875	161868	172592	164892
<i>45-49</i>	310853	295042	155106	147227	155747	147815
<i>50-54</i>	257265	242841	128826	121682	128439	121159
<i>55-59</i>	195046	181556	96573	90121	98473	91435
<i>60-64</i>	140901	129750	66889	61768	74012	67982
<i>65-69</i>	104618	94239	47847	43102	56771	51137
<i>70-74</i>	74064	65707	31947	28271	42117	37436
<i>75-79</i>	62950	55135	27066	23359	35884	31776
<i>80+</i>	48894	43448	17239	15052	31655	28396

Source: ABPRS 2008, TurkStat

In this study, age correction process will be first used to correct the 0-4 age group population by using the TDHS-2008 regional birth register ratios in NUTS-1 level. Each province is assumed to be having the same registration ratio value of its NUTS-1 region.

Table 4.2.4.1.2 Birth-Registration data of 0-4 age group from TDHS-2008 at levels of Turkey total, 5 demographic regions and 12 NUTS-1 regions.

		Birth Registration				
	Region	Yes	No	Total	Ratio	%
00	<i>Turkey</i>	3256	160	3416	0.953162	95.31
01	West	1117	48	1165	0.958798	95.87
02	South	423	11	434	0.974654	97.46
03	Central	714	17	731	0.976744	97.67
04	North	190	6	196	0.969388	96.93
05	East	813	78	891	0.912458	91.24
TR1	İstanbul	518	26	544	0.952206	95.22
TR2	West Marmara	87	87	87	1	100
TR3	Aegean	401	18	419	0.957041	95.70
TR4	East Marmara	273	5	278	0.982014	98.20
TR5	West Anatolia	330	9	339	0.973451	97.34
TR6	Mediterranean	423	11	434	0.974654	97.46
TR7	Central Anatolia	169	4	173	0.976879	97.68
TR8	West Black Sea	164	7	171	0.959064	95.90
TR9	East Black Sea	76	2	78	0.974359	97.43
TRA	Northeast Anatolia	114	13	127	0.897638	89.76
TRB	Central East Anatolia	217	22	239	0.90795	90.79
TRC	Southeast Anatolia	482	43	525	0.918095	91.80

Source: TDHS-2008, HIPS

This data is obtained from TDHS-2008, which has the most updated data about this issue, from HIPS. It is both at 5 demographic regions and NUTS-1 level regions.

Therefore ABPRS is a de-jure data collection system and based on TR-ID numbers of the citizens. The data is built on the official population registers. The citizens who do not have identity cards are not included in the system. There is always deficiency in registration ratios of 0-4 age-group and it is not equal to 1.00 or %100; however the ratios are rising yearly. So the age-correction operation will be firstly applied to only 0-4 age group. The assumption is that there are certain and separate ratios about birth registration in all of the regions. Birth registration ratios of

the provinces will be assumed as equal to the regional value, especially more representative and proximate values for the provinces, values of NUTS-1 regions.

ABPRS data is a very reliable source for population size and age-sex distribution. The only deficient side of the system is being strengthened by another reliable and updated source: TDHS-2008. Thus, initial population distribution values of the population units which will be projected, will be prepared using this strong method.

In this method it is assumed that, population sizes of 0-4 age groups in ABPRS data are numerically lower than the real numbers of the population, which include alive and non-registered infants and children. Population sizes of 0-4 age groups will be raised up insofar as the quantities of the correction coefficients that will be calculated by division of the population sizes of 0-4 age groups to the regional registration ratio values. Total population sizes of the projection units will also rise, but this is not a desirable case.

The total values must stay constant for the projection process. A second correction operation will be applied for this issue. The difference in the growth in population size will be distributed to the all age groups as the rational weighted values of the all age-groups.

It means the birth registrations of *TR5-West Anatolia* region and *03-Central* region are related with the first year population calculation process of *06-Ankara*:

- Birth registration ratio of *03-Central* region: **0.9767442** (% 97.6744)
- Birth registration ratio of *TR5-West Anatolia*: **0.9734513** (% 97.345)

The second one, ratio of *TR5-West Anatolia* will be used for correction. 0-4 age group size is **331158** for *06-Ankara*.

$331158 / 0.9734513 = 340190$ (as an integer-data)

0-4 age group size of 06-Ankara becomes to 340190 individuals, after the first correction process, which is a division operation.

The result after the second correction process of Ankara, which is a weighted-distribution operation of the over plus value of population size, is shown in Table.4.2.4.1.3.

Table4.2.4.1.3 Population size and age-sex distribution of 06-Ankara from ABPRS 2008

Age Groups	Total Population <i>Ankara</i>		Males <i>Ankara</i>		Females <i>Ankara</i>	
	Total	Urban	Total	Urban	Total	Urban
	4548939	4313667	2267779	2151103	2281160	2162564
<i>0-4</i>	339515	324530	174674	166874	164841	157655
<i>5-9</i>	344645	328126	176869	168397	167776	159728
<i>10-14</i>	356850	338854	183286	174268	173563	164585
<i>15-19</i>	353873	335354	180324	170970	173549	164383
<i>20-24</i>	419082	402528	216659	208292	202422	194235
<i>25-29</i>	431105	414188	215057	206137	216048	208052
<i>30-34</i>	397343	381936	197619	189729	199724	192206
<i>35-39</i>	372512	356538	183439	175411	189074	181128
<i>40-44</i>	341788	326107	169528	161535	172261	164573
<i>45-49</i>	310237	294453	154789	146924	155448	147529
<i>50-54</i>	256755	242356	128563	121431	128193	120925
<i>55-59</i>	194660	181193	96376	89935	98284	91258
<i>60-64</i>	140622	129491	66752	61641	73870	67850
<i>65-69</i>	104411	94051	47749	43013	56662	51038
<i>70-74</i>	73917	65576	31882	28213	42036	37364
<i>75-79</i>	62825	55025	27011	23311	35815	31714
<i>80+</i>	48797	43361	17204	15021	31594	28341

Source: Author's calculations.

All values of the previous table, except of the total values, have been changed in this correction operation. If this operation is not done, the total values would be changed, but age groups would not be changed except the 0-4 group.

The suitable format of the Table 4.2.4.1.3 for the software is shown in Table 4.2.4.1.4.

Table 4.2.4.1.4 Population size and age-sex distribution of 06-Ankara for the software

Age Groups	Total (Males)	Total (Females)	Urban (Males)	Urban (Females)
<i>0-4</i>	174674	164841	166874	157655
<i>5-9</i>	176869	167776	168397	159728
<i>10-14</i>	183286	173563	174268	164585
<i>15-19</i>	180324	173549	170970	164383
<i>20-24</i>	216659	202422	208292	194235
<i>25-29</i>	215057	216048	206137	208052
<i>30-34</i>	197619	199724	189729	192206
<i>35-39</i>	183439	189074	175411	181128
<i>40-44</i>	169528	172261	161535	164573
<i>45-49</i>	154789	155448	146924	147529
<i>50-54</i>	128563	128193	121431	120925
<i>55-59</i>	96376	98284	89935	91258
<i>60-64</i>	66752	73870	61641	67850
<i>65-69</i>	47749	56662	43013	51038
<i>70-74</i>	31882	42036	28213	37364
<i>75-79</i>	27011	35815	23311	31714
<i>80+</i>	17204	31594	15021	28341

TFR and its assumptions until the last year of the period: Data for this input has been acquired from the last four TDHS databases (TDHS-1993, TDHS-1998, TDHS-2003, TDHS-2008) for 5 regions level from HIPS and provincial values from 2000 General Population Census for every provinces.

The TFR estimations of the last four THDS and 2000-GPC are given in the tables below:

Table 4.2.4.1.5 National and regional TFR estimations of the last for TDHS

	TDHS 1993 1992* TFR	TDHS 1998 1997* TFR	TDHS 2003 2002* TFR	TDHS 2008 2008* TFR
West	2.00	2.03	1.88	1.73
South	2.40	2.55	2.3	2.09
Central	2.40	2.56	1.86	2.20
North	3.20	2.68	1.94	2.08
East	4.40	4.19	3.65	3.26
İstanbul	N/A**	N/A**	1.83	1.78
Southeast Anatolia	N/A**	N/A**	4.19	3.46
Urban	2.40	2.39	2.06	2.00
Rural	3.10	3.08	2.65	2.67
TURKEY	2.70	2.61	2.23	2.15

Source: TDH Surveys, HIPS.

*: TFR estimations of TDHS are representative for the last three years of period. Estimations are not given for the survey years; they represent the medium of the periods.

** : Not applicable.

The table above indicates that there are substantial variations in TFR by regions. Regional fertility levels are marked, ranging from a high of 3.26 births in the 05-East to a low of 1.73 births in the 01-West. All regions, except the 05-East and the 03-Central region, have TFRs below 2.10, known as replacement level of fertility. Fertility is below the replacement level of the fertility, with the exception of TR5-West Anatolia and the regions located in the eastern part of Turkey.

Table 4.2.4.1.6 National and provincial TFR estimations of 2000-GPC

Provinces	5 Regions	12 NUTS-1 Regions	TFR Values
00 Turkey	00 Turkey	(TR)-00 Turkey	2.53
01 Adana	02 South	(TR6)-06 Mediterranean	2.68
02 Adıyaman	05 East	(TRC)-12 Southeast Anatolia	3.66
03 Afyon	03 Central	(TR3)-03 Aegean	2.82
04 Ağrı	05 East	(TRA)-10 Northeast Anatolia	5.49
05 Amasya	03 Central	(TR8)-08 West Black Sea	2.34
06 Ankara	03 Central	(TR5)-05 West Anatolia	1.90
07 Antalya	02 South	(TR6)-06 Mediterranean	1.93
08 Artvin	04 North	(TR9)-09 East Black Sea	2.24
09 Aydın	01 West	(TR3)-03 Aegean	2.12
10 Balıkesir	01 West	(TR2)-02 West Marmara	1.95
11 Bilecik	03 Central	(TR4)-04 East Marmara	1.98
12 Bingöl	05 East	(TRB)-11 Central East Anatolia	3.56
13 Bitlis	05 East	(TRB)-11 Central East Anatolia	5.03
14 Bolu	03 Central	(TR4)-04 East Marmara	1.93
15 Burdur	02 South	(TR6)-06 Mediterranean	2.12
16 Bursa	01 West	(TR4)-04 East Marmara	1.98
17 Çanakkale	01 West	(TR2)-02 West Marmara	1.68
18 Çankırı	03 Central	(TR8)-08 West Black Sea	2.27
19 Çorum	03 Central	(TR8)-08 West Black Sea	2.66
20 Denizli	01 West	(TR3)-03 Aegean	2.19
21 Diyarbakır	05 East	(TRC)-12 Southeast Anatolia	4.51
22 Edirne	01 West	(TR2)-02 West Marmara	1.66
23 Elazığ	05 East	(TRB)-11 Central East Anatolia	2.52
24 Erzincan	05 East	(TRA)-10 Northeast Anatolia	2.54
25 Erzurum	05 East	(TRA)-10 Northeast Anatolia	3.51
26 Eskişehir	03 Central	(TR4)-04 East Marmara	1.74
27 Gaziantep	05 East	(TRC)-12 Southeast Anatolia	3.83
28 Giresun	04 North	(TR9)-09 East Black Sea	2.31

Source: 2000-General Population Census, SIS.

Table 4.2.4.1.6 National and provincial TFR estimations of 2000-GPC (cont)

Provinces	5 Regions	12 NUTS-1 Regions	TFR Values
29 Gümüşhane	04 North	(TR9)-09 East Black Sea	2.92
30 Hakkari	05 East	(TRB)-11 Central East Anatolia	6.69
31 Hatay	02 South	(TR6)-06 Mediterranean	2.97
32 Isparta	02 South	(TR6)-06 Mediterranean	2.04
33 İçel	02 South	(TR6)-06 Mediterranean	2.38
34 İstanbul	01 West	(TR1)-01 İstanbul	1.97
35 İzmir	01 West	(TR3)-03 Aegean	1.75
36 Kars	05 East	(TRA)-10 Northeast Anatolia	3.76
37 Kastamonu	04 North	(TR8)-08 West Black Sea	2.18
38 Kayseri	03 Central	(TR7)-07 Central Anatolia	2.62
39 Kırklareli	01 West	(TR2)-02 West Marmara	1.70
40 Kırşehir	03 Central	(TR7)-07 Central Anatolia	2.40
41 Kocaeli	01 West	(TR4)-04 East Marmara	2.13
42 Konya	03 Central	(TR5)-05 West Anatolia	3.00
43 Kütahya	03 Central	(TR3)-03 Aegean	2.19
44 Malatya	05 East	(TRB)-11 Central East Anatolia	2.56
45 Manisa	01 West	(TR3)-03 Aegean	2.14
46 Kahramanmaraş	02 South	(TR6)-06 Mediterranean	3.54
47 Mardin	05 East	(TRC)-12 Southeast Anatolia	4.98
48 Muğla	01 West	(TR3)-03 Aegean	1.94
49 Muş	05 East	(TRB)-11 Central East Anatolia	4.18
50 Nevşehir	03 Central	(TR7)-07 Central Anatolia	2.55
51 Niğde	03 Central	(TR7)-07 Central Anatolia	2.98
52 Ordu	04 North	(TR9)-09 East Black Sea	2.81
53 Rize	04 North	(TR9)-09 East Black Sea	2.01
54 Sakarya	01 West	(TR4)-04 East Marmara	2.23
55 Samsun	04 North	(TR8)-08 West Black Sea	2.55
56 Siirt	05 East	(TRC)-12 Southeast Anatolia	6.05
57 Sinop	04 North	(TR8)-08 West Black Sea	2.48

Source: 2000-General Population Census, SIS.

Table 4.2.4.1.6 National and provincial TFR estimations of 2000-GPC (cont)

Provinces	5 Regions	12 NUTS-1 Regions	TFR Values
58 Sivas	03 Central	(TR7)-07 Central Anatolia	2.76
59 Tekirdağ	01 West	(TR2)-02 West Marmara	1.83
60 Tokat	03 Central	(TR8)-08 West Black Sea	3.06
61 Trabzon	04 North	(TR9)-09 East Black Sea	2.10
62 Tunceli	05 East	(TRB)-11 Central East Anatolia	1.90
63 Şanlıurfa	05 East	(TRC)-12 Southeast Anatolia	4.83
64 Uşak	03 Central	(TR3)-03 Aegean	2.18
65 Van	05 East	(TRB)-11 Central East Anatolia	6.00
66 Yozgat	03 Central	(TR7)-07 Central Anatolia	2.84
67 Zonguldak	04 North	(TR8)-08 West Black Sea	1.93
68 Aksaray	03 Central	(TR7)-07 Central Anatolia	2.85
69 Bayburt	05 East	(TRA)-10 Northeast Anatolia	3.29
70 Karaman	03 Central	(TR5)-05 West Anatolia	2.77
71 Kırıkkale	03 Central	(TR7)-07 Central Anatolia	2.39
72 Batman	05 East	(TRC)-12 Southeast Anatolia	5.27
73 Şırnak	05 East	(TRC)-12 Southeast Anatolia	7.06
74 Bartın	04 North	(TR8)-08 West Black Sea	2.11
75 Ardahan	05 East	(TRA)-10 Northeast Anatolia	2.95
76 Iğdır	05 East	(TRA)-10 Northeast Anatolia	4.17
77 Yalova	01 West	(TR4)-04 East Marmara	1.93
78 Karabük	04 North	(TR8)-08 West Black Sea	1.99
79 Kilis	05 East	(TRC)-12 Southeast Anatolia	3.54
80 Osmaniye	02 South	(TR6)-06 Mediterranean	2.95
81 Düzce	03 Central	(TR4)-04 East Marmara	2.18

Source: 2000-General Population Census, SIS.

The table above indicates that there are substantial variations in TFR by the provinces. The fertility is below 2.10, below the replacement level of the fertility, in many provinces that are usually in the western regions of Turkey.

For the initial values of provincial TFR levels, data from 2000 General Population Census Report will be used. First, a TFR calculation will be executed for Turkey as a whole with the “FORECAST” command of MS-EXCEL by using TDHS-1998 and TDHS-2003 TFR estimations to calculate trend and intermediate value of 2000. It has been seen that the TFR value of 2000 GPC is higher than the TDHS value of 2000, which is calculated from the trend of four TDHS values. A constant value has been calculated for correction by a division operation between the two values, and a coefficient calculated at the end: **1.055046**. It is assumed that, most of the provinces have this constant error, so provincial TFR value of these provinces in 2000 GPC Report will be multiplied with that constant value, and “corrected values” will be calculated.

Table 4.2.4.1.7 Correction of TFR estimation of 2000-GPC for Turkey total

TDHS 1998 TFR 1997	TDHS 2003 TFR 2002	Calculated TFR 2000	TFR 2000	Calculated Coefficient
2.65	2.23	2.398	2.53	1.055046

Sources: TDH Surveys, HIPS; 2000 General Population Census, TurkStat

Regional TFR levels of TDHS represent the last three years of the regions. Thus, linear regression curves have been calculated from the history of these four regional values and first estimations of 2008 year were calculated for all regions. The assumptions used are that these regions would continue on these trends and most of the provinces would follow the same slope of these curves until 2023, with an initial value named as “corrected TFR value”. But some provinces which have different characteristics than the TFR trends and it is assumed that they would end with their own separate trend with the appropriate one of the three UN assumptions for 2020-2025 period of Turkey: “High=2.40, Medium=1.90, Low=1.40”. These are the World Population Prospects Revision 2008 – Turkey TFR assumptions. The assumptions are briefly given below:

Table 4.2.4.1.8 TFR estimations of UN-WPP for Turkey

Period	1995	2000	2005	2010	2015	2020
	2000	2005	2010	2015	2020	2025
Medium variant	2.57	2.23	2.13	2.04	1.97	1.90
High variant	2.57	2.23	2.13	2.29	2.37	2.40
Low variant	2.57	2.23	2.13	1.79	1.57	1.40

Source: World Population Prospects: 2008 Revision, UN.

Generally, the assumption was “UN-High variant” for East and Southeast (it is included by East region) regions, “UN Medium variant” for Central and North regions, and “UN Low variant” for West and South regions. But these are not definitive constraints.

This process is applied for all 81 provinces separately, and all resulting values which were calculated properly to the trend of the each region and were entered in related EXCEL files, which are designed for automatically trend calculations for each provinces.

There have been in total 8 different TFR assumptions for every province. Two initial values:

- Obtained directly from 2000 GPC
- “Corrected TFR value”

One subjective trend of calculated from regional TFR trends, but two results of two different initial values. There are three UN-WPP (World Population Prospects) assumptions for the two different initial values. Pattern of the provincial assumptions are briefly given below:

Table 4.2.4.1.9 Assumption Alternatives for Provincial TFR values

Provincial Assumptions	Initial Value (2008)	Posterior Value (2023)
1	“Corrected Provincial TFR -2000”	2023 estimation of regional trend of the province
2	“Corrected Provincial TFR -2000”	UN-High (2020-2025)
3	“Corrected Provincial TFR -2000”	UN-Medium (2020-2025)
4	“Corrected Provincial TFR -2000”	UN-Low (2020-2025)
5	Provincial TFR- <i>Directly from GPC</i>	2023 estimation of regional trend of the province
6	Provincial TFR- <i>Directly from GPC</i>	UN-High (2020-2025)
7	Provincial TFR- <i>Directly from GPC</i>	UN-Medium (2020-2025)
8	Provincial TFR- <i>Directly from GPC</i>	UN-Low (2020-2025)

The provincial TFR assumptions were constituted on the first assumption model, as far as possible. The last four models were used for the provinces where the TFR values from the 2000 GPC are lower than “2.10” value. In the other cases, first model was used as far as possible. If not, the most feasible model has been used.

This approach provides standardization of initial value calculation and assumptions. But the automatic pattern calculator EXCEL files are ready for new TFR assumptions for new future projections. For an example of “06 Ankara” province, brief descriptions are in the tables below:

Table 4.2.4.1.10 TFR values of Central region from the last four TDHS

Central Region TFR Values from last 4 TDHS				
(representative for 3 years period)				
TDHS 1993	TDHS 1998	TDHS 2003	TDHS 2008	
Estimation of	Estimation of	Estimation of	Estimation of	Regional Slope Value
1992	1997	2002	2007	
2.40	2.56	1.86	2.20	-0.02600

Source: TDH Surveys, HIPS.

*2000 GPC- Provincial TFR value: **2.90,***

*Regional (Central) slope value of trend for the last 4 TDHS: **-0.02600,***

2008 Directly Provincial TFR value from 2000 GPC with the regional slope:

1.69,

*2008 Corrected Provincial TFR value from 2000 GPC with the regional slope: **1.59,***

Table 4.2.4.1.11 2008 TFR values of 06-Ankara

	2000 GPC	2008 Provincial
	Provincial TFR	Estimated TFR
	Value	Value
Original Value	1.90	1.69
Corrected Value	1.80087	1.59

Source: 2000 General Population Census, TurkStat.

Table 4.2.4.1.12 Assumption models of 06-Ankara

“Ankara” Assumption Models	TFR Initial Value (2008)	TFR Posterior Value (2023)	Annual Difference
1	1.59	1.20	-0.02600
2	1.59	2.40	0.05381
3	1.59	1.90	0.02048
4	1.59	1.40	-0.01947
5	1.69	1.30	-0.02600
6	1.69	2.40	0.04720
7	1.69	1.90	0.01387
8	1.69	1.40	-0.01947

Source: Author’s calculations.

Ankara is a province of “Central” region which is generally assumed with “UN- Medium variant”. But TFR value of Ankara in 2000-GPC is lower than “2.10”. There will be no correction. First half of the eight assumptions are not available. Model 5 has a too low a TFR value of 2023.

TFR value of any province or region cannot be lower than “1.40”. This will be an important rule for the all stages this study. So, neither its corrected values (Models 1 to 4), nor its own trend with corrected value (Model 5) are available. Model 6 and Model 7 have positive trend slopes. According to the demographic transition theory, there won’t be any positive TFR trend in this study. This is another rule for assumptions.

As a result, Model 8 will be used as a TFR trend assumption for projections of 06-Ankara province.

Percent distribution of ASFR and its assumptions until the last year of the period: Data for this input has been acquired from TDHS-2008 regional data for

initial percentages, and UN-WPP values for posterior values. Linear trends are calculated for the relevant age group by “INTERPOLATE” command of *Spectrum*.

Initial values for calculating percentages and the calculated percentages of the regions from TDHS-2008 are given in the tables below:

Table 4.2.4.1.13 Regional estimations of ASFR from TDHS-2008

Age Group	01 West	02 South	03 Central	04 North	05 East	TR1 Istanbul	TRC
							Southeast Anatolia
15-19	26.0	33.0	45.0	15.0	41.0	26.0	35.0
20-24	102.0	123.0	133.0	125.0	167.0	112.0	168.0
25-29	111.0	145.0	133.0	148.0	176.0	102.0	194.0
30-34	74.0	86.0	83.0	103.0	147.0	80.0	164.0
35-39	27.0	28.0	38.0	23.0	72.0	28.0	71.0
40-44	7.0	4.0	8.0	2.0	39.0	7.0	48.0
45-49	0.0	0.0	0.0	0.0	11.0	0.0	12.0
TFR	1.73	2.09	2.20	2.08	3.26	1.78	3.46

Source: TDHS-2008, HIPS.

Table 4.2.4.1.14 Regional percent distributions of ASFR estimations from TDHS-2008

Age Group	01 West	02 South	03 Central	04 North	05 East	TR1 Istanbul	TRC
							Southeast Anatolia
15-19	7.49	7.88	10.23	3.61	6.28	7.32	5.06
20-24	29.39	29.36	30.23	30.05	25.57	31.55	24.28
25-29	31.99	34.61	30.23	35.58	26.95	28.73	28.03
30-34	21.33	20.53	18.86	24.76	22.51	22.54	23.70
35-39	7.78	6.68	8.64	5.53	11.03	7.89	10.26
40-44	2.02	0.95	1.82	0.48	5.97	1.97	6.94
45-49	0.00	0.00	0.00	0.00	1.68	0.00	1.73
TFR	1.73	2.09	2.20	2.08	3.26	1.78	3.46

Source: TDHS-2008, HIPS.

Percentage of ASFR assumptions of UN-WPP for Turkey in 2020-2025 five years period, which is the period that includes the year 2023, are used for the last ASFR percent distribution values of the all regions. This assumption is the same in all variants of UN-WPP Revision 2008 for Turkey.

Table 4.2.4.1.15 Percent distributions ASFR estimations of UN-WPP

Age Group	ASFR	Percent Distribution of ASFR
<i>15-19</i>	16.74	4.40
<i>20-24</i>	83.68	22.00
<i>25-29</i>	133.01	34.97
<i>30-34</i>	100.41	26.40
<i>35-39</i>	39.4	10.36
<i>40-44</i>	6.5	1.71
<i>45-49</i>	0.61	0.16
	380.35	100

Source: Turkey Assumptions, UN-World Population Prospects.

For 06-Ankara, initial values are obtained from TDHS-2008 and the UN-WPP assumptions for 2023, last year of the projection period, are used. For the intermediate years between 2008 and 2023, “INTERPOLATE” command of *Spectrum* software is used.

Table 4.2.4.1.16 Percent distributions of ASFR assumptions for 06-Ankara (03-Central)

Age Group	03 Central 2008	UN-WPP Assumption 2023
<i>15-19</i>	10.23	4.40
<i>20-24</i>	30.23	22.00
<i>25-29</i>	30.23	34.97
<i>30-34</i>	18.86	26.40
<i>35-39</i>	8.64	10.36
<i>40-44</i>	1.82	1.71
<i>45-49</i>	0.00	0.16
	100	100

Sources: Turkey Assumptions, UN-World Population Prospects; TDHS-2008,HIPS.

Migration size as annual values and percent age-sex distribution: There have been two options for these components of the study.

- Data of “2000 GPC Internal Migration Statistics” Report (TurkStat 2005)
- Data of 2007-2008 ABPRS Internal Migration

Firstly; data for this input was calculated from 2000 GPC Internal Migration Report of TurkStat which includes the age-groups and sex distribution of in and out-migrants for the last 5 years. Division of the total migrant values by five gave the assumed total annual male and female migrants. Migrants in age groups gave the percent distribution of the migrants.

In addition, 2007-2008 ABPRS Internal Migration data was declared by TurkStat while the assumption and pre-projection of this study process was on-going. This data is representative for only one-year period, not for the last five years.

The same calculation operations of 2000 GPC internal migration data mentioned above were applied to the data of projections just for a different trial study.

The data at provincial and regional levels, for both of five demographic regions, and NUTS-1 regions has been officially requested from TurkStat. It includes age group and sex distribution of internal migration.

A discussion about preference on usage of internal migration data of GPC and ABPRS was done with the supervisor of this study. As a result, ABPRS data has been preferred for the assumptions of this study. However ABPRS provides fresh and updated data, it gives annual information about migration and is also a *de-jure* based system. This study is primarily based on ABPRS as a data source for initial population. So, utilizing the same data source for migration assumptions will be more favorable.

The most important assumption of this study is the internal migration rate. Also this is the most difficult field of demographic statistics to estimate. There are no adequate internal migration data in Turkey. So, it has to be assumed these values would stay constant.

An attempt at calculating a trend of migration values was done in the past several censuses, but it has not resulted in a viable methodology. So, the constant variant assumption will be used. It is assumed that this will result in some problems in the provinces which have low TFR values, low population sizes and too high negative migration values.

For 06-Ankara, net migration and its age-sex distribution are calculated in the way that is defined in the tables below:

Table 4.2.4.1.17 Calculation for percent distributions of male migrants of 06-Ankara

Net Migration of males (Ankara)				
Age Group	Male In-migrants	Male Out-migrants	Net (Males)	Percentage
<i>0-4</i>	5 460	3 386	2074	13.78
<i>5-9</i>	7 263	4 024	3239	21.52
<i>10-14</i>	5 820	3 404	2416	16.05
<i>15-19</i>	6 051	4 403	1648	10.95
<i>20-24</i>	10 550	9 116	1434	9.53
<i>25-29</i>	12 098	9 422	2676	17.78
<i>30-34</i>	8 800	6 717	2083	13.84
<i>35-39</i>	6 421	4 856	1565	10.40
<i>40-44</i>	4 158	3 569	589	3.91
<i>45-49</i>	3 248	3 178	70	0.46
<i>50-54</i>	2 436	2 938	-502	-3.33
<i>55-59</i>	1 608	2 383	-775	-5.15
<i>60-64</i>	1 017	1 655	-638	-4.24
<i>65-69</i>	710	1 145	-435	-2.89
<i>70-74</i>	468	678	-210	-1.39
<i>75-79</i>	421	579	-158	-1.05
<i>80+ *</i>	244	266	-22	-0.15
	76 773	61 719	15054	100.00

Sources: ABPRS 2007-2008, TurkStat.

*: Calculated by merging the (80-85) and "85+" age groups.

Table 4.2.4.1.18 Calculation for percent distributions of female migrants of 06-Ankara

Age Group	Net Migration of Females			Percentage
	Female In-migrants	Female Out-migrants	Net (Females)	
<i>0-4</i>	5 174	3 282	1892	12.20
<i>5-9</i>	6 795	3 790	3005	19.38
<i>10-14</i>	5 494	3 160	2334	15.05
<i>15-19</i>	7 492	4 535	2957	19.07
<i>20-24</i>	14 853	13 186	1667	10.75
<i>25-29</i>	12 498	10 624	1874	12.08
<i>30-34</i>	7 874	5 995	1879	12.12
<i>35-39</i>	5 435	4 149	1286	8.29
<i>40-44</i>	3 809	3 216	593	3.82
<i>45-49</i>	3 062	3 027	35	0.23
<i>50-54</i>	2 368	2 780	-412	-2.66
<i>55-59</i>	1 566	2 173	-607	-3.91
<i>60-64</i>	1 169	1 634	-465	-3.00
<i>65-69</i>	833	1 083	-250	-1.61
<i>70-74</i>	594	672	-78	-0.50
<i>75-79</i>	508	616	-108	-0.70
<i>80+ *</i>	463	557	-94	-0.61
	79 987	64 479	15508	100.00

Sources: ABPRS 2007-2008, TurkStat.

*: Calculated by merging the (80-85) and "85+" age groups.

The software requests annual net migrants in sex detail and following their percent distributions. There is no need to use absolute values for percentage calculation. The entries could be in negative values.

Sex ratio at birth: The constant value of the software (105.00) will be used directly and the constant variant will be assumed for all provinces, regions and Turkey total projections.

Percent urban value and its future assumption until the last year of the period: Urban areas are defined as the regions those have population size higher than 20000 in planning studies, censuses and ABPRS. The same definition will be used in this study. The urban/rural segregation will be applied in the same way.

Provincial trends were calculated from 1990 GPC, 2000 GPC, 2007 ABPRS and 2008 ABPRS by “SLOPE” command of EXCEL and these trends were assumed to be constant until 2023. This assumption could cause some problems for high urbanized provinces. In any similar case, a constant way will be used after a chosen point of the trend, which was a logical decision for the related province.

Assumptions of the regions and Turkey total will be made after the provincial projections and results. Assumptions for any region will be created by the projected totals and percent values of urban/rural population sizes of the provinces in its borders.

Urban percent values of the provinces and Turkey in total at the last two censuses and the last two ABPRS results are provided in the table below:

Table 4.2.4.1.19 Urban percent values of the provinces and Turkey total at the last two censuses and the last two ABPRS results

	Urban Percent Population 1990-2000-2007-2008			
	1990 GPC	1990 GPC	ABPRS 2007	ABPRS 2008
00 Turkey	51.32	59.25	67.45	69.23
01 Adana	66.49	72.75	79.63	84.56
02 Adıyaman	38.19	48.73	52.03	52.15
03 Afyon	29.64	33.81	38.69	39.05
04 Ağrı	29.06	39.31	44.15	41.40
05 Amasya	37.50	44.55	53.29	53.03
06 Ankara	84.39	86.25	93.43	94.83
07 Antalya	43.48	51.67	60.16	63.44
08 Artvin	9.54	12.07	14.58	14.12
09 Aydın	32.74	40.46	46.97	47.99
10 Balıkesir	36.77	44.02	49.76	50.27
11 Bilecik	32.15	41.98	48.85	49.41
12 Bingöl	16.57	27.14	34.39	33.63
13 Bitlis	27.93	52.52	44.47	30.40
14 Bolu	22.85	40.55	48.51	53.05
15 Burdur	32.89	35.90	42.11	41.23
16 Bursa	67.28	77.12	83.97	87.15
17 Çanakkale	22.81	33.41	37.90	38.57
18 Çankırı	16.30	23.12	39.42	38.38
19 Çorum	31.04	41.89	55.49	56.58

Sources: ABPRS, TurkStat; GPC;TurkStat.

*: Not applicable.

Table 4.2.4.1.19 Urban percent values of the provinces and Turkey total at the last two censuses and the last two ABPRS results (cont)

	Urban Percent Population 1990-2000-2007-2008			
	1990 GPC	1990 GPC	ABPRS 2007	ABPRS 2008
20 Denizli	27.18	32.41	43.49	52.23
21 Diyarbakır	47.33	57.74	63.39	64.37
22 Edirne	43.93	49.23	57.90	59.19
23 Elazığ	41.07	54.73	59.01	57.09
24 Erzincan	30.67	43.39	40.64	40.85
25 Erzurum	31.15	46.36	45.64	49.04
26 Eskişehir	64.44	68.38	78.75	80.86
27 Gaziantep	68.34	75.00	83.24	84.36
28 Giresun	27.22	34.31	30.24	30.00
29 Gümüşhane	15.36	16.19	21.42	19.97
30 Hakkari	34.15	49.80	47.62	46.86
31 Hatay	46.78	46.74	51.19	50.48
32 Isparta	32.23	40.55	53.81	43.15
33 İçel	58.90	63.34	68.34	74.46
34 İstanbul	94.55	95.55	97.46	98.78
35 İzmir	74.64	77.39	82.85	89.73
36 Kars	20.55	37.97	32.03	30.99
37 Kastamonu	17.56	23.40	29.81	29.94
38 Kayseri	53.55	59.32	73.64	75.34
39 Kırklareli	38.20	48.04	54.93	55.86
40 Kırşehir	38.77	45.83	54.20	55.08
41 Kocaeli	69.00	72.13	77.48	92.48
42 Konya	45.32	50.52	66.73	66.86
43 Kütahya	29.16	36.89	50.32	51.12
44 Malatya	40.14	44.64	53.07	56.04
45 Manisa	43.83	51.07	57.02	57.25
46 Kahramanmaraş	40.25	48.70	51.94	51.87
47 Mardin	34.49	43.82	47.46	46.08
48 Muğla	19.73	27.05	34.90	35.91
49 Muş	11.69	30.20	27.67	27.33
50 Nevşehir	18.21	21.90	29.17	29.07
51 Niğde	26.02	31.00	40.87	40.17
52 Ordu	22.22	29.51	38.55	36.63
53 Rize	14.92	39.92	46.41	43.63
54 Sakarya	37.13	50.50	55.69	65.28
55 Samsun	38.80	45.02	52.50	58.03
56 Siirt	28.06	46.70	49.79	50.19
57 Sinop	17.74	24.46	30.56	30.42
58 Sivas	31.89	39.41	49.38	49.03
59 Tekirdağ	42.32	50.55	65.17	65.15
60 Tokat	37.02	42.47	51.29	50.51
61 Trabzon	23.85	37.45	38.80	34.28
62 Tunceli	18.41	26.76	32.24	33.07
63 Şanlıurfa	49.79	55.05	59.62	56.56

Sources: ABPRS, TurkStat; GPC;TurkStat.

*: Not applicable.

Table 4.2.4.1.19 Urban percent values of the provinces and Turkey total at the last two censuses and the last two ABPRS results (cont)

	Urban Percent Population 1990-2000-2007-2008			
	1990 GPC	1990 GPC	ABPRS 2007	ABPRS 2008
64 Uşak	36.26	42.51	51.69	51.80
65 Van	30.37	40.49	41.79	41.41
66 Yozgat	18.61	34.00	39.87	40.75
67 Zonguldak	38.38	42.81	50.04	49.56
68 Aksaray	27.79	45.20	41.29	43.53
69 Bayburt	31.38	33.16	42.48	42.31
70 Karaman	35.18	43.33	54.33	55.27
71 Kırıkkale	58.81	62.56	68.61	68.86
72 Batman	49.28	59.94	66.60	65.84
73 Şırnak	37.60	49.13	56.92	58.15
74 Bartın	N/A*	19.54	25.85	25.89
75 Ardahan	N/A*	0.00	0.00	0.00
76 Iğdır	N/A*	35.51	41.75	41.20
77 Yalova	N/A*	41.59	48.07	46.12
78 Karabük	N/A*	58.84	65.68	66.24
79 Kilis	N/A*	61.60	65.60	65.04
80 Osmaniye	N/A*	60.66	65.58	65.93
81 Düzce	N/A*	26.16	36.20	43.19

Sources: ABPRS, TurkStat; GPC;TurkStat.

*: Not applicable.

For 06-Ankara, assumption calculations are given in the tables below:

Table 4.2.4.1.20 Slope urban percent values of 06-Ankara

	1990 GPC	1990 GPC	ABPRS 2007	ABPRS 2008	Calculated Slope (EXCEL)
06 Ankara	84.39	86.25	93.43	94.83	0.58082

Sources: ABPRS, TurkStat; GPC;TurkStat.

Table 4.2.4.1.21 Urban percent calculations of 06-Ankara

Calculated Urban Percent Values							
2008	2009	2010	2011	2012	2013	2014	2015
94.83	95.41	95.99	96.57	97.15	97.73	98.31	98.89

Calculated Urban Percent Values							
2016	2017	2018	2019	2020	2021	2022	2023
99.47	100.06	100.64	101.22	101.80	102.38	102.96	103.54

Calculated percent values exceed the limit: % 100. So, it will be assumed as constant from 2009, which has a plausible urban percent level.

Table 4.2.4.1.22 Urban percent assumptions of 06-Ankara

Calculated Urban Percent Values							
2008	2009	2010	2011	2012	2013	2014	2015
94.83	95.41	95.41	95.41	95.41	95.41	95.41	95.41

Calculated Urban Percent Values							
2016	2017	2018	2019	2020	2021	2022	2023
95.41	95.41	95.41	95.41	95.41	95.41	95.41	95.41

Model life table: Coale-Demeny (CD) Life Tables will be used for this title. CD-East will be used for East region; CD-West will be used for all of the other 4 regions.

CD-West has a more exhaustive usage area. It can be used for different communities. CD-East will be for the 05-East region, for its special conditions and different demographic attitudes from the other regions of Turkey.

Life expectancy of the two sexes and their future assumptions until the last year of the period: Infant mortality rates (IMR) and life expectancy (“ e_0 ”) values due to IMR values will be calculated at the regional level and be standard for the provinces of the regions. Infant mortality is the probability of dying between birth and exact one age (${}_1q_0$).

The calculation process will be like the other demographic indicators of TDHS data, until 2008. The last 4 TDH surveys (1993, 1998, 2003, and 2008) data will be used for this calculation. All regions will follow their own trends until 2008. After 2008, all of the regional trends will follow the slope of total Turkey IMR trend according to the new updated TurkStat national population projects which is based

on ABPRS 2008 database released on April 2009¹. The last four TDH surveys have given estimations at national and regional levels as the table below:

Table 4.2.4.1.23 National and regional IMR estimations of the last four TDH surveys

The Last Four TDH Surveys Representation Years	TDHS-1993	TDHS-1998	TDHS-2003	TDHS-2008
Regions				
West	42.7	32.8	22	16
South	55.4	32.7	29	30
Central	57.9	41.3	21	22
North	44.2	42.0	34	24
East	60.0	61.5	41	39
İstanbul	N/A*	N/A*	19	14
GAP	N/A*	N/A*	38	33
TÜRKİYE	53	43	29	18

Sources: TDH surveys, HIPS.

*: Not applicable.

In TDHS reports, which are the main data sources for IMR in this study, IMR values represent the last five year periods that include the survey years. Furthermore, IMR estimation of TDHS-2008 represents the last ten year period. Thus, the trend calculation operations in this important methodological case will be considered. The IMR representation of TDH surveys that will be used in trend calculation are given below:

Table 4.2.4.1.24 The years that are the IMR values of the last four TDH surveys represent

IMR Representation of the last Four TDH Surveys				
TDH Survey Year	TDHS 1993	TDHS 1998	TDHS 2003	TDHS 2008
Representation Year	1991	1996	2001	2003

Sources: ABPRS, TurkStat; GPC; TurkStat.

¹ For the results of new updated projections, visit: www.tuik.gov.tr

This calculation has an important stage of separating the estimations at sex level. TDHS 2003 IMR estimation is 36 for female (100 female), 39 for male (105 male). Two constant values have been calculated from his information. All of the IMR estimations by sex on the total trends of all regions have been separated to sex level by usage of these coefficients. This means only one total value of IMR will be an input, two sex based IMR values will be outputs. Both trends will follow up with the same slope of TurkStat total IMR trend assumption.

Table 4.2.4.1.25 Coefficient calculation for IMR values by sex

	Sex Ratio	IMR by Sex (TDHS-2003)	Coefficient
Male	100	36	0.9591 (36/Total)
Female	105	39	1.0390 (Total/39)
Total	205	37.5366	

Sources: TDHS-2003, HIPS.

The TurkStat projection goes up to 2025. Trend values of the period that ends with 2023 will be used in this study. TurkStat IMR assumptions are given in the table below:

Table 4.2.4.1.26 IMR assumptions of TurkStat updated ABPRS projections

IMR Assumptions of TurkStat Updated Projections			
	2008 Initial Value	2023 Final Value	Calculated Slope Values
Total IMR	16.0	9.2	-0.445
IMR Males	18.6	10.5	-0.529
IMR Females	13.3	7.8	-0.355

Sources: TurkStat: www.tuik.gov.tr

Only the total IMR trend will be followed up by the trend calculations of this study, because generating both of the IMR values due to only one total IMR value in the assumption composing process.

IMR assumptions of UN-WPP won't be used in this study, because its assumptions are too high and differ greatly from both of TDH survey estimations and TurkStat assumptions. IMR assumptions of UN-WPP for Turkey in the relevant time period are given in the table below:

Table 4.2.4.1.27 IMR assumptions of UN-WPP for Turkey

UN World Population Prospects (IMR)			
2005-2010	2010-2015	2015-2020	2020-2025
2008	2013	2018	2023
27.5	24	20.9	17.9

Sources: UN-World Population Prospects.

The representation years of TDH surveys affect the trend calculation directly, especially TDHS-2008. TDHS-2008 differs from the others on the top of IMR representation year. Representation year is 2003, which has too high a size difference before the survey year and is too near to the previous survey representation year: 2001. This fact causes to dramatic downward pressure on the slopes of the trends. An assumption has been generated for this issue: time difference between the last estimation up to the initial year of projection, 2008, will be assumed as only one year, not to be five years. The IMR values will follow only one year with individual regional trends, and then will follow the total IMR slope assumption of TurkStat ABPRS-based national population projections, up to 2023.

The software requires only sex-based “ e_0 ” life expectancy values and the annual assumptions of these numerical inputs. The software calculates its own IMR values due to the life expectancies and type of the model life table as input variables.

“ e_0 ” life expectancies that are required by the software were estimated from the sex-based IMR values mentioned above, by using them in the related Coale-Demeny life tables for “ l_1 ” values. The estimated “ l_1 ” values were been found in the

related life tables, in the appropriate interval. The “ l_1 ” values, related interval limit values of “ l_1 ” and the related interval limit values of “ e_0 ” have been used for estimation of “ e_0 ” values of sexes. Interpolation method was applied for this stage.

Thus, initial “ e_0 ” (for 2008) and posterior “ e_0 ” (for 2023) values have been estimated for both sexes separately at the regional level of five demographic TDHS regions. These values will be entered to *Spectrum* software in the projection making stage, and the intermediate values were calculated by the program by “INTERPOLATE” command.

06-Ankara province will follow up the assumptions about the 03-Central region. The phases of life expectancy process of 03-Central region are explained in the tables below:

Table 4.2.4.1.28 IMR estimations and calculated slope of Central region in from the last four TDH surveys

IMR Slope of Central Region					
Surveys	TDHS-1993	TDHS-1998	TDHS-2003	TDHS-2008	
Representation Years	1991	1996	2001	2003	Slope
	57.9	41.3	21	22	-3.220

Sources: TurkStat: www.tuik.gov.tr

The last IMR value that is estimated by TDHS-2008 for representative of 2003 was moved forward only one year with the calculated slope: -3.2202. The trend will follow up the slope of TurkStat assumption: 0.4455. This will end in 2023. The results are given in the table below:

Table 4.2.4.1.29 Calculated 2008 IMR value and the final value of 03-Central region.

Initial and Final Values IMR Values of 03-Central Region		
Years	Initial-2008	Final-2023
Total IMR	18.78	12.10
Calculated Male IMR	19.51	12.57
Calculated Female IMR	18.01	11.60

Sources: TDH surveys, HIPS; ABPRS Projections, TurkStat; Author's calculations.

Calculated “ e_0 ” life expectancy values by Coale-Demeny West model life table from these sex-based IMR values are given in the table below:

Table 4.2.4.30 Calculated “ e_0 ” life expectancy values by Coale-Demeny West life table

Sex/Year	I_1 Values Calculated from the IMR Values	Lowest Limit of the I_1 Interval in Life Table	Upper Limit of the I_1 Interval in Life Table	Lowest Limit of the e_0 Interval in Life Table	Upper Limit of the e_0 Interval in Life Table	Calculated e_0 Values by Interpolation
Male (2008)	98049	97428	98257	70	72.5	71.87
Male (2023)	98743	98257	98946	72.5	75	74.26
Female (2008)	98199	97723	98485	72.5	75	74.06
Female (2023)	98840	98817	99086	77.5	80	77.71

The calculated “ e_0 ” life expectancy values in the table above will be directly used in the software for 06-Ankara and all provinces that are included by 03-Central region.

4.3. PRESENTATION OF SOFTWARE APPLICATION

The software is so useful and easily run by the users. The processes of running the program, data entry, getting the results processes are very functionally designed for making projections or updating the assumptions. Most of the assumptions can be entered by keyboard or optionally entered by basic demographic components and calculations of the software own. “*DUPLICATE*”, “*INTERPOLATE*” and “*MULTIPLE*”, “*NORMALIZE*” and “*COMPARISON*” commands are designed for accelerating and facilitating the projection designing process of the users during the assumption entry phases.

In this study, summary tables of the all total projection files and age distribution of national, regional and provincial population projection designs that will be provided from this software, in a manner that will be very briefly explained in this section.

In this section, an example will be applied to several images from the application process of the *Spectrum-DemProj 4*¹ software for the 06-Ankara province with some of the calculated assumptions thereof.

Only a few imaginary examples are given for defining the program briefly, in the figures below:

¹ For detailed information about the application of the software program, see: <http://www.policyproject.com/software.cfm?page=Software&ID=Spectrum> (Accession date: 20/10/2009) and <http://www.faculty.fairfield.edu/faculty/hodgson/Courses/so184/Spectrum/MakingProjection.htm#b> (Accession date: 20/10/2009)

Figure 4.3.1 Running the Spectrum software

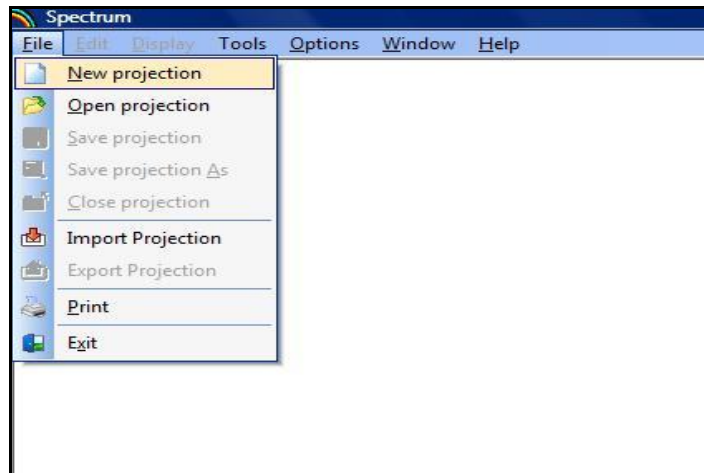


Figure 4.3.2 Description of the projection file

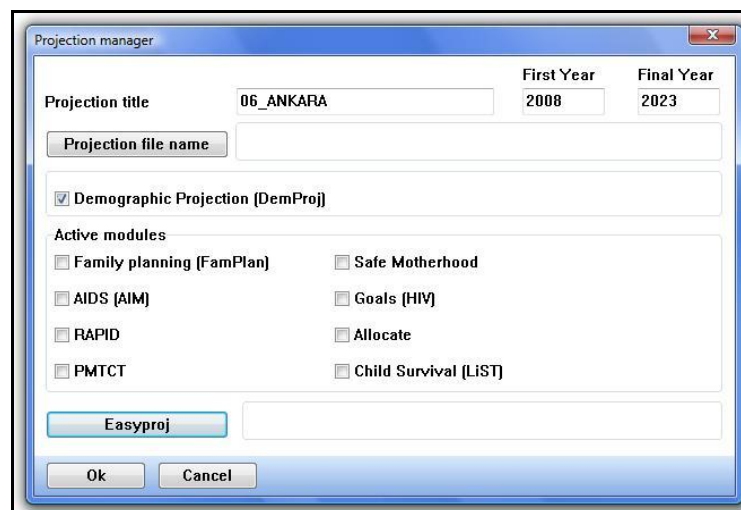


Figure 4.3.3 Entry of first year population

Figure 4.3.4 Entry of ASFR assumptions

Figure 4.3.5 Entry of female migrants assumptions

The screenshot shows the 'Demographic data - 06_ANKARA' software interface. The 'Edit' window is open, displaying a table titled 'Percent Distribution of Female Migrants by Age'. The table has columns for Age, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, and 20. The data is as follows:

Age	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	20
0-4	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12
5-9	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	15
10-14	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15
15-19	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	19.1	15
20-24	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10
25-29	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12
30-34	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12
35-39	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8

Below the table are buttons for 'Normalize', 'Net migration', 'Male age distribution', and 'Female age distribution'. At the bottom are 'Ok', 'Cancel', 'Duplicate', 'Interpolate', and 'Source' buttons.

Figure 4.3.6 Entry of life table assumptions

The screenshot shows the 'Demographic data - 06_ANKARA' software interface. The 'Edit' window is open, displaying the 'Model life table' selection screen. The 'Model life table' section is active, showing a list of options with radio buttons and corresponding IMR values:

- Coale-Demeny West IMR = 19
- Coale-Demeny North IMR = 22
- Coale-Demeny East IMR = 24
- Coale-Demeny South IMR = 44
- UN General IMR = 30
- UN Latin America IMR = 35
- UN Chile IMR = 38
- UN South Asia IMR = 39
- UN East Asia IMR = 20
- Custom IMR = 30

Below the list is a 'Custom' button. At the bottom are 'Ok', 'Cancel', and 'Source' buttons.

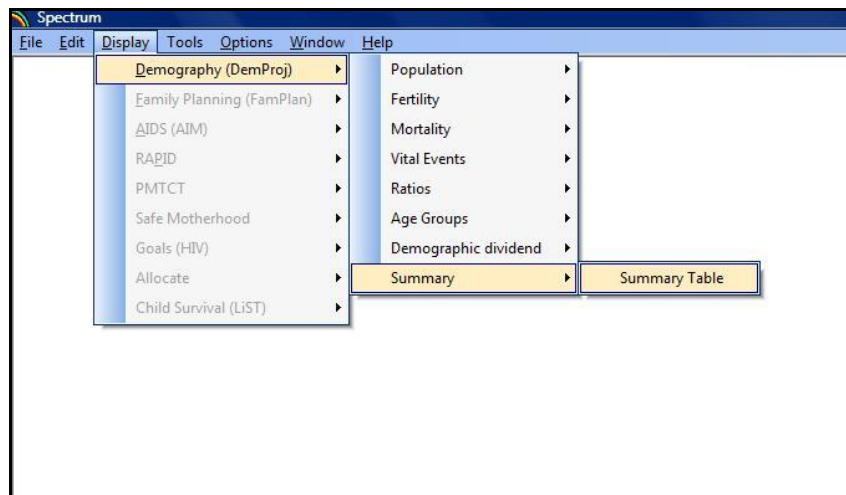
Figure 4.3.7 Getting the results as summary table**Figure 4.3.8** Describing the type of the summary table

Figure 4.3.9 An image of the summary table

The screenshot shows the 'Spectrum' software interface with a menu bar (File, Edit, Display, Tools, Options, Window, Help) and a title bar 'Summary Demographic Indicators - Total'. The main window displays a table with columns for years 2009 through 2015. The table is organized into several sections: Fertility, Mortality, Immigration, and Vital Rates. A context menu is open over the 'Child-woman ratio' row, showing options: Cut, Copy, Paste, Decrement Decimal, Increment Decimal, and Copy all.

	2009	2010	2011	2012	2013	2014	2015
Fertility							
Input IFR	1.67	1.65	1.63	1.61	1.59	1.58	1.56
GRR	0.81	0.80	0.80	0.79	0.78	0.77	0.76
NRR	0.79	0.78	0.77	0.76	0.76	0.75	0.74
Mean Age of Childbe	27.1	27.3	27.4	27.5	27.6	27.7	27.8
Child-woman ratio	0.26	0.26	0.25	0.25	0.24	0.24	0.24
Mortality							
Male LE	71.9	71.8	72.0	72.1	72.3	72.6	72.8
Female LE	74.1	74.2	74.5	74.8	75.0	75.2	75.5
Total LE	73.0	73.0	73.2	73.5	73.7	73.8	74.2
IMR	19.1	18.5	17.9	17.3	16.7	16.2	15.8
USMR	22.3	21.5	20.8	20.0	19.3	18.7	18.1
Immigration							
Male immigration	15,054	15,054	15,054	15,054	15,054	15,054	15,054
Female immigration	15,508	15,508	15,508	15,508	15,508	15,508	15,508
Total immigration	30,562	30,562	30,562	30,562	30,562	30,562	30,562
Vital Rates							
CBR per 1000	15.0	14.6	14.3	13.9	13.6	13.3	12.7
CDR per 1000	6.6	6.4	6.3	6.3	6.2	6.2	6.1
RNI percent	0.84	0.82	0.79	0.76	0.74	0.71	0.69
CR percent	1.51	1.49	1.45	1.41	1.37	1.34	1.31
Doubling time	46.2	47.0	48.3	49.6	50.9	52.3	54.9

4.4. GENERAL ASSUMPTIONS OF THE PROJECTIONS

Population projections will be generated for several levels in this study. The findings from these projections in different levels will be used for national, regional and provincial discussions about the future demographic structure of every level. These findings will also be used for comparisons of the results with the sub-regions of the every regional and national projection.

Four levels of population projections will be made in this study:

- *National level*: Projections for Turkey as a whole, with several different fertility and mortality assumptions.
- *Regional level (5 demographic regions)*: Separate projections for 5 demographic regions of Turkey, which were used for previous TDH surveys.
- *Regional level (12 NUTS-1 level regions)*: Separate projections for 12 NUTS 1 level statistical regions of Turkey.
- *Provincial level (81 Provinces of Turkey)*: Separate projections for all of the provinces of Turkey.

The regional and provincial projections will be designed only with one scenario due to the rule of assumption-standard that is separated from subjective opinions and expert opinion as far as possible.

The national projections of Turkey will be designed with three separate alternative assumption models.

There will not be any NUTS-2 based population projections, through the absence of any representative and statistically reliable demographic data for neither the current period, nor the past.

As mentioned again in the previous chapters, population projections that are due to the demographic components are built up from of two phases:

- Preparation phase
- Assumption making phase

In the both processes of this study, all projection units will be made ready to be projected by the software according to the similar baselines of calculations which were defined in a detailed way with the example of 06-Ankara province in one of the previous sections, Section 4.2.4.

In this section of the thesis, the general input assumptions of the all national, regional and provincial projections will be presented briefly, with the general and especially the conspicuous cases which are suitable to or different from the assumption standards.

4.4.1. Assumptions for the 3 Alternative National Level Projections of Turkey Total

There will be three population projections for Turkey, aiming to see the results by different approaches and comparing them. These assumptions will be generated for the same “first year population”, ASFR and urbanization calculations and assumptions of the Turkey total level, which are acquired from the same data sources with the provincial projections mentioned before. The differences will be obtained in the fertility and mortality indicators. The three projection models that will be generated by *Spectrum* software are:

- **(Model 1)** → *National projection of Turkey with its own fertility and mortality trends*: Fertility assumptions will be calculated from TDHS results of Turkey total. Mortality indicators will be calculated by the contribution of TDHS initial values and TurkStat trends.

- **(Model 2)** → *National projection of Turkey with “medium variant” fertility trend of UN-WPP*: Mortality assumptions and the initial TFR value are the same with the first model. The end point value of TFR will be assumed as the same with “medium-variant” of the UN-WPP TFR assumptions for Turkey: “**1.90**”.

- **(Model 3)** → *National projection of Turkey with the fertility and mortality trends from the official TurkStat projections*: TurkStat assumptions will be used for initial and ending values of TFR and life expectancy (e_0).

The baselines of assumptions for national projections of Turkey are given below:

Table 4.4.1.1 Basic assumptions for the 3 models of Turkey national projections

	TFR (2008)	TFR (2023)	TFR (2008)	TFR (2023)	Urban (2008) (%)	Urban (2023) (%)	e_0 (2008)	e_0 (2023)
Model-1	Calculated TFR	Own Trend	2.11	1.55	69.23	84.01	M:73.1 F: 75.4	M:76.8 F: 81.1*
Model-2	Calculated TFR	UN- Medium	2.11	1.90	69.23	84.01	M:73.1 F: 75.4	M:76.8 F: 81.1*
Model-3	TurkStat- TFR	TurkStat- TFR	2.14	1.99	69.23	84.01	M:71.4 F: 75.8	M:73.0 F: 78.7

*: These values will be entered as “80.0” to the software.

The upper limit for life expectancy values (e_0) is “80.0” for the software program. So, the e_0 values which are higher than 80.0 will be entered as “80.0” to the program.

Net migration sizes will be assumed “0” (zero) for all of the three models, through the regional and provincial migration assumptions will be assumed as zero as total, although the local assumptions of them won't be zero and are will be applied like the example of 06-Ankara., in the previous sections.

Regional birth registration ratios at the national level, which will be used for smoothing the age-sex distribution of the population and calculating the initial populations, were given in the relevant table: in the Section 4.2.4.

4.4.2. Assumptions for Projections of the 5 Demographic Regions

The assumptions for the 5 demographic regions will be executed in a very similar way to that was mentioned in Section 4.2.4. In the relevant section, the main data for the regional assumptions were also presented.

Demographic data of these 5 regions are already the base for trend calculations for the relevant provinces they include. The provinces and NUTS-1 level regions do not have adequate, comparable and representative data that are more than one and suitable for trend calculation. So, there is an assumption of that each province or NUTS-1 region have initial values and trends of its own. If not, it uses the adequate and representative data and trend of the smallest region or sub-region that the province is included by.

Consequently, projections of the 5 demographic regions are so important for this study. It is assumed that these regions will have less error; because of more adequate and statistically reliable data form TDHS, except the data of urbanization.

These regional projections will be used for comparisons of the provincial totals of any region and the projection of the region own. They are not being made for only making regional projections.

The baselines of assumptions for the projections of 5 demographic regions are given below:

Table 4.4.2.1 Basic assumptions for the projections of 5 demographic regions

	TFR (2008)	TFR (2023)	TFR (2008)	TFR (2023)	Urban (2008) (%)	Urban (2023) (%)	e₀ (2008)	e₀ (2023)
5 REGIONS								
01 West	Own Trend	Own Trend	1.71	1.42	83.16	89.50	M: 73.6 F: 76.4	M: 78.8 F: 82.7*
02 South**	Own Trend	UN- Medium	2.07	1.90	65.39	75.47	M: 69.1 F: 71.3	M: 71.1 F: 73.3*
03 Central	Own Trend	Own Trend	2.17	1.78	67.99	81.20	M: 71.9 F: 74.0	M: 74.2 F: 77.7
04 North	Own Trend	UN-Low	2.02	1.40	41.68	53.56	M: 70.7 F: 72.9	M: 72.8 F: 75.0
05 East	Own Trend	UN-High	3.18	2.40	54.19	66.94	M: 67.9 F: 71.2	M: 69.4 F: 72.7

*: These values will be entered as “80.0” to the software.

** : 02-South region of 5 demographic regions is the same with the region TR6-Mediterranean region which is a NUTS-1 level region.

There is no adequate data for regional urbanization ratios and their past trends. Thus, it is impossible to forecast the future urban percent values for any regions of Turkey, without expert opinion. The future assumptions for regional urbanization ratios were calculated after making and finalizing all provincial projections. Total urban and total rural population sizes of the relevant provinces of any region was added to each other respectively and the regional urban population ratios were calculated annually from these sums. This means regional and national projections were made after the provincial projections that were mentioned in the Section 4.2.4. and also will be mentioned in the next parts of this chapter.

TFR estimation of 1993 TDHS survey for the 04-North region will not be used in the trend calculation of this region and of all provinces and sub-regions which are included by this region. The relevant estimation causes a too sharp trend that cannot be used for a TFR assumption. So, TFR trends that are in relationship with this value will be calculated by only the last three TDH surveys, not the last four.

UN-High” variant will be used for the 05-East region, because of a low ending value: “1.99”.

It is assumed that there will be some numerical shade differences between the assumed e_0 values of the all units and the projected ones. Because the software calculates its own e_0 values due to the entered e_0 and the chosen life table. This means the software re-calculate the mortality indicators. This case is valid for all projections of the all units.

The e_0 values which are higher than 80.0 will be entered as “80.0” to the program, like some of the values of the Turkey projections that were mentioned above.

Regional birth registration ratios based on 5 demographic regions, which will be used for smoothing the age-sex distribution of the population and calculating the initial populations, were given in the relevant table: in Section 4.2.4.

4.4.3. Assumptions for Projections of the 12 NUTS-1 Level Regions

The situations of NUTS-1 regions are quite different from the other national and (demographic) regional cases for past and recent data sources, except the TR1-İstanbul and TRC-Southeast Anatolia regions. There are TFR and IMR estimations of TDHS 2008 survey for all NUTS-1 regions. There are also estimations of TDHS 2003 survey for only TR1 İstanbul and TRC Southeast Anatolia regions. These cases impede the calculation process of data trends that are only NUTS-1 based. Hence, TDHS 2008 values of these indicators will be used only for calculation of “initial values” of the future trends. The future trends will be calculated by the past four TDHS estimations of the 5 demographic regions. An assumption for any NUTS-1 region will be calculated by the past trends of the most relevant demographic region, which have the most likely demographic structure and geographically includes that NUTS-1 region. NUTS-1 region based TFR and IMR estimations of TDHS 2008 survey are given in the tables below:

Table 4.4.3.1 TFR and IMR estimations of the TDHS 2008 for 12 NUTS-1 level regions

Representation Year	TFR	IMR
	(TDHS2008)	(TDHS 2008)
	2007	2003
12 REGIONS (NUTS-1 LEVEL)		
(TR1)-01 İstanbul	1.78	9* → 14
(TR2)-02 West Marmara	1.38	19
(TR3)-03 Aegean	1.91	24
(TR4)-04 East Marmara	1.80	20
(TR5)-05 West Anatolia	2.40	24
(TR6)-06 Mediterranean*	2.09	30
(TR7)-07 Central Anatolia	2.09	23
(TR8)-08 West Black Sea	1.90	18
(TR9)-09 East Black Sea	2.10	30
(TRA)-10 Northeast Anatolia	2.59	38
(TRB)-11 Central East Anatolia	3.33	52
(TRC)-12 Southeast Anatolia	3.47	33

Source: TDHS 2008, HIPS.

*: The IMR value of İstanbul is so low and causing some problems for assumptions. This value will be assumed as 14.

** : TR6-Mediterranean region of NUTS-1 level regions is the same with the 02-South region which is one of the 5 demographic regions.

The table above indicates that there are substantial variations in TFR by region. The fertility is below 2.10, known as replacement level of fertility with the exception of TR5-West Anatolia and the regions located in the eastern part of Turkey. Calculations of the initial populations, migration assumptions and urbanization trends are separate and similar to the approaches about the 5 demographic regions.

The baselines of assumptions for the projections of 12 NUTS-1 level regions are given below:

Table 4.4.3.2 Basic assumptions for the projections of 12 NUTS-1 level regions

	TFR (2008)	TFR (2023)	TFR (2008)	TFR (2023)	Urban (2008) (%)	Urban (2023) (%)	e₀ (2008)	e₀ (2023)
12 REGIONS (NUTS-1 LEVEL)								
(TR1)-01 İstanbul	Own Trend	Own Trend	1.77	1.48	98.78	99.42*	M:74.4 F: 78.0	M:81.5* F: 85.7*
(TR2)-02 West Marmara	UN- Low	UN- Low	1.40	1.40	65.39	75.47	M:72.5 F: 74.7	M:75.0 F: 79.4
(TR3)-03 Aegean	Own Trend	Own Trend	1.89	1.60	65.23	76.05	M:70.9 F: 73.1	M:73.1 F: 75.4
(TR4)-04 East Marmara	Own Trend	Own Trend	1.78	1.49	78.89	90.69	M:72.2 F: 74.4	M:74.6 F: 78.5
(TR5)-05 West Anatolia	Own Trend	Own Trend	2.37	1.98	85.32	92.00	M:71.3 F: 73.4	M:73.5 F: 76.2
(TR6)-06 Mediterranean **	02-South Region							
(TR7)-07 Central Anatolia	Own Trend	UN- Medium	2.06	1.90	55.19	71.73	M:71.6 F: 73.8	M:73.8 F: 76.9
(TR8)-08 West Black Sea	Own Trend	UN- Low	1.87	1.40	50.08	63.63	M:72.6 F: 74.8	M:75.4 F: 79.8
(TR9)-09 East Black Sea	Own Trend	UN- Low	2.04	1.40	33.34	44.31	M:69.0 F: 71.2	M:70.9 F: 73.1
(TRA)-10 Northeast Anatolia	Own Trend	UN- High	2.51	2.40	40.47	51.10	M:68.1 F: 71.5	M:69.6 F: 73.5
TRB)-11 Central East Anatolia	Own Trend	UN- High	3.25	2.40	43.82	55.62	M:65.3 F: 68.5	M:66.6 F: 69.8
(TRC)-12 Southeast Anatolia	Own Trend	UN- High	3.39	2.40	63.41	74.90	M:64.2 F: 72.6	M:70.9 F: 74.3

*: These values will be entered as “80.0” to the software.

** : TR6-Mediterranean region of NUTS-1 level regions is the same with the region 02-South region which is one of the 5 demographic regions.

Urbanization level of TR1-Istanbul will be assumed as constant from 2011 with the value of “99.42”, because of trend values higher than 100 percent.

TFR of TR2-West Marmara will be assumed as “1.40” because of its too low calculated initial TFR value for 2008: “1.36”.

Ending TFR value of TR7-Central Anatolia will be assumed as “1.90” because of its too low calculated initial TFR value for 2008: “1.67”. This value is so low, because no provinces that are included in this region have an ending value under “1.90”. These provincial assumptions can be seen in the next part of this chapter and Section 4.4.4.

Making TFR trend assumption for TR8-West Black Sea is a more complicated issue than the others. Some of the provinces of this region are also included by the 04-North region; the others are members of the 03-Central region. For this reason, there have been several trial projections by both of the assumptions. Total population sizes of the provincial projections were more near to the regional projection of this unit when the trend of 03-Central region was used. Thus, the own trend for the initial TFR of this region will follow the trend of 03-Central region, not the 04-North region. The ending value for TFR of this region will be “1.40” because of the too low calculated trend value: “0.97”.

TFR assumption of TR8-East Anatolia Region will be base on the past TFR estimations of the 04-North region and the 1993 TDHS estimation will not be used due to the explanation in Section 4.4.2. In addition, ending TFR value of this region will be “1.40” as the UN-Low variant assumption, because of the very low provincial ending TFR values of this region.

“UN-High” variant will be used for the TRA-Northeast Anatolia, TRB-Central East Anatolia and TRC-Southeast Anatolia regions, which follow the trend

of the 05-East region for their initial TFR values. But the trends cannot follow the same manner until 2023, because of a too sharp decline in TFR and rather low ending values: “1.32”, “2.06” and “2.20” respectively.

Regional birth registration ratios based on the 12 NUTS-1 level regions, which will be used for smoothing the age-sex distribution of the population and calculating the initial populations, were given in the relevant table: in the Section 4.2.4.

4.4.4. Assumptions for Projections of the 81 Provinces

In this part of the thesis, provincial assumptions will be presented. These are directly related with regional trends and assumptions. In Section 4.2.4, general assumption processes of the provincial projections were given in a detailed way, by examples and contributions of the illustrations that were presented in Section 4.3. The baselines of assumptions for the projections of the 81 provinces are given below:

Table 4.4.4.1 Provincial TFR and urbanization assumptions

PROVINCE	TFR (2008)	TFR (2023)	TFR (2008)	TFR (2023)	Urban Percent (2008) (%)	Urban Percent (2023) (%)
01 Adana	Adjusted TFR	Own Trend	2.35	2.00	84.56	93.73
02 Adiyaman	Adjusted TFR	UN-Medium	2.84	1.90	52.15	63.79
03 Afyon	Adjusted TFR	Own Trend	2.46	2.07	39.05	47.06
04 Ağrı	Adjusted TFR	Own Trend	4.57	3.38	41.40	52.81
05 Amasya	Adjusted TFR	UN-Medium	2.01	1.90	53.03	66.59
06 Ankara	TFR	UN-Low	1.69	1.40	94.83	95.41

Table 4.4.4.1 Provincial TFR and urbanization assumptions (cont)

PROVINCE	TFR (2008)	TFR (2023)	TFR (2008)	TFR (2023)	Urban Percent (2008) (%)	Urban Percent (2023) (%)
07 Antalya	TFR	UN-Low	1.74	1.40	63.44	79.43
08 Artvin	TFR (without 1993 TDHS)	UN-Low	1.76	1.40	14.12	18.24
09 Aydın	Adjusted TFR	Own Trend	1.86	1.57	47.99	60.70
10 Balıkesir	TFR	Own Trend	1.80	1.51	50.27	61.65
11 Bilecik	TFR	UN-Low	1.77	1.40	49.41	63.93
12 Bingöl	Adjusted TFR	UN-High	2.74	2.40	33.63	48.45
13 Bitlis	Adjusted TFR	Own Trend	4.13	2.95	30.40	36.28
14 Bolu	TFR	UN-Low	1.72	1.40	53.05	76.94
15 Burdur	Adjusted TFR	Own Trend	1.82	1.47	41.23	48.89
16 Bursa	TFR	Own Trend	1.83	1.54	87.15	96.63
17 Çanakkale	TFR	UN-Low	1.53	1.40	38.57	51.62
18 Çankırı	Adjusted TFR	UN-Medium	1.94	1.90	38.38	58.22
19 Çorum	Adjusted TFR	Own Trend	2.31	1.92	56.58	78.30
20 Denizli	Adjusted TFR	Own Trend	1.92	1.63	52.23	70.82
21 Diyarbakır	Adjusted TFR	Own Trend	3.64	2.45	64.37	78.47
22 Edirne	TFR	UN-Low	1.51	1.40	59.19	72.01
23 Elazığ	TFR	UN-Low	1.89	1.40	57.09	71.18
24 Erzincan	TFR	UN-Medium	1.91	1.90	40.85	48.84
25 Erzurum	Adjusted TFR	UN-High	2.69	2.40	49.04	62.47
26 Eskişehir	TFR	UN-Low	1.53	1.40	80.86	94.52

Table 4.4.4.1 Provincial TFR and urbanization assumptions (cont)

PROVINCE	TFR (2008)	TFR (2023)	TFR (2008)	TFR (2023)	Urban Percent (2008) (%)	Urban Percent (2023) (%)
27 Gaziantep	Adjusted TFR	UN-Medium	3.00	1.90	84.36	93.33
28 Giresun	TFR (without 1993 TDHS)	UN-Low	1.83	1.40	30.00	31.98
29 Gümüşhane	TFR (without 1993 TDHS)	UN-Medium	2.44	1.90	19.97	24.69
30 Hakkari	Adjusted TFR	Own Trend	5.71	4.52	46.86	57.29
31 Hatay	Adjusted TFR	Own Trend	2.63	2.27	50.48	54.13
32 Isparta	TFR	Own Trend	1.85	1.50	43.15	56.74
33 İçel	Adjusted TFR	Own Trend	2.07	1.71	74.46	85.62
34 İstanbul	NUTS-1 Region					
35 İzmir	TFR	UN-Low	1.60	1.40	89.73	95.36
36 Kars	Adjusted TFR	UN-High	2.93	2.40	30.99	39.32
37 Kastamonu	TFR (without 1993 TDHS)	UN-Low	1.70	1.40	29.94	40.58
38 Kayseri	Adjusted TFR	UN-Medium	2.28	1.90	75.34	93.87
39 Kırklareli	TFR	UN-Low	1.55	1.40	55.86	70.60
40 Kırşehir	Adjusted TFR	UN-Medium	2.07	1.90	55.08	68.87
41 Kocaeli	Adjusted TFR	Own Trend	1.87	1.58	92.48	95.43
42 Konya	Adjusted TFR	Own Trend	2.64	2.25	66.86	85.87
43 Kütahya	Adjusted TFR	Own Trend	1.87	1.48	51.12	70.01
44 Malatya	TFR	UN-Medium	1.93	1.90	56.04	68.81
45 Manisa	Adjusted TFR	Own Trend	1.87	1.59	57.25	68.67
46 K.Maraş	Adjusted TFR	Own Trend	3.17	2.81	51.87	61.67

Table 4.4.4.1 Provincial TFR and urbanization assumptions (cont)

PROVINCE	TFR (2008)	TFR (2023)	TFR (2008)	TFR (2023)	Urban Percent (2008) (%)	Urban Percent (2023) (%)
47 Mardin	Adjusted TFR	Own Trend	4.09	2.90	46.08	56.31
48 Muğla	TFR	Own Trend	1.79	1.50	35.91	49.50
49 Muş	Adjusted TFR	UN-High	3.33	2.40	27.33	39.98
50 Nevşehir	Adjusted TFR	UN-Medium	2.21	1.90	29.07	38.63
51 Niğde	Adjusted TFR	Own Trend	2.62	2.23	40.17	52.84
52 Ordu	TFR (without 1993 TDHS)	UN-Medium	2.33	1.90	36.63	49.84
53 Rize	TFR (without 1993 TDHS)	UN-Low	1.53	1.40	43.63	68.57
54 Sakarya	Adjusted TFR	Own Trend	1.96	1.67	65.28	85.60
55 Samsun	TFR (without 1993 TDHS)	UN-Medium	2.07	1.90	58.03	72.59
56 Siirt	Adjusted TFR	Own Trend	5.10	3.91	50.19	68.39
57 Sinop	TFR (without 1993 TDHS)	UN-Medium	2.00	1.90	30.42	41.37
58 Sivas	Adjusted TFR	Own Trend	2.41	2.02	49.03	64.05
59 Tekirdağ	TFR	UN-Low	1.68	1.40	65.15	85.12
60 Tokat	Adjusted TFR	Own Trend	2.69	2.30	50.51	62.58
61 Trabzon	TFR (without 1993 TDHS)	UN-Low	1.62	1.40	34.28	44.39
62 Tunceli	Adjusted TFR (UN-Low Variant)	UN-Low	1.40	1.40	33.07	45.26
63 Şanlıurfa	Adjusted TFR	Own Trend	3.94	2.76	56.56	63.50
64 Uşak	Adjusted TFR	Own Trend	1.86	1.47	51.80	65.27
65 Van	Adjusted TFR	Own Trend	5.05	3.87	41.41	50.66
66 Yozgat	Adjusted TFR	Own Trend	2.48	2.09	40.75	59.07

Table 4.4.4.1 Provincial TFR and urbanization assumptions (cont)

PROVINCE	TFR (2008)	TFR (2023)	TFR (2008)	TFR (2023)	Urban Percent (2008) (%)	Urban Percent (2023) (%)
67 Zonguldak	TFR (without 1993 TDHS)	UN-Low	1.45	1.40	49.56	59.51
68 Aksaray	Adjusted TFR	Own Trend	2.49	2.10	43.53	55.29
69 Bayburt	Adjusted TFR	UN-High	2.48	2.40	42.31	52.14
70 Karaman	Adjusted TFR	Own Trend	2.42	2.03	55.27	72.35
71 Kırkkale	Adjusted TFR	UN-Medium	2.06	1.90	68.86	77.53
72 Batman	Adjusted TFR	Own Trend	4.36	3.17	65.84	80.21
73 Şırnak	Adjusted TFR	Own Trend	6.06	4.87	58.15	75.22
74 Bartın	TFR (without 1993 TDHS)	UN-Low	1.63	1.40	25.89	38.40
75 Ardahan	Adjusted TFR	UN-Medium	2.16	1.90	0.00	0.00
76 Iğdır	Adjusted TFR	UN-High	3.32	2.40	41.20	52.87
77 Yalova	TFR	Own Trend	1.78	1.49	46.12	56.60
78 Karabük	TFR (without 1993 TDHS)	UN-Low	1.51	1.40	66.24	80.41
79 Kilis	Adjusted TFR	UN-High	2.72	1.90	65.04	72.28
80 Osmaniye	Adjusted TFR	Own Trend	2.61	2.25	65.93	76.05
81 Düzce	Adjusted TFR	Own Trend	1.86	1.47	43.19	71.29

Details about urbanization, migration, ASFR, sex ratio, life table assumptions were given in the Section 4.2.4.

Urbanization trends will be calculated by the past urban percent values of the provinces. There are some problems about the trends of the most urbanized provinces. Percent values of them exceed the 100 percent limit in frequently in the

future period. Urbanization values will be assumed as constant in a plausible level of the trend, for these types of provinces. These provinces are given with explanations, below:

- *01-Adana*: Urbanization will be assumed that will be stabled in 2018, at the level of “93.73”.
- *06-Ankara*: Urbanization will be assumed that will be stabled in 2010, at the level of “95.41”.
- *16-Bursa*: Urbanization will be assumed that will be stabled in 2017, at the level of “96.63”.
- *27-Gaziantep*: Urbanization will be assumed that will be stabled in 2018, at the level of “93.33”.
- *35-İzmir*: Urbanization will be assumed that will be stabled in 2016, at the level of “95.36”.
- *41-Kocaeli*: Urbanization will be assumed that will be stabled in 2011, at the level of “95.43”.

In addition to these cases, there is no urban population in 75-Ardahan. The total population size was declining in first-trial of the projections. It will be assumed as “0” until the end of the period.

Internal migration statistics of ABPRS 2007-2008 database that was acquired from TurkStat will be used as constant for all provinces and regions. The rationality of this approach was defined in the relevant previous sections. There are some appreciable differences between the internal migration statistics of the GPC 2000 (SIS 2005) and ABPRS 2007-2008 data for some units.

In some cases, directions of the net migration are even different from the past censuses. Some of these examples are: 18-Çankırı, 28-Giresun, 29-Gümüşhane, 31-Hatay, 33-İçel, 37-Kastamonu, 38-Kayseri, 51-Niğde, 57-Sinop, 74-Bartın, 79-Kilis

etc. 62-Tunceli, which is famous with its regular negative net migration values, has positive net migration sizes in the ABPRS 2007-2008 database.

In some different cases net migration sizes have the same direction, but there is great variation between the two statistical values. Some of these provinces are:

- *10-Balikesir*: 6 times higher values,
- *13-Bitlis*: 5 times higher values
- *22-Edirne*: 3 times higher values
- *66-Yozgat*: 3 times higher values
- *76-Iğdır*: 15 times higher size,
- *77-Yalova*: 100 times higher size etc... (In the extraordinary situation of Yalova it is presumed that there can be an effect of the earthquake disaster that was took place in 1999).

But altogether ABPRS is more useful and constant variant is an essential choice for this study.

Regional birth registration ratios based on the 12 NUTS-1 level regions, which will be used for smoothing the age-sex distribution of the population and calculating the initial populations of the provinces, were given in the relevant table: in Section 4.2.4.

Regional life expectancy (e_0) assumptions for the 5 demographic regions will be used for the all provinces, except 34-İstanbul and the provinces of the TRC-Southeast Anatolia region. TDHS 2003 and TDHS 2008 surveys give IMR estimations for 5 demographic regions and also for the two NUTS-1 level regions: TR1-İstanbul and TRC-Southeast Anatolia. Estimations of these two regions will be used for the initial values of the relevant provinces mentioned above. All e_0 values about the units were presented in Section 4.4.2.

TFR trend assumptions of all provinces that lie in the 04-North demographic region will be calculated without TDHS 1993 survey estimation of the region, because of a too sharp decline in the trend.

Initial TFR values of the provinces that are lower than “2.10” (replacement level) will not be adjusted. TFR estimations of the provinces that lie in the 04-North region will not be adjusted due to the low fertility levels and the problems about the trend calculation of these low levels.

TFR estimation and calculated initial value of 62-Tunceli will be assumed as constant and equal to “1.40” that is the “UN-Low variant” estimation because of too low calculated TFR values.

Methodological baselines of this thesis are given in the sections above. The next phase of the study is generating the following population projections and getting the outputs.

CHAPTER 5

FINDINGS

The framework and rationale of this study has been given in the earlier chapters, by reviewing the literature, preparation and assumption processes of the projections methodologically. In this phase, all of the referenced projections have been generated according to this comprehensive framework.

In this chapter and under this title, there will be brief comments on all projection results and their demographic expressions. Descriptions of population making, comparisons, updating and analyzing phases will be given. Demographic outputs will be discussed with their causalities. National, regional and provincial outputs of the projections, especially for the total population sizes, will be compared with the point of view for consistency each other.

General summary input/output variables and annual age-sex distribution of projections are presented in the Appendix section, at the end of the thesis. The tables were made by a command of *Spectrum* software, which includes input variables and outputs that were calculated due to inputs and assumptions. These findings tables, which are functional summary tables, include the results of the three national projections of Turkey, five separate projections of the demographic regions, 12 separate projections of the NUTS-1 level regions and 81 separate projections of the provinces. This thesis doesn't include any NUTS-2 level regions based population projections because of the aforementioned technical reasons.

The projections were made by an order from the sub-units to the upper levels. Provincial projections were generated by their initial assumptions, in the first stage. Then, regional projections were designed with their own assumptions on the

demographic components and urbanization assumptions that are directly based on the relevant provincial projection results of the total urban/rural populations. All of these regional and provincial projections were made with the conditions to not violate the general methodological rules, which are mentioned several times in the previous parts of the thesis.

After the first trial-projections, quality control of the provincial projections was practiced according to the outputs of these trial-studies. The basic approach and principle for these controls and comparisons is: “*Regional outputs involve less methodological error than the provincial ones.*” The regions that are mentioned in the principle are especially the five demographic regions, which have more reliable and representative demographic data from the past. But in some cases, the reverse of this principle was used as a secondary principle. This means, provincial and regional projections were updated several times, according to the reciprocal comparisons of the population sizes and adjustments.

The updating process has been also affected from any approach modifications. For example, the first trials had been executed by the migration assumptions due to the internal migration statistics of GPC 2000. Migration data of ABPRS 2007-2008 database was published thereby, by TurkStat. When it was decided to make the migration assumptions by this new data, after several months from the publication, there was an obligation of updating all projections separately and restarting the cross-comparisons. Expiration of the projection making phase came after repeatedly comparing processes because of that and like that occasions.

The reliability of projections is due to the reliability of demographic data. This rule is parallel to the perspectives for projections. The outputs are only an answer to “*what would happen if...*” question. This study is only an answer that is chosen from the pool of the uncountable answers about forecasting the future. It is must not be forgotten that, these outputs are only the results of assumptions for the

demographic components according to some various calculation standards; and must be used with care as a reference.

All of the projection results will be defined orderly in the next sections and sub-sections of this chapter. They will be in order from national to provincial comments. Provinces will be presented under the titles of their relevant NUTS-1 level regions.

Before these discussions, a comparison will be made between the population size forecasts of the all projections, at national level. Annual population sizes from the regional and sub-regional projections will be added each other and also will be compared with the national projections, in the section below: Section 5.1.

5.1. COMPARISON OF THE OUTPUTS

A very briefly comparison table is given below, which includes:

- Annual totals of 81 province projections,
- Annual totals of 5 demographic region projections,
- Annual totals of 12 NUTS-1 level region projections,
- Annual results of *Model-1* (National Turkey projection by *Spectrum*, with own trends, that includes the assumption and trend process like its regions and provinces),
- Annual results of *Model-2* (National Turkey projection by *Spectrum*, with UN-World Population Prospects- Medium variant TFR assumptions),
- Annual results of *Model-3* (National Turkey projection by *Spectrum*, with the TFR and “e0” life expectancy assumptions of TurkStat ABPRS updated population projections),
- Original results of TurkStat ABPRS updated population projections, with the “end of the year” values from TurkStat.

Table 5.1.1 Annual results of population size values of the projections and TurkStat projection.

	2008	2009	2010	2011	2012	2013	2014	2015
Total of 81 Provinces	71,517,098	72,347,245	73,163,273	73,965,945	74,754,295	75,528,684	76,288,481	77,033,282
Total of 12 NUTS-1 Regions	71,517,107	72,286,442	73,041,943	73,783,648	74,511,121	75,223,950	75,922,794	76,606,812
Total of 5 Regions	71,517,096	72,291,466	73,049,905	73,792,939	74,520,023	75,231,296	75,929,778	76,611,059
Model 1- Turkey-Spectrum (Own Trends)	71,517,099	72,323,752	73,113,531	73,880,832	74,625,726	75,348,076	76,053,082	76,734,450
Model 2- Turkey-Spectrum (UN-Medium TFR)	71,517,099	72,341,606	73,155,253	73,964,461	74,769,368	75,563,876	76,353,222	77,131,130
Model3- Turkey-Spectrum (TurkStat TFR and e_0)	71,517,099	72,317,780	73,104,296	73,883,040	74,654,108	75,411,323	76,159,977	76,893,373
Turkey-FIVFIV (TurkStat)*	71,477,000	72,297,000	73,093,000	73,890,000	74,671,000	75,444,000	76,219,000	76,980,000
	2016	2017	2018	2019	2020	2021	2022	2023
Total of 81 Provinces	77,761,418	78,471,220	79,162,034	79,832,507	80,481,729	81,109,124	81,713,227	82,293,649
Total of 12 NUTS-1 Regions	77,273,953	77,922,788	78,551,096	79,158,935	79,744,981	80,308,675	80,849,674	81,366,283
Total of 5 Regions	77,274,330	77,918,396	78,542,162	79,145,808	79,727,114	80,285,859	80,821,450	81,333,241
Model 1- Turkey-Spectrum (Own Trends)	77,390,997	78,022,005	78,632,151	79,214,624	79,768,730	80,293,962	80,795,902	81,267,965
Model 2- Turkey-Spectrum (UN-Medium TFR)	77,902,474	78,660,487	79,409,852	80,149,849	80,873,748	81,587,173	82,283,586	82,968,603
Model3- Turkey-Spectrum (TurkStat TFR and e_0)	77,616,551	78,322,293	79,015,457	79,694,982	80,354,049	80,998,101	81,620,500	82,226,693
Turkey-FIVFIV (TurkStat)*	77,731,000	78,471,000	79,195,000	79,912,000	80,614,000	81,307,000	81,977,000	82,639,000

*: ABPRS-2008 projections, TurkStat (“End of the year” values).

The results in the table give some important considerations of projections. All projections have positive population growth until 2023. This is a conspicuous point that means the long path of Turkey to the end of the third phase in the demographic transition process has not been finished and will not be finished until 2023. Annual differences between the population sizes of all projections are declining each other. Population growth rate will decline in Turkey, according to the projections of Turkey as a whole. The comments about the demographic transition are only for Turkey national projections and the total values of regional and provincial projections which are all about the Turkey as a whole. One of the purposes of this study is to observe the future demographic structures of the regions and sub-regions separately. Results of the regional and sub-regional projections will be presented in the relevant sub-titles.

For comparison, differences between the forecasts of all projections for the same year could be examined. Results of the regional totals and the *Model-1* are not too far away from each other. This case can be explained by the similar and cross-compared assumptions of regional and national projections of this thesis. Provincial results are quite different and higher than these three projections.

Model-1, *Model-2* and *Model-3* are dissimilar each other like the group that was mentioned above. This is an expected case, according to the noticeable assumption differences of the basic demographic components: fertility and mortality. Forecasts of *Model-2* and *Model-3* are too close with the original TurkStat-*FivFiv* projections; in the case of *Model-3* has already the similar assumptions with the ones of the TurkStat projection. This means the forecasts of the *FivFiv* and *Spectrum* have very small differences with the similar demographic assumptions.

The most striking picture in this view is the insignificant variation between the 2023 values of population sizes which are estimated by the provincial totals and the original *Model-3* projection. The difference is approximately 67000. There is a growing difference between the two trends until 2017, and the difference decreases

after 2017. It is a result of the decreasing growth of the province totals. Similar cases can be seen between the regional totals and the *Model-1* projection.

It is clearly seen that, all projections have given results which have plausible differences between each other. Consequently; all projections and regional totals implicate that, Turkey will have positive decreasing population growth rates until 2023.

5.2. RESULTS OF NATIONAL, REGIONAL AND PROVINCIAL PROJECTIONS

Summaries of the demographic outputs for the national, regional and sub-regional projections are given in the Appendix tables, at the end of this thesis, after the all chapters. In this section, the significant findings from those tables will be dealt with at national and regional levels.

5.2.1. Findings of National Projections for Turkey

Summary tables of the three alternative methods are presented in Appendix-A, before the tables of all of these regional and sub-regional projections.

As mentioned in the previous section; population growth of Turkey will decelerate and a decline of the growth rate will be observed according to the all national population projections alternatives other. The population size of Turkey will exceed 80 million and will be near 81-83 million in 2023, if the demographic components behave according to the assumptions that were designed for these model projections.

Mortality and fertility levels were assumed to be decreasing for all of the three models, conveniently with the baselines of third stage of the demographic transition. In the previous chapters, demographic transition was defined in detail for the World and for Turkey. Turkey is in the third phase of demographic transition process (Canpolat 2008; DiE 1995; Yavuz 2008).

According to the national projections, TFR values will decrease and mortality conditions will improve. Life expectancy and urbanization will rise. Mean age of childbearing will be higher. In spite of the very low mortality levels, especially for the infant and child mortality, the annual numbers of deaths will not be low. It is a sign of the ageing of the population. Mortality rates will be fall despite the rising numbers of deaths.

Sizes of rural population are going to be approximately halved. Doubling times of the population sizes are important support about the decreasing growth rates. Doubling times are going to continually increase according to the national projections.

Comments on the future population pyramids and age groups for Turkey are clearly feasible. The percent of population between 0-4 and 5-14 are going to be decreasing, however the percentage of individuals who will be 65 years and over, are going to be rising. Increases in percentages of these age groups mean more prominent increments in the population sizes of the relevant old age groups. These cases can be easily seen in the indicative tables of Appendix-A that present the age and sex distribution of total populations, for every five years.

Future demographic behavior of Turkey will have the suitable characteristics for the third stage of the demographic transition and also will be more close to the end of the stage, according to the national population projections of this study. There

is no observation about any declining population sizes of Turkey until 2023, with the assumption of zero net migration size. The process of transition will be still going on.

5.2.2. Findings of Regional Projections for the 5 Demographic Regions

Summary tables of the 5 demographic regions are presented in the Appendix-B, at the end of this thesis. There will be brief discussions on the outputs of the regional projections for the 5 demographic regions, under the relevant subtitles below.

5.2.2.1. Findings for 01-West

01-West region has very low TFR levels, with a calculated initial value of 1.71, and a posterior value of 1.42, which were assumed from the past trends of the regional data. Life expectancies of both sexes are fairly high. IMR and “under 5 mortality” (child mortality) rates are going to be very low in the future, with a degree of 3.3. This case is originated from the trend calculation of the past IMR trend of this region.

Population size of the region is going to increase because of high net migration size assumptions, according to ABPRS 2007-2008 database internal migration statistics. Declines in crude birth rates and crude death rates of the region will be observed until 2023.

Percent of 0-4 age group population will decrease with the incremental growth in the age group of 65-over population, in the future. Mortality levels will be lower and deaths will increase. These situations are similar with the national projections of Turkey. But the region has lower fertility and mortality levels than the national ones. Comments on the future population pyramids and age groups for the

region are similar with the comments for national projection models. Median age will increase from 30 to 36. Population ageing will be a considerable issue in the future.

Positive growth rate will affect the population size dramatically, depending to the positively high net migration sizes. Population size will be growing up from 28.6 million to 34.8 million until 2023. Growth rate of the total population size will be decreased from 1.50 percent to 1.08. It is not a considerable decline.

This region is more advanced than Turkey total in the progression on the third phase of demographic transition. It cannot be said that the region will or will not see the end of the stage, because of the high net migration sizes that affect the all demographic structure by its characteristics and age/sex distributions.

5.2.2.2. Findings for 02-South

02-South region will have higher mortality and fertility levels than the levels of 01-West, according to the relevant assumptions. Current estimations of TFR values for the both regions are below the replacement level of fertility. But mortality level of this region is rather higher than the 01-West region. In parallel with this case, life expectancies of the both sexes are assumed as lower degrees.

Population size of the region will increase greatly in the future, according to the assumptions. Population size will be growing up from 9.6 million to approximately 10.6 million until 2023. Doubling time will increase a little. This means a decreasing growth in population size. In parallel, growth rate of population size will decrease from 1.21 percent to 0.87 percent.

Assumed TFR values are 2.07 for 2008, and 1.90 for 2023. There will be a little decline in the number of births and level of crude birth rates, considering a prominent growth in the number of deaths.

Population ageing is again a future issue in this region, but not as conspicuous as in the 01-West.

02-South is a region goes after the 02-West region with a notably difference about the speeds, on the long road to the end of the last demographic transition stage.

5.2.2.3. Findings for 03-Central

03-Central region is the second biggest demographic region after the 01-West. The region has an initial TFR of 2.17 for 2008 and 1.78 for 2023. The initial TFR value is proximate to 2.10.

Negative net migration is an important assumption, because an ageing issue will be occurred according to the summary table of this region: Table B.3.a. Percentage of age groups over 65 years will be growing with an accelerating rate until 2023, from 7.85 to 10.99 percent. Median age will increase from 30 to 36, like the 01-West region. This can mean the out-migration of younger individuals.

Population size will grow positively from 15.3 to 16.5 million, notwithstanding the negative net migration assumptions. Doubling time of the population size will jump from 85.5 to 340.5 according to the slowing process of population growth. Population growth rate will decrease from 0.81 percent to 0.20 percent, which is a low value that is closely near to zero.

There will be a very decline in the number of births, according to low fertility level assumptions that will go below 2.10 in 2011.

03-Central region may accelerate while going to the finish of its demographic transition in the future, if rising of population ageing, declining of fertility levels and rapid urbanization will occur together.

5.2.2.4. Findings for 04-North

Population size of the 04-North region will increase until 2016, and will start to decline rapidly, if conditions of the assumptions will be occurred. Out-migration sizes and the rapidly decreasing fertility levels will be the cause of this result. Doubling time in 2016 is given as 2745 years, in Table B.4.a. Population growth rate will have negative values after 2016. It is 0.41 percent in 2008 and will decrease to -0.37 in 2023.

According to the assumptions from trend calculations, TFR values decline sharply and the mortality rates fall off slowly. As a result, life expectancies will not be so high, but ageing will be occurring because of diminishing numbers of births and out-migration of the individuals at the reproductive age groups. Median age will jump from 32 to 40. Percentage of the elderly population (65+) will grow up from 10.13 to 14.13 percent. CBR (Crude Birth Rate) will be lower than CDR (Crude Death Rate) after 2020.

Population size of the 04-North region will decrease after 2016, according to out-migration especially from the rural areas to the other regions. Urban population of the region will not decrease despite the decline in the total population, parallel to the assumptions on urbanization. This case is very important for this study. Similar cases like this could cause “Agglomerations in the urban areas” in future.

5.2.2.5. Findings for 05-East

05-East region has the biggest differences between the regional projection and the totals of the provinces in the region. Because, there some provinces which show very different behaviors. The assumptions of the region and the provinces of the region are very different in 05-East. As a result, estimation error is high in parallel with the large intervals of assumptions. TFR values are higher than the other regions, migration restlessness is too high. All of these are problems about demographic indicators and forward trends of them.

TFR value is assumed as 3.18 for 208 and 2.40 for 2023. Mortality levels that are relative to the chosen life tables are considerably high. But it is not wrong choice for the region. All demographic components have different behaviors than the other regions.

Net migration size of the region is negative and considerably high. But population size will grow until 2023, despite of the provocative values of out-migration. This growing will be with decreasing growth rate, because the doubling time jumps from 100 to 325.7. Population growth rate will decrease from 0.69 percent 0.21 percent, which is close to zero. This case is affected by the negative values of the net migration sizes.

Percentage of elderly population will not experience any explicit rising. Current dependency ratio is higher than the other regions: 0.72. Dependency ratio will be decreased to 0.51 in 2023. This value is like the current levels of the other regions. This case is related to the high percentage of current population sizes of the 0-4 and 5-14 age groups. Percentage values of these groups will decrease until 2023. This case indicates that there will be an ageing process which will start after 2023.

The 05-East region is following the other regions with a lag of approximately 15-20 years, according to the outputs of the regional projections.

5.2.3. Findings of Regional Projections for the 12 NUTS-1 Level Regions and the Provincial Projections

Summary tables of the 12 NUTS-1 level statistical regions are presented in the Appendix-C. Summary tables of the projections for 81 provinces are presented in the Appendix-D, at the end of this thesis.

There will be brief discussions on the outputs of the regional and sub-regional projections for the 12 NUTS-1 regions and for the 81 provinces that are all NUTS-3 level sub-regions included by the NUTS-2 regions. Comments on any specific province will be placed under the relevant subtitle of NUTS-1 region thereof.

5.2.3.1. Findings for TR1-İstanbul

TR1-İstanbul is also a NUTS-2 and NUTS-3 level region in and of itself. In this study, 34-İstanbul province which is a NUTS-3 level region like all other provinces is dealt only as a NUTS-1 level region. Assumptions and calculations have been held in according to this espousal.

In İstanbul, all TFR values are between 1.90 (UN-Medium Variant) and 1.40 (UN-Low Variant), which starts with 1.77 as an initial value and complete the period with 1.48 as a posterior value. There are very high urbanization percent levels for this region (province). It is assumed that it will stop at 99.21 in 2011 and constant until 2023.

Mortality levels are very low in İstanbul, in the current estimations. IMR estimation of TDHS-2008 survey is 9 for the region. But it has been assumed as 14 for trend calculation process. However IMR value of 2023 has been occurred as 1.2, according to the chosen life table: Coale-Demeny West. Calculated life expectancy levels are high in general.

According to the results from Table.C.1.a., population size of İstanbul will continue to grow with a rate that will not slow greatly. This case can be seen by the doubling time measures. Dependency ratio will decrease from 0.43 to 0.37. Percentage of elderly population will not so high. But it can be seen that the number of elderly individuals will be raised, when the age distributions of the population is observed. Because the population size of İstanbul is potentially high.

Net migration assumption was designed as positive according to the ABPRS 2007-2008 database.

Under these conditions, population size of İstanbul will grow to 15.1 from 12.6 million, in 2023. Population growth rate will reduce from 1.40 to 1.00 until 2023.

5.2.3.2. Findings for TR2-West Marmara and Provincial Projections Thereof

TR2-West Marmara has the lowest level of fertility that was the lower limit for the assumptions of this study. TFR has been assumed as constant and equal to 1.40., because of the very low past values of the regional trend.

Positive direction of the net migration assumption contributes to the population growth. Population growth rate will have positive values that reduce from 1.11 percent to 0.91 percent.

In the future of the region; a substantial ageing problem will occur according to the summary table. Doubling time measures will not increase very much. It means that the growth of population size will continue. IMR will decline from 17.3 to 8.6. Dependency ratio will not change very much. Percent values of 0-4 and 5-14 age groups will decrease, however the percentage of elderly population will increase from 10.17 to 13.83 percent.

CBR and CDR values are lower than the other regions and will be close to each other from 2008 to 2023, with a decreasing trend of the differences between them.

TFR values are considerably low and will be lower for the provinces of this region. 59-Tekirdağ has very high in-migration values. Absolute total of male immigrant size of 22-Edirne is almost zero. But size of female population is negative. This may be due to the military population. There will very many similar provinces in the future tables of the other regions.

Ageing will also be an important issue for 10-Balıkesir, 17-Çanakkale, 22-Edirne and 39-Kırklareli provinces. Median ages of the population will dramatically increase. CBR will be lower than CDR after 2017 in 17-Çanakkale and after 2014 in 22-Edirne. Edirne will have negative population growth rates, and the population size will decrease fast.

Population growth rate of Kırklareli will be decrease from positive values to the negative ones, and the population size of the province will begin to decrease after 2016. Population growth rate of 59-Tekirdağ will be notably high values upon the high degrees of in-migration sizes. Population size, especially the urban population, will increase incredible in Tekirdağ.

5.2.3.3. Findings for TR3-Aegean and Provincial Projections Thereof

Demographic structure of TR3-Aegean will be similar to the western regions. Population size will grow with decreasing growth rates, according to the increasing doubling time values from 67.1 to 120.9 years. Population growth rate will decrease from 1.04 percent to 0.57 percent until 2023. The initial population of 9.4 million will be reached at 10.6 million in 2023. The ageing issue will arise, according to the growing percentage values of the elderly population from 8.68 to 11.34 percent. Dependency ratio will not vary too much from 2008 to 2023, in consequence of the decline in the 0-4 and 5-14 age groups.

In TR3-Aegean region, 35-İzmir and 64-Uşak have the lowest TFR values. 35-İzmir has very high urbanization levels. It has been assumed as stopped at 95.36, in 2016.

Population size of 03-Afyon and 64-Uşak will decrease after 2011, and will decrease very fast in 43-Kütahya. In Kütahya, CBR will lower than CBR after 2017. Population growth rates of 48-Muğla will be in high levels.

Ageing will be another important issue for the provinces of this region in the future, especially for 43-Kütahya. Median ages of the provincial populations will increase.

5.2.3.4. Findings for TR4-East Marmara and Provincial Projections Thereof

TFR values and the other fertility levels of the TR4-East Marmara region is currently low and will be lower in the future, upon to the projection outputs. Beginning value of TFR is 1.78 and finishing value is 1.49. Both of the values of the trend are under 2.10.

This region will have a level of population growth rate that will be affected by high positive net migration levels. The population growth rate, which begins with 2.07 percent, will reduce to 1.46 percent until 2023.

This is a region that has very high immigration levels. This component is very effective in impacting the population growth. In the future, dependency ratios will be reduced and median age of the population will rise from 30 to 35. Ageing will begin to occur in this time period. This case can be seen at the age distribution table in the Appendix C: in Table C.4.b.

The region is one of the most urbanized regions in Turkey. In the TR4-East Marmara region, the most urbanized provinces are 16-Bursa and 41-Kocaeli. Bursa is to be assumed be stopping at 94.53 percent in 2015; and Kocaeli at 95.11 percent in 2011. Urbanization is speeding up in 26-Eskişehir and 81-Düzce.

There is a problem about migration data of Sakarya, which experienced an earthquake in 1999, like Düzce and Kocaeli.

Population size of 11-Bilecik will decrease after 2012, will decrease continually in 14-Bolu. But there will be no decline in the urban population sizes. 16-Bursa and 41-Kocaeli will have high levels of population growth rate, which will be decrease continually. It is an important finding for this study. Population sizes of the metropolitan areas will grow until 2023.

Population size of 77-Yalova will incredibly rise, according to the high in-migration assumptions.

Ageing will be an important issue for the provinces of this region in the future, especially for 14-Bolu.

5.2.3.5. Findings for TR5-West Anatolia and Provincial Projections Thereof

TR5-West Anatolia region includes the capital- city, 06-Ankara. Urbanization levels are high and net migration size is positive in this region.

Fertility levels will be in a reducing process from 2.37 to 1.98 of TFR values, according to the assumptions in for 2008-2023 time periods. This means, the region will reach to 2.10 replacement level around in the year 2018 or 2019. This finding is parallel to the doubling time estimations of the projection. Doubling time level begins with 42.3 years in 2008 and will reach to 71 years in 2023. The population growth rate will decrease from 1.65 percent to 0.98 percent and the growing will slow down between 2008 and 2023.

There will not be major changes in the level of the dependency ratios. Percentage of elderly population and median age of the population will be rising at the end of the period.

Urbanization assumption of Ankara had to been made steady at level of 95.41 percent, in 2010. Urbanization in 42-Konya and 70-Karaman will be speeding up.

Population growth rate of 06-Ankara will not be very low. Annual growth rates will be usually higher than 1 percent. It is a metropolitan area, and its population size will increase. Population size of 42-Konya will rapidly decline with its decreasing growth rate.

5.2.3.6. Findings for TR6-Mediterranean and Provincial Projections Thereof

TR6-Mediterranean region is the same with the region 02-South region which is one of the five demographic regions. The discussion about this region was

presented in the Section 5.2.2.2. There will be only the provincial comments of the region in this part of the study.

In TR6-Mediterranean Region, 01-Adana is the most urbanized province. There are problems about migration values of 33-Mersin and 80-Osmaniye. Mersin has very high out-migration of 20-24 age males. Osmaniye is a newer province; the matter may be due to this fact. 46-Kahramanmaraş has the highest TFR values in that region.

Sex ratio in 01-Adana and 15-Burdur will be lower than 105 and also lower than 100. Population growth rate of 07-Antalya will be high.

Population size will decrease in 15-Burdur, and its population growth rate will be negative. CBR will be lower than CDR levels in Burdur.

Population growth of 32-Isparta will slow and the growth rate will reach levels very close to zero. Ageing will be occurred in Isparta. Median age will be rising.

5.2.3.7. Findings for TR7-Central Anatolia and Provincial Projections Thereof

TR7-Central Anatolia is one of the regions that will lose population size at the end of the period. Initial and posterior TFR values are under 2.10, the replacement level, upon the assumptions. TFR is 2.06 in 2008 and will be 1.90 that is the UN-Medium variant assumption for the end of the period. Mortality levels will be reduced and life expectancy will increase. Negative sizes for net migration and the decreasing indicators of fertility and mortality will cause to declines in population sizes, until 2023.

Another ageing issue will be occurred in this region, too. Dependency ratio will be reduced and percentage of elderly population in total population will jump from 7.59 to 11.8 percent. Median of the population will rise to 36, from 28. This result may be originated from the age structure of the out-migrants.

In TR7-Central Anatolia, population sizes of 40-Kırşehir, 66-Yozgat, 71-Kırıkkale etc. are going to decline because of negative migration size assumptions especially. Urbanization will increase quickly in 38-Kayseri.

CBR will be lower than CDR after 2020 in 40-Kırşehir, after 2021 in 58-Sivas and after 2019 in 71-Kırıkkale. Growth rate of Kırşehir, Sivas and Kırıkkale populations are negative. But urban population will grow positively in Kırşehir and Sivas, bt negatively in Kırıkkale.

There will be incredible declines in the population size of 66-Yozgat. Population growth rate is negative and will decrease to very high negative levels. Ageing will be occurring and the percentage of elderly population will increase from 8.33 percent to 18.55 percent. This case may originate from the negative levels of the migration assumption and its age/sex structure.

5.2.3.8. Findings for TR8-West Black Sea and Provincial Projections Thereof

TR8-West Black Sea region will have an interesting demographic structure in the future. Fertility levels that were started with 1.87 TFR value will decrease to lowest low values for Turkey, to 1.40. Mortality will again reach to considerably lower degrees, especially for female population. Life expectancy will be 75.3 years for males and will be 79.7 for females, upon the IMR trend assumptions.

Net migration assumption will be effective for the population growth by its negative values. Population size of the region will rise until 2011 and will start to

decline until 2023 overall. It will reach to 4.3 million although it has started with a size of approximately 4.5 million. This case can be seen by observations on the doubling time and growth rate measures. The growth rate will be -0.55 percent in 2023, although it was 0.13 percent as a positive value in 2008.

The most important result is ageing at provocative degrees. Percentage of the elderly population over 65 years, in the total population will reach to 15.61 percent. Median age of the population will jump from 32 to 41. Age distribution tables present more information in detail. Table C.8.b is presented in the Appendix C.

The decline of total population will be experienced by the rural population sizes, because the population sizes of the urban areas will not be reduced.

CBR is higher than CDR in 2008, and it will be lower than CDR in 2023. Both of the indicators will be reduced in the projection period. This is another case for the negative growth of the population size after 2011.

TR8-In West Black Sea; TFR values of 67-Zonguldak, 37-Kastamonu, 74-Bartın and 78-Karabük are very low, and migration levels are very highly negative for most of them. 19-Çorum will be fast urbanized. Population sizes of almost all provinces are declining dramatically in except 55-Samsun, 57-Sinop and 74-Bartın. But urban population will grow positively.

Declines in the population size may be originated from TFR trend values of North region and negative net migration sizes of the provinces.

Ageing will be occurring to exceptional degrees in most of the provinces, due to the decreasing population size and high levels of the out- migration. Median ages will jump to much higher levels.

5.2.3.9. Findings for TR9-East Black Sea and Provincial Projections Thereof

TR9-East Black Sea has similar troubles with TR8-West Black Sea region. Fertility begins with higher levels that the TFR value is 2.04 in 2008, and finishes the period with 1.40 TFR value in 2023. Mortality will not be as low as the TR8-West Black Sea region.

Population size which has started with 2.5 million will grow until 2013 and after that declines until 2023 to the 2.4 million level.

The region has low urbanization ratios. However population size of the urban areas will grow until 2023. The decline in the total population will be especially affected by the rural population sizes. The growth rate of the population will decrease from 0.24 percent to -0.53 percent until 2023.

In this region, ageing will be occurring in the same fashion observed in the TR8-West Black Sea region. The population percentage of the elderly groups will be reached to 14.05 percent. Median age of the population will be rise from 31 to 40.

5.2.3.10. Findings for TRA-Northeast Anatolia and Provincial Projections Thereof

TRA-Northeast Anatolia region is one of the regions that have high levels of fertility. TFR is assumed as 2.51 for 2008 and directly declining to 2.40 in 2023. Life expectancy levels are not very high, because of the calculation process related to the chosen life table: Coale-Demeny East.

The migration assumption has a great impact on the results for population size. Negative values of migration and the effects of the other demographic

components make changes on the population size. Population size has an initial level as 2.2 million, and ends the interval with 1.5 million in 2023. Growth rate of the population size starts and end with negative values which is -1.46 percent in 2008 and will be -3.12 in 2023.

Ageing will take place markedly despite the high levels of fertility in this region. Percentage of elderly population will grow from 5.95 percent to 10.4 percent. Median age will rise from 23 to 33. It can be said that, the age and structure of out-migrants will shape the ageing process.

Urbanization has low levels with 40.47 percent in 2008 and 51.1 percent in 2023. Both of the urban and rural population sizes will reduce until 2023.

In TRA-Northeast Anatolia region; TFR and urbanization level of 24-Erzincan is much lower than the other provinces, as an interesting case. Net migration sizes of most of the provinces are negative and very high. The urban percent of 75-Ardahan is zero. Generally, initial TFR levels are high in this region. Total population sizes will decline in many provinces, again because of negative migration values. This case may be because of the soldier population and constant migration assumptions.

Ageing will occur in 24-Erzincan, 69-Bayburt and 75-Ardahan. The growth rate of these provinces will be at negative levels and will increase absolutely. CBR will be lower than CDR after 2019 in Erzincan, Bayburt and Ardahan. But urban population will grow in Erzincan.

5.2.3.11. Findings for TRB-Central East Anatolia and Provincial Projections Thereof

TFR values start with a high values in this region. The assumption interval for TFR is between 3.25 and 2.40. Mortality levels are high and will not decline very sharply, in this region. Life expectancies of the both sexes will not be as high as the western regions. This case is also a result of the chosen life table.

There will not be very many increases in the population size, despite the high levels of fertility. Out-migration and bad mortality conditions may be on the origin of this case. Population size which has an initial value of 3.6 million in 2008 will be 3.8 million in 2023, upon the demographic assumptions. These increments will be by the effects of decreasing growth rates, according to the increasing doubling time values. Growth has positive values that will be decreasing from 0.67 percent to 0.07 percent until 2023.

Net migration sizes will affect the population size negatively. Urbanization has low levels with 43.82 percent in 2008 and 55.62 percent in 2023.

Population ageing will not be too appreciable an issue between 2008 and 2023 according to these results. Median age of the population will increase from 22 to 27.

TRB-Central East Anatolia region includes 23-Elazığ, 44-Malatya and 62-Tunceli provinces which have very low TFR levels. Migration assumption of 30-Hakkari is difficult because of military population. Total population of low TFR provinces will decline, also because of the impact of migration assumptions.

Population sizes of 13-Bitlis and 49-Muş will decline, despite the high TFR fertility levels. This result depends on the negative net migration levels.

Population ageing will be experienced in 62-Tunceli. This province has the lowest low level of TFR assumptions. CBR values are lower than the CDR values, and will be continue to be lower, in Tunceli. Urban population will not decrease despite the declines in the total population size.

5.2.3.12. Findings for TRC-Southeast Anatolia and Provincial Projections Thereof

The highest TFR values in the NUTS-1 level regions will be observed in the TRC-Southeast Anatolia region, with an initial value of 3.39 in 2008 and a posterior value of 2.40 in 2023. Mortality levels are high and will not decline very sharply, like the levels of the TRB-Northeast Anatolia region. But IMR values of this region are higher than the others. It can be clearly seen from the future trends of life expectancies. Population growth rate will not decline very much, according to the doubling time measure that is 51.3 in 2008 and 78.80 in 2023.

Population size which has an initial value of 7.3 million in 2008 will be 8.7 million in 2023, upon the demographic assumptions. This is not slow growth, despite the high levels of out-migration. Growth rate of the total population size will decrease from 1.36 percent to 0.89 percent.

Population ageing will not be an issue between 2008 and 2023 according to these results. Median age of the population will increase from 20 to 26.

Urbanization rate of 27-Gaziantep is very high. Total population sizes of 72-Batman and 73-Şırnak will grow very fast according to these current assumptions.

This region follows the western regions with very slow progress on the path of the demographic transition.

5.3. EPILOGUE FOR THE ALL OUTPUTS

It can be seen net migration sizes and their age/sex distributions assumptions affect the results greatly, when the outputs of the study are observed in detail. However fertility and mortality are the main demographic effects that changes the population sizes with migration, these are more predictable than migration. Provincial projections have some problems especially for lower population sized ones. Assumption processes are difficult for these provinces.

The differences between regions and provinces based on other indicators can be clearly seen in the summary tables in Appendix section. This case designates that the wellbeing levels and developmental indicators vary by region in Turkey, and it seems they will continue to be unlike according to the outputs. Demographic issues of any region are different from the other ones.

A very different problem, which is not imperceptible in eastern regions, will be occurring in the western regions due to the projection results: Ageing of population. This issue is not in the main research subjects of this study. But the outputs drive the discussions on this demographic workspace. It can be seen that there will be a big problem regarding an ageing population in most of the provinces of Turkey, except the Eastern ones. Percents of age of 65 and over are increasing greatly, until 2023 in those provinces. Ageing may be occurring as the result of lower TFR values, increasing life expectancies and rising of living standards in the regions that are near to the end of their demographic transition process or the regions that have low fertility levels and very high out-migration levels. Age/sex structure of the migration is an important factor in this part of the discussion.

There have been some differences about age correction, life table usage, TFR, IMR and ASFR calculations in some NUTS-1 level regions because of structural modification about regions of historical surveys. These structures don't match each other one-to-one. Age corrections have been committed based on NUTS-1 regions. Life table selection, TFR, IMR and ASFR trend calculation have been executed based on five regions. For example; Afyon, which is a member of Aegean in NUTS-1 region, is a member of Central region of five regions. It means, there can be some different assumption patterns in a same NUTS-1 region.

Urbanization is another important case. Urban percent values and population sizes of urban areas are growing almost everywhere. This is also valid for the communities that lose population sizes. In spite of the decrease in total population size, urban population usually grows up.

It is necessary to repeat, migration assumptions are the most important and problematic stage of these projections.

In summary of the all comments on the regional projection outputs, there are deep differences between the demographic structures of the regions in Turkey, from the western to eastern ones. Western regions and provinces are near to the end of third stage of demographic transition upon their fertility and mortality levels. Population sizes of the western areas will usually increase with the considerable positive in-migration sizes. These positive in-migration levels will be sourced from the less developed and smaller provinces and the eastern provinces, especially from the rural areas everywhere.

The population growth will slow down in Turkey in the near future. Population growth rate will not be too high because of the low fertility and mortality levels of western areas. The population growth rate will not be too low because of the effects of the high fertility levels of the eastern regions and provinces.

It is assumed that all fertility and mortality levels will be in a declining process in all over Turkey, with different initial values and speeds. The total speed of the national demographic indicators of Turkey will be mainly depending on the acceleration of the eastern regions and the other units which are fallen behind the others. Western regions have a demographic structure that is similar to the more developed countries in the world; and a new discussion point “ageing” will be begun to being discussed which is the most popular demographic issue of more developed countries.

In the near future, Turkey will be a more urbanized country. Agglomerations will begin in the urban areas and the regions, especially in the ones that have high population density. All national, regional and provincial projections indicate that.

These are the comments for all projections that were generated and discussed in this section, in the coverage of this study. Results of all different models for national projections and the original projection of TurkStat have similar outputs with the regional and provincial totals.

CHAPTER 6

CONCLUSION

In this section, the study will be explained with its outputs and be explained in general terms. Findings of the study will be put together and rationale, contributions, risks and assumptions of the study will be discussed. As set out from the outcome of this study, some suggestions also will be recommended what to be done in Turkey for the future.

6.1. DISCUSSION OF THE STUDY

Monitoring and evaluation of population movements around the world has been performed since thousands of years and the most obvious and widespread tradition is mostly censuses. Although population censuses were conducted a few times as though irregular before the establishment of the Republic of Turkey, the first population census was carried out in 1927 and the next population censuses were carried out between 1935 and 1990 regularly, in years ending with 0 and 5 in Turkey by Turkish Statistical Institute (TurkStat). After 1990, population censuses have been decided to be carried out in years ending with 0. In 2007, Address Based Population Registration System was established and new page on administrative registration systems was opened. According to the Official Statistical Programme of Turkey, next census is going to be carried out in 2011.

Population projections are used to monitor and follow up the population movement as forward and backward in many economical and social areas. These areas can vary from a country to another. Population projection are produced and updated by TurkStat officially in Turkey like many national and international institutes.

Population projection methods are divided into two as mathematical methods and component methods; mathematical methods are used where demographical data is insufficient and generally evaluation of total population is made. Cohort-component method which is most advanced component method is considered population on the basis of age/sex distribution considers future assumptions of fertility, mortality and migration-related indicators which are three important demographic components and also was designed to give results in detail of age/sex. In addition, alternative methods and approaches such as structural models, probabilistic projections etc have emerged and are increasingly being developed recently. Cohort-component method attracts the attention as the world's most widely used method. TurkStat makes population projections in national level with cohort-component method and by using FIVFIV software. Provincial and regional based estimates are made by a mathematical method, ratio techniques by setting off the results of the national projections. The use of population projections in Turkey has come from 1950s to the present by developing. Population projections which were previously used for development plans has become a subject needed as much as it is now demanded at local level. In the recent past, several studies are focused on the population and household projections.

Semizer (1992) designed population projection until 2010 in Turkey and Tosun (1999) designed household projections for 2010. Soylu (2004) obtained a result that FIVFIV package program meets the needs in Turkey and also produces household projections with "Household Headship Rate Method" for Turkey. Canpolat (2008) made population and household projections with PEOPLE package program in order to examine elderly population in Turkey. Aydın (2009) used the general censuses between 1927 and 2000 and made comparative analysis of population projection methods; he found cohort-component method and an econometric method named "Panel Data Analysis" that has the most powerful forecasting levels.

The methodology used in this study is cohort-component method of population projections, which is very prevalent in Turkey and in the world. Premise of this study is making projecting the Turkey population by new approaches, software, stratifies and new database. This is the first trial-study for provincial based population projection with regional and provincial assumptions and also the first by ABPRS database, except the national projections of TurkStat.

This study was made in order to produce population projections intended for review of demographic structure in national, provincial and regional level until the centenary of the Republic of Turkey and to compare all obtained results with results of most current ABPRS-based population projections produced by TurkStat. Since projections that more difficult demographic estimates and assumptions can be carried out are aimed in this study according to national projections on regional basis and on the basis of province in lower level, middle-range population projections were produced, not long-range. Moreover, it is the first comprehensive study made as ABPRS-based; also it was aimed to demographically evaluate Turkey that was divided into regions with several different descriptions in several aspects.

While this analysis is made, *Spectrum-DemProj 4* software was used. Three scenarios were used for Turkey national projections. One distinct scenario for each and every projection for 5 demographical regions, 12 NUTS-1 level regions and for 81 provinces (NUTS-3 level) is designed. While assumptions are made, generally mathematical trend calculations were made in order to provide various standards and not to go beyond it; it was tried to give place to individual interpretation and expert opinion as little as possible. This study was designed in a manner to provide for the all regions and provinces entire Turkey when combined geographically, not from independent studies made for only certain region or provinces; it comprises projections made for overall provinces and overall regions.

In addition, when entire province and regional results are considered in terms of total to be obtained at the national level, it was considered as interconnected and

therefore standardization was made in assumptions. It was tried not to go beyond the provided standards. In brief, assumptions which are controlled and remained within certain limits were used, not free assumptions such as production of population projections of any province alone.

In the assumption stage of study and the trend calculation processes intended for future; fertility and mortality indicators for all projection units itself or the relevant region were obtained from the last four reports of TDHS-1993, TDHS-1998, TDHS-2003 and TDHS 2008 which were regularly carried out by HIPS every 5 years were used. Values that leads to formation of meaningless trends for various regions and provinces were not included in calculation. Linear trends were calculated with mathematical way in order not to disrupt default standards and not to add comment. Since linear trends are not useful in terms of demographic in normal conditions, projection range was not kept too long.

ADNKS 2008 database populations were obtained in detail of urban/rural and age/sex distribution for every unit through official demand from TurkStat. Birth registration ratios from TDHS-2003 database were received in regional level and age correction process of initial population was performed. Percentage values of urban population were obtained from ABPRS 2007, ABPRS2008, GPC 1990 and GPC 2000 at national and provincial levels; and trend calculations were made and assumptions were created. Since there is no sufficient information related to retroactive urbanization rates for regions, firstly provincial projections were completed for regional urbanization assumptions. Urban/rural populations of provinces were added in regional level, annual urbanization rates were obtained and it was used as assumption in regional projections. United Nations World Population Prospects (UN-WPP) 2008 Revision Turkey estimates were used in various situations. Coale-Demeny (CD) Life Tables were used as model life tables. CD-East was used for 05-East region as well as entire provinces in this region. CD-West was used for other all region and provinces. Such assumption was used because that the demographic structure of Turkey has two very different attitudes. Where TNSA

estimates which have initial values about ASFR depend on observation; UN-WPP estimates which are ending values depend on interpretation and expert opinion.

Internal Migration Statistics of 2000 General Population Census (TurkStat 2005) publication was used with regard to integral migration and five-year net migration values were converted to one-year values and first assumptions were prepared. However ABPRS 2007–2008 internal migration statistics that is equivalent to advancing times of assumption stage were officially explained and it was decided to exactly use this value. Such decision was taken by reason of the fact that since study is made ABPRS-based, it provides consistent estimates and it is considered that ADNKS migration values includes more current information. Moreover inclusion of one-year data not five-year as other alternative and dependence of administrative registers not declaration are also preferred. Except from these, migration statistics depending on 2000 GPC data created assumption problems for places that recently became province. For example, it is seen that almost all population of 80-Osmaniye migrates to 01-Adana.

The biggest problem about assumptions has occurred at this point. Assumptions provided in the standards have led to restrictions that are difficult to overcome, especially on internal migration. Also since the assumption for net migration in national level must always be nil, no modifications based on interpretation for provinces and regions was made as sourced; especially they are in connected position to each other in terms of internal migration for provinces and regions. Any change to be made in migration assumptions of any province or region assuredly lead to make change based on interpretation for all other units. Thus the required equation for net migration cannot be provided and this leads to inclusion of many expert opinions to the assumption process.

Migration is the most important, complex and the most unpredictable foot of demographic studies in Turkey. Fertility and mortality are partially more predictable than migration. Demographic registration systems may straighten this issue. ABPRS

is hoped to provide consistent data about internal migration. There are so many blank areas and absence of sufficient data for projections. Registration systems have not been improved enough, yet. Even though, the projection results of this study are not too far away from the official projections of TurkStat.

It was a hard process of collecting the necessary information from different sources and huddling them together with standard and faultless format. There were some blank areas for projecting present information to the future and forecasting versatility of future. The only and single mission of this thesis is filling in the blanks; that is all.

The initial resulting findings was evaluated primarily in terms of the total population, sums of provincial projections, and of regional projections were taken separately, each region was evaluated in terms of projection itself and its relevant provincial totals was evaluated in terms and consistency check was provided. According to the results of these controls, all assumptions were updated again when needs be.

Finally, all these results were compared with national-level projections made for Turkey's total population and ABPRS-based projections produced by TurkStat. According to results obtained from these comparisons, especially according to total of provincial projections and the assumptions of TurkStat, projections produced through Spectrum gives very close results to original projections of TurkStat. These comparison results are better than expected. All of the comparisons from different sizes exhibit this case.

When resulting findings were gotten together, Turkey's total population until 2023 will reach a value between approximately 81-83 million with decelerating growth rate and increasing population size at a gradually decreasing rate. Fertility and mortality levels will fall in all sub-regions and life expectancy at birth will

increase. It is seen that the population will become dense in cities and high population areas, rural population will be significantly reduced and declines in fertility and mortality levels will continue.

When the output of the study is considered, population appears to be rising across the country mostly by slowing down; it reveals that the last stage of demographic transition process is at a point near the end. When total population size is concerned, this case is also similar to the period which is the third phase of the logistic curve and at which the population growth is gradually slowing down and nearly stops. However regional differences continue in this regard.

However existence of many troubles especially for the regional and provincial assumptions, it is not impossible to make such a study. Reliability of projections is exactly due to the reliability of demographic data. Therefore, the estimation errors of this trial-study are not independent from the problems of demographic data of Turkey. It can be said that, provincial and regional projections can be generated by consistent approaches, although the insufficient demographic data issues of Turkey.

As mentioned previously in the relevant sections, the concept of projection was made by creating various assumptions, and it gives results that will occur in the circumstances of “*what would happen if ...?*”. Thus this study comprising separate projections in region and province level with cohort-component method by using current database is first comprehensive study ever made in Turkey. Since the demographic data sources in Turkey have not yet come the level in developed countries, the variety of acquired data, especially data related to internal migration, yet not enough; these results also absolutely and typically includes an error margin. This case is a risk taken from the beginning in all projection studies in general. In addition, this study is the study of a population projection covering the entire local unit in the national and regional level, not only on specific regions or provinces. The results of projections which were produced in this study should be carefully used by

considering all these constraints. Since a projection, is associated with the value of inputs used in the process, it cannot be methodologically considered as true or false according to the phenomenon in future period (Siegel and Swanson 2004).

When the obtained findings in regional and provincial levels are considered, deviation from final phase of demographic transition appears when mainly going to eastern regions from western regions. There are deep differences between the demographic structures of the regions in Turkey, from the western to eastern ones. Western regions are in an advanced level than the average in Turkey; they nearly reach to the end point of the demographic transition process or have reached. Fertility and mortality levels in these settlements decreased considerably. Population growth rate is still in the positive direction in general; accordingly this is resulted from the size of internal migration taken from other regions, especially from the rural areas of everywhere. The wellbeing levels and developmental indicators are regionally unlike in Turkey, and it seems it will continue to be unlike. Differences between the regions are also clearly seen when examined birth registration ratios even at the phase of assumptions.

When examined doubling time and population growth rate values, a tendency of population size which increases by slowing down can be seen in most regions and provinces. So now, Turkey proceeded to top section of “S”-shape of logistic curve mentioned that it was previously known in terms of compliance with demographic transition theory. Unless major disasters, destructions, warfare, etc are experienced, Turkey moves forward on a path that has no return and in fact, this progression proceeds rapidly.

When TFR values examined in NUTS-1 level, it can be said that TFR values of more than half of the 12 regions are fewer than “2.10” replacement level. This verifies prospective findings of this study which were obtained and interpretations that were made on it. The results of study present parallelism with scientific studies that has been done before.

Now, rapid population growth in Turkey got behind; there is no probability of re-acceleration of population growth and it can be certainly said that annual population growth rate will continue to decline hereafter (TÜSİAD 1999:56). Republic of Turkey's population growth rate will reach very low levels toward next century; it can reach nil in the process of time and maybe it can even reach negative values. In other words, the dream of “Turkey of 100 million population size” will be probably never realized (TÜSİAD 1999: 58).

It can be seen that age/sex distributions of net migration sizes affect the results so much. Urbanization is an important case. Urban percent values and urban population sizes will grow in almost everywhere, and also in the communities that will lose population sizes. Urban population usually grows up although the downfalls in the total population size.

However it is not in the main research subjects of this study, “ageing of population” will be occurred in the most regions, especially in the western regions, except the eastern ones. The outputs drive the discussions on this demographic workspace. In those regions, percentages of age groups of 65 and over are increasing too much until 2023. Ageing may be occurred as the result of lower TFR values, ascendant life expectancies and rising wellbeing standards in the regions that are near to the end of their demographic transition process or the regions that have low fertility levels and so high out-migration levels. Age/sex structure of the migration is effective about this part of the discussion.

Fertility and mortality levels will decline in all over Turkey, with different initial values and speeds. Average speed of the national demographic indicators of Turkey will depend on the acceleration of the eastern regions and the other units which are fallen behind the others. Western regions have a demographic structure that is similar to the more developed countries in the world.

Turkey will be a more urbanized country; and agglomerations will begin in the urban areas and the regions, especially in the ones that have high population density. All national, regional and provincial projections say that. This case is consistent with the assumptions on the fertility and mortality. Urbanization and declining of fertility are reciprocally consolidating components (DIE 1995:5). Urbanization is also an accelerating component for the demographic transition and is affecting mortality and fertility (Population Reference Bureau 2004).

Middle-range population projections were made in this thesis, and expert opinion was used less as source from feature of thesis. Population of Turkey and demographic structure of sub-regions were examined with plausible projections for the near future times. It is impossible to make deep comments in theory. However significant findings were obtained with regard to demographic transition process and regional stage differences.

In this study, at least one sample from each of censuses, sample surveys and registration systems that can be specified as the major source of 3 basic demographic data sources was used. Expert opinion was referred to in partial level. From each other demographic information together from different sources and filling the gaps between them have an important place, but also the resulting outputs having a rational structure is very pleasing.

6.2. FUTURE RESEARCH PERSPECTIVES

This thesis that differ from previous studies with assumptions, point of view and the output, revealed that it has to be done important debates in Turkey about the demographic issues.

The number of persons, units and organizations which are interested in population and/or household projections is very low in Turkey. Same method, approach and software were officially used for approximately 15 years; projections only at the national level are produced and updated. However this situation does not mean that projections are required less; it can be mentioned in creation of ever-increasing demand especially at the local level. In addition studies that regularly produce projections and provides different point of view except updates made by TurkStat are little if any.

In terms of demographic data sources, there are insufficiencies in studies that add up many indicators except TDHS studies carried out by HIPS especially with regard to fertility and mortality. There is no sufficient concrete administrative source or registration system that can be used as demographical data source except ABPRS.

Soylu (2004) tested consistency of FIVFIV method in his SIS specialist thesis study that he presented and found it successful. However, from that year up to this time in the world quite remarkable progress has been made. As parts related to literature attract attention, many organizations that can be considered as a pioneer in this regard and produce population projection, at that, make approaches to cohort-component method. Serious studies are made in the fields such as especially structural models, multistate cohort component methods and probabilistic projection and socio-economical factors are added to demographical components. More comprehensive and consistent results are obtained.

In the TurkStat expertness thesis presented by Aydın (2009); it is suggested to try it out a general modeling approach including models with shadow variable models or approaches which reflects structural change to modeling process as well as population information that are currently described in the studies to be held in this field hereafter. Studies which aimed at this field both officially and academically have not yet begun in Turkey. Even regular academic trainings on population projections are given scarcely.

Also the needs, approaches and goals about projections may be different. For example, projections can be made in many developed countries by the reasons of ethnicity, aging, labor, ecological concerns etc. Not currently being done in Turkey does not mean that it should not be done. Turkey has not been yet late on this issue. Projects should be produced to not fall behind on this issue and to increase qualification, data sources and specialized staff. It is suggested to develop liaison with international organizations and to regulate training studies. Thus it will be provided that Turkey does not fall behind about projections from the rapid advances in the world

For example, in the output of this thesis, it was seen that the population in the metropolitan areas will continue to become denser and the urban population will have continuously increased. But perhaps more indicators and factors will be added except fertility, mortality and migration, and different and more dramatic results may be obtained. If multivariate models such as structural models, etc. are established and, for example, if important factors such as water reserves are taken into account a very different result may be encouraged.

Similar situation is in question in terms of household projections. No discussion and study were made on household projections in this study. However it is suggested to produce household projections about especially urbanization and aging for Turkey. These indicators which proceed differently in national level should be considered as regional in terms of household projections. Household projections and population projections are not parallel to each other at all periods. In the event population growth increases at a gradually decreasing rate, stops and even total population decreases by having negative slope, it cannot be certainly said that there will be declines in the number of households in progress of time. Studies that were recently made in academic sense show that. Structures, numbers and distributions may differ by reasons such as urban culture, socioeconomic reasons etc. Transition to nuclear families and individual living culture depending on economic and social is

conspicuous as a situation encountered in Turkey and rapid process of change occurs in the issues such as housing quality, living standards etc. Despite all such movements, there is no institution or organization that regularly produces household projection in Turkey.

Especially when it is considered in terms of elderly population, importance of household projection increases, it presents big requirement in order to produce policy in national and regional level. There is no official attitude in this subject except academic studies made individually (Tosun 1999; Soylu 2004; Canpolat 2008).

Although population ageing is not main subject of this thesis, findings were encountered in resulting outputs, indicating that elderly population groups will considerably increase in proportion. Turkey is about to lose feature “*having young population*” that is positively expressed at every opportunity in the near future. If the event planned studies are made and precedence differences are provided on regional basis in this subject; there will be no need to get into panic with regard to elderly population. In these days which debates of “*making at least 3 baby*” is begun to make; this thesis study shows that Turkey should focus their attention on works to be made about ageing.

Outputs of study were revealed that there are demographic movements that differently proceed especially in regional level. The provinces having low TFR, low population size and high level of negative net migration values were encountered. Provincial values were used for TFR, not the regional levels. Sometimes corrections were made. It was seen that different interprovincial attitudes were exhibited in region itself. Therefore, it is not true to perceive even regional-level provinces as equal.

The demographic studies in national level should be reduced to the local level hereafter in Turkey where there are evident differences on regional basis. Local

decision mechanisms should be strengthened, local specialization should increase, and data which is comparable and has representative ability should be produced. Studies on this issue should be monitored closely. Local governments and municipalities should be developed because of serious growth to be occurred in cities and even “*agglomerations in the urban areas*”. Urban population will generally increase even in provinces where total population will decrease.

Different demographic structures which will occur between regions will require the creation of different local decision mechanisms. It is suggested by State Planning Organization by Law (No: 5449) to be carried out studies in demographic sense with yet the newly established Agencies for Development¹ in the regions in the level of 26 NUTS-2. Projects such as these will considerably increase the demand for population projections at the local level. For example, there are serious demands on population projections in local projects such as EKOSEP² (Technical Assistance for Supporting the Municipalities of Diyarbakır, Şanlıurfa, Gaziantep and Erzurum for the Solution of Economic and Social Integration Problems). Similar demands are expected to increase in the future.

When examined resulting findings, regions and provinces where fertility is high are places where also population rate is high in general. It is expected that socio-economical profile will continue to change because of urbanization rates will raise in Turkey and urban dweller’s behavior will improve socially and thus it is estimated that it will be more widespread. This development will be fast. In other words, probability of more rapid decrease of fertility and mortality levels than expected is in question. The distribution of fertility preferences of new generations who will live in urban culture is very important matter. This rapid decrease increases level of error about prospective estimate range and the assumption problem is

¹ Law of Agency for Development has been gone in effect on 18.02.2006. For details, see the official Website: <http://www.dpt.gov.tr/bgyu/kalkinmaajans/ajans.html>

² Economic and Social Integration Project (EKOSEP) was designed to provide assistance to Diyarbakır, Gaziantep, Erzurum Metropolitan and Şanlıurfa Municipalities to solve the problems experienced related to economic and social integration problems of the migrants. For details, see the Website: <http://www.ekosep.net/web/>

experienced. TFR estimate was calculated as 2.00 for urban and 2.67 for rural in TDHS 2008(HIPS 2009). This must be considered as very important result. When internal migration was examined, attitude that will be adopted by population that migrated to a place where less fertility has and according to this, a life culture continues to spread from regions having high fertility, especially from the eastern regions is very important.

Revert if necessary, monitoring and evaluation of statistics that will be produced in relation to internal migration are crucial. New data to be created in this subject will be monitored very well. If there is any study to be made with regard to internal migration, the population projections should be immediately updated based on the results of this study accordingly.

Addition of comprehensive point of view of this study to Turkey's population projections and as a different approach is intended. It is expected to perform a duty of "projector" that will illuminate the path of facts of national and local decision-makers and will be increasingly developed, not only as a weak light source held just for illumination of the uncertainty of future.

REFERENCES

ADALI, T., (2007), “*The Analysis of Tempo and Quantum Components of Period Fertility in Turkey*”, M.A. Thesis, Hacettepe University, Institute of Population Studies.

ALHO, J., and B. SPENCER, (1997), “*The Practical Specification of the Expected Error of Population Forecasts*”, *Journal of Official Statistics* 13: 203–225.

AUSTRALIAN BUREAU OF STATISTICS, (2000), “*Population Projections, Australia, 1999 to 2101*” Canberra, Australia: Australian Bureau of Statistics.

AYDIN, O., (2009), “*Nüfus Projeksiyon Yöntemleri Karşılaştırmalı Analizi*”, TÜİK Uzmanlık Tezi, Ankara.

BANKIER, M.D., (1988). “*Power Allocations: Determining Sample Sizes For Subnational Areas*”, *The American Statistician* (42), p.174-177.

BERKSAN, S., (1969), “*Nüfus Projeksiyonları*”, Devlet Planlama Teşkilatı, No: 312.3 B36, Ankara.

BONGAARTS, J. and R.A. BULATAO (Eds.), (2000), “*Beyond Six Billion. Forecasting the World’s Population*”, Washington, DC: National Academy Press.

BOWLEY, A., (1924), “*Births and Population in Great Britain*”, *The Economic Journal* 334: 188–192.

BOX, G. and G. JENKINS, (1976), “*Time Series Analysis: Forecasting and Control*”, San Francisco: Holden-Day.

BRASS, W., (1974), “*Perspectives in population prediction: Illustrated by the statistics of England and Wales*”, Journal of the Royal Statistical Society, Series A, Vol. 137, Part 4.

CAN, N., (2000), “*Türkiye’de Evlenme Hızlarının Yaşam Tablosu Yöntemi İle Bölge ve Cinsiyet Bazında İncelenmesi*”, Devlet İstatistik Enstitüsü Uzmanlık Tezi, Ankara.

CANNAN, E., (1895), “*The Probability of a Cessation of the Growth of Population in England and Wales during the Next Century*”, The Economic Journal 5: 506–515.

CANPOLAT, Ş., (2008), “*Population Ageing in Turkey: Current and Prospective Co-Residence Pattern of Elderly Population*”, Ph.D. Thesis, Hacettepe University, Institute of Population Studies, Ankara.

CANPOLAT, Ş., (2003), “*Türkiye’de Gerçekleştirilen Nüfus Sayımlarında Yaş Bildirim Kalitesinin Analizi*”, Devlet İstatistik Uzmanlık Tezi, Ankara

CARTER, L., and R. LEE, (1986), “*Joint Forecasts of U. S. Marital Fertility, Nuptiality, Births, and Marriages Using Time Series Models*”, Journal of the American Statistical Association 81: 902–911.

CASTERLINE, B.J. (2003), “*Demographic Transition*”, In: Encyclopedia of Population, Volume 1 A-H (Ed. by Paul Demeny and Geoffrey McNicoll), Macmillan Reference, U.S.A.

COALE, A.J. and P. DEMENY, (1966), “*Regional Model Life Tables and Stable Populations*”, Princeton, Princeton University Press.

COALE, A.J., and P., DEMENY, (1983), “*Regional Model Life Tables and Stable Populations*” . Second edition with Vaughan, B, New York and London, Academic Press.

CRUIJSEN, H., (1994), “*National Population Projections in the European Economic Area—A Field in Motion*”, Joint ECE-Eurostat, Work Session on Demographic Projections, Luxembourg, (May), ECE Working Paper No. 4. Geneva, Switzerland: UN Economic Commission for Europe.

DATA RESOURCES INCORPORATED, (1998), “*Review of the U. S. Economy: Long-Range Focus*”, MA: Data Resources Incorporated, Lexington.

DAVIS, H.C., (1995), “*Demographic Projection Techniques for Regions and Smaller Areas*”, Vancouver, BC: University of British Columbia Press.

de BEER, J., (1993), “*Forecast Intervals of Net Migration: The Case of the Netherlands*” Journal of Forecasting 12: 585–599.

DEMİRCİ, M., (2008), “*Demographic and Socioeconomic Profile of Households in İstanbul Metropolitan Area According to the UN-HABITAT Slum Criteria*”, M.A. Thesis, Hacettepe University, Institute of Population Studies.

DEVLET PLANLAMA TEŞKİLATI, (1977), “*Dördüncü Beş Yıllık Kalkınma Planı Nüfus Tahminleri*”, Ankara.

DİE, (1995), “*Türkiye Nüfusu, 1923 – 1994 Demografi Yapısı ve Gelişimi, 21. Yüzyıl Ortasına Kadar Projeksiyonlar*”, T.C Başbakanlık Devlet İstatistik Enstitüsü, ISBN 975 – 19–1226 – 1, Yayın No: 1839, Ankara.

DİE, (2003), “*2000 Genel Nüfus Sayımı - Nüfusun Sosyal ve Ekonomik Nitelikleri*”, Devlet İstatistik Enstitüsü (DİE), Yayın No: 2759, Ankara: Devlet İstatistik Enstitüsü Matbaası.

DUBEN, A. and C. BEHAR, (1991), *“İstanbul Households Marriage, Family and Fertility 1880-1940”*, Cambridge University Press, Cambridge.

EUROSTAT, (1998), *“Long-Term Mortality Scenarios for the Countries of the European Economic Area”*, By W. Van Hoorn and J. De Beer, EUROSTAT Working Papers, E. No:8.

GEORGE, M.V., (2001), *“Population Forecasting in Canada: Conceptual and Methodological Development”*, Canadian Studies in Population 28: 111–154.

GROENEWOLD, G. and K. NAVANEETHAM, (1998), *“The Projection of Populations: Data Appraisal, Basic Methods and Applications”*, Centre for Development Studies, Thiruvananthapuram, Kerala, India.

GÜRTAN, K., (1966), *“Türkiye’de Nüfus Problemi ve İktisadi Kalkınma İle İlgisi. Ekonomi Bölümü”*, İstanbul Üniversitesi , Yayın No. 1166.

GÜRTAN, K., (1968), *“Demografik Analiz Metodları”*, İstanbul Üniversitesi, İktisat Fakültesi. Yayın No. 260.

HALACY, D., (1980), *“Census: 190 Years of Counting America”*, New York, Elsevier/Nelson Books.

HANKE, J. A., G. REITSCH and D. WICHERN, (2001), *“Business Forecasting”*, 7th ed. Saddle River, NJ: Prentice Hall.

HIPS, (1994), *“1993 Turkey Demographic and Health Survey”*, Hacettepe University Institute of Population Studies, Ankara.

HIPS, (1999), *“1998 Turkey Demographic and Health Survey”*, Hacettepe University Institute of Population Studies, Ankara.

HIPS, (2005), “*2003 Turkey Demographic and Health Survey*”, Hacettepe University Institute of Population Studies, Ankara.

HIPS, (2009), “*2008 Turkey Demographic and Health Survey*”, Hacettepe University Institute of Population Studies, Ankara.

INDIAN OFFICE OF THE REGISTRAR GENERAL, (2001), “*Population Projections, Provisional Population Totals*”, Chapter 4, Census of India 2001, Series 1. New Delhi: Indian Office of the Registrar General.

IIASA, (1996), “*The Future Population of the World: What Can We Assume Today?*”, Revised and Updated Edition, Edited by Wolfgang Lutz, International Institute for Applied System Analysis, Laxenburg, Austria.

ISRAELI CENTRAL BUREAU OF STATISTICS, (1987), “*Projections of Population in Judea, Samaria, and the Gaza Area up to 2002, Based on the Population in 1982*”, Jerusalem, Israel: Israeli Central Bureau of Statistics.

JONES, J.H., (2005), “*Mathematical Hazards Models and Model Life Tables*”, Formal Demography, Stanford.

KARPAT, K.H., (1985), “*Ottoman Population 1830-1914- Demographic and Social Characteristics*”, University of Wisconsin Press, 1985, pp.18-77

KEYFITZ, N. and W. FLIEGER, (1971), “*Population: Facts and Methods of Demography*”, W.H. Freeman and Company, San Francisco.

KEYFITZ, N., (1981), “*The Limits of Population Forecasting*”, *Population and Development Review* 7 : 579-593.

KIRK, D. (1996), “*Demographic Transition Theory*”, *Population Studies*, Vol. 50., 361-387.

KOCAMAN, T., (Eylül 2002), “*Plan Nüfus Projeksiyon Yöntemleri*”, Sosyal Sektörler ve Koordinasyon Genel Müdürlüğü, Devlet Planlama Teşkilatı.

KUPISZEWSKI, M., and P. REES, (1999), “*Lessons for the Projection of Internal Migration from Studies in Ten European Countries*”, Working Paper No. 40. Conference of European Statisticians, Joint ECE-EUROSTAT Work Session on Demographic Projections, Perugia, Italy.

LEE, R., (1993), “*Modeling and Forecasting the Time Series of U.S. Fertility: Age Distribution, Range, and Ultimate Level*”, *International Journal of Forecasting* 9: 187–212.

LEE, R., (1998), “*Probabilistic Approaches to Population Forecasting. In W. Lutz, J. Vaupel*”, and D. Ahlburg, ed. “*Frontiers of Population Forecasting. A supplement to vol. 24*”, 1998, *Population and Development Review*, New York: Population Council.

LUTZ, W., SANDERSON, W., and S. SCHERBOV, (1996). “*Probabilistic Population Projections Based on Expert Opinion*”, in W. Lutz, ed. “*The Future Population of the World: What Can We Assume Today?*”, 2nd edition. London: Earthscan Publications Ltd.

LUTZ, W. and S. SCHERBOV, (1998), “*An Expert-Based Framework for Probabilistic National Projections: The Example of Austria*”, *European Journal of Population* 14: 1-17.

LUTZ, W., SANDERSON, W., and S. SCHERBOV, (2008), "*IIASA's 2007 Probabilistic World Population Projections*", IIASA World Population Program Online Data Base of Results 2008.

MAMOLO,S., and S.SCHERBOV, (2006), "*Probabilistic Population Projections for the EU-25*", European Demographic Research Papers No.1, Vienna Institute of Demography.

MILLS, E., and L. LUBUELE, (1995), "*Projecting Growth in Metropolitan Areas*" Journal of Urban Economics 37: 344–360.

NOTESTEIN, F.W. et al., (1944), "*The Future Population of Europe and the Soviet Union: Population Projections, 1940-70*", Geneva, League of Nations.

O'NEILL, B., BALK, D., BRICKMAN, M., and M. EZRA, (2001), "*A Guide to Global Population Projections*", Demographic Research 4(8): 204–288, www.demographic-research.org , retrieved July 2001.

B.C., DEBORAH, B., BRICKMAN, M., and M. EZRA, (2002), "*A Guide to Global Population Projections*", May, 2002.

PFLAUMER, P., (1992), "*Forecasting U.S. Population Totals with the Box-Jenkins Approach*", International Journal of Forecasting 8: 329–338.

POPULATION REFERENCE BUREAU, (2004), "*Transitions in World Population*", Population Bulletin, Vol.59. No.1, 1-13.

SEMİZER, S., (1992), "*2000'li Yıllarda Türkiye Nüfusu*", M.A. Thesis, Hacettepe University, Institute of Population Studies.

SHORTER, F.C., and S., BERKSAN, (1966), "*1965-2000 Yılları ve Plan Yılları için Nüfus Projeksiyonları*"

SHORTER, F.C. and D. PASTA, (1974), “*Computational Methods For Population Projections with Particular Reference to Development Planning*”, The Population Council, New York.

SHORTER, F.C., SENDEK, R. and BAYOUMY, Y., (1995), “*Nüfus Projeksiyonu Hesaplama Metodları*”, The Population Council, New York and Boğaziçi Üniversitesi, İstanbul.

SHYROCK, H.S., SIEGEL, J.S. and associates, (1973). “*The Methods and Materials of Demography*” 2 Vols. *Population Projections*, 24: 771-806, U.S. Bureau of The Census : Washington, D.

SIEGEL, J.S. and D. SWANSON, (2004), “*The Methods and Materials of Demography*”, Elsevier Academic Pres, California, 0-12-641955-8.

SOYLU, G., (2004), “*Nüfus ve Hanehalkı Projeksiyon Yöntemleri*”, Devlet İstatistik Enstitüsü Uzmanlık Tezi, Ankara

SPO, (1979), “*Dördüncü Beş Yıllık Plan Nüfus Tahminleri*”, DPT Yayını No: 1669, Ankara.

STATISTICS NEW ZEALAND, (2000), “*Subnational Population Projections: 1996 (Base) to 2021 (May 2000 Release)*”. Last accessed May 2002 online at: www.stats.govt.nz .

STOVER, J. and S. KIRMEYER, “*DemProj Version 4, A Computer Program for Making Population Projections*”, Futures Group, Washington, U.S.A.

STOVER, J., (2007), “*Demproj: A Computer Program For Making Population Projections*”. Washington, DC: USAID, Health Policy Initiative.

STOVER, J., (2007), “*Aim: A Computer Program For Making HIV/AIDS Projections and Examining The Social And Economic Impacts Of AIDS*” Washington, DC: USAID Health Policy Initiative.

THOMLINSON, R., (1965), “*Population Dynamics: Causes and Consequences of World Demographic Change*”, Random House, New York.

TOSUN, S., (1999), “*Türkiye’de Hanehalki Sayısının ve Konut Gereksiniminin Hanehalki Büyüklüğü Temelinde Tahmini: Hanehalki Reislği Hızı Yönteminin Türkiye Verilerine Uygulanması (1990-2025)*”, M.A. Thesis, Hacettepe University, Institute of Population Studies.

TÜRK TABİPLERİ BİRLİĞİ, (2001), “*13. Halk Sağlığı Gezici Eğitim Semineri Raporu*”, Ankara.

TÜSİAD (1999) “*Türkiye’nin Fırsat Penceresi Demografik Dönüşüm ve İzdüşümleri*” Türk Sanayicileri ve İşadamları Derneği, ISBN: 975 – 7249 – 78 – 5, İstanbul.

UNDIESA, (1983), “*Manual X: Indirect Techniques for Demographic Estimation. United Nations Department of International Economic and Social Affairs*”, Population Studies, No. 81, New York, U.S.A.

UNITED NATIONS, (1969), “*Methodology and Evaluation of Population Registers and Similar Systems*”, Series F, No. 15. New York: United Nations.

UNITED NATIONS, (1982), “*Model Life Tables for Developing Countries*”, United Nations publication, Sales No. E.81.XIII.7.

WADDELL, P., (2000), “*A Behavioral Simulation Model for Metropolitan Policy Analysis and Planning: Residential Location and Housing Market Components of Urban Slum.*” Environment and Planning B 27: 247–263.

WHELPTON, P., (1928), “*Population of the United States, 1925 to 1975*”, *American Journal of Sociology* 34: 253–270.

YAFFEE, R., (2000), “*Introduction to Time Series Analysis and Forecasting with Applications of SAS and SPSS*”, New York: Academic Press.

YAVUZ, S., (2008), “*Fertility Decline in Turkey From the 1980s onwards: Patterns by Main Language Groups*” Unpublished Ph.D. Thesis, Hacettepe University, Institute of Population Studies, Ankara.

APPENDIX A

SUMMARY TABLES AND AGE-SEX DISTRIBUTIONS OF

PROJECTION RESULTS FOR

TURKEY TOTAL

Table A.1.a Summary table for annual results of the population projection of Turkey total (*Model 1*)

Turkey Total (<i>Model 1</i>)	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	2.11	2.07	2.04	2.00	1.96	1.92	1.89	1.85	1.81	1.77	1.74	1.70	1.66	1.62	1.59	1.55
GRR	1.03	1.01	1.00	0.98	0.96	0.94	0.92	0.90	0.88	0.86	0.85	0.83	0.81	0.79	0.78	0.76
NRR	1.00	0.99	0.97	0.95	0.94	0.92	0.91	0.89	0.87	0.85	0.84	0.82	0.80	0.78	0.77	0.75
Mean A. Childb.	27.5	27.6	27.7	27.7	27.8	27.9	27.9	28.0	28.1	28.2	28.2	28.3	28.4	28.5	28.5	28.6
Child-woman ratio	0.33	0.32	0.32	0.31	0.30	0.30	0.29	0.28	0.28	0.27	0.26	0.26	0.25	0.24	0.24	0.23
Fertility table: Custom																
Mortality																
Male LE	73.1	73.1	73.3	73.6	73.8	74.1	74.3	74.6	74.9	75.1	75.4	75.7	75.9	76.2	76.5	76.8
Female LE	75.4	75.7	76.0	76.2	76.5	76.8	77.1	77.4	77.7	78.0	78.3	78.6	79.0	79.3	79.6	80.0
Total LE	74.3	74.4	74.6	74.9	75.2	75.4	75.7	76.0	76.3	76.6	76.9	77.1	77.4	77.7	78.0	78.3
IMR	15.5	14.8	14.2	13.5	12.9	12.2	11.5	10.9	10.2	9.6	8.9	8.3	7.6	6.9	6.3	5.6
U5MR	17.8	17.0	16.2	15.4	14.7	13.9	13.1	12.3	11.5	10.7	10.0	9.2	8.4	7.6	6.8	6.1
Life table: Coale-Demeny West																
Immigration																
Male immigration	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Female immigration	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total immigration	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vital Rates																
CBR per 1000	17.7	17.3	16.9	16.4	16.0	15.5	15.2	14.7	14.3	13.9	13.5	13.1	12.7	12.3	12.0	11.7
CDR per 1000	6.3	6.1	6.1	6.0	6.0	5.9	5.9	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.9
RNI percent	1.14	1.12	1.08	1.04	1.00	0.96	0.93	0.89	0.85	0.81	0.78	0.74	0.69	0.65	0.62	0.58
GR percent	1.14	1.12	1.08	1.04	1.00	0.96	0.93	0.89	0.85	0.81	0.78	0.74	0.69	0.65	0.62	0.58
Doubling time	61.0	62.5	64.5	67.1	69.8	72.6	75.1	78.4	82.1	86.1	89.7	94.6	100.1	106.3	111.9	119.7
Annual Births&Deaths																
Births	1,267,220	1,248,659	1,234,760	1,213,698	1,191,871	1,169,542	1,152,875	1,129,610	1,105,916	1,081,904	1,063,823	1,039,558	1,015,345	991,246	973,304	949,189
Deaths	450,156	442,006	444,981	446,397	446,976	447,193	447,869	448,242	449,369	450,896	453,677	457,085	461,239	466,013	471,364	477,126
Population																
Total population	71,517,099	72,323,752	73,113,531	73,880,832	74,625,726	75,348,076	76,053,082	76,734,450	77,390,997	78,022,005	78,632,151	79,214,624	79,768,730	80,293,962	80,795,902	81,267,965
Male population	35,901,154	36,324,511	36,737,982	37,138,876	37,527,108	37,902,791	38,268,526	38,621,128	38,960,016	39,284,842	39,598,018	39,896,161	40,178,752	40,445,715	40,699,714	40,937,555
Female population	35,615,945	35,999,242	36,375,549	36,741,956	37,098,618	37,445,285	37,784,556	38,113,322	38,430,982	38,737,163	39,034,134	39,318,462	39,589,978	39,848,247	40,096,188	40,330,410
Percent 0-4	8.76	8.63	8.49	8.32	8.14	7.93	7.73	7.54	7.34	7.15	6.96	6.78	6.59	6.41	6.24	6.07
Percent 5-14	17.81	17.58	17.33	17.08	16.85	16.64	16.43	16.22	16.01	15.78	15.53	15.27	15.00	14.70	14.39	14.06
Percent 15-49	54.48	54.46	54.45	54.43	54.41	54.38	54.32	54.25	54.17	54.08	53.98	53.87	53.74	53.61	53.48	53.35
Percent 15-64	66.61	66.93	67.26	67.60	67.93	68.22	68.48	68.71	68.92	69.11	69.30	69.46	69.62	69.78	69.93	70.07
Percent 65 and over	6.81	6.86	6.92	6.99	7.09	7.21	7.36	7.53	7.73	7.96	8.21	8.49	8.79	9.10	9.44	9.79
Percent females 15-49	53.96	53.93	53.91	53.90	53.87	53.83	53.77	53.70	53.62	53.52	53.41	53.28	53.13	52.98	52.82	52.67
Sex ratio	100.80	100.90	101.00	101.08	101.16	101.22	101.28	101.33	101.38	101.41	101.44	101.47	101.49	101.50	101.51	101.51
Dependency ratio	0.50	0.49	0.49	0.48	0.47	0.47	0.46	0.46	0.45	0.45	0.44	0.44	0.44	0.43	0.43	0.43
Median age	28	29	29	29	30	30	31	31	31	31	32	32	33	33	34	34
Urban population	49,514,528	50,785,739	52,064,145	53,334,573	54,611,107	55,878,133	57,153,891	58,417,937	59,683,937	60,935,186	62,190,169	63,427,149	64,660,532	65,873,166	67,084,837	68,273,217
Rural population	22,002,571	21,538,013	21,049,386	20,546,259	20,014,620	19,469,943	18,899,191	18,316,513	17,707,060	17,086,819	16,441,983	15,787,474	15,108,197	14,420,796	13,711,065	12,994,748
Percent urban	69.23	70.22	71.21	72.19	73.18	74.16	75.15	76.13	77.12	78.10	79.09	80.07	81.06	82.04	83.03	84.01
Percent rural	30.77	29.78	28.79	27.81	26.82	25.84	24.85	23.87	22.88	21.90	20.91	19.93	18.94	17.96	16.97	15.99

Table A.1.b Age groups and sex distribution for every five years from the population projection of Turkey total (*Model 1*)

Population by Age and Sex - Total							
Turkey Total (<i>Model 1</i>)							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	6,267,168	3,220,218	3,046,950	0-4	5,972,755	3,055,805	2,916,950
5-9	6,292,185	3,228,958	3,063,227	5-9	6,253,789	3,212,682	3,041,107
10-14	6,445,617	3,308,084	3,137,533	10-14	6,284,851	3,224,556	3,060,295
15-19	6,159,704	3,158,591	3,001,113	15-19	6,435,971	3,301,891	3,134,080
20-24	6,230,869	3,174,233	3,056,636	20-24	6,145,138	3,149,086	2,996,053
25-29	6,492,075	3,286,426	3,205,649	25-29	6,212,861	3,163,192	3,049,670
30-34	5,786,254	2,927,168	2,859,086	30-34	6,470,775	3,274,517	3,196,258
35-39	5,308,604	2,669,678	2,638,926	35-39	5,761,783	2,914,180	2,847,603
40-44	4,720,790	2,387,633	2,333,157	40-44	5,275,462	2,652,197	2,623,265
45-49	4,266,590	2,144,380	2,122,210	45-49	4,671,088	2,360,677	2,310,411
50-54	3,628,220	1,816,916	1,811,304	50-54	4,189,987	2,101,466	2,088,521
55-59	2,866,295	1,417,465	1,448,830	55-59	3,518,316	1,752,782	1,765,534
60-64	2,179,329	1,030,912	1,148,417	60-64	2,722,674	1,333,039	1,389,634
65-69	1,694,415	780,388	914,027	65-69	1,998,640	930,516	1,068,125
70-74	1,269,461	573,015	696,446	70-74	1,459,916	657,472	802,444
75-79	1,106,235	490,158	616,077	75-79	975,751	427,838	547,913
80+	803,288	286,931	516,357	80+	998,317	390,895	607,422
TOTAL	71,517,099	35,901,154	35,615,945	TOTAL	75,348,076	37,902,791	37,445,285
2018	Total	Male	Female	2023	Total	Male	Female
0-4	5,475,246	2,801,194	2,674,052	0-4	4,933,316	2,523,878	2,409,438
5-9	5,963,324	3,050,486	2,912,838	5-9	5,469,542	2,797,949	2,671,594
10-14	6,248,049	3,209,180	3,038,869	10-14	5,959,330	3,047,989	2,911,342
15-19	6,277,839	3,219,868	3,057,972	15-19	6,243,475	3,205,871	3,037,604
20-24	6,424,507	3,294,107	3,130,400	20-24	6,270,330	3,214,383	3,055,947
25-29	6,131,827	3,140,572	2,991,255	25-29	6,415,252	3,287,754	3,127,498
30-34	6,197,635	3,154,349	3,043,286	30-34	6,121,931	3,134,409	2,987,522
35-39	6,450,131	3,263,237	3,186,894	35-39	6,184,317	3,146,628	3,037,689
40-44	5,733,909	2,899,067	2,834,843	40-44	6,427,919	3,250,709	3,177,210
45-49	5,230,547	2,627,497	2,603,050	45-49	5,696,662	2,877,846	2,818,816
50-54	4,600,675	2,320,232	2,280,443	50-54	5,166,961	2,590,104	2,576,856
55-59	4,079,798	2,035,624	2,044,175	55-59	4,498,370	2,256,971	2,241,399
60-64	3,361,700	1,657,912	1,703,787	60-64	3,921,295	1,936,618	1,984,677
65-69	2,517,658	1,213,205	1,304,453	65-69	3,134,765	1,520,921	1,613,844
70-74	1,743,616	793,152	950,464	70-74	2,222,318	1,045,780	1,176,538
75-79	1,143,964	499,447	644,518	75-79	1,390,794	612,373	778,421
80+	1,051,728	418,891	632,837	80+	1,211,389	487,373	724,017
TOTAL	78,632,151	39,598,018	39,034,134	TOTAL	81,267,965	40,937,555	40,330,410

Table A.2.a Summary table for annual results of the population projection of Turkey total (*Model 2*)

Turkey Total (<i>Model 2</i>)	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	2.11	2.10	2.08	2.07	2.06	2.04	2.03	2.01	2.00	1.98	1.97	1.96	1.94	1.93	1.91	1.90
GRR	1.03	1.02	1.01	1.01	1.00	1.00	0.99	0.98	0.98	0.97	0.96	0.96	0.95	0.94	0.93	0.93
NRR	1.00	1.00	0.99	0.99	0.98	0.98	0.97	0.96	0.96	0.95	0.95	0.94	0.94	0.93	0.92	0.92
Mean A. Childb.	27.5	27.6	27.7	27.7	27.8	27.9	27.9	28.0	28.1	28.2	28.2	28.3	28.4	28.5	28.5	28.6
Child-woman ratio	0.33	0.32	0.32	0.31	0.31	0.31	0.30	0.30	0.30	0.29	0.29	0.29	0.28	0.28	0.28	0.28
Fertility table: Custom																
Mortality																
Male LE	73.1	73.1	73.3	73.6	73.8	74.1	74.3	74.6	74.9	75.1	75.4	75.7	75.9	76.2	76.5	76.8
Female LE	75.4	75.7	76.0	76.2	76.5	76.8	77.1	77.4	77.7	78.0	78.3	78.6	79.0	79.3	79.6	80.0
Total LE	74.3	74.4	74.6	74.9	75.2	75.4	75.7	76.0	76.3	76.6	76.9	77.1	77.4	77.7	78.0	78.3
IMR	15.5	14.8	14.2	13.5	12.9	12.2	11.5	10.9	10.2	9.6	8.9	8.3	7.6	6.9	6.3	5.6
U5MR	17.8	17.0	16.2	15.4	14.7	13.9	13.1	12.3	11.5	10.7	10.0	9.2	8.4	7.6	6.8	6.1
Life table: Coale-Demeny West																
Immigration																
Male immigration	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Female immigration	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total immigration	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vital Rates																
CBR per 1000	17.7	17.5	17.2	17.0	16.8	16.4	16.2	15.9	15.7	15.4	15.2	15.0	14.7	14.5	14.2	14.0
CDR per 1000	6.3	6.1	6.1	6.0	6.0	5.9	5.9	5.8	5.8	5.7	5.7	5.7	5.7	5.7	5.7	5.8
RNI percent	1.14	1.14	1.11	1.09	1.08	1.05	1.03	1.01	0.99	0.96	0.94	0.92	0.90	0.87	0.85	0.83
GR percent	1.14	1.14	1.11	1.09	1.08	1.05	1.03	1.01	0.99	0.96	0.94	0.92	0.90	0.87	0.85	0.83
Doubling time	61.0	61.2	62.7	63.7	64.7	66.3	67.4	69.1	70.4	72.3	73.8	75.4	77.8	79.6	82.2	84.3
Annual Births&Deaths																
Births	1,267,22	1,266,75	1,258,97	1,256,17	1,252,68	1,242,63	1,238,27	1,227,30	1,222,00	1,210,26	1,204,44	1,198,54	1,186,60	1,180,92	1,169,18	1,163,52
Deaths	450,156	442,249	445,324	446,969	447,774	448,130	448,927	449,398	450,664	452,252	455,079	458,551	462,709	467,503	472,777	478,504
Population																
Total population	71,517,09	72,341,60	73,155,25	73,964,46	74,769,36	75,563,87	76,353,22	77,131,13	77,902,47	78,660,48	79,409,85	80,149,84	80,873,74	81,587,17	82,283,58	82,968,60
Male population	35,901,15	36,333,64	36,759,33	37,181,66	37,600,60	38,013,20	38,422,08	38,824,07	39,221,69	39,611,49	39,995,88	40,374,61	40,744,06	41,107,29	41,460,77	41,807,55
Female population	35,615,94	36,007,96	36,395,92	36,782,79	37,168,76	37,550,67	37,931,13	38,307,05	38,680,78	39,048,99	39,413,96	39,775,23	40,129,68	40,479,87	40,822,81	41,161,05
Percent 0-4	8.76	8.65	8.54	8.43	8.31	8.19	8.07	7.96	7.84	7.72	7.60	7.49	7.38	7.27	7.16	7.06
Percent 5-14	17.81	17.57	17.32	17.06	16.82	16.59	16.38	16.19	16.01	15.83	15.65	15.47	15.28	15.10	14.90	14.71
Percent 15-49	54.48	54.45	54.41	54.37	54.31	54.22	54.11	53.97	53.82	53.64	53.45	53.24	53.01	52.76	52.51	52.26
Percent 15-64	66.61	66.91	67.23	67.53	67.80	68.03	68.21	68.36	68.47	68.55	68.62	68.65	68.67	68.67	68.66	68.64
Percent 65 and over	6.81	6.86	6.91	6.98	7.07	7.19	7.33	7.49	7.68	7.90	8.13	8.39	8.67	8.96	9.27	9.59
Percent females 15-49	53.96	53.92	53.88	53.84	53.77	53.68	53.57	53.43	53.27	53.09	52.89	52.66	52.42	52.15	51.88	51.61
Sex ratio	100.80	100.90	101.00	101.08	101.16	101.23	101.29	101.35	101.40	101.44	101.48	101.51	101.53	101.55	101.56	101.57
Dependency ratio	0.50	0.49	0.49	0.48	0.47	0.47	0.47	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46
Median age	28	29	29	29	30	30	31	31	31	32	32	32	33	33	33	34
Urban population	49,514,52	50,798,27	52,093,85	53,394,94	54,716,22	56,038,17	57,379,44	58,719,93	60,078,38	61,433,84	62,805,25	64,175,98	65,556,26	66,934,11	68,320,06	69,701,92
Rural population	22,002,57	21,543,33	21,061,39	20,569,51	20,053,14	19,525,70	18,973,77	18,411,20	17,824,08	17,226,64	16,604,60	15,973,86	15,317,48	14,653,05	13,963,52	13,266,68
Percent urban	69.23	70.22	71.21	72.19	73.18	74.16	75.15	76.13	77.12	78.10	79.09	80.07	81.06	82.04	83.03	84.01
Percent rural	30.77	29.78	28.79	27.81	26.82	25.84	24.85	23.87	22.88	21.90	20.91	19.93	18.94	17.96	16.97	15.99

Table A.2.b Age groups and sex distribution for every five years from the population projection of Turkey total (*Model 2*)

Population by Age and Sex - Total							
Turkey Total (<i>Model 2</i>)							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	6,267,168	3,220,218	3,046,950	0-4	6,188,555	3,166,217	3,022,338
5-9	6,292,185	3,228,958	3,063,227	5-9	6,253,789	3,212,682	3,041,107
10-14	6,445,617	3,308,084	3,137,533	10-14	6,284,851	3,224,556	3,060,295
15-19	6,159,704	3,158,591	3,001,113	15-19	6,435,971	3,301,891	3,134,080
20-24	6,230,869	3,174,233	3,056,636	20-24	6,145,138	3,149,086	2,996,053
25-29	6,492,075	3,286,426	3,205,649	25-29	6,212,861	3,163,192	3,049,670
30-34	5,786,254	2,927,168	2,859,086	30-34	6,470,775	3,274,517	3,196,258
35-39	5,308,604	2,669,678	2,638,926	35-39	5,761,783	2,914,180	2,847,603
40-44	4,720,790	2,387,633	2,333,157	40-44	5,275,462	2,652,197	2,623,265
45-49	4,266,590	2,144,380	2,122,210	45-49	4,671,088	2,360,677	2,310,411
50-54	3,628,220	1,816,916	1,811,304	50-54	4,189,987	2,101,466	2,088,521
55-59	2,866,295	1,417,465	1,448,830	55-59	3,518,316	1,752,782	1,765,534
60-64	2,179,329	1,030,912	1,148,417	60-64	2,722,674	1,333,039	1,389,634
65-69	1,694,415	780,388	914,027	65-69	1,998,640	930,516	1,068,125
70-74	1,269,461	573,015	696,446	70-74	1,459,916	657,472	802,444
75-79	1,106,235	490,158	616,077	75-79	975,751	427,838	547,913
80+	803,288	286,931	516,357	80+	998,317	390,895	607,422
TOTAL	71,517,099	35,901,154	35,615,945	TOTAL	75,563,876	38,013,203	37,550,674
2018	Total	Male	Female	2023	Total	Male	Female
0-4	6,037,545	3,088,875	2,948,670	0-4	5,857,011	2,996,442	2,860,570
5-9	6,178,725	3,160,674	3,018,051	5-9	6,031,229	3,085,281	2,945,948
10-14	6,248,049	3,209,180	3,038,869	10-14	6,174,587	3,158,089	3,016,498
15-19	6,277,839	3,219,868	3,057,972	15-19	6,243,475	3,205,871	3,037,604
20-24	6,424,507	3,294,107	3,130,400	20-24	6,270,330	3,214,383	3,055,947
25-29	6,131,827	3,140,572	2,991,255	25-29	6,415,252	3,287,754	3,127,498
30-34	6,197,635	3,154,349	3,043,286	30-34	6,121,931	3,134,409	2,987,522
35-39	6,450,131	3,263,237	3,186,894	35-39	6,184,317	3,146,628	3,037,689
40-44	5,733,909	2,899,067	2,834,843	40-44	6,427,919	3,250,709	3,177,210
45-49	5,230,547	2,627,497	2,603,050	45-49	5,696,662	2,877,846	2,818,816
50-54	4,600,675	2,320,232	2,280,443	50-54	5,166,961	2,590,104	2,576,856
55-59	4,079,798	2,035,624	2,044,175	55-59	4,498,370	2,256,971	2,241,399
60-64	3,361,700	1,657,912	1,703,787	60-64	3,921,295	1,936,618	1,984,677
65-69	2,517,658	1,213,205	1,304,453	65-69	3,134,765	1,520,921	1,613,844
70-74	1,743,616	793,152	950,464	70-74	2,222,318	1,045,780	1,176,538
75-79	1,143,964	499,447	644,518	75-79	1,390,794	612,373	778,421
80+	1,051,728	418,891	632,837	80+	1,211,389	487,373	724,017
TOTAL	79,409,852	39,995,886	39,413,965	TOTAL	82,968,603	41,807,551	41,161,052

Table A.3.a Summary table for annual results of the population projection of Turkey total (*Model 3*)

Turkey Total (<i>Model 3</i>)	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	2.11	2.10	2.08	2.07	2.06	2.04	2.03	2.01	2.00	1.98	1.97	1.96	1.94	1.93	1.91	1.90
GRR	1.03	1.02	1.01	1.01	1.00	1.00	0.99	0.98	0.98	0.97	0.96	0.96	0.95	0.94	0.93	0.93
NRR	1.01	1.00	0.99	0.99	0.98	0.98	0.97	0.96	0.96	0.95	0.95	0.94	0.93	0.93	0.92	0.92
Mean A. Childb.	27.5	27.6	27.7	27.7	27.8	27.9	27.9	28.0	28.1	28.2	28.2	28.3	28.4	28.5	28.5	28.6
Child-woman ratio	0.33	0.32	0.32	0.31	0.31	0.31	0.30	0.30	0.30	0.29	0.29	0.29	0.28	0.28	0.28	0.27
Fertility table: Custom																
Mortality																
Male LE	71.4	71.3	71.4	71.5	71.6	71.7	71.8	71.9	72.0	72.1	72.2	72.3	72.5	72.6	72.7	72.8
Female LE	75.8	75.9	76.1	76.3	76.4	76.6	76.8	77.0	77.2	77.4	77.6	77.8	78.0	78.2	78.4	78.6
Total LE	73.6	73.6	73.8	73.9	74.0	74.2	74.3	74.5	74.6	74.8	74.9	75.1	75.2	75.4	75.5	75.7
IMR	17.4	17.1	16.7	16.4	16.0	15.7	15.3	15.0	14.6	14.3	13.9	13.6	13.2	12.9	12.5	12.2
U5MR	20.1	19.7	19.3	18.9	18.4	18.0	17.6	17.2	16.8	16.4	15.9	15.5	15.1	14.7	14.3	13.9
Life table: Coale-Demeny West																
Immigration																
Male immigration	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Female immigration	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total immigration	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vital Rates																
CBR per 1000	17.7	17.5	17.2	17.0	16.8	16.5	16.3	16.0	15.7	15.4	15.2	15.0	14.8	14.6	14.3	14.1
CDR per 1000	6.6	6.4	6.5	6.5	6.5	6.4	6.4	6.4	6.4	6.4	6.5	6.5	6.6	6.6	6.7	6.8
RNI percent	1.11	1.11	1.08	1.05	1.03	1.00	0.98	0.95	0.93	0.90	0.88	0.85	0.82	0.80	0.76	0.74
GR percent	1.11	1.11	1.08	1.05	1.03	1.00	0.98	0.95	0.93	0.90	0.88	0.85	0.82	0.80	0.76	0.74
Doubling time	62.6	63.0	64.8	66.1	67.5	69.4	70.9	73.0	74.7	77.3	79.4	81.6	84.9	87.5	91.2	94.4
Annual Births&Deaths																
Births	1,267,22	1,266,78	1,259,01	1,256,22	1,252,71	1,242,64	1,238,24	1,227,22	1,221,86	1,210,04	1,204,14	1,198,16	1,186,12	1,180,33	1,168,48	1,162,69
Deaths	470,399	466,107	472,503	477,484	481,648	485,434	489,589	493,829	498,686	504,307	510,980	518,635	527,054	536,283	546,084	556,500
Population																
Total population	71,517,09	72,317,78	73,104,29	73,883,04	74,654,10	75,411,32	76,159,97	76,893,37	77,616,55	78,322,29	79,015,45	79,694,98	80,354,04	80,998,10	81,620,50	82,226,69
Male population	35,901,15	36,306,31	36,702,99	37,094,60	37,481,21	37,859,51	38,232,33	38,596,26	38,953,69	39,301,09	39,640,93	39,972,47	40,292,42	40,603,53	40,902,21	41,191,41
Female population	35,615,94	36,011,46	36,401,30	36,788,43	37,172,89	37,551,81	37,927,64	38,297,11	38,662,85	39,021,20	39,374,52	39,722,50	40,061,62	40,394,56	40,718,28	41,035,27
Percent 0-4	8.76	8.65	8.54	8.42	8.31	8.18	8.07	7.95	7.84	7.72	7.60	7.49	7.38	7.28	7.17	7.07
Percent 5-14	17.81	17.58	17.33	17.08	16.84	16.62	16.42	16.22	16.04	15.87	15.69	15.51	15.33	15.15	14.96	14.77
Percent 15-49	54.48	54.46	54.44	54.41	54.36	54.29	54.19	54.07	53.93	53.78	53.61	53.42	53.22	53.00	52.78	52.55
Percent 15-64	66.61	66.92	67.24	67.55	67.83	68.07	68.27	68.42	68.55	68.65	68.73	68.79	68.83	68.85	68.86	68.86
Percent 65 and over	6.81	6.85	6.89	6.95	7.03	7.13	7.25	7.40	7.57	7.76	7.98	8.21	8.46	8.73	9.01	9.30
Percent females 15-49	53.96	53.92	53.88	53.83	53.77	53.68	53.57	53.44	53.29	53.12	52.93	52.71	52.48	52.23	51.97	51.72
Sex ratio	100.80	100.82	100.83	100.83	100.83	100.82	100.80	100.78	100.75	100.72	100.68	100.63	100.58	100.52	100.45	100.38
Dependency ratio	0.50	0.49	0.49	0.48	0.47	0.47	0.46	0.46	0.46	0.46	0.45	0.45	0.45	0.45	0.45	0.45
Median age	28	29	29	29	30	30	31	31	31	32	32	32	33	33	33	33
Urban population	49,514,52	50,781,54	52,057,56	53,336,16	54,631,87	55,925,03	57,234,22	58,538,92	59,857,88	61,169,71	62,493,32	63,811,77	65,134,99	66,450,84	67,769,50	69,078,64
Rural population	22,002,57	21,536,23	21,046,72	20,546,87	20,022,23	19,486,28	18,925,75	18,354,44	17,758,66	17,152,58	16,522,13	15,883,21	15,219,05	14,547,25	13,850,99	13,148,04
Percent urban	69.23	70.22	71.21	72.19	73.18	74.16	75.15	76.13	77.12	78.10	79.09	80.07	81.06	82.04	83.03	84.01
Percent rural	30.77	29.78	28.79	27.81	26.82	25.84	24.85	23.87	22.88	21.90	20.91	19.93	18.94	17.96	16.97	15.99

Table A.3.b Age groups and sex distribution for every five years from the population projection of Turkey total (*Model 3*)

Population by Age and Sex - Total							
Turkey Total (<i>Model 3</i>)							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	6,267,168	3,220,218	3,046,950	0-4	6,169,279	3,146,753	3,022,526
5-9	6,292,185	3,228,958	3,063,227	5-9	6,250,792	3,209,565	3,041,226
10-14	6,445,617	3,308,084	3,137,533	10-14	6,283,298	3,223,006	3,060,292
15-19	6,159,704	3,158,591	3,001,113	15-19	6,433,547	3,299,458	3,134,089
20-24	6,230,869	3,174,233	3,056,636	20-24	6,141,556	3,145,490	2,996,066
25-29	6,492,075	3,286,426	3,205,649	25-29	6,208,628	3,158,934	3,049,694
30-34	5,786,254	2,927,168	2,859,086	30-34	6,466,077	3,269,787	3,196,289
35-39	5,308,604	2,669,678	2,638,926	35-39	5,756,731	2,909,095	2,847,636
40-44	4,720,790	2,387,633	2,333,157	40-44	5,269,177	2,645,877	2,623,299
45-49	4,266,590	2,144,380	2,122,210	45-49	4,662,884	2,352,434	2,310,449
50-54	3,628,220	1,816,916	1,811,304	50-54	4,179,235	2,090,663	2,088,572
55-59	2,866,295	1,417,465	1,448,830	55-59	3,505,548	1,739,958	1,765,590
60-64	2,179,329	1,030,912	1,148,417	60-64	2,709,001	1,319,308	1,389,693
65-69	1,694,415	780,388	914,027	65-69	1,985,444	917,250	1,068,194
70-74	1,269,461	573,015	696,446	70-74	1,447,269	644,742	802,527
75-79	1,106,235	490,158	616,077	75-79	964,296	416,297	547,998
80+	803,288	286,931	516,357	80+	978,563	370,892	607,671
TOTAL	71,517,099	35,901,154	35,615,945	TOTAL	75,411,323	37,859,511	37,551,812
2018	Total	Male	Female	2023	Total	Male	Female
0-4	6,007,868	3,063,321	2,944,548	0-4	5,816,370	2,964,601	2,851,769
5-9	6,154,983	3,137,170	3,017,813	5-9	5,995,668	3,054,780	2,940,888
10-14	6,242,775	3,204,035	3,038,740	10-14	6,147,903	3,132,132	3,015,771
15-19	6,272,776	3,215,182	3,057,594	15-19	6,233,574	3,196,849	3,036,725
20-24	6,416,542	3,286,705	3,129,837	20-24	6,258,101	3,203,661	3,054,441
25-29	6,121,951	3,131,396	2,990,556	25-29	6,398,503	3,273,080	3,125,423
30-34	6,186,477	3,144,073	3,042,404	30-34	6,102,822	3,117,801	2,985,021
35-39	6,436,674	3,250,988	3,185,686	35-39	6,161,743	3,127,331	3,034,412
40-44	5,718,302	2,884,897	2,833,406	40-44	6,398,461	3,225,789	3,172,673
45-49	5,210,313	2,609,143	2,601,170	45-49	5,660,562	2,847,353	2,813,209
50-54	4,574,514	2,296,427	2,278,087	50-54	5,119,824	2,550,282	2,569,542
55-59	4,046,729	2,005,566	2,041,163	55-59	4,439,268	2,206,939	2,232,329
60-64	3,323,472	1,623,384	1,700,088	60-64	3,848,669	1,875,712	1,972,957
65-69	2,478,425	1,178,164	1,300,262	65-69	3,054,295	1,454,495	1,599,799
70-74	1,707,968	761,971	945,997	70-74	2,145,157	983,603	1,161,554
75-79	1,112,658	472,522	640,136	75-79	1,326,793	562,732	764,060
80+	1,003,031	375,987	627,044	80+	1,118,981	414,277	704,704
TOTAL	79,015,457	39,640,930	39,374,527	TOTAL	82,226,693	41,191,416	41,035,277

APPENDIX B

SUMMARY TABLES AND AGE-SEX DISTRIBUTIONS OF

PROJECTION RESULTS FOR

5 DEMOGRAPHIC REGIONS

Table B.1.a Summary table for annual results of the population projection of 01-West region

01-West	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	1.71	1.69	1.67	1.65	1.63	1.61	1.60	1.58	1.56	1.54	1.52	1.50	1.48	1.46	1.44	1.42
GRR	0.83	0.82	0.81	0.80	0.80	0.79	0.78	0.77	0.76	0.75	0.74	0.73	0.72	0.71	0.70	0.69
NRR	0.82	0.81	0.80	0.79	0.78	0.77	0.77	0.76	0.75	0.74	0.73	0.72	0.71	0.71	0.70	0.69
Mean A. Childb. Childbearing	27.4	27.5	27.6	27.7	27.7	27.8	27.9	28.0	28.1	28.1	28.2	28.3	28.4	28.4	28.5	28.6
Child-woman ratio	0.27	0.27	0.26	0.26	0.25	0.25	0.24	0.24	0.24	0.23	0.23	0.22	0.22	0.22	0.21	0.21
Fertility table: Custom																
Mortality																
Male LE	73.6	73.7	74.0	74.4	74.7	75.1	75.4	75.8	76.1	76.5	76.9	77.2	77.6	78.0	78.4	78.8
Female LE	76.4	76.5	76.8	77.0	77.2	77.5	77.7	77.9	78.2	78.4	78.7	78.9	79.2	79.4	79.7	80.0
Total LE	75.0	75.1	75.4	75.7	76.0	76.3	76.5	76.8	77.1	77.5	77.8	78.1	78.4	78.7	79.0	79.4
IMR	13.7	13.0	12.3	11.6	10.9	10.3	9.6	8.9	8.2	7.5	6.8	6.1	5.4	4.7	4.0	3.3
U5MR	15.7	14.9	14.0	13.2	12.4	11.6	10.7	9.9	9.1	8.3	7.4	6.6	5.8	4.9	4.1	3.3
Life table: Coale-Demeny West																
Immigration																
Male immigration	88,104	88,104	88,104	88,104	88,104	88,104	88,104	88,104	88,104	88,104	88,104	88,104	88,104	88,104	88,104	88,104
Female immigration	91,243	91,243	91,243	91,243	91,243	91,243	91,243	91,243	91,243	91,243	91,243	91,243	91,243	91,243	91,243	91,243
Total immigration	179,347	179,347	179,347	179,347	179,347	179,347	179,347	179,347	179,347	179,347	179,347	179,347	179,347	179,347	179,347	179,347
Vital Rates																
CBR per 1000	14.9	14.6	14.4	14.1	13.8	13.5	13.3	13.0	12.8	12.5	12.2	12.0	11.7	11.5	11.3	11.0
CDR per 1000	6.1	5.9	5.9	5.8	5.7	5.7	5.6	5.5	5.5	5.4	5.4	5.4	5.4	5.4	5.4	5.4
RNI percent	0.88	0.87	0.85	0.83	0.81	0.79	0.77	0.75	0.73	0.71	0.68	0.66	0.64	0.61	0.59	0.57
GR percent	1.50	1.49	1.46	1.43	1.40	1.37	1.35	1.32	1.29	1.26	1.23	1.20	1.17	1.14	1.11	1.08
Doubling time	46.4	46.9	47.9	48.9	49.9	51.0	51.8	52.9	54.1	55.4	56.7	58.1	59.6	61.1	62.7	64.4
Annual Births&Deaths																
Births	426,983	425,751	423,893	421,540	418,885	416,062	415,667	412,444	409,008	405,419	401,759	398,117	394,468	390,837	387,198	383,532
Deaths	175,470	172,147	173,116	173,671	173,998	174,246	174,583	174,968	175,515	176,297	177,350	178,688	180,295	182,164	184,280	186,634
Population																
Total population	28,639,102	29,072,869	29,503,807	29,931,837	30,356,884	30,778,861	31,200,104	31,617,739	32,031,390	32,440,670	32,845,237	33,244,823	33,639,153	34,027,984	34,411,058	34,788,112
Male population	14,403,904	14,626,326	14,847,282	15,066,706	15,284,544	15,500,747	15,716,510	15,930,372	16,142,154	16,351,676	16,558,785	16,763,366	16,965,303	17,164,495	17,360,833	17,554,204
Female population	14,235,198	14,446,542	14,656,525	14,865,131	15,072,340	15,278,114	15,483,594	15,687,367	15,889,236	16,088,994	16,286,452	16,481,457	16,673,850	16,863,489	17,050,225	17,233,908
Percent 0-4	7.64	7.50	7.35	7.19	7.02	6.85	6.73	6.61	6.49	6.37	6.26	6.13	6.01	5.90	5.78	5.67
Percent 5-14	15.53	15.37	15.20	15.02	14.85	14.71	14.53	14.37	14.20	14.02	13.82	13.61	13.38	13.16	12.92	12.68
Percent 15-49	56.74	56.68	56.62	56.56	56.49	56.40	56.28	56.14	55.99	55.84	55.68	55.52	55.34	55.15	54.95	54.74
Percent 15-64	69.92	70.19	70.47	70.75	70.99	71.19	71.35	71.48	71.58	71.66	71.73	71.80	71.86	71.90	71.92	71.95
Percent 65 and over	6.92	6.94	6.98	7.05	7.13	7.25	7.38	7.55	7.74	7.95	8.19	8.46	8.75	9.05	9.37	9.70
Percent females 15-49	56.16	56.12	56.08	56.04	55.99	55.91	55.80	55.67	55.54	55.39	55.23	55.07	54.90	54.70	54.50	54.29
Sex ratio	101.19	101.24	101.30	101.36	101.41	101.46	101.50	101.55	101.59	101.63	101.67	101.71	101.75	101.78	101.82	101.86
Dependency ratio	0.43	0.42	0.42	0.41	0.41	0.40	0.40	0.40	0.40	0.40	0.39	0.39	0.39	0.39	0.39	0.39
Median age	30	31	31	32	32	32	33	33	33	34	34	34	35	35	35	36
Urban population	23,815,210	24,354,342	24,898,262	25,445,055	25,952,100	26,457,509	26,969,370	27,478,977	27,992,232	28,476,420	28,923,516	29,371,801	29,817,745	30,261,086	30,701,546	31,135,360
Rural population	4,823,892	4,718,527	4,605,544	4,486,782	4,404,784	4,321,352	4,230,734	4,138,762	4,039,158	3,964,250	3,921,721	3,873,022	3,821,408	3,766,898	3,709,512	3,652,752
Percent urban	83.16	83.77	84.39	85.01	85.49	85.96	86.44	86.91	87.39	87.78	88.06	88.35	88.64	88.93	89.22	89.50
Percent rural	16.84	16.23	15.61	14.99	14.51	14.04	13.56	13.09	12.61	12.22	11.94	11.65	11.36	11.07	10.78	10.50

Table B.1.b Age groups and sex distribution for every five years from the population projection of 01-West region

Population by Age and Sex - Total							
01-West							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	2,187,283	1,124,596	1,062,687	0-4	2,108,497	1,079,605	1,028,892
5-9	2,170,180	1,117,774	1,052,406	5-9	2,258,550	1,163,134	1,095,416
10-14	2,277,246	1,172,762	1,104,484	10-14	2,268,896	1,171,612	1,097,284
15-19	2,242,547	1,156,433	1,086,114	15-19	2,390,782	1,232,399	1,158,382
20-24	2,421,875	1,218,962	1,202,913	20-24	2,453,545	1,253,804	1,199,741
25-29	2,779,468	1,412,074	1,367,394	25-29	2,645,913	1,325,236	1,320,677
30-34	2,546,922	1,296,835	1,250,087	30-34	2,883,166	1,466,423	1,416,743
35-39	2,317,876	1,173,913	1,143,963	35-39	2,582,783	1,312,285	1,270,498
40-44	2,062,538	1,046,227	1,016,311	40-44	2,339,495	1,181,967	1,157,528
45-49	1,878,566	950,437	928,129	45-49	2,062,314	1,044,393	1,017,921
50-54	1,608,293	810,942	797,351	50-54	1,844,666	931,106	913,560
55-59	1,245,334	623,460	621,874	55-59	1,543,843	773,413	770,430
60-64	920,499	444,330	476,169	60-64	1,166,375	576,695	589,680
65-69	687,266	319,158	368,108	65-69	833,736	394,967	438,770
70-74	521,133	232,420	288,713	70-74	587,798	266,146	321,652
75-79	433,880	183,821	250,059	75-79	400,565	173,049	227,516
80+	338,196	119,760	218,436	80+	407,938	154,515	253,423
TOTAL	28,639,102	14,403,904	14,235,198	TOTAL	30,778,861	15,500,747	15,278,114
2018	Total	Male	Female	2023	Total	Male	Female
0-4	2,055,055	1,053,207	1,001,848	0-4	1,972,998	1,012,087	960,911
5-9	2,181,165	1,119,081	1,062,084	5-9	2,128,996	1,093,534	1,035,463
10-14	2,357,797	1,217,346	1,140,451	10-14	2,281,074	1,173,744	1,107,330
15-19	2,383,405	1,231,917	1,151,488	15-19	2,473,235	1,278,296	1,194,939
20-24	2,603,061	1,330,671	1,272,390	20-24	2,597,274	1,331,292	1,265,983
25-29	2,679,486	1,361,308	1,318,178	25-29	2,830,864	1,439,437	1,391,428
30-34	2,752,369	1,381,342	1,371,027	30-34	2,788,295	1,418,873	1,369,421
35-39	2,920,959	1,483,167	1,437,792	35-39	2,793,516	1,400,141	1,393,375
40-44	2,606,786	1,321,924	1,284,862	40-44	2,947,911	1,494,803	1,453,108
45-49	2,341,662	1,181,886	1,159,776	45-49	2,612,571	1,324,291	1,288,280
50-54	2,031,741	1,027,357	1,004,384	50-54	2,314,600	1,167,431	1,147,170
55-59	1,781,365	894,549	886,815	55-59	1,972,752	993,700	979,052
60-64	1,459,952	723,822	736,130	60-64	1,698,261	845,572	852,689
65-69	1,069,551	520,727	548,824	65-69	1,354,199	662,686	691,513
70-74	723,887	335,589	388,299	70-74	942,359	450,525	491,835
75-79	460,869	202,939	257,930	75-79	578,657	261,979	316,678
80+	436,127	171,952	264,175	80+	500,549	205,814	294,735
TOTAL	32,845,237	16,558,785	16,286,452	TOTAL	34,788,112	17,554,204	17,233,908

Table B.2.a Summary table for annual results of the population projection of 02-South¹ region

02-South	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	2.07	2.06	2.05	2.04	2.02	2.01	2.00	1.99	1.98	1.97	1.96	1.95	1.93	1.92	1.91	1.90
GRR	1.01	1.00	1.00	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.95	0.95	0.94	0.94	0.93	0.93
NRR	0.96	0.95	0.95	0.95	0.94	0.94	0.93	0.93	0.92	0.92	0.91	0.91	0.90	0.90	0.90	0.89
Mean A. Childb. Childbearing	27.1	27.2	27.3	27.4	27.5	27.6	27.7	27.8	27.9	28.0	28.1	28.2	28.3	28.4	28.5	28.6
Child-woman ratio	0.33	0.32	0.32	0.31	0.30	0.30	0.29	0.29	0.29	0.29	0.28	0.28	0.28	0.28	0.28	0.27
Fertility table: Custom																
Mortality																
Male LE	69.1	69.1	69.2	69.3	69.5	69.6	69.7	69.9	70.0	70.1	70.3	70.4	70.5	70.7	70.8	71.0
Female LE	71.3	71.4	71.5	71.6	71.7	71.9	72.0	72.1	72.3	72.4	72.5	72.7	72.8	72.9	73.1	73.2
Total LE	70.2	70.2	70.3	70.5	70.6	70.7	70.9	71.0	71.1	71.3	71.4	71.5	71.7	71.8	71.9	72.1
IMR	28.4	27.9	27.4	27.0	26.5	26.0	25.6	25.1	24.6	24.2	23.7	23.2	22.8	22.3	21.9	21.4
U5MR	34.4	33.7	33.1	32.5	31.9	31.3	30.7	30.1	29.5	28.9	28.3	27.7	27.0	26.4	25.8	25.2
Life table: Coale-Demeny West																
Immigration																
Male immigration	8,643	8,643	8,643	8,643	8,643	8,643	8,643	8,643	8,643	8,643	8,643	8,643	8,643	8,643	8,643	8,643
Female immigration	10,806	10,806	10,806	10,806	10,806	10,806	10,806	10,806	10,806	10,806	10,806	10,806	10,806	10,806	10,806	10,806
Total immigration	19,449	19,449	19,449	19,449	19,449	19,449	19,449	19,449	19,449	19,449	19,449	19,449	19,449	19,449	19,449	19,449
Vital Rates																
CBR per 1000	17.4	17.2	17.0	16.8	16.5	16.3	16.1	15.9	15.7	15.5	15.3	15.1	15.0	14.8	14.7	14.5
CDR per 1000	7.5	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.4	7.4	7.5	7.6	7.7
RNI percent	1.00	0.99	0.97	0.95	0.92	0.90	0.88	0.86	0.84	0.82	0.80	0.78	0.75	0.73	0.71	0.68
GR percent	1.21	1.20	1.18	1.15	1.13	1.11	1.08	1.06	1.04	1.02	0.99	0.97	0.94	0.92	0.89	0.87
Doubling time	57.6	58.0	59.3	60.5	61.7	63.0	64.2	65.6	67.0	68.5	70.2	71.9	73.8	75.9	78.0	80.4
Annual Births&Deaths																
Births	157,720	157,671	157,484	157,202	156,879	156,557	156,251	155,948	155,642	155,326	155,001	154,666	154,356	154,070	153,785	153,483
Deaths	67,514	67,035	67,842	68,533	69,167	69,799	70,488	71,230	72,062	73,010	74,081	75,280	76,597	78,028	79,564	81,200
Population																
Total population	9,050,692	9,161,210	9,270,734	9,379,283	9,486,874	9,593,511	9,699,152	9,803,747	9,907,204	10,009,397	10,110,192	10,209,454	10,307,087	10,403,002	10,497,096	10,589,252
Male population	4,536,659	4,592,714	4,648,146	4,702,973	4,757,212	4,810,872	4,863,937	4,916,388	4,968,183	5,019,258	5,069,550	5,118,989	5,167,531	5,215,131	5,261,737	5,307,293
Female population	4,514,033	4,568,496	4,622,588	4,676,310	4,729,662	4,782,639	4,835,215	4,887,359	4,939,022	4,990,138	5,040,642	5,090,464	5,139,556	5,187,872	5,235,359	5,281,958
Percent 0-4	8.98	8.81	8.63	8.45	8.27	8.07	7.98	7.88	7.79	7.70	7.61	7.52	7.44	7.36	7.28	7.21
Percent 5-14	18.40	18.20	18.00	17.78	17.58	17.41	17.15	16.91	16.68	16.45	16.21	15.99	15.77	15.54	15.32	15.08
Percent 15-49	54.51	54.51	54.51	54.50	54.47	54.43	54.36	54.27	54.17	54.05	53.91	53.74	53.55	53.36	53.17	52.99
Percent 15-64	66.45	66.81	67.18	67.53	67.86	68.15	68.39	68.60	68.77	68.92	69.05	69.14	69.22	69.28	69.33	69.37
Percent 65 and over	6.17	6.18	6.20	6.23	6.29	6.38	6.48	6.61	6.76	6.94	7.13	7.34	7.57	7.81	8.07	8.33
Percent females 15-49	54.41	54.41	54.41	54.40	54.37	54.33	54.27	54.19	54.09	53.97	53.84	53.66	53.46	53.26	53.05	52.86
Sex ratio	100.50	100.53	100.55	100.57	100.58	100.59	100.59	100.59	100.59	100.58	100.57	100.56	100.54	100.53	100.50	100.48
Dependency ratio	0.50	0.50	0.49	0.48	0.47	0.47	0.46	0.46	0.45	0.45	0.45	0.45	0.44	0.44	0.44	0.44
Median age	28	28	29	29	30	30	30	30	31	31	31	32	32	32	32	33
Urban population	5,917,990	6,056,476	6,195,631	6,336,644	6,478,586	6,621,441	6,765,158	6,910,661	7,055,911	7,202,762	7,350,110	7,477,404	7,605,599	7,734,632	7,863,375	7,991,708
Rural population	3,132,702	3,104,734	3,075,102	3,042,639	3,008,288	2,972,070	2,933,993	2,893,086	2,851,293	2,806,635	2,760,082	2,732,050	2,701,487	2,668,370	2,633,721	2,597,543
Percent urban	65.39	66.11	66.83	67.56	68.29	69.02	69.75	70.49	71.22	71.96	72.70	73.24	73.79	74.35	74.91	75.47
Percent rural	34.61	33.89	33.17	32.44	31.71	30.98	30.25	29.51	28.78	28.04	27.30	26.76	26.21	25.65	25.09	24.53

¹ 02-South region of 5 regions is the same with the region TR6-Mediterranean which is a NUTS-1 region.

Table B.2.b Age groups and sex distribution for every five years from the population projection of 02-South region

Population by Age and Sex - Total							
02-South							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	812,707	417,428	395,279	0-4	774,510	396,109	378,401
5-9	822,765	422,109	400,656	5-9	829,593	425,560	404,032
10-14	842,573	432,156	410,417	10-14	840,171	430,822	409,349
15-19	794,898	406,677	388,221	15-19	843,180	432,977	410,203
20-24	748,396	366,610	381,786	20-24	781,579	395,647	385,932
25-29	800,740	403,784	396,956	25-29	740,354	356,213	384,141
30-34	732,877	367,945	364,932	30-34	809,032	406,809	402,223
35-39	690,175	343,975	346,200	35-39	746,020	376,166	369,854
40-44	614,992	311,175	303,817	40-44	692,073	346,482	345,591
45-49	551,489	277,458	274,031	45-49	609,210	308,797	300,414
50-54	460,473	231,555	228,918	50-54	539,546	271,452	268,094
55-59	356,827	178,233	178,594	55-59	442,610	221,556	221,054
60-64	263,116	126,351	136,765	60-64	334,033	165,110	168,922
65-69	196,191	92,204	103,987	65-69	235,682	111,434	124,249
70-74	147,691	68,411	79,280	70-74	163,194	74,991	88,203
75-79	125,236	57,435	67,801	75-79	107,932	48,520	59,412
80+	89,546	33,153	56,393	80+	104,793	42,228	62,566
TOTAL	9,050,692	4,536,659	4,514,033	TOTAL	9,593,511	4,810,872	4,782,639
2018	Total	Male	Female	2023	Total	Male	Female
0-4	769,134	393,449	375,686	0-4	763,545	390,677	372,868
5-9	792,114	404,643	387,472	5-9	787,258	402,270	384,988
10-14	847,188	434,379	412,809	10-14	809,987	413,618	396,369
15-19	841,038	431,786	409,252	15-19	848,295	435,474	412,821
20-24	829,996	422,004	407,992	20-24	828,241	421,025	407,216
25-29	773,766	385,291	388,476	25-29	822,380	411,734	410,646
30-34	749,540	359,807	389,733	30-34	783,239	388,953	394,286
35-39	822,113	415,004	407,109	35-39	763,641	368,649	394,992
40-44	747,946	378,659	369,287	40-44	823,940	417,457	406,484
45-49	685,711	343,873	341,838	45-49	741,503	375,967	365,536
50-54	596,533	302,330	294,203	50-54	672,032	336,951	335,081
55-59	519,203	260,011	259,192	55-59	574,893	290,034	284,859
60-64	415,009	205,583	209,426	60-64	487,760	241,755	246,005
65-69	299,971	146,018	153,953	65-69	373,759	182,321	191,439
70-74	197,020	91,122	105,899	70-74	251,773	119,943	131,830
75-79	120,294	53,660	66,634	75-79	146,252	65,714	80,538
80+	103,615	41,932	61,683	80+	110,754	44,752	66,002
TOTAL	10,110,192	5,069,550	5,040,642	TOTAL	10,589,252	5,307,293	5,281,958

Table B.3.a Summary table for annual results of the population projection of 03-Central region

03-Central	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	2.17	2.15	2.12	2.10	2.07	2.04	2.02	1.99	1.97	1.94	1.91	1.89	1.86	1.84	1.81	1.78
GRR	1.06	1.05	1.03	1.02	1.01	1.00	0.99	0.97	0.96	0.95	0.93	0.92	0.91	0.90	0.88	0.87
NRR	1.02	1.02	1.00	1.00	0.98	0.97	0.96	0.95	0.94	0.93	0.91	0.90	0.89	0.88	0.87	0.85
Mean A. Childb. Childbearing	27.0	27.1	27.3	27.4	27.5	27.6	27.7	27.8	27.9	28.0	28.1	28.2	28.3	28.4	28.5	28.6
Child-woman ratio	0.29	0.30	0.30	0.30	0.31	0.31	0.30	0.30	0.29	0.28	0.28	0.27	0.27	0.26	0.26	0.25
Fertility table: Custom																
Mortality																
Male LE	71.9	71.8	72.0	72.1	72.3	72.4	72.6	72.7	72.9	73.1	73.2	73.4	73.5	73.7	73.9	74.0
Female LE	74.1	74.2	74.5	74.8	75.0	75.2	75.5	75.7	75.9	76.1	76.4	76.6	76.8	77.1	77.3	77.6
Total LE	73.0	73.0	73.2	73.5	73.7	73.8	74.0	74.2	74.4	74.6	74.8	75.0	75.2	75.4	75.6	75.8
IMR	19.1	18.5	17.9	17.3	16.7	16.2	15.8	15.3	14.8	14.3	13.9	13.4	12.9	12.4	12.0	11.5
U5MR	22.3	21.5	20.8	20.0	19.3	18.7	18.1	17.6	17.0	16.4	15.9	15.3	14.7	14.2	13.6	13.0
Life table: Coale-Demeny West																
Immigration																
Male immigration	-16,786	-16,786	-16,786	-16,786	-16,786	-16,786	-16,786	-16,786	-16,786	-16,786	-16,786	-16,786	-16,786	-16,786	-16,786	-16,786
Female immigration	-19,190	-19,190	-19,190	-19,190	-19,190	-19,190	-19,190	-19,190	-19,190	-19,190	-19,190	-19,190	-19,190	-19,190	-19,190	-19,190
Total immigration	-35,976	-35,976	-35,976	-35,976	-35,976	-35,976	-35,976	-35,976	-35,976	-35,976	-35,976	-35,976	-35,976	-35,976	-35,976	-35,976
Vital Rates																
CBR per 1000	18.1	17.7	17.2	16.8	16.3	15.8	15.4	15.0	14.6	14.2	13.7	13.4	13.0	12.7	12.3	12.0
CDR per 1000	7.6	7.4	7.5	7.5	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.5	7.5	7.6	7.7	7.8
RNI percent	1.05	1.02	0.97	0.93	0.88	0.84	0.80	0.76	0.72	0.68	0.63	0.59	0.55	0.51	0.47	0.42
GR percent	0.81	0.79	0.74	0.70	0.66	0.61	0.58	0.53	0.50	0.46	0.41	0.37	0.33	0.29	0.25	0.20
Doubling time	85.5	88.1	94.0	99.2	105.9	113.4	120.4	130.0	139.2	152.5	168.9	186.1	211.5	238.8	281.1	340.5
Annual Births&Deaths																
Births	277,245	273,079	267,400	262,830	256,942	251,035	246,323	240,338	235,534	229,539	223,597	218,845	213,055	208,572	203,125	197,851
Deaths	116,438	115,010	116,203	116,917	117,347	117,668	118,082	118,483	119,003	119,712	120,675	121,872	123,249	124,796	126,454	128,214
Population																
Total population	15,333,589	15,455,711	15,570,962	15,680,930	15,784,580	15,882,002	15,974,298	16,060,209	16,140,797	16,214,680	16,281,658	16,342,687	16,396,550	16,444,384	16,485,113	16,518,808
Male population	7,635,214	7,701,641	7,764,282	7,823,977	7,880,213	7,933,054	7,983,064	8,029,608	8,073,231	8,113,221	8,149,468	8,182,455	8,211,553	8,237,345	8,259,277	8,277,387
Female population	7,698,375	7,754,070	7,806,680	7,856,953	7,904,367	7,948,948	7,991,234	8,030,600	8,067,565	8,101,458	8,132,190	8,160,233	8,184,997	8,207,039	8,225,836	8,241,421
Percent 0-4	7.84	7.96	8.04	8.10	8.12	8.11	8.11	8.11	8.11	8.11	8.11	8.11	8.11	8.11	8.11	8.11
Percent 5-14	16.65	16.36	16.07	15.79	15.53	15.31	15.30	15.29	15.27	15.24	15.18	15.14	15.07	14.98	14.86	14.71
Percent 15-49	54.43	54.18	53.93	53.69	53.45	53.18	52.90	52.61	52.31	52.01	51.70	51.35	51.01	50.68	50.36	50.06
Percent 15-64	67.66	67.78	67.93	68.07	68.20	68.30	68.36	68.39	68.40	68.39	68.37	68.31	68.25	68.19	68.13	68.07
Percent 65 and over	7.85	7.90	7.96	8.04	8.14	8.27	8.43	8.62	8.83	9.07	9.34	9.62	9.93	10.26	10.62	10.99
Percent females 15-49	53.95	53.69	53.43	53.16	52.89	52.60	52.30	51.99	51.67	51.33	50.99	50.61	50.23	49.85	49.48	49.13
Sex ratio	99.18	99.32	99.46	99.58	99.69	99.80	99.90	99.99	100.07	100.15	100.21	100.27	100.32	100.37	100.41	100.44
Dependency ratio	0.48	0.48	0.47	0.47	0.47	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.47	0.47	0.47
Median age	30	30	31	31	31	32	32	32	33	33	34	34	35	35	35	36
Urban population	10,425,276	10,673,714	10,891,888	11,106,803	11,320,701	11,530,333	11,736,316	11,940,765	12,141,107	12,336,128	12,528,736	12,714,611	12,897,526	13,074,930	13,247,437	13,413,272
Rural population	4,908,313	4,781,997	4,679,074	4,574,127	4,463,879	4,351,668	4,237,981	4,119,444	3,999,689	3,878,551	3,752,922	3,628,077	3,499,024	3,369,454	3,237,676	3,105,536
Percent urban	67.99	69.06	69.95	70.83	71.72	72.60	73.47	74.35	75.22	76.08	76.95	77.80	78.66	79.51	80.36	81.20
Percent rural	32.01	30.94	30.05	29.17	28.28	27.40	26.53	25.65	24.78	23.92	23.05	22.20	21.34	20.49	19.64	18.80

Table B.3.b Age groups and sex distribution for every five years from the population projection of 03-Central region

Population by Age and Sex - Total 03-Central							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	1,201,965	617,269	584,696	0-4	1,288,611	659,314	629,298
5-9	1,244,635	637,313	607,322	5-9	1,197,079	614,468	582,611
10-14	1,308,118	669,582	638,536	10-14	1,234,950	631,389	603,561
15-19	1,278,696	651,550	627,146	15-19	1,304,196	666,165	638,030
20-24	1,356,199	687,345	668,854	20-24	1,211,003	623,276	587,727
25-29	1,336,327	677,066	659,261	25-29	1,261,298	642,889	618,409
30-34	1,206,206	602,888	603,318	30-34	1,308,357	659,657	648,700
35-39	1,142,089	565,345	576,744	35-39	1,197,093	599,024	598,069
40-44	1,052,892	524,783	528,109	40-44	1,128,718	558,831	569,888
45-49	973,361	483,247	490,114	45-49	1,035,892	515,471	520,421
50-54	829,888	413,597	416,291	50-54	953,647	472,032	481,615
55-59	674,357	330,872	343,485	55-59	806,019	399,615	406,404
60-64	525,426	244,480	280,946	60-64	641,551	311,985	329,566
65-69	418,983	191,239	227,744	65-69	480,876	220,222	260,654
70-74	314,651	140,446	174,205	70-74	357,518	159,597	197,921
75-79	279,300	126,944	152,356	75-79	237,348	103,050	134,298
80+	190,496	71,248	119,248	80+	237,845	96,069	141,776
TOTAL	15,333,589	7,635,214	7,698,375	TOTAL	15,882,002	7,933,054	7,948,948
2018	Total	Male	Female	2023	Total	Male	Female
0-4	1,158,280	592,403	565,877	0-4	1,029,147	526,227	502,919
5-9	1,284,159	656,657	627,502	5-9	1,154,576	590,146	564,431
10-14	1,187,711	608,694	579,018	10-14	1,274,905	650,932	623,974
15-19	1,231,537	628,234	603,303	15-19	1,184,704	605,756	578,949
20-24	1,237,007	638,115	598,892	20-24	1,165,045	600,575	564,469
25-29	1,117,306	579,409	537,897	25-29	1,143,845	594,501	549,344
30-34	1,234,457	625,978	608,478	30-34	1,091,651	563,069	528,582
35-39	1,299,736	655,895	643,841	35-39	1,227,095	622,783	604,312
40-44	1,184,570	592,767	591,803	40-44	1,287,821	649,790	638,031
45-49	1,112,431	549,767	562,664	45-49	1,169,381	584,055	585,326
50-54	1,017,004	504,445	512,558	50-54	1,094,435	539,030	555,405
55-59	928,222	456,888	471,334	55-59	992,520	489,385	503,134
60-64	768,968	377,547	391,421	60-64	888,592	432,801	455,791
65-69	589,712	282,060	307,652	65-69	710,418	342,689	367,729
70-74	413,896	185,117	228,780	70-74	511,505	238,656	272,849
75-79	273,591	118,506	155,085	75-79	321,031	138,928	182,103
80+	243,071	96,986	146,085	80+	272,138	108,066	164,072
TOTAL	16,281,658	8,149,468	8,132,190	TOTAL	16,518,808	8,277,387	8,241,421

Table B.4.a Summary table for annual results of the population projection of 04-North region

04-North	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	
Fertility																	
Input TFR	2.02	1.98	1.94	1.90	1.85	1.81	1.77	1.73	1.69	1.65	1.61	1.57	1.52	1.48	1.44	1.40	
GRR	0.99	0.97	0.95	0.93	0.90	0.88	0.86	0.84	0.82	0.80	0.79	0.77	0.74	0.72	0.70	0.68	
NRR	0.95	0.93	0.91	0.89	0.87	0.85	0.83	0.82	0.80	0.78	0.76	0.74	0.72	0.70	0.68	0.66	
Mean A. Childb. Childbearing	27.5	27.6	27.6	27.7	27.8	27.9	27.9	28.0	28.1	28.2	28.2	28.3	28.4	28.5	28.5	28.6	
Child-woman ratio	0.27	0.27	0.27	0.28	0.28	0.28	0.27	0.26	0.26	0.25	0.24	0.24	0.23	0.22	0.22	0.21	
Fertility table: Custom																	
Mortality																	
Male LE	70.7	70.7	70.9	71.0	71.2	71.3	71.4	71.6	71.7	71.8	72.0	72.1	72.2	72.4	72.5	72.6	
Female LE	72.9	73.0	73.1	73.2	73.4	73.5	73.7	73.8	74.0	74.1	74.3	74.4	74.6	74.7	74.9	75.0	
Total LE	71.8	71.8	72.0	72.1	72.3	72.4	72.6	72.7	72.8	73.0	73.1	73.3	73.4	73.5	73.7	73.8	
IMR	22.7	22.2	21.7	21.2	20.8	20.3	19.9	19.5	19.1	18.7	18.3	17.9	17.4	17.0	16.6	16.2	
U5MR	26.9	26.3	25.6	25.0	24.4	23.9	23.4	22.8	22.3	21.8	21.3	20.7	20.2	19.7	19.2	18.7	
Life table: Coale-Demeny West																	
Immigration																	
Male immigration	-3,905	-3,905	-3,905	-3,905	-3,905	-3,905	-3,905	-3,905	-3,905	-3,905	-3,905	-3,905	-3,905	-3,905	-3,905	-3,905	-3,905
Female immigration	-5,251	-5,251	-5,251	-5,251	-5,251	-5,251	-5,251	-5,251	-5,251	-5,251	-5,251	-5,251	-5,251	-5,251	-5,251	-5,251	-5,251
Total immigration	-9,156	-9,156	-9,156	-9,156	-9,156	-9,156	-9,156	-9,156	-9,156	-9,156	-9,156	-9,156	-9,156	-9,156	-9,156	-9,156	-9,156
Vital Rates																	
CBR per 1000	15.7	15.2	14.8	14.3	13.8	13.3	12.9	12.4	12.0	11.5	11.1	10.7	10.2	9.8	9.4	9.0	
CDR per 1000	9.9	9.8	9.9	10.0	10.0	10.0	10.0	10.0	10.0	10.1	10.2	10.3	10.4	10.6	10.8	11.0	
RNI percent	0.58	0.54	0.49	0.44	0.38	0.34	0.29	0.24	0.19	0.15	0.09	0.04	-0.03	-0.08	-0.14	-0.20	
GR percent	0.41	0.37	0.32	0.27	0.21	0.17	0.12	0.07	0.03	-0.02	-0.08	-0.13	-0.20	-0.25	-0.31	-0.37	
Doubling time	171.3	186.7	219.6	261.3	328.6	419.5	584.1	956.6	2745.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Annual Births&Deaths																	
Births	83,495	81,387	79,223	76,999	74,310	71,970	69,599	67,217	64,828	62,431	60,026	57,603	54,842	52,479	50,145	47,839	
Deaths	52,755	52,355	53,123	53,565	53,780	53,891	54,028	54,142	54,306	54,590	55,019	55,578	56,232	56,959	57,724	58,509	
Population																	
Total population	5,323,044	5,343,220	5,360,464	5,375,040	5,386,710	5,395,928	5,402,637	5,406,848	5,408,504	5,407,478	5,403,617	5,396,771	5,386,509	5,373,156	5,356,702	5,337,156	
Male population	2,630,586	2,643,744	2,655,237	2,665,204	2,673,540	2,680,490	2,686,036	2,690,193	2,692,940	2,694,224	2,693,976	2,692,132	2,688,475	2,683,175	2,676,225	2,667,624	
Female population	2,692,458	2,699,476	2,705,227	2,709,836	2,713,170	2,715,438	2,716,600	2,716,655	2,715,564	2,713,255	2,709,640	2,704,639	2,698,034	2,689,981	2,680,477	2,669,532	
Percent 0-4	6.95	7.04	7.10	7.11	7.08	7.01	6.79	6.57	6.35	6.14	5.93	5.72	5.51	5.30	5.09	4.89	
Percent 5-14	16.06	15.61	15.19	14.80	14.47	14.18	14.05	13.93	13.81	13.70	13.58	13.51	13.40	13.25	13.06	12.84	
Percent 15-49	52.30	52.08	51.86	51.62	51.37	51.09	50.78	50.45	50.10	49.72	49.33	48.88	48.44	48.03	47.65	47.30	
Percent 15-64	66.86	67.18	67.50	67.81	68.09	68.33	68.51	68.64	68.71	68.74	68.71	68.59	68.47	68.35	68.24	68.15	
Percent 65 and over	10.13	10.17	10.21	10.27	10.36	10.49	10.66	10.87	11.13	11.43	11.78	12.18	12.62	13.10	13.60	14.13	
Percent females 15-49	51.64	51.44	51.24	51.02	50.78	50.51	50.21	49.88	49.53	49.15	48.75	48.28	47.84	47.41	47.02	46.65	
Sex ratio	97.70	97.94	98.15	98.35	98.54	98.71	98.87	99.03	99.17	99.30	99.42	99.54	99.65	99.75	99.84	99.93	
Dependency ratio	0.50	0.49	0.48	0.47	0.47	0.46	0.46	0.46	0.46	0.45	0.46	0.46	0.46	0.46	0.47	0.47	
Median age	32	32	33	33	34	34	35	35	36	36	37	37	38	39	39	40	
Urban population	2,218,811	2,269,266	2,318,937	2,367,705	2,415,401	2,462,162	2,507,904	2,552,573	2,596,082	2,638,309	2,679,113	2,718,893	2,756,277	2,792,429	2,826,196	2,858,581	
Rural population	3,104,233	3,073,955	3,041,527	3,007,335	2,971,309	2,933,766	2,894,733	2,854,275	2,812,422	2,769,170	2,724,503	2,677,878	2,630,232	2,580,727	2,530,506	2,478,575	
Percent urban	41.68	42.47	43.26	44.05	44.84	45.63	46.42	47.21	48.00	48.79	49.58	50.38	51.17	51.97	52.76	53.56	
Percent rural	58.32	57.53	56.74	55.95	55.16	54.37	53.58	52.79	52.00	51.21	50.42	49.62	48.83	48.03	47.24	46.44	

Table B.4.b Age groups and sex distribution for every five years from the population projection of 04-North region

Population by Age and Sex - Total							
04-North							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	369,699	189,982	179,717	0-4	378,003	193,626	184,377
5-9	407,113	208,398	198,715	5-9	367,137	188,325	178,813
10-14	447,755	227,336	220,419	10-14	398,004	202,674	195,330
15-19	453,720	230,150	223,570	15-19	426,939	216,744	210,195
20-24	422,616	208,756	213,860	20-24	409,573	208,823	200,750
25-29	425,730	214,702	211,028	25-29	381,457	187,738	193,719
30-34	388,535	195,535	193,000	30-34	410,359	205,791	204,568
35-39	380,180	188,405	191,775	35-39	386,789	195,367	191,422
40-44	364,975	182,137	182,838	40-44	377,591	188,642	188,949
45-49	347,939	173,682	174,257	45-49	363,978	182,035	181,943
50-54	315,389	156,299	159,090	50-54	353,898	176,583	177,315
55-59	255,722	127,596	128,126	55-59	321,813	159,440	162,373
60-64	204,446	95,176	109,270	60-64	254,566	126,653	127,913
65-69	179,149	81,161	97,988	65-69	193,312	89,386	103,926
70-74	135,541	62,104	73,437	70-74	155,976	69,517	86,460
75-79	136,346	60,761	75,585	75-79	103,414	46,253	57,160
80+	88,189	28,406	59,783	80+	113,120	42,893	70,226
TOTAL	5,323,044	2,630,586	2,692,458	TOTAL	5,395,928	2,680,490	2,715,438
2018	Total	Male	Female	2023	Total	Male	Female
0-4	320,326	164,066	156,261	0-4	260,974	133,652	127,322
5-9	375,637	192,055	183,582	5-9	318,296	162,646	155,651
10-14	358,182	182,677	175,505	10-14	366,739	186,429	180,310
15-19	377,419	192,203	185,216	15-19	337,785	172,304	165,481
20-24	383,067	195,559	187,508	20-24	333,864	171,188	162,676
25-29	368,677	187,901	180,776	25-29	342,468	174,784	167,685
30-34	366,545	179,070	187,475	30-34	354,032	179,321	174,710
35-39	408,744	205,679	203,065	35-39	365,438	179,224	186,214
40-44	384,477	195,703	188,774	40-44	406,582	206,083	200,499
45-49	376,834	188,665	188,169	45-49	384,057	195,853	188,204
50-54	370,102	185,021	185,082	50-54	383,251	191,812	191,440
55-59	359,516	179,222	180,294	55-59	375,888	187,740	188,149
60-64	317,459	156,690	160,769	60-64	353,876	175,663	178,212
65-69	239,313	117,858	121,455	65-69	297,369	145,238	152,131
70-74	168,789	76,813	91,976	70-74	208,752	101,070	107,682
75-79	119,781	52,163	67,618	75-79	130,388	58,072	72,316
80+	108,748	42,633	66,115	80+	117,396	46,547	70,849
TOTAL	5,403,617	2,693,976	2,709,640	TOTAL	5,337,156	2,667,624	2,669,532

Table B.5.a Summary table for annual results of the population projection of 05-East region

05-East	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	3.18	3.13	3.08	3.02	2.97	2.92	2.87	2.82	2.76	2.71	2.66	2.61	2.56	2.50	2.45	2.40
GRR	1.55	1.53	1.50	1.47	1.45	1.42	1.40	1.38	1.35	1.32	1.30	1.27	1.25	1.22	1.20	1.17
NRR	1.46	1.44	1.42	1.39	1.37	1.35	1.32	1.30	1.28	1.25	1.23	1.21	1.19	1.16	1.14	1.12
Mean A. Childb.	29.1	29.0	29.0	29.0	28.9	28.9	28.9	28.8	28.8	28.8	28.8	28.7	28.7	28.7	28.6	28.6
Child-woman ratio	0.53	0.51	0.49	0.47	0.45	0.43	0.42	0.42	0.41	0.40	0.39	0.38	0.38	0.37	0.36	0.36
Fertility table: Custom																
Mortality																
Male LE	67.9	68.0	68.1	68.2	68.3	68.4	68.5	68.6	68.7	68.8	68.9	69.0	69.1	69.2	69.3	69.4
Female LE	71.2	71.2	71.4	71.4	71.6	71.7	71.7	71.9	72.0	72.1	72.2	72.3	72.4	72.5	72.6	72.7
Total LE	69.5	69.6	69.7	69.8	69.9	70.0	70.1	70.2	70.3	70.4	70.5	70.6	70.7	70.8	70.9	71.0
IMR	37.7	37.3	36.8	36.4	35.9	35.5	35.0	34.6	34.1	33.7	33.2	32.8	32.3	31.9	31.4	31.0
U5MR	43.6	43.1	42.5	41.9	41.4	40.8	40.3	39.7	39.2	38.6	38.1	37.6	37.0	36.5	35.9	35.3
Life table: Coale-Demeny East																
Immigration																
Male immigration	-76,056	-76,056	-76,056	-76,056	-76,056	-76,056	-76,056	-76,056	-76,056	-76,056	-76,056	-76,056	-76,056	-76,056	-76,056	-76,056
Female immigration	-77,608	-77,608	-77,608	-77,608	-77,608	-77,608	-77,608	-77,608	-77,608	-77,608	-77,608	-77,608	-77,608	-77,608	-77,608	-77,608
Total immigration	-153,664	-153,664	-153,664	-153,664	-153,664	-153,664	-153,664	-153,664	-153,664	-153,664	-153,664	-153,664	-153,664	-153,664	-153,664	-153,664
Vital Rates																
CBR per 1000	24.7	24.4	24.1	23.7	23.4	23.1	22.7	22.3	21.9	21.6	21.2	20.9	20.5	20.1	19.8	19.4
CDR per 1000	6.2	6.1	6.1	6.1	6.0	6.0	6.0	6.0	6.0	6.0	6.1	6.1	6.2	6.2	6.3	6.4
RNI percent	1.86	1.83	1.80	1.77	1.74	1.70	1.67	1.63	1.59	1.55	1.51	1.48	1.44	1.39	1.35	1.30
GR percent	0.69	0.67	0.65	0.62	0.60	0.57	0.54	0.51	0.48	0.44	0.41	0.37	0.34	0.29	0.25	0.21
Doubling time	101.0	103.1	106.5	111.7	116.3	121.6	127.8	135.2	146.1	156.8	169.7	185.5	205.2	236.9	273.1	325.7
Annual Births&Deaths																
Births	325,655	323,862	321,861	318,533	315,945	313,073	309,960	306,652	302,107	298,540	294,874	291,133	287,279	282,156	277,948	273,475
Deaths	81,316	80,768	81,074	81,319	81,519	81,755	82,071	82,430	82,897	83,515	84,300	85,234	86,255	87,358	88,523	89,768
Population																
Total population	13,170,66	13,258,45	13,343,93	13,425,84	13,504,97	13,580,99	13,653,58	13,722,51	13,786,43	13,846,17	13,901,45	13,952,07	13,997,81	14,037,33	14,071,48	14,099,91
Male population	6,694,791	6,742,358	6,788,576	6,832,824	6,875,511	6,916,505	6,955,661	6,992,858	7,027,435	7,059,812	7,089,875	7,117,519	7,142,629	7,164,528	7,183,634	7,199,778
Female population	6,475,878	6,516,098	6,555,362	6,593,025	6,629,464	6,664,489	6,697,926	6,729,658	6,759,000	6,786,360	6,811,583	6,834,554	6,855,186	6,872,806	6,887,847	6,900,135
Percent 0-4	12.88	12.47	12.08	11.70	11.33	10.96	10.81	10.66	10.50	10.34	10.18	10.01	9.85	9.69	9.53	9.37
Percent 5-14	24.36	24.17	23.92	23.64	23.34	23.04	22.54	22.06	21.59	21.13	20.68	20.21	19.75	19.30	18.85	18.41
Percent 15-49	50.51	50.91	51.32	51.74	52.15	52.53	52.89	53.21	53.51	53.78	54.02	54.23	54.42	54.57	54.71	54.85
Percent 15-64	58.25	58.83	59.44	60.07	60.70	61.30	61.88	62.43	62.96	63.48	63.98	64.49	64.97	65.45	65.90	66.34
Percent 65 and over	4.51	4.53	4.56	4.59	4.64	4.70	4.77	4.85	4.95	5.05	5.16	5.29	5.42	5.56	5.71	5.87
Percent females 15-49	49.76	50.13	50.50	50.87	51.25	51.61	51.95	52.27	52.58	52.84	53.07	53.28	53.44	53.57	53.68	53.79
Sex ratio	103.38	103.47	103.56	103.64	103.71	103.78	103.85	103.91	103.97	104.03	104.09	104.14	104.19	104.24	104.29	104.34
Dependency ratio	0.72	0.70	0.68	0.66	0.65	0.63	0.62	0.60	0.59	0.58	0.56	0.55	0.54	0.53	0.52	0.51
Median age	21	21	22	22	22	23	23	23	24	24	25	25	25	26	26	27
Urban population	7,137,245	7,302,757	7,468,602	7,632,595	7,797,772	7,962,537	8,126,615	8,289,772	8,451,085	8,612,319	8,770,430	8,909,794	9,046,788	9,180,416	9,311,099	9,438,482
Rural population	6,033,424	5,955,698	5,875,336	5,793,254	5,707,202	5,618,457	5,526,972	5,432,744	5,335,350	5,233,853	5,131,028	5,042,279	4,951,027	4,856,917	4,760,382	4,661,431
Percent urban	54.19	55.08	55.97	56.85	57.74	58.63	59.52	60.41	61.30	62.20	63.09	63.86	64.63	65.40	66.17	66.94
Percent rural	45.81	44.92	44.03	43.15	42.26	41.37	40.48	39.59	38.70	37.80	36.91	36.14	35.37	34.60	33.83	33.06

Table B.5.b Age groups and sex distribution for every five years from the population projection of 05-East region

Population by Age and Sex - Total							
05-East							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	1,696,080	871,286	824,794	0-4	1,489,074	761,051	728,023
5-9	1,642,830	841,039	801,791	5-9	1,593,371	817,393	775,978
10-14	1,566,183	804,375	761,808	10-14	1,535,083	784,185	750,899
15-19	1,387,221	712,476	674,745	15-19	1,462,756	749,304	713,452
20-24	1,280,136	691,435	588,701	20-24	1,280,701	662,715	617,986
25-29	1,149,513	578,743	570,770	25-29	1,175,084	645,912	529,172
30-34	912,418	464,350	448,068	30-34	1,052,035	531,750	520,285
35-39	779,489	398,635	380,854	35-39	842,188	427,722	414,466
40-44	627,085	324,152	302,933	40-44	730,019	372,198	357,821
45-49	517,214	260,589	256,625	45-49	591,321	305,118	286,203
50-54	416,072	205,537	210,535	50-54	487,800	244,040	243,760
55-59	335,521	158,127	177,394	55-59	391,601	191,244	200,358
60-64	266,877	121,127	145,750	60-64	311,912	144,479	167,433
65-69	213,605	97,014	116,591	65-69	239,565	106,514	133,051
70-74	151,106	69,933	81,173	70-74	178,388	78,996	99,391
75-79	132,067	61,456	70,611	75-79	109,891	49,200	60,690
80+	97,252	34,517	62,735	80+	110,205	44,684	65,522
TOTAL	13,170,669	6,694,791	6,475,878	TOTAL	13,580,994	6,916,505	6,664,489
2018	Total	Male	Female	2023	Total	Male	Female
0-4	1,414,616	723,104	691,512	0-4	1,321,419	675,553	645,867
5-9	1,388,155	708,129	680,026	5-9	1,314,741	670,743	643,998
10-14	1,485,987	760,738	725,249	10-14	1,281,414	651,844	629,570
15-19	1,432,034	729,344	702,690	15-19	1,383,354	706,138	677,216
20-24	1,356,285	699,564	656,721	20-24	1,326,101	679,948	646,153
25-29	1,176,169	617,659	558,510	25-29	1,251,801	654,528	597,273
30-34	1,077,762	598,665	479,096	30-34	1,079,354	570,872	508,481
35-39	981,144	494,770	486,374	35-39	1,007,053	561,392	445,661
40-44	792,509	401,190	391,319	40-44	930,551	467,759	462,792
45-49	693,040	352,516	340,524	45-49	755,118	381,303	373,815
50-54	560,372	287,438	272,934	50-54	660,072	333,682	326,390
55-59	460,756	227,995	232,761	55-59	530,832	269,503	261,329
60-64	364,680	175,142	189,537	60-64	429,944	209,258	220,686
65-69	280,488	127,251	153,238	65-69	328,405	154,471	173,934
70-74	200,751	86,967	113,784	70-74	235,644	104,137	131,507
75-79	130,614	55,900	74,715	75-79	147,744	61,820	85,924
80+	106,096	43,502	62,594	80+	116,368	46,829	69,539
TOTAL	13,901,458	7,089,875	6,811,583	TOTAL	14,099,913	7,199,778	6,900,135

APPENDIX C

SUMMARY TABLES AND AGE-SEX DISTRIBUTIONS OF

PROJECTION RESULTS FOR

12 NUTS-1 REGIONS

Table C.1.a Summary table for annual results of the population projection of TR1-İstanbul¹ region

TR1-İstanbul	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	1.77	1.75	1.73	1.71	1.69	1.67	1.65	1.64	1.62	1.60	1.58	1.56	1.54	1.52	1.50	1.48
GRR	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.80	0.79	0.78	0.77	0.76	0.75	0.74	0.73	0.72
NRR	0.85	0.84	0.83	0.82	0.81	0.80	0.80	0.79	0.78	0.77	0.76	0.75	0.74	0.74	0.73	0.72
Mean A. Childb.	27.4	27.5	27.6	27.6	27.7	27.8	27.9	28.0	28.0	28.1	28.2	28.3	28.4	28.4	28.5	28.6
Child-woman ratio	0.29	0.28	0.28	0.27	0.26	0.26	0.25	0.25	0.24	0.24	0.24	0.23	0.23	0.22	0.22	0.22
Fertility table: Custom																
Mortality																
Male LE	74.4	74.5	74.9	75.3	75.7	76.2	76.6	77.0	77.5	77.9	78.4	78.8	79.3	79.8	80.3	80.8
Female LE	78.0	78.0	78.1	78.2	78.4	78.5	78.6	78.8	78.9	79.1	79.2	79.4	79.5	79.7	79.8	80.0
Total LE	76.2	76.2	76.5	76.8	77.0	77.3	77.6	77.9	78.2	78.5	78.8	79.1	79.4	79.7	80.0	80.4
IMR	11.1	10.4	9.8	9.1	8.4	7.8	7.1	6.5	5.8	5.2	4.5	3.9	3.2	2.5	1.9	1.2
U5MR	12.5	11.8	11.0	10.2	9.4	8.6	7.8	7.1	6.3	5.5	4.7	3.9	3.2	2.4	1.6	0.8
Life table: Coale-Demeny West																
Immigration																
Male immigration	13,010	13,010	13,010	13,010	13,010	13,010	13,010	13,010	13,010	13,010	13,010	13,010	13,010	13,010	13,010	13,010
Female immigration	13,665	13,665	13,665	13,665	13,665	13,665	13,665	13,665	13,665	13,665	13,665	13,665	13,665	13,665	13,665	13,665
Total immigration	26,675	26,675	26,675	26,675	26,675	26,675	26,675	26,675	26,675	26,675	26,675	26,675	26,675	26,675	26,675	26,675
Vital Rates																
CBR per 1000	16.4	16.1	15.8	15.5	15.2	14.8	14.5	14.3	14.0	13.7	13.4	13.1	12.8	12.6	12.3	12.1
CDR per 1000	4.5	4.4	4.3	4.2	4.2	4.1	4.0	4.0	3.9	3.9	3.9	3.8	3.8	3.8	3.8	3.8
RNI percent	1.19	1.18	1.15	1.12	1.10	1.07	1.05	1.03	1.00	0.98	0.95	0.93	0.90	0.87	0.85	0.82
GR percent	1.40	1.38	1.35	1.33	1.30	1.27	1.24	1.22	1.19	1.17	1.14	1.11	1.08	1.05	1.03	1.00
Doubling time	49.8	50.5	51.5	52.6	53.7	54.9	56.1	57.0	58.4	59.8	61.3	62.9	64.5	66.2	67.9	69.6
Annual Births&Deaths																
Births	208,709	207,704	206,417	204,885	203,190	201,408	199,543	198,783	196,735	194,662	192,624	190,671	188,781	186,974	185,235	183,546
Deaths	57,485	56,310	56,299	56,140	55,912	55,677	55,499	55,372	55,321	55,387	55,582	55,910	56,355	56,906	57,551	58,280
Population																
Total population	12,697,165	12,874,683	13,050,933	13,225,819	13,399,246	13,571,135	13,741,345	13,910,930	14,078,526	14,243,992	14,407,233	14,568,202	14,726,844	14,883,136	15,037,054	15,188,562
Male population	6,386,773	6,478,142	6,569,027	6,659,374	6,749,133	6,838,264	6,926,701	7,014,995	7,102,461	7,189,044	7,274,715	7,359,468	7,443,297	7,526,208	7,608,204	7,689,285
Female population	6,310,392	6,396,541	6,481,906	6,566,445	6,650,113	6,732,871	6,814,644	6,895,935	6,976,065	7,054,948	7,132,519	7,208,734	7,283,547	7,356,929	7,428,850	7,499,277
Percent 0-4	8.33	8.15	7.98	7.80	7.62	7.44	7.29	7.15	7.01	6.88	6.74	6.61	6.48	6.35	6.23	6.11
Percent 5-14	16.36	16.24	16.10	15.94	15.78	15.62	15.44	15.25	15.06	14.85	14.63	14.36	14.11	13.85	13.59	13.32
Percent 15-49	58.60	58.61	58.62	58.63	58.63	58.61	58.57	58.50	58.42	58.32	58.20	58.08	57.92	57.73	57.52	57.29
Percent 15-64	70.09	70.37	70.65	70.94	71.22	71.47	71.69	71.88	72.06	72.23	72.40	72.58	72.73	72.87	72.99	73.09
Percent 65 and over	5.22	5.24	5.27	5.32	5.38	5.47	5.58	5.71	5.86	6.03	6.23	6.45	6.68	6.93	7.20	7.48
Percent females 15-49	58.13	58.14	58.16	58.18	58.20	58.19	58.16	58.10	58.02	57.93	57.82	57.70	57.55	57.36	57.15	56.91
Sex ratio	101.21	101.28	101.34	101.42	101.49	101.57	101.64	101.73	101.81	101.90	101.99	102.09	102.19	102.30	102.41	102.53
Dependency ratio	0.43	0.42	0.42	0.41	0.40	0.40	0.39	0.39	0.39	0.38	0.38	0.38	0.37	0.37	0.37	0.37
Median age	29	29	30	30	30	31	31	31	32	32	32	33	33	33	33	34
Urban population	12,542,211	12,744,641	12,947,833	13,149,110	13,321,531	13,492,421	13,661,641	13,830,241	13,996,871	14,161,371	14,323,671	14,483,701	14,641,421	14,796,811	14,949,831	15,100,461
Rural population	154,948	130,034	103,102	76,710	77,716	78,713	79,700	80,683	81,655	82,615	83,562	84,496	85,416	86,322	87,215	88,094
Percent urban	98.78	98.99	99.21	99.42	99.42	99.42	99.42	99.42	99.42	99.42	99.42	99.42	99.42	99.42	99.42	99.42
Percent rural	1.22	1.01	0.79	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58

¹ TR1-İstanbul region of 12 regions is the same with the province 34-İstanbul.

Table C.1.b Age groups and sex distribution for every five years from the population projection of TR1-İstanbul region

Population by Age and Sex - Total							
TR1-İstanbul							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	1,057,291	543,770	513,521	0-4	1,009,107	516,510	492,597
5-9	1,029,586	530,218	499,368	5-9	1,063,763	548,305	515,458
10-14	1,047,171	540,119	507,052	10-14	1,056,509	546,279	510,230
15-19	1,014,830	526,343	488,487	15-19	1,092,734	564,968	527,766
20-24	1,103,129	540,903	562,226	20-24	1,127,853	580,563	547,290
25-29	1,345,344	679,009	666,335	25-29	1,223,940	602,562	621,377
30-34	1,218,115	620,449	597,666	30-34	1,373,779	696,825	676,954
35-39	1,073,996	547,135	526,861	35-39	1,197,564	606,896	590,669
40-44	903,270	460,954	442,316	40-44	1,058,379	536,223	522,156
45-49	782,041	397,609	384,432	45-49	880,192	448,591	431,601
50-54	642,427	322,939	319,488	50-54	738,096	374,417	363,679
55-59	477,864	237,816	240,048	55-59	584,706	291,186	293,521
60-64	339,061	162,121	176,940	60-64	421,802	205,666	216,137
65-69	239,558	108,957	130,601	65-69	290,308	134,419	155,889
70-74	166,899	72,483	94,416	70-74	195,574	85,631	109,943
75-79	140,578	57,882	82,696	75-79	123,568	51,349	72,219
80+	116,005	38,066	77,939	80+	133,260	47,875	85,385
TOTAL	12,697,165	6,386,773	6,310,392	TOTAL	13,571,135	6,838,264	6,732,871
2018	Total	Male	Female	2023	Total	Male	Female
0-4	971,687	498,292	473,395	0-4	928,116	476,840	451,275
5-9	1,016,222	521,553	494,669	5-9	979,384	503,794	475,590
10-14	1,090,941	564,581	526,361	10-14	1,043,698	538,065	505,633
15-19	1,102,499	571,479	531,021	15-19	1,137,364	590,139	547,225
20-24	1,206,348	619,692	586,656	20-24	1,216,825	626,791	590,034
25-29	1,249,486	642,848	606,637	25-29	1,328,845	682,699	646,146
30-34	1,253,665	621,352	632,312	30-34	1,280,251	662,425	617,826
35-39	1,354,170	684,094	670,076	35-39	1,235,518	609,686	625,832
40-44	1,183,045	596,958	586,087	40-44	1,341,018	675,368	665,650
45-49	1,036,184	524,832	511,351	45-49	1,162,459	587,039	575,420
50-54	837,391	426,552	410,839	50-54	994,606	504,220	490,386
55-59	680,865	343,396	337,469	55-59	781,460	396,936	384,524
60-64	527,253	258,669	268,584	60-64	623,541	311,492	312,049
65-69	370,074	176,464	193,610	65-69	472,516	228,351	244,166
70-74	242,745	109,372	133,373	70-74	316,880	148,552	168,328
75-79	148,645	63,021	85,623	75-79	189,309	83,636	105,673
80+	136,014	51,558	84,456	80+	156,774	63,252	93,522
TOTAL	14,407,233	7,274,715	7,132,519	TOTAL	15,188,562	7,689,285	7,499,277

Table C.2.a Summary table for annual results of the population projection of TR2-West Marmara region

TR2-West Marmara	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
GRR	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68
NRR	0.66	0.66	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.68	0.68
Mean A. Childb. Childbearing	27.4	27.5	27.6	27.7	27.7	27.8	27.9	28.0	28.1	28.1	28.2	28.3	28.4	28.4	28.5	28.6
Child-woman ratio	0.22	0.22	0.22	0.21	0.21	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Fertility table: Custom																
Mortality																
Male LE	72.5	72.4	72.6	72.8	72.9	73.1	73.3	73.4	73.6	73.8	73.9	74.1	74.3	74.5	74.6	74.8
Female LE	74.7	75.0	75.3	75.6	75.9	76.2	76.5	76.8	77.1	77.4	77.7	78.0	78.4	78.7	79.0	79.4
Total LE	73.6	73.7	73.9	74.1	74.4	74.6	74.8	75.1	75.3	75.6	75.8	76.0	76.3	76.6	76.8	77.1
IMR	17.3	16.6	16.0	15.4	14.8	14.3	13.7	13.1	12.6	12.0	11.4	10.9	10.3	9.7	9.2	8.6
U5MR	20.0	19.1	18.4	17.7	17.0	16.4	15.7	15.0	14.3	13.7	13.0	12.3	11.6	10.9	10.3	9.6
Life table: Coale-Demeny West																
Immigration																
Male immigration	14,892	14,892	14,892	14,892	14,892	14,892	14,892	14,892	14,892	14,892	14,892	14,892	14,892	14,892	14,892	14,892
Female immigration	15,182	15,182	15,182	15,182	15,182	15,182	15,182	15,182	15,182	15,182	15,182	15,182	15,182	15,182	15,182	15,182
Total immigration	30,074	30,074	30,074	30,074	30,074	30,074	30,074	30,074	30,074	30,074	30,074	30,074	30,074	30,074	30,074	30,074
Vital Rates																
CBR per 1000	10.6	10.6	10.5	10.5	10.4	10.3	10.3	10.2	10.1	10.0	10.0	9.9	9.8	9.7	9.6	9.5
CDR per 1000	9.2	8.9	8.9	8.9	8.9	8.8	8.8	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.8
RNI percent	0.15	0.16	0.16	0.16	0.15	0.15	0.15	0.15	0.14	0.14	0.13	0.12	0.11	0.10	0.09	0.08
GR percent	1.11	1.12	1.11	1.09	1.08	1.07	1.06	1.04	1.03	1.01	1.00	0.98	0.96	0.95	0.93	0.91
Doubling time	62.6	62.2	63.0	63.8	64.5	65.3	66.0	66.8	67.7	68.7	69.7	70.9	72.2	73.6	75.2	76.8
Annual Births&Deaths																
Births	32,996	33,227	33,434	33,620	33,788	33,943	34,085	34,212	34,322	34,411	34,482	34,531	34,572	34,606	34,631	34,645
Deaths	28,445	28,074	28,355	28,584	28,779	28,955	29,125	29,306	29,505	29,730	29,984	30,274	30,600	30,966	31,371	31,817
Population																
Total population	3,107,425	3,143,015	3,178,529	3,213,998	3,249,437	3,284,852	3,320,237	3,355,565	3,390,802	3,425,901	3,460,814	3,495,484	3,529,866	3,563,913	3,597,578	3,630,809
Male population	1,582,341	1,600,608	1,618,750	1,636,774	1,654,686	1,672,483	1,690,158	1,707,695	1,725,073	1,742,266	1,759,249	1,775,991	1,792,467	1,808,652	1,824,519	1,840,041
Female population	1,525,084	1,542,407	1,559,780	1,577,223	1,594,751	1,612,369	1,630,079	1,647,871	1,665,729	1,683,635	1,701,565	1,719,493	1,737,399	1,755,262	1,773,059	1,790,768
Percent 0-4	5.85	5.74	5.62	5.50	5.37	5.24	5.21	5.18	5.15	5.12	5.08	5.05	5.01	4.98	4.94	4.90
Percent 5-14	13.48	13.22	12.96	12.71	12.48	12.31	12.06	11.85	11.66	11.48	11.31	11.18	11.05	10.91	10.77	10.62
Percent 15-49	54.38	54.20	54.03	53.84	53.64	53.40	53.13	52.83	52.52	52.21	51.90	51.55	51.21	50.88	50.56	50.24
Percent 15-64	70.50	70.85	71.19	71.49	71.74	71.92	72.01	72.04	72.00	71.92	71.80	71.60	71.38	71.14	70.90	70.65
Percent 65 and over	10.17	10.19	10.23	10.30	10.40	10.54	10.72	10.94	11.19	11.48	11.80	12.16	12.55	12.96	13.39	13.83
Percent females 15-49	53.01	52.88	52.74	52.57	52.37	52.14	51.89	51.61	51.31	51.01	50.69	50.34	50.00	49.66	49.34	49.02
Sex ratio	103.75	103.77	103.78	103.78	103.76	103.73	103.69	103.63	103.56	103.48	103.39	103.29	103.17	103.04	102.90	102.75
Dependency ratio	0.42	0.41	0.40	0.40	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.40	0.40	0.41	0.41	0.42
Median age	34	34	35	35	36	36	36	36	37	37	37	38	38	39	39	40
Urban population	1,675,266	1,727,087	1,779,976	1,833,586	1,887,923	1,943,647	1,999,778	2,056,962	2,115,182	2,174,077	2,233,609	2,294,086	2,355,126	2,417,046	2,479,451	2,542,292
Rural population	1,432,159	1,415,928	1,398,553	1,380,412	1,361,514	1,341,205	1,320,458	1,298,604	1,275,620	1,251,824	1,227,205	1,201,398	1,174,739	1,146,867	1,118,127	1,088,516
Percent urban	53.91	54.95	56.00	57.05	58.10	59.17	60.23	61.30	62.38	63.46	64.54	65.63	66.72	67.82	68.92	70.02
Percent rural	46.09	45.05	44.00	42.95	41.90	40.83	39.77	38.70	37.62	36.54	35.46	34.37	33.28	32.18	31.08	29.98

Table C.2.b Age groups and sex distribution for every five years from the population projection of TR2-West Marmara region

Population by Age and Sex - Total							
TR2-West Marmara							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	181,893	93,471	88,422	0-4	172,010	88,156	83,853
5-9	197,239	101,764	95,475	5-9	194,139	99,844	94,295
10-14	221,552	114,166	107,386	10-14	210,071	108,446	101,625
15-19	225,603	116,502	109,101	15-19	232,750	120,384	112,366
20-24	271,431	156,716	114,715	20-24	237,245	122,040	115,205
25-29	258,594	135,358	123,236	25-29	281,584	160,284	121,299
30-34	241,531	123,618	117,913	30-34	268,971	139,197	129,774
35-39	235,466	118,816	116,650	35-39	252,398	128,634	123,764
40-44	230,981	116,728	114,253	40-44	243,198	122,883	120,315
45-49	226,179	113,594	112,585	45-49	237,905	119,889	118,016
50-54	205,911	104,290	101,621	50-54	232,785	116,389	116,396
55-59	166,881	84,579	82,302	55-59	209,537	105,573	103,964
60-64	128,211	62,833	65,378	60-64	165,970	83,529	82,441
65-69	103,148	48,330	54,818	65-69	122,045	59,332	62,714
70-74	86,356	39,155	47,201	70-74	91,038	42,020	49,019
75-79	71,676	31,123	40,553	75-79	67,078	29,663	37,415
80+	54,773	21,298	33,475	80+	66,127	26,220	39,907
TOTAL	3,107,425	1,582,341	1,525,084	TOTAL	3,284,852	1,672,483	1,612,369
2018	Total	Male	Female	2023	Total	Male	Female
0-4	175,982	90,131	85,851	0-4	177,969	91,089	86,880
5-9	184,362	94,581	89,781	5-9	188,409	96,588	91,821
10-14	207,018	106,549	100,469	10-14	197,292	101,311	95,981
15-19	221,358	114,708	106,649	15-19	218,379	112,847	105,532
20-24	244,491	125,966	118,525	20-24	233,236	120,360	112,875
25-29	247,686	125,814	121,872	25-29	255,066	129,794	125,272
30-34	292,064	164,110	127,953	30-34	258,472	129,837	128,635
35-39	279,955	144,232	135,723	35-39	303,205	169,146	134,059
40-44	260,327	132,751	127,575	40-44	288,069	148,386	139,683
45-49	250,415	126,137	124,277	45-49	267,836	136,080	131,756
50-54	244,883	122,784	122,099	50-54	257,826	129,166	128,660
55-59	236,362	117,525	118,837	55-59	248,981	124,039	124,942
60-64	207,382	103,577	103,805	60-64	234,108	115,250	118,858
65-69	157,614	78,338	79,276	65-69	197,112	96,932	100,180
70-74	108,375	51,649	56,726	70-74	140,586	68,182	72,404
75-79	71,838	32,167	39,671	75-79	86,621	39,835	46,786
80+	70,704	28,230	42,474	80+	77,643	31,198	46,445
TOTAL	3,460,814	1,759,249	1,701,565	TOTAL	3,630,809	1,840,041	1,790,768

Table C.3.a Summary table for annual results of the population projection of TR3-Aegean region

TR3-Aegean	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	1.89	1.87	1.85	1.83	1.81	1.79	1.78	1.76	1.74	1.72	1.70	1.68	1.66	1.64	1.62	1.60
GRR	0.92	0.91	0.90	0.89	0.88	0.87	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.79	0.78
NRR	0.89	0.88	0.87	0.86	0.85	0.84	0.84	0.83	0.82	0.81	0.81	0.80	0.79	0.78	0.77	0.76
Mean A. Childb. Childbearing	27.4	27.5	27.6	27.7	27.7	27.8	27.9	28.0	28.1	28.1	28.2	28.3	28.4	28.4	28.5	28.6
Child-woman ratio	0.26	0.26	0.27	0.27	0.27	0.27	0.26	0.26	0.26	0.25	0.25	0.25	0.24	0.24	0.23	0.23
Fertility table: Custom																
Mortality																
Male LE	70.9	70.9	71.1	71.2	71.3	71.5	71.6	71.8	71.9	72.0	72.2	72.3	72.5	72.6	72.7	72.9
Female LE	73.1	73.2	73.3	73.5	73.7	73.8	74.0	74.2	74.3	74.5	74.7	74.8	75.0	75.1	75.3	75.4
Total LE	72.0	72.0	72.2	72.4	72.5	72.7	72.8	73.0	73.1	73.3	73.4	73.6	73.7	73.9	74.0	74.2
IMR	22.0	21.5	21.0	20.5	20.1	19.6	19.2	18.7	18.3	17.8	17.4	17.0	16.5	16.1	15.8	15.4
U5MR	26.0	25.3	24.7	24.1	23.5	23.0	22.4	21.8	21.3	20.7	20.2	19.6	19.0	18.6	18.2	17.7
Life table: Coale-Demeny West																
Immigration																
Male immigration	15,945	15,945	15,945	15,945	15,945	15,945	15,945	15,945	15,945	15,945	15,945	15,945	15,945	15,945	15,945	15,945
Female immigration	18,747	18,747	18,747	18,747	18,747	18,747	18,747	18,747	18,747	18,747	18,747	18,747	18,747	18,747	18,747	18,747
Total immigration	34,692	34,692	34,692	34,692	34,692	34,692	34,692	34,692	34,692	34,692	34,692	34,692	34,692	34,692	34,692	34,692
Vital Rates																
CBR per 1000	15.5	15.2	14.9	14.6	14.3	14.0	13.8	13.5	13.2	12.9	12.6	12.3	12.0	11.8	11.5	11.3
CDR per 1000	8.8	8.6	8.6	8.6	8.6	8.5	8.5	8.5	8.5	8.5	8.5	8.6	8.6	8.7	8.7	8.8
RNI percent	0.67	0.66	0.63	0.60	0.57	0.54	0.52	0.50	0.47	0.44	0.41	0.38	0.34	0.31	0.28	0.25
GR percent	1.04	1.02	0.99	0.96	0.93	0.90	0.87	0.84	0.81	0.78	0.75	0.71	0.68	0.64	0.61	0.57
Doubling time	67.1	68.1	70.4	72.8	75.2	77.7	79.7	82.6	85.8	89.4	93.3	97.7	102.6	108.0	114.1	120.9
Annual Births&Deaths																
Births	145,026	143,835	142,473	140,973	139,375	137,707	136,745	134,946	133,085	131,169	129,219	127,270	125,326	123,405	121,510	119,642
Deaths	82,213	81,550	82,452	83,100	83,635	84,130	84,664	85,217	85,837	86,559	87,405	88,373	89,462	90,660	91,978	93,412
Population																
Total population	9,384,850	9,482,253	9,577,392	9,670,380	9,761,234	9,849,923	9,937,116	10,021,955	10,104,312	10,184,030	10,260,950	10,334,951	10,405,919	10,473,766	10,538,399	10,599,729
Male population	4,691,920	4,742,088	4,790,973	4,838,637	4,885,077	4,930,276	4,974,569	5,017,520	5,059,062	5,099,117	5,137,604	5,174,466	5,209,648	5,243,107	5,274,801	5,304,695
Female population	4,692,930	4,740,165	4,786,419	4,831,744	4,876,156	4,919,648	4,962,547	5,004,435	5,045,250	5,084,913	5,123,345	5,160,485	5,196,270	5,230,660	5,263,598	5,295,034
Percent 0-4	7.09	7.13	7.15	7.15	7.13	7.09	6.96	6.83	6.70	6.58	6.45	6.32	6.18	6.06	5.93	5.81
Percent 5-14	14.77	14.56	14.35	14.16	13.99	13.87	13.86	13.86	13.86	13.85	13.83	13.77	13.69	13.60	13.49	13.36
Percent 15-49	54.75	54.52	54.29	54.05	53.80	53.54	53.27	52.98	52.70	52.42	52.15	51.90	51.65	51.40	51.17	50.94
Percent 15-64	69.47	69.64	69.80	69.95	70.07	70.14	70.15	70.12	70.06	69.98	69.90	69.83	69.75	69.66	69.58	69.49
Percent 65 and over	8.68	8.68	8.70	8.74	8.81	8.90	9.03	9.19	9.37	9.59	9.83	10.09	10.37	10.68	11.00	11.34
Percent females 15-49	54.16	53.96	53.76	53.54	53.31	53.07	52.81	52.54	52.26	51.99	51.72	51.46	51.21	50.96	50.71	50.47
Sex ratio	99.98	100.04	100.10	100.14	100.18	100.22	100.24	100.26	100.27	100.28	100.28	100.27	100.26	100.24	100.21	100.18
Dependency ratio	0.44	0.44	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.44	0.44	0.44
Median age	32	32	33	33	33	34	34	34	35	35	35	36	36	36	37	37
Urban population	6,121,640	6,266,821	6,412,064	6,557,485	6,704,015	6,849,637	6,995,729	7,141,645	7,287,230	7,402,772	7,516,146	7,629,261	7,739,922	7,849,040	7,955,438	8,061,094
Rural population	3,263,210	3,215,432	3,165,328	3,112,895	3,057,218	3,000,287	2,941,386	2,880,310	2,817,082	2,781,259	2,744,804	2,705,690	2,665,996	2,624,726	2,582,962	2,538,635
Percent urban	65.23	66.09	66.95	67.81	68.68	69.54	70.40	71.26	72.12	72.69	73.25	73.82	74.38	74.94	75.49	76.05
Percent rural	34.77	33.91	33.05	32.19	31.32	30.46	29.60	28.74	27.88	27.31	26.75	26.18	25.62	25.06	24.51	23.95

Table C.3.b Age groups and sex distribution for every five years from the population projection of TR3-Aegean region

Population by Age and Sex - Total							
TR3-Aegean							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	665,015	341,949	323,066	0-4	698,388	357,622	340,767
5-9	663,816	341,442	322,374	5-9	682,674	351,291	331,383
10-14	721,913	370,934	350,979	10-14	683,438	351,901	331,537
15-19	725,289	371,679	353,610	15-19	738,433	378,922	359,511
20-24	765,846	384,525	381,321	20-24	736,553	374,896	361,657
25-29	822,812	419,157	403,655	25-29	774,069	384,851	389,217
30-34	767,581	387,454	380,127	30-34	837,600	424,458	413,142
35-39	723,458	362,446	361,012	35-39	781,315	394,526	386,789
40-44	678,976	341,698	337,278	40-44	728,976	365,427	363,549
45-49	653,851	329,035	324,816	45-49	676,894	339,943	336,951
50-54	570,419	287,281	283,138	50-54	644,919	323,547	321,372
55-59	459,590	229,219	230,371	55-59	554,306	277,523	276,783
60-64	352,033	169,124	182,909	60-64	435,248	214,818	220,430
65-69	273,511	127,967	145,544	65-69	319,642	151,231	168,412
70-74	219,038	98,499	120,539	70-74	231,909	106,006	125,903
75-79	184,780	79,521	105,259	75-79	164,356	71,744	92,611
80+	136,922	49,990	86,932	80+	161,202	61,569	99,633
TOTAL	9,384,850	4,691,920	4,692,930	TOTAL	9,849,923	4,930,276	4,919,648
2018	Total	Male	Female	2023	Total	Male	Female
0-4	661,686	338,711	322,974	0-4	616,037	315,282	300,755
5-9	716,324	367,057	349,267	5-9	680,057	348,326	331,731
10-14	702,414	361,793	340,621	10-14	736,153	377,591	358,562
15-19	700,253	360,032	340,222	15-19	719,386	369,993	349,393
20-24	749,980	382,257	367,723	20-24	712,218	363,584	348,634
25-29	745,320	375,449	369,871	25-29	759,081	382,952	376,129
30-34	789,596	390,529	399,067	30-34	761,417	381,361	380,056
35-39	851,483	431,544	419,939	35-39	804,301	398,047	406,254
40-44	787,026	397,538	389,488	40-44	857,350	434,582	422,768
45-49	727,059	363,754	363,305	45-49	785,271	395,889	389,382
50-54	668,515	334,754	333,762	50-54	718,792	358,632	360,161
55-59	627,327	312,941	314,386	55-59	651,559	324,487	327,072
60-64	525,779	260,571	265,209	60-64	596,392	294,558	301,834
65-69	396,338	192,734	203,604	65-69	480,414	234,631	245,783
70-74	272,497	126,092	146,406	70-74	339,472	161,598	177,874
75-79	175,615	78,024	97,592	75-79	208,060	93,683	114,377
80+	163,736	63,826	99,911	80+	173,769	69,500	104,270
TOTAL	10,260,950	5,137,604	5,123,345	TOTAL	10,599,729	5,304,695	5,295,034

Table C.4.a Summary table for annual results of the population projection of TR4-East Marmara region

TR4-East Marmara	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	1.78	1.76	1.74	1.72	1.70	1.68	1.67	1.65	1.63	1.61	1.59	1.57	1.55	1.53	1.51	1.49
GRR	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.80	0.79	0.78	0.77	0.76	0.75	0.74	0.73
NRR	0.84	0.83	0.83	0.82	0.81	0.80	0.80	0.79	0.78	0.77	0.76	0.75	0.74	0.73	0.73	0.72
Mean A. Childb. Childbearing	27.4	27.5	27.6	27.7	27.7	27.8	27.9	28.0	28.1	28.1	28.2	28.3	28.4	28.4	28.5	28.6
Child-woman ratio	0.27	0.27	0.27	0.27	0.26	0.26	0.26	0.25	0.25	0.24	0.24	0.24	0.23	0.23	0.23	0.22
Fertility table: Custom																
Mortality																
Male LE	72.2	72.1	72.3	72.4	72.6	72.8	72.9	73.1	73.2	73.4	73.6	73.7	73.9	74.1	74.2	74.4
Female LE	74.4	74.6	74.9	75.2	75.4	75.7	76.0	76.2	76.5	76.8	77.0	77.3	77.6	77.9	78.1	78.4
Total LE	73.3	73.4	73.6	73.8	74.0	74.2	74.4	74.6	74.9	75.1	75.3	75.5	75.7	76.0	76.2	76.4
IMR	18.2	17.5	16.9	16.3	15.8	15.3	14.8	14.2	13.7	13.2	12.7	12.2	11.6	11.1	10.6	10.1
U5MR	21.1	20.3	19.5	18.8	18.2	17.5	16.9	16.3	15.7	15.1	14.4	13.8	13.2	12.6	12.0	11.3
Life table: Coale-Demeny West																
Immigration																
Male immigration	41,331	41,331	41,331	41,331	41,331	41,331	41,331	41,331	41,331	41,331	41,331	41,331	41,331	41,331	41,331	41,331
Female immigration	40,830	40,830	40,830	40,830	40,830	40,830	40,830	40,830	40,830	40,830	40,830	40,830	40,830	40,830	40,830	40,830
Total immigration	82,161	82,161	82,161	82,161	82,161	82,161	82,161	82,161	82,161	82,161	82,161	82,161	82,161	82,161	82,161	82,161
Vital Rates																
CBR per 1000	15.3	15.1	14.8	14.5	14.3	14.0	13.8	13.6	13.3	13.1	12.8	12.6	12.3	12.1	11.8	11.6
CDR per 1000	7.1	6.9	6.8	6.8	6.7	6.7	6.6	6.6	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.6
RNI percent	0.82	0.82	0.80	0.78	0.76	0.74	0.72	0.70	0.68	0.66	0.63	0.61	0.58	0.56	0.53	0.51
GR percent	2.07	2.04	2.00	1.95	1.91	1.87	1.83	1.79	1.75	1.71	1.67	1.63	1.58	1.54	1.50	1.46
Doubling time	33.8	34.3	35.1	35.9	36.7	37.5	38.2	39.0	40.0	40.9	41.9	43.0	44.1	45.3	46.5	47.7
Annual Births&Deaths																
Births	100,729	101,192	101,507	101,701	101,813	101,862	102,455	102,354	102,172	101,928	101,639	101,306	100,941	100,552	100,134	99,685
Deaths	46,718	46,098	46,817	47,418	47,947	48,445	48,971	49,503	50,081	50,733	51,473	52,300	53,204	54,172	55,194	56,262
Population																
Total population	6,579,427	6,717,439	6,855,043	6,992,237	7,129,010	7,265,331	7,401,715	7,537,463	7,672,447	7,806,530	7,939,582	8,071,471	8,202,087	8,331,343	8,459,155	8,585,445
Male population	3,298,476	3,369,250	3,439,685	3,509,770	3,579,494	3,648,835	3,718,052	3,786,784	3,854,962	3,922,517	3,989,380	4,055,484	4,120,773	4,185,198	4,248,714	4,311,277
Female population	3,280,951	3,348,189	3,415,358	3,482,467	3,549,516	3,616,496	3,683,663	3,750,679	3,817,484	3,884,014	3,950,203	4,015,987	4,081,315	4,146,145	4,210,440	4,274,168
Percent 0-4	7.53	7.46	7.39	7.31	7.22	7.12	7.01	6.89	6.78	6.67	6.56	6.44	6.33	6.21	6.10	5.99
Percent 5-14	15.80	15.59	15.37	15.16	14.96	14.78	14.63	14.49	14.35	14.20	14.05	13.92	13.78	13.63	13.47	13.30
Percent 15-49	55.88	55.83	55.79	55.74	55.68	55.61	55.51	55.41	55.30	55.18	55.05	54.89	54.73	54.56	54.38	54.21
Percent 15-64	69.33	69.60	69.88	70.15	70.39	70.59	70.74	70.86	70.95	71.03	71.09	71.11	71.12	71.12	71.12	71.11
Percent 65 and over	7.34	7.34	7.35	7.38	7.44	7.52	7.62	7.76	7.91	8.09	8.30	8.53	8.78	9.04	9.31	9.60
Percent females 15-49	55.50	55.45	55.42	55.37	55.31	55.24	55.14	55.02	54.90	54.77	54.62	54.45	54.26	54.07	53.88	53.69
Sex ratio	100.53	100.63	100.71	100.78	100.84	100.89	100.93	100.96	100.98	100.99	100.99	100.98	100.97	100.94	100.91	100.87
Dependency ratio	0.44	0.44	0.43	0.43	0.42	0.42	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
Median age	30	31	31	31	32	32	32	32	33	33	34	34	34	34	35	35
Urban population	5,190,584	5,377,982	5,567,666	5,760,205	5,939,178	6,120,315	6,302,561	6,487,494	6,672,727	6,859,598	7,015,415	7,170,695	7,325,284	7,479,879	7,633,541	7,786,141
Rural population	1,388,843	1,339,457	1,287,377	1,232,032	1,189,832	1,145,016	1,099,155	1,049,969	999,720	946,932	924,167	900,776	876,803	851,463	825,614	799,305
Percent urban	78.89	80.06	81.22	82.38	83.31	84.24	85.15	86.07	86.97	87.87	88.36	88.84	89.31	89.78	90.24	90.69
Percent rural	21.11	19.94	18.78	17.62	16.69	15.76	14.85	13.93	13.03	12.13	11.64	11.16	10.69	10.22	9.76	9.31

Table C.4.b Age groups and sex distribution for every five years from the population projection of TR4-East Marmara region

Population by Age and Sex - Total							
TR4-East Marmara							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	495,213	254,258	240,955	0-4	516,958	264,442	252,516
5-9	508,865	262,029	246,836	5-9	528,601	271,644	256,957
10-14	530,952	272,833	258,119	10-14	545,208	280,853	264,355
15-19	523,046	267,572	255,474	15-19	575,832	295,028	280,804
20-24	556,515	274,561	281,954	20-24	584,571	296,857	287,715
25-29	619,673	314,900	304,773	25-29	613,972	302,614	311,358
30-34	561,949	286,259	275,690	30-34	660,983	336,574	324,409
35-39	517,574	261,039	256,535	35-39	589,440	300,713	288,728
40-44	466,973	235,085	231,888	40-44	536,161	270,011	266,150
45-49	430,882	216,406	214,476	45-49	479,172	240,712	238,460
50-54	373,846	188,763	185,083	50-54	436,056	218,577	217,479
55-59	292,268	146,709	145,559	55-59	370,120	185,829	184,291
60-64	218,742	105,326	113,416	60-64	282,065	140,224	141,841
65-69	171,604	79,697	91,907	65-69	203,473	96,450	107,023
70-74	127,430	57,698	69,732	70-74	148,732	67,608	81,125
75-79	107,207	46,494	60,713	75-79	98,106	43,209	54,896
80+	76,688	28,847	47,841	80+	95,880	37,491	58,389
TOTAL	6,579,427	3,298,476	3,280,951	TOTAL	7,265,331	3,648,835	3,616,496
2018	Total	Male	Female	2023	Total	Male	Female
0-4	520,841	266,299	254,542	0-4	514,442	262,908	251,534
5-9	550,539	281,907	268,631	5-9	554,637	283,865	270,772
10-14	565,027	290,503	274,524	10-14	587,048	300,804	286,244
15-19	590,233	303,110	287,122	15-19	610,196	312,826	297,370
20-24	637,482	324,345	313,137	20-24	652,127	332,539	319,588
25-29	642,276	324,976	317,300	25-29	695,407	352,536	342,871
30-34	655,743	324,514	331,228	30-34	684,384	346,976	337,408
35-39	688,532	350,981	337,551	35-39	683,881	339,198	344,683
40-44	608,171	309,652	298,519	40-44	707,405	359,884	347,521
45-49	548,392	275,541	272,851	45-49	620,619	315,129	305,490
50-54	484,477	242,798	241,678	50-54	553,724	277,443	276,281
55-59	431,624	215,045	216,579	55-59	480,148	239,042	241,105
60-64	357,277	177,461	179,816	60-64	417,638	205,654	211,984
65-69	262,822	128,407	134,416	65-69	333,968	162,768	171,200
70-74	177,668	82,229	95,439	70-74	230,959	109,901	121,058
75-79	116,033	51,092	64,941	75-79	140,328	62,679	77,649
80+	102,446	40,518	61,928	80+	118,535	47,124	71,410
TOTAL	7,939,582	3,989,380	3,950,203	TOTAL	8,585,445	4,311,277	4,274,168

Table C.5.a Summary table for annual results of the population projection of TR5-West Anatolia region

TR5-West Anatolia	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	2.37	2.35	2.32	2.30	2.27	2.24	2.22	2.19	2.17	2.14	2.11	2.09	2.06	2.04	2.01	1.98
GRR	1.16	1.15	1.13	1.12	1.11	1.09	1.08	1.07	1.06	1.04	1.03	1.02	1.00	1.00	0.98	0.97
NRR	1.11	1.11	1.09	1.08	1.07	1.06	1.05	1.04	1.03	1.02	1.00	0.99	0.98	0.97	0.96	0.94
Mean A. Childb. Childbearing	27.0	27.2	27.3	27.4	27.5	27.6	27.7	27.8	27.9	28.0	28.1	28.2	28.3	28.4	28.5	28.6
Child-woman ratio	0.28	0.30	0.31	0.32	0.33	0.34	0.33	0.33	0.32	0.32	0.31	0.30	0.30	0.29	0.29	0.28
Fertility table: Custom																
Mortality																
Male LE	71.3	71.2	71.4	71.5	71.7	71.8	71.9	72.1	72.2	72.4	72.5	72.7	72.8	73.0	73.1	73.3
Female LE	73.4	73.5	73.7	73.9	74.1	74.3	74.5	74.7	74.9	75.1	75.3	75.4	75.6	75.8	75.9	76.1
Total LE	72.3	72.4	72.6	72.7	72.9	73.1	73.2	73.4	73.6	73.7	73.9	74.0	74.2	74.4	74.5	74.7
IMR	20.9	20.4	19.9	19.4	18.9	18.4	17.9	17.4	16.9	16.5	16.1	15.7	15.3	14.9	14.5	14.1
U5MR	24.6	24.0	23.3	22.7	22.1	21.4	20.8	20.2	19.6	19.0	18.5	18.1	17.6	17.1	16.6	16.1
Life table: Coale-Demeny West																
Immigration																
Male immigration	9,763	9,763	9,763	9,763	9,763	9,763	9,763	9,763	9,763	9,763	9,763	9,763	9,763	9,763	9,763	9,763
Female immigration	10,300	10,300	10,300	10,300	10,300	10,300	10,300	10,300	10,300	10,300	10,300	10,300	10,300	10,300	10,300	10,300
Total immigration	20,063	20,063	20,063	20,063	20,063	20,063	20,063	20,063	20,063	20,063	20,063	20,063	20,063	20,063	20,063	20,063
Vital Rates																
CBR per 1000	20.6	20.1	19.5	19.1	18.5	18.0	17.6	17.1	16.7	16.2	15.8	15.4	15.0	14.7	14.3	14.0
CDR per 1000	7.1	6.9	6.8	6.8	6.7	6.6	6.6	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.6	6.6
RNI percent	1.35	1.32	1.27	1.23	1.18	1.13	1.10	1.05	1.02	0.97	0.93	0.89	0.85	0.82	0.78	0.74
GR percent	1.65	1.62	1.56	1.51	1.46	1.41	1.37	1.32	1.28	1.23	1.19	1.15	1.10	1.07	1.02	0.98
Doubling time	42.3	43.3	44.8	46.2	47.8	49.5	51.0	52.8	54.5	56.6	58.8	60.8	63.3	65.4	68.1	71.0
Annual Births&Deaths																
Births	139,037	137,972	136,166	134,857	132,934	131,014	129,666	127,700	126,299	124,324	122,387	121,063	119,222	118,046	116,384	114,811
Deaths	47,710	47,213	47,667	47,956	48,171	48,375	48,642	48,930	49,283	49,727	50,292	50,958	51,706	52,541	53,439	54,399
Population																
Total population	6,748,952	6,860,098	6,968,984	7,076,272	7,181,422	7,284,449	7,385,861	7,485,021	7,582,426	7,677,412	7,769,898	7,860,393	7,948,301	8,034,198	8,117,535	8,198,339
Male population	3,356,710	3,414,282	3,470,614	3,526,051	3,580,317	3,633,423	3,685,625	3,736,602	3,786,609	3,835,311	3,882,665	3,928,932	3,973,808	4,017,587	4,059,992	4,101,037
Female population	3,392,242	3,445,816	3,498,369	3,550,221	3,601,105	3,651,026	3,700,236	3,748,419	3,795,816	3,842,101	3,887,233	3,931,461	3,974,493	4,016,610	4,057,543	4,097,302
Percent 0-4	7.95	8.28	8.57	8.82	9.03	9.20	8.97	8.75	8.53	8.32	8.11	7.92	7.73	7.55	7.38	7.22
Percent 5-14	16.45	16.26	16.05	15.85	15.66	15.50	15.73	15.95	16.14	16.30	16.42	16.53	16.61	16.67	16.70	16.71
Percent 15-49	56.22	55.82	55.45	55.10	54.76	54.41	54.07	53.72	53.39	53.07	52.77	52.46	52.15	51.85	51.56	51.28
Percent 15-64	68.97	68.86	68.78	68.72	68.67	68.59	68.50	68.40	68.29	68.19	68.09	67.98	67.87	67.77	67.66	67.56
Percent 65 and over	6.63	6.60	6.60	6.61	6.64	6.71	6.79	6.91	7.04	7.20	7.37	7.57	7.78	8.01	8.26	8.52
Percent females 15-49	55.90	55.51	55.14	54.79	54.43	54.08	53.72	53.37	53.02	52.68	52.35	52.00	51.65	51.32	50.99	50.68
Sex ratio	98.95	99.08	99.21	99.32	99.42	99.52	99.61	99.68	99.76	99.82	99.88	99.94	99.98	100.02	100.06	100.09
Dependency ratio	0.45	0.45	0.45	0.46	0.46	0.46	0.46	0.46	0.46	0.47	0.47	0.47	0.47	0.48	0.48	0.48
Median age	30	30	30	30	30	31	31	31	31	32	32	32	32	33	33	33
Urban population	5,757,904	5,909,974	6,034,443	6,157,772	6,280,154	6,401,574	6,522,454	6,641,459	6,759,732	6,876,658	6,991,354	7,105,796	7,217,057	7,327,992	7,436,474	7,542,472
Rural population	991,048	950,124	934,541	918,500	901,268	882,875	863,407	843,562	822,693	800,754	778,544	754,598	731,244	706,206	681,061	655,867
Percent urban	85.32	86.15	86.59	87.02	87.45	87.88	88.31	88.73	89.15	89.57	89.98	90.40	90.80	91.21	91.61	92.00
Percent rural	14.68	13.85	13.41	12.98	12.55	12.12	11.69	11.27	10.85	10.43	10.02	9.60	9.20	8.79	8.39	8.00

Table C.5.b Age groups and sex distribution for every five years from the population projection of TR5-West Anatolia region

Population by Age and Sex - Total							
TR5-West Anatolia							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	536,715	275,817	260,898	0-4	670,385	343,316	327,069
5-9	545,577	279,699	265,878	5-9	558,878	287,443	271,435
10-14	564,434	289,431	275,003	10-14	569,856	292,512	277,344
15-19	547,329	278,388	268,941	15-19	590,165	300,137	290,028
20-24	616,790	312,991	303,799	20-24	552,029	278,832	273,197
25-29	617,095	308,888	308,207	25-29	608,114	309,843	298,272
30-34	561,694	279,447	282,247	30-34	628,148	314,707	313,440
35-39	528,138	260,141	267,997	35-39	574,137	286,241	287,896
40-44	484,142	239,787	244,355	40-44	532,117	262,531	269,586
45-49	438,895	218,127	220,768	45-49	478,944	236,862	242,081
50-54	366,046	181,997	184,049	50-54	425,767	210,958	214,809
55-59	284,558	139,921	144,637	55-59	346,036	170,658	175,379
60-64	210,341	98,860	111,481	60-64	261,299	126,649	134,650
65-69	157,949	71,944	86,005	65-69	186,078	85,393	100,685
70-74	115,770	50,847	64,923	70-74	131,306	57,970	73,335
75-79	99,075	43,445	55,630	75-79	85,429	36,185	49,244
80+	74,404	26,980	47,424	80+	85,761	33,185	52,576
TOTAL	6,748,952	3,356,710	3,392,242	TOTAL	7,284,449	3,633,423	3,651,026
2018	Total	Male	Female	2023	Total	Male	Female
0-4	630,389	322,676	307,714	0-4	591,598	302,809	288,789
5-9	692,513	354,852	337,661	5-9	652,877	334,390	318,488
10-14	583,267	300,291	282,975	10-14	716,825	367,646	349,179
15-19	595,758	303,286	292,472	15-19	609,291	311,127	298,164
20-24	595,006	300,613	294,393	20-24	600,810	303,873	296,937
25-29	543,965	275,981	267,984	25-29	587,065	297,810	289,254
30-34	619,617	315,815	303,802	30-34	556,039	282,251	273,788
35-39	640,683	321,477	319,205	35-39	632,603	322,769	309,834
40-44	578,297	288,641	289,656	40-44	644,894	323,859	321,035
45-49	526,954	259,592	267,361	45-49	573,276	285,703	287,573
50-54	465,755	229,634	236,121	50-54	513,702	252,298	261,404
55-59	404,554	198,889	205,664	55-59	444,308	217,374	226,934
60-64	320,237	155,808	164,429	60-64	376,833	182,818	194,015
65-69	233,241	110,688	122,553	65-69	288,273	137,432	150,841
70-74	156,181	69,605	86,576	70-74	197,701	91,296	106,405
75-79	98,135	41,850	56,284	75-79	118,260	50,936	67,324
80+	85,347	32,964	52,383	80+	93,985	36,648	57,337
TOTAL	7,769,898	3,882,665	3,887,233	TOTAL	8,198,339	4,101,037	4,097,302

TR6-Mediterranean:

All of the calculations and population projection processes of this region are the same with 02-South region. Projection results as summary tables and age-sex distribution are provided with the relevant tables of 02-South region by the codes “**Table.B.2.a**” and “**Table.B.2.b**”.

Table C.7.a Summary table for annual results of the population projection of TR7-Central Anatolia region

TR7-Central Anatolia	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	2.06	2.05	2.04	2.03	2.02	2.01	2.00	1.99	1.98	1.97	1.95	1.94	1.93	1.92	1.91	1.90
GRR	1.00	1.00	1.00	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.95	0.95	0.94	0.94	0.93	0.93
NRR	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.95	0.94	0.94	0.93	0.92	0.92	0.92	0.91	0.91
Mean A. Childb. Childbearing	27.0	27.2	27.3	27.4	27.5	27.6	27.7	27.8	27.9	28.0	28.1	28.2	28.3	28.4	28.5	28.6
Child-woman ratio	0.33	0.32	0.32	0.31	0.30	0.29	0.29	0.29	0.28	0.28	0.28	0.27	0.27	0.27	0.26	0.26
Fertility table: Custom																
Mortality																
Male LE	71.6	71.5	71.7	71.8	72.0	72.1	72.3	72.4	72.6	72.7	72.9	73.0	73.2	73.3	73.5	73.6
Female LE	73.8	73.9	74.1	74.3	74.6	74.8	75.0	75.2	75.4	75.6	75.8	76.0	76.2	76.4	76.6	76.8
Total LE	72.7	72.7	72.9	73.1	73.3	73.4	73.6	73.8	74.0	74.1	74.3	74.5	74.7	74.8	75.0	75.2
IMR	20.0	19.4	18.9	18.4	17.8	17.3	16.7	16.3	15.9	15.4	15.0	14.6	14.1	13.7	13.2	12.8
U5MR	23.4	22.7	22.0	21.4	20.7	20.0	19.3	18.8	18.3	17.7	17.2	16.7	16.2	15.7	15.1	14.6
Life table: Coale-Demeny West																
Immigration																
Male immigration	-15,549	-15,549	-15,549	-15,549	-15,549	-15,549	-15,549	-15,549	-15,549	-15,549	-15,549	-15,549	-15,549	-15,549	-15,549	-15,549
Female immigration	-18,750	-18,750	-18,750	-18,750	-18,750	-18,750	-18,750	-18,750	-18,750	-18,750	-18,750	-18,750	-18,750	-18,750	-18,750	-18,750
Total immigration	-34,299	-34,299	-34,299	-34,299	-34,299	-34,299	-34,299	-34,299	-34,299	-34,299	-34,299	-34,299	-34,299	-34,299	-34,299	-34,299
Vital Rates																
CBR per 1000	16.8	16.5	16.2	15.9	15.6	15.3	15.0	14.7	14.4	14.1	13.7	13.4	13.2	12.9	12.6	12.3
CDR per 1000	7.5	7.4	7.5	7.5	7.5	7.6	7.6	7.7	7.7	7.8	7.9	8.0	8.1	8.3	8.5	8.6
RNI percent	0.93	0.91	0.87	0.84	0.80	0.77	0.74	0.70	0.67	0.63	0.59	0.54	0.50	0.46	0.41	0.37
GR percent	0.03	0.01	-0.03	-0.07	-0.10	-0.14	-0.17	-0.21	-0.24	-0.28	-0.33	-0.38	-0.43	-0.47	-0.52	-0.57
Doubling time	2739.5	12612.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Annual Births&Deaths																
Births	63,530	62,464	61,349	60,196	59,013	57,806	56,583	55,345	54,094	52,825	51,278	49,980	48,694	47,426	46,176	44,939
Deaths	28,271	27,956	28,273	28,456	28,561	28,636	28,740	28,841	28,976	29,170	29,429	29,754	30,129	30,540	30,976	31,431
Population																
Total population	3,792,512	3,792,448	3,790,953	3,788,123	3,784,004	3,778,604	3,771,878	3,763,813	3,754,362	3,743,449	3,730,730	3,716,388	3,700,385	3,682,703	3,663,336	3,642,277
Male population	1,896,746	1,899,238	1,900,918	1,901,858	1,902,097	1,901,647	1,900,485	1,898,610	1,895,998	1,892,606	1,888,250	1,883,020	1,876,891	1,869,854	1,861,904	1,853,039
Female population	1,895,766	1,893,210	1,890,035	1,886,264	1,881,907	1,876,957	1,871,393	1,865,203	1,858,364	1,850,843	1,842,480	1,833,368	1,823,494	1,812,850	1,801,432	1,789,237
Percent 0-4	8.66	8.47	8.27	8.06	7.84	7.60	7.47	7.33	7.19	7.06	6.91	6.77	6.62	6.48	6.34	6.21
Percent 5-14	18.26	17.92	17.58	17.24	16.93	16.65	16.29	15.96	15.64	15.34	15.04	14.76	14.47	14.16	13.84	13.49
Percent 15-49	53.09	53.08	53.07	53.03	52.97	52.86	52.70	52.49	52.25	51.97	51.67	51.33	50.98	50.63	50.28	49.94
Percent 15-64	65.49	65.88	66.28	66.67	67.03	67.34	67.59	67.80	67.96	68.09	68.19	68.26	68.31	68.36	68.40	68.43
Percent 65 and over	7.59	7.72	7.86	8.02	8.21	8.42	8.65	8.91	9.20	9.52	9.86	10.22	10.60	11.00	11.43	11.87
Percent females 15-49	52.40	52.35	52.29	52.21	52.09	51.94	51.75	51.51	51.23	50.91	50.56	50.16	49.74	49.30	48.87	48.45
Sex ratio	100.05	100.32	100.58	100.83	101.07	101.32	101.55	101.79	102.03	102.26	102.48	102.71	102.93	103.14	103.36	103.57
Dependency ratio	0.53	0.52	0.51	0.50	0.49	0.49	0.48	0.47	0.47	0.47	0.47	0.47	0.46	0.46	0.46	0.46
Median age	28	29	29	30	30	31	31	32	32	33	33	34	35	35	36	36
Urban population	2,093,245	2,134,010	2,174,490	2,214,158	2,252,996	2,290,968	2,328,381	2,364,427	2,400,164	2,434,365	2,467,505	2,499,271	2,529,583	2,558,742	2,586,315	2,612,605
Rural population	1,699,267	1,658,437	1,616,462	1,573,965	1,531,008	1,487,637	1,443,498	1,399,386	1,354,198	1,309,084	1,263,225	1,217,117	1,170,802	1,123,961	1,077,021	1,029,672
Percent urban	55.19	56.27	57.36	58.45	59.54	60.63	61.73	62.82	63.93	65.03	66.14	67.25	68.36	69.48	70.60	71.73
Percent rural	44.81	43.73	42.64	41.55	40.46	39.37	38.27	37.18	36.07	34.97	33.86	32.75	31.64	30.52	29.40	28.27

Table C.7.b Age groups and sex distribution for every five years from the population projection of TR7-Central Anatolia region

Population by Age and Sex - Total							
TR7-Central Anatolia							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	328,305	168,415	159,890	0-4	287,274	146,998	140,277
5-9	338,049	172,691	165,358	5-9	310,787	159,514	151,273
10-14	354,521	180,797	173,724	10-14	318,197	162,070	156,128
15-19	341,113	174,219	166,894	15-19	334,160	171,939	162,221
20-24	331,709	169,077	162,632	20-24	304,425	161,345	143,079
25-29	324,031	166,842	157,189	25-29	291,023	150,149	140,873
30-34	285,707	144,589	141,118	30-34	300,825	153,555	147,270
35-39	267,963	133,362	134,601	35-39	272,073	137,812	134,261
40-44	244,853	123,198	121,655	40-44	257,967	128,205	129,762
45-49	218,119	108,794	109,325	45-49	236,865	119,359	117,506
50-54	186,586	93,393	93,193	50-54	212,330	105,602	106,728
55-59	156,712	76,863	79,849	55-59	182,819	91,273	91,546
60-64	126,951	57,895	69,056	60-64	151,838	74,214	77,624
65-69	101,054	45,567	55,487	65-69	118,185	53,475	64,710
70-74	73,447	32,038	41,409	70-74	87,058	38,692	48,366
75-79	68,808	32,764	36,044	75-79	55,739	23,764	31,976
80+	44,584	16,242	28,342	80+	57,039	23,683	33,356
TOTAL	3,792,512	1,896,746	1,895,766	TOTAL	3,778,604	1,901,647	1,876,957
2018	Total	Male	Female	2023	Total	Male	Female
0-4	257,879	131,894	125,985	0-4	226,072	115,612	110,460
5-9	270,047	138,221	131,826	5-9	240,817	123,209	117,609
10-14	291,046	148,943	142,103	10-14	250,404	127,707	122,697
15-19	298,008	153,300	144,709	15-19	270,978	140,242	130,736
20-24	297,643	159,142	138,501	20-24	261,703	140,631	121,071
25-29	264,010	142,529	121,481	25-29	257,385	140,410	116,975
30-34	268,154	137,019	131,135	30-34	241,384	129,504	111,880
35-39	287,339	146,818	140,521	35-39	255,011	130,454	124,557
40-44	262,323	132,736	129,588	40-44	277,738	141,793	135,945
45-49	250,161	124,451	125,710	45-49	254,813	129,092	125,721
50-54	231,110	116,123	114,987	50-54	244,621	121,322	123,299
55-59	208,205	103,242	104,962	55-59	226,968	113,647	113,320
60-64	177,072	87,952	89,120	60-64	201,879	99,510	102,370
65-69	141,386	68,375	73,011	65-69	165,263	81,078	84,185
70-74	102,364	45,573	56,791	70-74	123,038	58,420	64,618
75-79	66,801	28,981	37,820	75-79	79,380	34,408	44,972
80+	57,180	22,950	34,230	80+	64,822	26,000	38,822
TOTAL	3,730,730	1,888,250	1,842,480	TOTAL	3,642,277	1,853,039	1,789,237

Table C.8.a Summary table for annual results of the population projection of TR8-West Black Sea region

TR8-West Black Sea	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	
Fertility																	
Input TFR	1.87	1.84	1.81	1.78	1.74	1.71	1.68	1.65	1.62	1.59	1.56	1.53	1.49	1.46	1.43	1.40	
GRR	0.91	0.90	0.88	0.87	0.85	0.83	0.82	0.80	0.79	0.78	0.76	0.75	0.73	0.71	0.70	0.68	
NRR	0.89	0.87	0.86	0.85	0.83	0.82	0.80	0.79	0.78	0.76	0.75	0.74	0.72	0.70	0.69	0.68	
Mean A. Childb. Childbearing	27.5	27.6	27.6	27.7	27.8	27.9	27.9	28.0	28.1	28.2	28.2	28.3	28.4	28.5	28.5	28.6	
Child-woman ratio	0.27	0.27	0.27	0.27	0.27	0.26	0.26	0.25	0.24	0.24	0.23	0.23	0.22	0.22	0.21	0.20	
Fertility table: Custom																	
Mortality																	
Male LE	72.6	72.6	72.8	72.9	73.1	73.3	73.5	73.7	73.9	74.1	74.3	74.5	74.7	74.9	75.0	75.3	
Female LE	74.8	75.1	75.4	75.7	76.0	76.3	76.7	77.0	77.3	77.6	78.0	78.3	78.7	79.0	79.4	79.7	
Total LE	73.7	73.9	74.1	74.3	74.6	74.8	75.1	75.4	75.6	75.9	76.1	76.4	76.7	76.9	77.2	77.5	
IMR	16.9	16.2	15.6	15.0	14.4	13.8	13.2	12.6	11.9	11.3	10.7	10.1	9.5	8.9	8.3	7.7	
U5MR	19.5	18.6	17.9	17.2	16.5	15.8	15.0	14.3	13.6	12.9	12.1	11.4	10.7	10.0	9.2	8.5	
Life table: Coale-Demeny West																	
Immigration																	
Male immigration	-9,126	-9,126	-9,126	-9,126	-9,126	-9,126	-9,126	-9,126	-9,126	-9,126	-9,126	-9,126	-9,126	-9,126	-9,126	-9,126	-9,126
Female immigration	-10,403	-10,403	-10,403	-10,403	-10,403	-10,403	-10,403	-10,403	-10,403	-10,403	-10,403	-10,403	-10,403	-10,403	-10,403	-10,403	-10,403
Total immigration	-19,529	-19,529	-19,529	-19,529	-19,529	-19,529	-19,529	-19,529	-19,529	-19,529	-19,529	-19,529	-19,529	-19,529	-19,529	-19,529	-19,529
Vital Rates																	
CBR per 1000	14.5	14.1	13.8	13.4	12.9	12.5	12.1	11.7	11.3	11.0	10.6	10.2	9.7	9.4	9.0	8.7	
CDR per 1000	8.8	8.7	8.8	8.8	8.8	8.9	8.9	8.9	8.9	9.0	9.0	9.1	9.2	9.4	9.5	9.7	
RNI percent	0.57	0.55	0.50	0.46	0.41	0.37	0.33	0.29	0.24	0.20	0.15	0.11	0.05	0.00	-0.05	-0.10	
GR percent	0.13	0.11	0.06	0.02	-0.03	-0.07	-0.11	-0.15	-0.19	-0.24	-0.29	-0.34	-0.39	-0.44	-0.50	-0.55	
Doubling time	523.7	622.6	1069.0	3170.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Annual Births&Deaths																	
Births	64,863	63,334	61,734	60,063	57,989	56,194	54,362	52,513	50,655	48,789	46,918	45,043	42,907	41,098	39,325	37,586	
Deaths	39,403	38,811	39,295	39,553	39,662	39,694	39,736	39,747	39,782	39,887	40,082	40,361	40,703	41,094	41,511	41,945	
Population																	
Total population	4,478,027	4,483,133	4,486,154	4,487,245	4,486,152	4,483,229	4,478,431	4,471,772	4,463,218	4,452,692	4,440,099	4,425,350	4,408,121	4,388,691	4,367,069	4,343,273	
Male population	2,211,675	2,216,045	2,219,205	2,221,239	2,222,022	2,221,742	2,220,379	2,217,945	2,214,423	2,209,780	2,203,969	2,196,949	2,188,556	2,178,936	2,168,091	2,156,029	
Female population	2,266,352	2,267,088	2,266,950	2,266,007	2,264,130	2,261,487	2,258,052	2,253,828	2,248,795	2,242,912	2,236,130	2,228,401	2,219,564	2,209,755	2,198,979	2,187,244	
Percent 0-4	7.12	7.09	7.02	6.91	6.77	6.59	6.40	6.21	6.02	5.83	5.65	5.46	5.27	5.08	4.90	4.71	
Percent 5-14	16.09	15.67	15.29	14.94	14.63	14.37	14.13	13.91	13.70	13.49	13.28	13.10	12.88	12.63	12.34	12.01	
Percent 15-49	51.71	51.51	51.29	51.05	50.80	50.52	50.23	49.91	49.57	49.21	48.82	48.38	47.95	47.54	47.14	46.77	
Percent 15-64	66.73	67.04	67.34	67.61	67.86	68.05	68.19	68.27	68.30	68.29	68.23	68.11	67.99	67.88	67.77	67.66	
Percent 65 and over	10.05	10.20	10.36	10.54	10.74	10.99	11.28	11.61	11.98	12.39	12.85	13.33	13.85	14.41	14.99	15.61	
Percent females 15-49	51.36	51.13	50.88	50.60	50.31	49.99	49.66	49.31	48.93	48.53	48.10	47.61	47.12	46.66	46.21	45.79	
Sex ratio	97.59	97.75	97.89	98.02	98.14	98.24	98.33	98.41	98.47	98.52	98.56	98.59	98.60	98.61	98.60	98.57	
Dependency ratio	0.50	0.49	0.49	0.48	0.47	0.47	0.47	0.46	0.46	0.46	0.46	0.47	0.47	0.47	0.48	0.48	
Median age	32	32	33	33	34	34	35	36	36	37	38	38	39	40	40	41	
Urban population	2,242,587	2,285,950	2,328,314	2,369,714	2,409,961	2,449,188	2,487,321	2,523,868	2,559,209	2,593,693	2,626,318	2,657,422	2,686,750	2,713,967	2,739,899	2,763,625	
Rural population	2,235,440	2,197,184	2,157,840	2,117,531	2,076,191	2,034,041	1,991,111	1,947,904	1,904,009	1,858,999	1,813,780	1,767,927	1,721,371	1,674,725	1,627,170	1,579,648	
Percent urban	50.08	50.99	51.90	52.81	53.72	54.63	55.54	56.44	57.34	58.25	59.15	60.05	60.95	61.84	62.74	63.63	
Percent rural	49.92	49.01	48.10	47.19	46.28	45.37	44.46	43.56	42.66	41.75	40.85	39.95	39.05	38.16	37.26	36.37	

Table C.8.b Age groups and sex distribution for every five years from the population projection of TR8-West Black Sea region

Population by Age and Sex - Total TR8-West Black Sea							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	319,017	164,064	154,953	0-4	295,249	151,179	144,070
5-9	344,407	176,151	168,256	5-9	313,049	160,391	152,659
10-14	376,107	191,478	184,629	10-14	331,282	168,240	163,043
15-19	379,675	192,563	187,112	15-19	349,273	177,759	171,514
20-24	353,203	174,107	179,096	20-24	330,841	168,645	162,196
25-29	355,721	178,725	176,996	25-29	316,640	155,972	160,668
30-34	324,512	161,476	163,036	30-34	345,684	173,461	172,223
35-39	313,465	154,173	159,292	35-39	320,214	160,484	159,729
40-44	298,325	147,617	150,708	40-44	307,531	152,311	155,220
45-49	290,856	143,057	147,799	45-49	294,755	145,762	148,993
50-54	263,957	130,723	133,234	50-54	292,980	143,939	149,041
55-59	225,556	110,951	114,605	55-59	268,480	132,733	135,747
60-64	183,005	85,977	97,028	60-64	224,572	110,170	114,402
65-69	154,435	71,474	82,961	65-69	173,751	80,933	92,818
70-74	116,831	53,831	63,000	70-74	135,450	61,533	73,917
75-79	110,422	50,355	60,067	75-79	90,140	40,480	49,660
80+	68,533	24,953	43,580	80+	93,337	37,750	55,587
TOTAL	4,478,027	2,211,675	2,266,352	TOTAL	4,483,229	2,221,742	2,261,487
2018	Total	Male	Female	2023	Total	Male	Female
0-4	250,724	128,328	122,397	0-4	204,710	104,743	99,967
5-9	289,493	147,612	141,880	5-9	245,172	124,866	120,306
10-14	300,035	152,537	147,498	10-14	276,566	139,804	136,763
15-19	304,635	154,622	150,014	15-19	273,532	138,995	134,536
20-24	300,692	153,974	146,718	20-24	256,298	130,974	125,324
25-29	294,549	150,625	143,924	25-29	264,663	136,088	128,575
30-34	306,989	150,896	156,093	30-34	285,181	145,662	139,519
35-39	341,620	172,539	169,081	35-39	303,371	150,184	153,187
40-44	314,651	158,744	155,908	40-44	336,377	170,897	165,480
45-49	304,434	150,628	153,806	45-49	312,072	157,232	154,840
50-54	297,596	146,904	150,692	50-54	307,947	152,014	155,933
55-59	297,684	145,886	151,799	55-59	303,307	149,205	154,102
60-64	266,658	131,133	135,525	60-64	296,095	144,119	151,977
65-69	213,329	103,310	110,019	65-69	254,050	122,975	131,075
70-74	153,801	70,071	83,730	70-74	190,187	89,736	100,451
75-79	106,341	46,817	59,524	75-79	122,682	53,887	68,795
80+	96,868	39,345	57,523	80+	111,061	44,647	66,414
TOTAL	4,440,099	2,203,969	2,236,130	TOTAL	4,343,273	2,156,029	2,187,244

Table C.9.a Summary table for annual results of the population projection of TR9-East Black Sea region

TR9-East Black Sea	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	2.04	2.00	1.95	1.91	1.87	1.83	1.78	1.74	1.70	1.66	1.61	1.57	1.53	1.49	1.44	1.40
GRR	1.00	0.98	0.95	0.93	0.91	0.89	0.87	0.85	0.83	0.81	0.79	0.77	0.75	0.73	0.70	0.68
NRR	0.94	0.93	0.90	0.89	0.87	0.85	0.83	0.81	0.79	0.77	0.75	0.73	0.71	0.70	0.67	0.66
Mean A. Childb. Childbearing	27.5	27.6	27.6	27.7	27.8	27.9	27.9	28.0	28.1	28.2	28.2	28.3	28.4	28.5	28.5	28.6
Child-woman ratio	0.27	0.27	0.27	0.27	0.27	0.27	0.26	0.26	0.25	0.25	0.24	0.23	0.23	0.22	0.22	0.21
Fertility table: Custom																
Mortality																
Male LE	69.0	68.9	69.1	69.2	69.3	69.5	69.6	69.7	69.9	70.0	70.1	70.3	70.4	70.5	70.7	70.8
Female LE	71.2	71.2	71.4	71.5	71.6	71.7	71.9	72.0	72.1	72.2	72.4	72.5	72.6	72.8	72.9	73.0
Total LE	70.1	70.1	70.2	70.3	70.5	70.6	70.7	70.9	71.0	71.1	71.2	71.4	71.5	71.6	71.8	71.9
IMR	28.8	28.3	27.9	27.4	27.0	26.5	26.1	25.6	25.1	24.7	24.2	23.8	23.3	22.9	22.4	21.9
U5MR	34.9	34.3	33.7	33.1	32.5	31.9	31.3	30.7	30.1	29.5	28.9	28.3	27.7	27.1	26.5	26.0
Life table: Coale-Demeny West																
Immigration																
Male immigration	-2,853	-2,853	-2,853	-2,853	-2,853	-2,853	-2,853	-2,853	-2,853	-2,853	-2,853	-2,853	-2,853	-2,853	-2,853	-2,853
Female immigration	-2,769	-2,769	-2,769	-2,769	-2,769	-2,769	-2,769	-2,769	-2,769	-2,769	-2,769	-2,769	-2,769	-2,769	-2,769	-2,769
Total immigration	-5,622	-5,622	-5,622	-5,622	-5,622	-5,622	-5,622	-5,622	-5,622	-5,622	-5,622	-5,622	-5,622	-5,622	-5,622	-5,622
Vital Rates																
CBR per 1000	15.6	15.2	14.7	14.2	13.8	13.4	12.9	12.5	12.1	11.7	11.2	10.8	10.4	10.0	9.6	9.2
CDR per 1000	11.0	10.9	11.0	11.1	11.1	11.1	11.1	11.1	11.1	11.2	11.3	11.4	11.6	11.7	11.9	12.1
RNI percent	0.46	0.43	0.36	0.32	0.28	0.23	0.18	0.14	0.10	0.05	0.00	-0.06	-0.11	-0.17	-0.24	-0.30
GR percent	0.24	0.20	0.14	0.10	0.05	0.01	-0.04	-0.08	-0.12	-0.17	-0.23	-0.28	-0.34	-0.40	-0.46	-0.53
Doubling time	295.2	344.4	490.5	729.7	1334.2	6753.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Annual Births&Deaths																
Births	39,092	38,077	36,875	35,860	34,833	33,792	32,562	31,518	30,471	29,413	28,164	27,068	25,968	24,866	23,596	22,489
Deaths	27,576	27,393	27,695	27,845	27,902	27,911	27,930	27,944	27,986	28,088	28,258	28,495	28,782	29,104	29,444	29,801
Population																
Total population	2,507,386	2,512,552	2,516,215	2,518,712	2,520,124	2,520,485	2,519,597	2,517,650	2,514,612	2,510,414	2,504,796	2,497,845	2,489,507	2,479,743	2,468,368	2,455,529
Male population	1,245,069	1,249,086	1,252,203	1,254,597	1,256,318	1,257,393	1,257,732	1,257,444	1,256,520	1,254,936	1,252,567	1,249,466	1,245,607	1,240,974	1,235,470	1,229,168
Female population	1,262,317	1,263,466	1,264,012	1,264,115	1,263,807	1,263,092	1,261,865	1,260,206	1,258,092	1,255,478	1,252,229	1,248,380	1,243,900	1,238,769	1,232,898	1,226,360
Percent 0-4	6.92	6.98	7.00	6.99	6.94	6.86	6.66	6.46	6.26	6.07	5.86	5.67	5.47	5.28	5.08	4.88
Percent 5-14	16.39	15.85	15.34	14.87	14.43	14.05	13.82	13.60	13.40	13.22	13.06	12.96	12.83	12.68	12.49	12.26
Percent 15-49	52.32	52.21	52.09	51.95	51.77	51.53	51.23	50.89	50.49	50.05	49.59	49.03	48.49	47.97	47.47	47.01
Percent 15-64	66.24	66.71	67.20	67.68	68.12	68.50	68.83	69.09	69.28	69.39	69.43	69.34	69.22	69.08	68.94	68.81
Percent 65 and over	10.46	10.46	10.46	10.47	10.51	10.59	10.70	10.85	11.06	11.32	11.64	12.03	12.48	12.97	13.50	14.05
Percent females 15-49	51.18	51.13	51.08	51.01	50.89	50.72	50.48	50.19	49.85	49.46	49.03	48.51	47.99	47.49	47.02	46.59
Sex ratio	98.63	98.86	99.07	99.25	99.41	99.55	99.67	99.78	99.88	99.96	100.03	100.09	100.14	100.18	100.21	100.23
Dependency ratio	0.51	0.50	0.49	0.48	0.47	0.46	0.45	0.45	0.44	0.44	0.44	0.44	0.44	0.45	0.45	0.45
Median age	31	32	32	33	33	34	35	35	36	36	37	38	38	39	40	40
Urban population	835,857	856,027	875,643	894,898	913,797	932,327	950,392	968,036	985,476	1,002,157	1,018,200	1,033,608	1,048,580	1,062,570	1,075,715	1,088,045
Rural population	1,671,529	1,656,526	1,640,572	1,623,814	1,606,327	1,588,158	1,569,205	1,549,613	1,529,135	1,508,257	1,486,597	1,464,237	1,440,926	1,417,173	1,392,653	1,367,484
Percent urban	33.34	34.07	34.80	35.53	36.26	36.99	37.72	38.45	39.19	39.92	40.65	41.38	42.12	42.85	43.58	44.31
Percent rural	66.66	65.93	65.20	64.47	63.74	63.01	62.28	61.55	60.81	60.08	59.35	58.62	57.88	57.15	56.42	55.69

Table C.9.b Age groups and sex distribution for every five years from the population projection of TR9-East Black Sea region

Population by Age and Sex - Total							
TR9-East Black Sea							
	Total	Male	Female		Total	Male	Female
2008				2013			
0-4	173,422	89,035	84,387	0-4	173,011	88,493	84,518
5-9	194,365	99,472	94,893	5-9	167,477	85,805	81,672
10-14	216,502	109,931	106,571	10-14	186,691	95,051	91,640
15-19	218,140	110,889	107,251	15-19	207,722	105,693	102,028
20-24	202,228	102,326	99,902	20-24	199,321	101,999	97,322
25-29	198,302	100,996	97,306	25-29	177,732	88,787	88,945
30-34	180,640	92,002	88,638	30-34	183,943	92,124	91,819
35-39	180,205	90,607	89,598	35-39	177,311	90,264	87,046
40-44	173,086	88,178	84,908	40-44	178,733	90,422	88,312
45-49	159,285	80,862	78,423	45-49	173,954	88,838	85,116
50-54	144,650	71,591	73,059	50-54	164,559	83,590	80,969
55-59	112,206	55,987	56,219	55-59	149,926	74,386	75,540
60-64	92,205	41,943	50,262	60-64	113,302	56,444	56,858
65-69	84,292	37,696	46,596	65-69	87,734	39,786	47,949
70-74	65,704	30,490	35,214	70-74	73,395	32,397	40,998
75-79	67,091	29,988	37,103	75-79	49,871	22,658	27,213
80+	45,063	13,076	31,987	80+	55,803	20,657	35,147
TOTAL	2,507,386	1,245,069	1,262,317	TOTAL	2,520,485	1,257,393	1,263,092
2018				2023			
0-4	146,894	75,146	71,748	0-4	119,827	61,307	58,520
5-9	167,192	85,333	81,858	5-9	141,292	72,101	69,191
10-14	159,912	81,444	78,468	10-14	159,665	80,994	78,671
15-19	178,062	90,897	87,165	15-19	151,412	77,362	74,050
20-24	189,043	96,881	92,162	20-24	159,594	82,204	77,390
25-29	174,948	88,519	86,430	25-29	164,827	83,485	81,342
30-34	163,626	80,058	83,568	30-34	160,966	79,845	81,121
35-39	180,716	90,453	90,263	35-39	160,678	78,542	82,136
40-44	176,033	90,170	85,863	40-44	179,558	90,440	89,119
45-49	179,696	91,147	88,548	45-49	177,238	91,012	86,225
50-54	179,059	91,457	87,602	50-54	184,904	93,843	91,061
55-59	169,222	85,945	83,277	55-59	183,430	93,614	89,816
60-64	148,792	73,568	75,224	60-64	167,146	84,446	82,700
65-69	106,865	52,724	54,141	65-69	139,085	68,020	71,065
70-74	76,595	34,281	42,315	70-74	92,932	45,077	47,855
75-79	55,988	24,207	31,781	75-79	58,709	25,750	32,959
80+	52,155	20,339	31,817	80+	54,265	21,126	33,139
TOTAL	2,504,796	1,252,567	1,252,229	TOTAL	2,455,529	1,229,168	1,226,360

Table C.10.a Summary table for annual results of the population projection of TRA-Northeast Anatolia region

TRA-Northeast Anatolia	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	2.51	2.50	2.50	2.49	2.48	2.47	2.47	2.46	2.45	2.44	2.44	2.43	2.42	2.41	2.41	2.40
GRR	1.22	1.22	1.22	1.21	1.21	1.20	1.20	1.20	1.20	1.19	1.19	1.19	1.18	1.18	1.18	1.17
NRR	1.15	1.15	1.15	1.15	1.14	1.14	1.14	1.14	1.13	1.13	1.13	1.13	1.12	1.12	1.12	1.12
Mean A. Childb. Childbearing	29.1	29.0	29.0	29.0	28.9	28.9	28.9	28.8	28.8	28.8	28.8	28.7	28.7	28.7	28.6	28.6
Child-woman ratio	0.46	0.44	0.42	0.39	0.37	0.35	0.34	0.33	0.33	0.32	0.32	0.31	0.31	0.31	0.30	0.30
Fertility table: Custom																
Mortality																
Male LE	68.1	68.2	68.3	68.4	68.5	68.6	68.7	68.8	68.9	69.0	69.1	69.2	69.3	69.4	69.5	69.6
Female LE	71.5	71.5	71.6	71.7	71.8	71.9	72.0	72.1	72.2	72.3	72.4	72.5	72.6	72.7	72.8	72.9
Total LE	69.7	69.8	69.9	70.0	70.1	70.2	70.3	70.4	70.5	70.6	70.7	70.8	70.9	71.0	71.1	71.2
IMR	36.7	36.2	35.8	35.3	34.9	34.4	34.0	33.5	33.1	32.6	32.2	31.7	31.3	30.8	30.4	30.0
U5MR	42.4	41.8	41.2	40.7	40.1	39.6	39.0	38.5	37.9	37.4	36.8	36.3	35.7	35.2	34.6	34.1
Life table: Coale-Demeny East																
Immigration																
Male immigration	-28,970	-28,970	-28,970	-28,970	-28,970	-28,970	-28,970	-28,970	-28,970	-28,970	-28,970	-28,970	-28,970	-28,970	-28,970	-28,970
Female immigration	-29,298	-29,298	-29,298	-29,298	-29,298	-29,298	-29,298	-29,298	-29,298	-29,298	-29,298	-29,298	-29,298	-29,298	-29,298	-29,298
Total immigration	-58,268	-58,268	-58,268	-58,268	-58,268	-58,268	-58,268	-58,268	-58,268	-58,268	-58,268	-58,268	-58,268	-58,268	-58,268	-58,268
Vital Rates																
CBR per 1000	19.0	18.8	18.6	18.4	18.1	17.9	17.6	17.3	17.0	16.7	16.5	16.2	16.0	15.7	15.6	15.4
CDR per 1000	7.2	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.1	8.3	8.5	8.7	9.0	9.3	9.7
RNI percent	1.18	1.16	1.13	1.10	1.07	1.03	1.00	0.96	0.91	0.87	0.82	0.77	0.72	0.67	0.62	0.57
GR percent	-1.46	-1.53	-1.60	-1.68	-1.76	-1.85	-1.94	-2.04	-2.15	-2.27	-2.39	-2.52	-2.66	-2.81	-2.96	-3.12
Doubling time	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Annual Births&Deaths																
Births	41,808	40,736	39,769	38,589	37,366	36,108	34,966	33,663	32,362	31,080	29,950	28,710	27,517	26,371	25,367	24,274
Deaths	15,770	15,652	15,607	15,521	15,406	15,285	15,190	15,097	15,026	14,991	14,991	15,021	15,072	15,138	15,214	15,290
Population																
Total population	2,201,863	2,168,111	2,133,437	2,097,671	2,060,796	2,022,786	1,983,731	1,943,467	1,901,973	1,859,233	1,815,365	1,770,227	1,723,846	1,676,255	1,627,585	1,577,745
Male population	1,131,800	1,115,266	1,098,251	1,080,665	1,062,502	1,043,748	1,024,453	1,004,535	983,984	962,798	941,039	918,638	895,610	871,969	847,778	822,987
Female population	1,070,063	1,052,845	1,035,186	1,017,005	998,294	979,039	959,278	938,932	917,989	896,435	874,326	851,589	828,237	804,287	779,807	754,758
Percent 0-4	11.08	10.58	10.08	9.55	9.01	8.44	8.33	8.20	8.07	7.93	7.80	7.66	7.53	7.40	7.29	7.18
Percent 5-14	22.61	22.43	22.20	21.92	21.62	21.33	20.57	19.82	19.07	18.31	17.54	16.87	16.15	15.40	14.59	13.74
Percent 15-49	51.04	51.26	51.52	51.82	52.13	52.43	52.70	52.94	53.14	53.28	53.36	53.26	53.11	52.91	52.70	52.49
Percent 15-64	60.36	60.89	61.47	62.09	62.75	63.41	64.07	64.72	65.36	65.97	66.54	66.98	67.41	67.83	68.25	68.68
Percent 65 and over	5.95	6.09	6.25	6.43	6.62	6.82	7.03	7.26	7.51	7.79	8.11	8.49	8.91	9.37	9.87	10.40
Percent females 15-49	49.52	49.65	49.81	50.01	50.23	50.45	50.65	50.83	50.97	51.05	51.06	50.87	50.63	50.33	50.01	49.69
Sex ratio	105.77	105.93	106.09	106.26	106.43	106.61	106.79	106.99	107.19	107.40	107.63	107.87	108.13	108.42	108.72	109.04
Dependency ratio	0.66	0.64	0.63	0.61	0.59	0.58	0.56	0.55	0.53	0.52	0.50	0.49	0.48	0.47	0.47	0.46
Median age	23	24	24	25	25	26	26	27	27	28	29	29	30	31	32	33
Urban population	890,990	892,611	893,270	893,398	892,325	890,431	887,323	883,306	877,951	871,609	863,932	855,020	844,685	833,099	820,303	806,228
Rural population	1,310,873	1,275,500	1,240,167	1,204,273	1,168,471	1,132,356	1,096,408	1,060,161	1,024,022	987,625	951,433	915,207	879,162	843,156	807,282	771,517
Percent urban	40.47	41.17	41.87	42.59	43.30	44.02	44.73	45.45	46.16	46.88	47.59	48.30	49.00	49.70	50.40	51.10
Percent rural	59.53	58.83	58.13	57.41	56.70	55.98	55.27	54.55	53.84	53.12	52.41	51.70	51.00	50.30	49.60	48.90

Table C.10.b Age groups and sex distribution for every five years from the population projection of TRA-Northeast Anatolia region

Population by Age and Sex - Total							
TRA-Northeast Anatolia							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	244,057	125,401	118,656	0-4	170,669	87,005	83,663
5-9	252,267	129,167	123,100	5-9	212,108	108,461	103,647
10-14	245,501	126,140	119,361	10-14	219,288	111,471	107,818
15-19	217,867	112,823	105,044	15-19	215,582	110,665	104,917
20-24	225,833	129,462	96,371	20-24	174,052	94,065	79,987
25-29	190,732	98,600	92,132	25-29	173,339	105,539	67,800
30-34	150,017	78,493	71,524	30-34	152,601	78,084	74,518
35-39	134,735	69,783	64,952	35-39	127,318	65,821	61,497
40-44	109,466	56,689	52,777	40-44	119,271	61,472	57,799
45-49	95,124	48,025	47,099	45-49	98,363	51,002	47,361
50-54	82,633	40,589	42,044	50-54	86,216	43,474	42,742
55-59	65,087	30,845	34,242	55-59	76,192	37,097	39,095
60-64	57,599	26,727	30,872	60-64	59,760	27,965	31,794
65-69	45,708	20,284	25,424	65-69	51,245	23,525	27,720
70-74	32,101	15,355	16,746	70-74	38,067	16,478	21,589
75-79	31,874	15,031	16,843	75-79	23,300	10,787	12,514
80+	21,262	8,386	12,876	80+	25,416	10,838	14,579
TOTAL	2,201,863	1,131,800	1,070,063	TOTAL	2,022,786	1,043,748	979,039
2018	Total	Male	Female	2023	Total	Male	Female
0-4	141,638	72,165	69,473	0-4	113,203	57,625	55,578
5-9	139,172	70,304	68,868	5-9	110,339	55,567	54,772
10-14	179,248	90,832	88,416	10-14	106,476	52,770	53,707
15-19	189,486	96,069	93,416	15-19	149,591	75,520	74,071
20-24	171,840	91,956	79,884	20-24	145,909	77,470	68,439
25-29	121,938	70,427	51,511	25-29	119,794	68,366	51,428
30-34	135,347	85,010	50,337	30-34	84,320	50,174	34,147
35-39	129,952	65,452	64,499	35-39	112,851	72,357	40,494
40-44	112,006	57,597	54,410	40-44	114,688	57,274	57,414
45-49	108,085	55,738	52,347	45-49	101,016	51,978	49,038
50-54	89,451	46,411	43,040	50-54	99,015	51,051	47,964
55-59	79,696	39,879	39,816	55-59	82,890	42,730	40,159
60-64	70,223	33,760	36,463	60-64	73,585	36,375	37,210
65-69	53,328	24,676	28,652	65-69	62,843	29,828	33,016
70-74	42,756	19,146	23,609	70-74	44,679	20,159	24,520
75-79	27,912	11,676	16,236	75-79	31,428	13,605	17,823
80+	23,289	9,938	13,351	80+	25,116	10,140	14,976
TOTAL	1,815,365	941,039	874,326	TOTAL	1,577,745	822,987	754,758

Table C.11.a Summary table for annual results of the population projection of TRB-Central East Anatolia region

TRB-Central East Anatolia	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	3.25	3.19	3.14	3.08	3.02	2.97	2.91	2.85	2.8	2.74	2.68	2.63	2.57	2.51	2.46	2.4
GRR	1.59	1.56	1.53	1.5	1.47	1.45	1.42	1.39	1.37	1.34	1.31	1.28	1.25	1.22	1.2	1.17
NRR	1.46	1.43	1.41	1.38	1.36	1.34	1.31	1.29	1.26	1.24	1.21	1.19	1.17	1.14	1.12	1.09
Mean A. Childb. Childbearing	29.1	29	29	29	28.9	28.9	28.9	28.8	28.8	28.8	28.8	28.7	28.7	28.7	28.6	28.6
Child-woman ratio	0.49	0.48	0.47	0.46	0.45	0.44	0.43	0.42	0.41	0.4	0.39	0.38	0.38	0.37	0.36	0.35
Fertility table: Custom																
Mortality																
Male LE	65.3	65.5	65.6	65.6	65.7	65.8	65.9	66	66	66.1	66.2	66.3	66.4	66.5	66.6	66.6
Female LE	68.5	68.5	68.6	68.7	68.8	68.9	69	69	69.1	69.2	69.3	69.4	69.5	69.6	69.7	69.8
Total LE	66.8	66.9	67	67.1	67.2	67.3	67.4	67.5	67.6	67.6	67.7	67.8	67.9	68	68.1	68.2
IMR	50.2	49.7	49.2	48.8	48.4	48	47.5	47.1	46.7	46.3	45.8	45.4	45	44.5	44.1	43.7
U5MR	59.5	58.8	58.3	57.7	57.2	56.6	56	55.5	54.9	54.4	53.8	53.3	52.7	52.1	51.6	51
Life table: Coale-Demeny East																
Immigration																
Male immigration	-19,736	-19,736	-19,736	-19,736	-19,736	-19,736	-19,736	-19,736	-19,736	-19,736	-19,736	-19,736	-19,736	-19,736	-19,736	-19,736
Female immigration	-19,877	-19,877	-19,877	-19,877	-19,877	-19,877	-19,877	-19,877	-19,877	-19,877	-19,877	-19,877	-19,877	-19,877	-19,877	-19,877
Total immigration	-39,613	-39,613	-39,613	-39,613	-39,613	-39,613	-39,613	-39,613	-39,613	-39,613	-39,613	-39,613	-39,613	-39,613	-39,613	-39,613
Vital Rates																
CBR per 1000	25.3	24.9	24.5	24.1	23.6	23.2	22.8	22.3	21.9	21.4	21	20.6	20.1	19.7	19.3	18.8
CDR per 1000	7.6	7.5	7.5	7.5	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.5	7.5	7.6	7.7	7.8
RNI percent	1.76	1.73	1.7	1.66	1.62	1.58	1.54	1.49	1.45	1.4	1.35	1.31	1.26	1.21	1.16	1.1
GR percent	0.67	0.64	0.62	0.59	0.55	0.52	0.48	0.44	0.4	0.36	0.31	0.27	0.22	0.17	0.12	0.07
Doubling time	103.9	107.9	112.3	118.8	126.4	133.60	144.70	158.50	172.50	194.20	223.2	256.80	314.60	409.80	560.90	1,016.10
Annual Births&Deaths																
Births	91,424	90,485	89,779	88,709	87,539	86,563	85,214	83,801	82,640	81,151	79,630	78,369	76,778	75,144	73,751	71,984
Deaths	27,588	27,415	27,494	27,530	27,551	27,588	27,642	27,718	27,842	28,002	28,207	28,466	28,751	29,064	29,408	29,759
Population																
Total population	3,618,055	3,641,133	3,663,427	3,684,615	3,704,613	3,723,599	3,741,182	3,757,277	3,772,087	3,785,249	3,796,686	3,806,603	3,814,644	3,820,739	3,825,098	3,827,339
Male population	1,849,559	1,861,917	1,873,808	1,885,075	1,895,685	1,905,737	1,915,039	1,923,555	1,931,394	1,938,374	1,944,461	1,949,761	1,954,093	1,957,424	1,959,859	1,961,203
Female population	1,768,496	1,779,216	1,789,619	1,799,540	1,808,929	1,817,862	1,826,143	1,833,722	1,840,693	1,846,874	1,852,225	1,856,842	1,860,550	1,863,315	1,865,239	1,866,136
Percent 0-4	11.97	11.77	11.58	11.39	11.2	11	10.82	10.63	10.44	10.25	10.05	9.86	9.67	9.47	9.28	9.09
Percent 5-14	23.37	23.08	22.74	22.38	22.02	21.67	21.31	20.98	20.66	20.34	20.04	19.75	19.46	19.17	18.87	18.56
Percent 15-49	51.47	51.73	52.01	52.29	52.57	52.83	53.06	53.27	53.44	53.58	53.7	53.76	53.79	53.82	53.84	53.86
Percent 15-64	59.8	60.29	60.81	61.35	61.88	62.38	62.85	63.3	63.71	64.1	64.47	64.8	65.12	65.43	65.73	66.03
Percent 65 and over	4.86	4.86	4.86	4.88	4.91	4.95	5.02	5.1	5.19	5.3	5.44	5.59	5.75	5.93	6.12	6.32
Percent females 15-49	50.4	50.64	50.89	51.15	51.4	51.64	51.87	52.08	52.27	52.41	52.52	52.57	52.59	52.58	52.58	52.58
Sex ratio	104.58	104.65	104.7	104.75	104.8	104.83	104.87	104.9	104.93	104.95	104.98	105	105.03	105.05	105.07	105.09
Dependency ratio	0.67	0.66	0.64	0.63	0.62	0.6	0.59	0.58	0.57	0.56	0.55	0.54	0.54	0.53	0.52	0.51
Median age	22	22	23	23	23	24	24	24	25	25	25	26	26	27	27	27
Urban population	1,585,411	1,624,309	1,663,562	1,702,292	1,740,427	1,778,763	1,816,718	1,854,216	1,891,325	1,927,449	1,963,266	1,998,086	2,032,442	2,065,492	2,097,684	2,128,766
Rural population	2,032,644	2,016,823	1,999,865	1,982,323	1,964,186	1,944,836	1,924,464	1,903,061	1,880,763	1,857,800	1,833,419	1,808,517	1,782,201	1,755,248	1,727,414	1,698,573
Percent urban	43.82	44.61	45.41	46.2	46.98	47.77	48.56	49.35	50.14	50.92	51.71	52.49	53.28	54.06	54.84	55.62
Percent rural	56.18	55.39	54.59	53.8	53.02	52.23	51.44	50.65	49.86	49.08	48.29	47.51	46.72	45.94	45.16	44.38

Table C.11.b Age groups and sex distribution for every five years from the population projection of TRB-Central East Anatolia region

Population by Age and Sex - Total TRB-Central East Anatolia							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	433,025	222,547	210,478	0-4	409,685	209,352	200,333
5-9	428,735	219,505	209,230	5-9	405,525	208,241	197,284
10-14	416,968	214,375	202,593	10-14	401,216	205,095	196,120
15-19	377,725	194,125	183,600	15-19	389,556	199,486	190,070
20-24	366,870	206,312	160,558	20-24	347,216	179,029	168,187
25-29	319,850	162,214	157,636	25-29	334,853	191,923	142,930
30-34	249,056	127,302	121,754	30-34	290,597	148,252	142,344
35-39	217,589	111,042	106,547	35-39	230,339	117,373	112,965
40-44	178,871	92,581	86,290	40-44	204,984	104,468	100,517
45-49	152,321	77,322	74,999	45-49	169,655	87,854	81,801
50-54	127,066	62,477	64,589	50-54	144,193	72,564	71,629
55-59	97,956	46,099	51,857	55-59	119,978	58,275	61,703
60-64	76,194	34,545	41,649	60-64	91,349	42,128	49,221
65-69	61,800	28,538	33,262	65-69	68,547	30,369	38,178
70-74	44,910	21,337	23,573	70-74	51,422	23,232	28,189
75-79	38,912	18,621	20,291	75-79	32,195	14,843	17,352
80+	30,207	10,617	19,590	80+	32,290	13,252	19,038
TOTAL	3,618,055	1,849,559	1,768,496	TOTAL	3,723,599	1,905,737	1,817,862
2018	Total	Male	Female	2023	Total	Male	Female
0-4	381,586	194,970	186,616	0-4	347,853	177,707	170,146
5-9	382,631	195,253	187,377	5-9	354,985	181,075	173,911
10-14	378,154	193,902	184,252	10-14	355,399	180,987	174,412
15-19	373,947	190,287	183,660	15-19	351,054	179,183	171,871
20-24	359,088	184,409	174,679	20-24	343,685	175,331	168,354
25-29	315,530	164,958	150,572	25-29	327,441	170,354	157,087
30-34	305,542	177,733	127,809	30-34	286,543	151,087	135,456
35-39	271,559	138,144	133,415	35-39	286,432	167,363	119,069
40-44	217,674	110,766	106,909	40-44	258,467	131,302	127,165
45-49	195,352	99,527	95,825	45-49	207,929	105,764	102,164
50-54	161,082	82,775	78,307	50-54	186,126	94,096	92,030
55-59	136,347	67,823	68,523	55-59	152,540	77,524	75,016
60-64	111,786	53,252	58,534	60-64	127,037	62,018	65,019
65-69	82,075	36,999	45,076	65-69	100,248	46,691	53,558
70-74	57,125	24,767	32,358	70-74	68,357	30,139	38,218
75-79	37,004	16,228	20,776	75-79	41,240	17,365	23,875
80+	30,203	12,668	17,535	80+	32,004	13,218	18,787
TOTAL	3,796,686	1,944,461	1,852,225	TOTAL	3,827,339	1,961,203	1,866,136

Table C.12.a Summary table for annual results of the population projection of TRC-Southeast Anatolia region

TRC-Southeast Anatolia	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	3.39	3.32	3.26	3.19	3.13	3.06	2.99	2.93	2.86	2.80	2.73	2.66	2.60	2.53	2.47	2.40
GRR	1.65	1.62	1.59	1.56	1.53	1.49	1.46	1.43	1.40	1.37	1.33	1.30	1.27	1.23	1.20	1.17
NRR	1.57	1.54	1.51	1.48	1.46	1.43	1.39	1.37	1.34	1.31	1.28	1.25	1.22	1.19	1.16	1.13
Mean A. Childb. Childbearing	29.4	29.3	29.3	29.2	29.2	29.1	29.1	29.0	29.0	28.9	28.9	28.8	28.8	28.7	28.7	28.6
Child-woman ratio	0.57	0.54	0.52	0.50	0.48	0.46	0.45	0.44	0.43	0.42	0.41	0.40	0.39	0.39	0.38	0.37
Fertility table: Custom																
Mortality																
Male LE	69.2	69.4	69.5	69.6	69.7	69.8	69.9	70.0	70.2	70.3	70.4	70.5	70.6	70.7	70.8	70.9
Female LE	72.6	72.6	72.7	72.9	73.0	73.1	73.2	73.3	73.4	73.6	73.7	73.8	73.9	74.0	74.2	74.3
Total LE	70.9	71.0	71.1	71.2	71.3	71.4	71.5	71.7	71.8	71.9	72.0	72.1	72.2	72.3	72.4	72.6
IMR	31.7	31.2	30.7	30.2	29.7	29.3	28.8	28.3	27.8	27.3	26.9	26.5	26.0	25.6	25.2	24.8
U5MR	36.2	35.6	35.0	34.4	33.8	33.2	32.7	32.0	31.4	30.8	30.3	29.8	29.3	28.8	28.3	27.8
Life table: Coale-Demeny East																
Immigration																
Male immigration	-27,350	-27,350	-27,350	-27,350	-27,350	-27,350	-27,350	-27,350	-27,350	-27,350	-27,350	-27,350	-27,350	-27,350	-27,350	-27,350
Female immigration	-28,433	-28,433	-28,433	-28,433	-28,433	-28,433	-28,433	-28,433	-28,433	-28,433	-28,433	-28,433	-28,433	-28,433	-28,433	-28,433
Total immigration	-55,783	-55,783	-55,783	-55,783	-55,783	-55,783	-55,783	-55,783	-55,783	-55,783	-55,783	-55,783	-55,783	-55,783	-55,783	-55,783
Vital Rates																
CBR per 1000	26.3	26.0	25.7	25.3	25.0	24.6	24.2	23.8	23.4	23.0	22.6	22.1	21.7	21.2	20.8	20.3
CDR per 1000	5.2	5.1	5.0	5.0	5.0	4.9	4.9	4.9	4.9	4.9	4.9	4.9	5.0	5.0	5.0	5.1
RNI percent	2.12	2.09	2.07	2.03	2.01	1.97	1.93	1.89	1.85	1.81	1.76	1.72	1.68	1.62	1.58	1.52
GR percent	1.36	1.35	1.33	1.31	1.29	1.26	1.22	1.20	1.16	1.13	1.09	1.05	1.02	0.97	0.93	0.89
Doubling time	51.3	51.8	52.4	53.5	54.3	55.6	57.0	58.2	60.0	61.5	63.7	66.2	68.4	71.5	74.5	78.7
Annual Births&Deaths																
Births	193,664	193,725	194,191	193,846	193,876	193,067	192,045	191,477	190,090	189,214	187,501	185,652	184,295	181,995	180,137	177,256
Deaths	37,946	37,652	37,958	38,238	38,504	38,775	39,088	39,420	39,806	40,259	40,788	41,387	42,040	42,735	43,476	44,227
Population																
Total population	7,350,753	7,450,367	7,550,142	7,649,293	7,748,209	7,846,046	7,942,549	8,038,152	8,131,984	8,224,489	8,314,751	8,402,567	8,488,374	8,571,186	8,651,401	8,727,984
Male population	3,713,429	3,765,812	3,818,179	3,870,153	3,921,936	3,973,112	4,023,551	4,073,481	4,122,469	4,170,736	4,217,816	4,263,604	4,308,318	4,351,462	4,393,224	4,433,089
Female population	3,637,324	3,684,555	3,731,963	3,779,140	3,826,273	3,872,934	3,918,998	3,964,671	4,009,516	4,053,753	4,096,935	4,138,963	4,180,055	4,219,724	4,258,177	4,294,895
Percent 0-4	13.86	13.37	12.92	12.50	12.10	11.73	11.57	11.40	11.23	11.06	10.88	10.70	10.51	10.32	10.13	9.93
Percent 5-14	25.38	25.20	24.96	24.69	24.39	24.09	23.58	23.10	22.63	22.18	21.72	21.22	20.74	20.28	19.84	19.40
Percent 15-49	49.89	50.40	50.91	51.41	51.89	52.34	52.76	53.15	53.51	53.84	54.15	54.49	54.79	55.05	55.29	55.51
Percent 15-64	56.85	57.51	58.18	58.86	59.52	60.16	60.77	61.35	61.91	62.46	63.02	63.62	64.21	64.77	65.31	65.83
Percent 65 and over	3.91	3.92	3.93	3.95	3.98	4.02	4.08	4.15	4.22	4.30	4.38	4.46	4.54	4.63	4.73	4.84
Percent females 15-49	49.53	50.01	50.48	50.94	51.39	51.81	52.22	52.61	52.97	53.30	53.61	53.93	54.20	54.44	54.66	54.85
Sex ratio	102.09	102.21	102.31	102.41	102.50	102.59	102.67	102.74	102.82	102.89	102.95	103.01	103.07	103.12	103.17	103.22
Dependency ratio	0.76	0.74	0.72	0.70	0.68	0.66	0.65	0.63	0.62	0.60	0.59	0.57	0.56	0.54	0.53	0.52
Median age	20	20	21	21	21	22	22	22	22	23	23	24	24	25	25	26
Urban population	4,660,849	4,786,116	4,913,633	5,041,649	5,171,155	5,302,358	5,433,497	5,565,617	5,698,082	5,831,163	5,965,003	6,080,938	6,196,513	6,310,964	6,425,396	6,537,260
Rural population	2,689,904	2,664,251	2,636,510	2,607,644	2,577,054	2,543,688	2,509,051	2,472,536	2,433,903	2,393,326	2,349,749	2,321,629	2,291,861	2,260,222	2,226,006	2,190,724
Percent urban	63.41	64.24	65.08	65.91	66.74	67.58	68.41	69.24	70.07	70.90	71.74	72.37	73.00	73.63	74.27	74.90
Percent rural	36.59	35.76	34.92	34.09	33.26	32.42	31.59	30.76	29.93	29.10	28.26	27.63	27.00	26.37	25.73	25.10

Table C.12.b Age groups and sex distribution for every five years from the population projection of TRC-Southeast Anatolia region

Population by Age and Sex - Total TRC-Southeast Anatolia							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	1,018,819	523,240	495,579	0-4	919,976	470,670	449,306
5-9	961,843	492,370	469,473	5-9	975,636	500,761	474,874
10-14	903,732	463,866	439,866	10-14	914,629	467,664	446,966
15-19	791,648	405,536	386,112	15-19	857,670	439,202	418,468
20-24	687,462	355,680	331,782	20-24	759,488	389,677	369,811
25-29	638,950	317,939	321,011	25-29	666,895	348,460	318,435
30-34	513,358	258,561	254,797	30-34	608,881	305,460	303,421
35-39	427,176	217,816	209,360	35-39	484,607	244,574	240,032
40-44	338,760	174,889	163,871	40-44	405,815	206,292	199,523
45-49	269,780	135,249	134,531	45-49	323,327	166,280	157,047
50-54	206,383	102,478	103,905	50-54	257,373	127,980	129,393
55-59	172,485	81,187	91,298	55-59	195,378	95,833	99,545
60-64	133,089	59,858	73,231	60-64	160,833	74,388	86,445
65-69	106,101	48,194	57,907	65-69	119,795	52,605	67,191
70-74	74,099	33,244	40,855	70-74	88,915	39,249	49,666
75-79	61,283	27,806	33,477	75-79	54,383	23,503	30,880
80+	45,785	15,516	30,269	80+	52,445	20,514	31,931
TOTAL	7,350,753	3,713,429	3,637,324	TOTAL	7,846,046	3,973,112	3,872,934
2018	Total	Male	Female	2023	Total	Male	Female
0-4	904,625	462,896	441,729	0-4	866,895	443,527	423,368
5-9	877,643	448,648	428,995	5-9	862,763	441,100	421,663
10-14	928,565	476,131	452,434	10-14	830,865	424,176	406,689
15-19	868,724	443,089	425,635	15-19	882,798	451,623	431,175
20-24	825,503	423,321	402,182	20-24	836,762	427,323	409,439
25-29	738,860	382,412	356,448	25-29	804,862	416,019	388,843
30-34	636,917	335,937	300,979	30-34	708,807	369,833	338,974
35-39	579,772	291,270	288,502	35-39	607,895	321,681	286,213
40-44	463,003	232,928	230,075	40-44	557,652	279,330	278,322
45-49	389,705	197,318	192,387	45-49	446,458	223,721	222,737
50-54	309,888	158,275	151,612	50-54	375,115	188,647	186,468
55-59	244,691	120,252	124,439	55-59	295,537	149,320	146,217
60-64	182,552	88,057	94,495	60-64	229,341	110,853	118,487
65-69	145,117	65,564	79,553	65-69	165,117	77,864	87,253
70-74	100,903	43,017	57,886	70-74	122,667	53,848	68,819
75-79	65,721	27,928	37,793	75-79	75,145	30,829	44,316
80+	52,562	20,773	31,790	80+	59,306	23,394	35,911
TOTAL	8,314,751	4,217,816	4,096,935	TOTAL	8,727,984	4,433,089	4,294,895

APPENDIX D

SUMMARY TABLES AND AGE-SEX DISTRIBUTIONS OF

PROJECTION RESULTS FOR

81 PROVINCES

Table D.1.b Age groups and sex distribution for every five years from the population projection of 01-Adana province

Population by Age and Sex - Total							
01-Adana							
	Total	Male	Female		Total	Male	Female
2008				2013			
0-4	183,921	94,464	89,457	0-4	190,218	97,337	92,881
5-9	187,560	96,069	91,491	5-9	182,816	94,063	88,753
10-14	195,554	100,309	95,245	10-14	185,234	94,892	90,342
15-19	188,727	96,212	92,515	15-19	186,928	95,717	91,211
20-24	169,527	80,811	88,716	20-24	175,846	89,062	86,784
25-29	182,004	91,381	90,623	25-29	156,248	73,231	83,018
30-34	162,899	81,070	81,829	30-34	173,103	86,427	86,677
35-39	149,590	73,970	75,620	35-39	158,963	79,214	79,748
40-44	134,492	67,348	67,144	40-44	144,115	71,475	72,640
45-49	122,404	60,971	61,433	45-49	127,850	64,050	63,801
50-54	103,569	52,140	51,429	50-54	115,655	57,633	58,022
55-59	81,334	40,722	40,612	55-59	96,328	48,148	48,179
60-64	56,640	26,981	29,659	60-64	73,793	36,400	37,394
65-69	40,661	18,598	22,063	65-69	49,513	23,202	26,311
70-74	28,289	12,508	15,781	70-74	33,097	14,816	18,282
75-79	22,766	9,854	12,912	75-79	20,164	8,609	11,556
80+	16,383	5,593	10,790	80+	18,795	7,091	11,705
TOTAL	2,026,320	1,009,001	1,017,319	TOTAL	2,088,667	1,041,365	1,047,302
2018				2023			
0-4	175,563	89,858	85,705	0-4	160,482	82,157	78,325
5-9	189,209	96,993	92,217	5-9	174,733	89,610	85,124
10-14	180,546	92,916	87,630	10-14	186,971	95,864	91,107
15-19	176,696	90,350	86,346	15-19	172,076	88,410	83,666
20-24	174,136	88,613	85,523	20-24	164,027	83,315	80,712
25-29	162,620	81,477	81,143	25-29	161,014	81,081	79,933
30-34	147,624	68,450	79,174	30-34	154,056	76,696	77,360
35-39	169,202	84,588	84,614	35-39	144,029	66,804	77,225
40-44	153,522	76,734	76,788	40-44	163,793	82,123	81,670
45-49	137,466	68,188	69,278	45-49	146,888	73,449	73,438
50-54	121,128	60,718	60,410	50-54	130,692	64,847	65,846
55-59	108,095	53,480	54,616	55-59	113,555	56,537	57,018
60-64	87,983	43,355	44,628	60-64	99,231	48,408	50,823
65-69	65,026	31,585	33,441	65-69	77,992	37,839	40,153
70-74	40,656	18,662	21,994	70-74	53,819	25,622	28,197
75-79	23,872	10,337	13,535	75-79	29,649	13,195	16,454
80+	18,720	7,167	11,554	80+	20,851	8,136	12,714
TOTAL	2,132,063	1,063,468	1,068,596	TOTAL	2,153,856	1,074,091	1,079,764

Table D.2.a Summary table for annual results of the population projection of 02-Adiyaman province

02-Adiyaman	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	2.84	2.77	2.71	2.65	2.59	2.52	2.46	2.40	2.34	2.27	2.21	2.15	2.09	2.02	1.96	1.90
GRR	1.39	1.35	1.32	1.29	1.26	1.23	1.20	1.17	1.14	1.11	1.08	1.05	1.02	0.99	0.96	0.93
NRR	1.32	1.29	1.26	1.23	1.21	1.17	1.15	1.12	1.09	1.06	1.03	1.01	0.98	0.95	0.92	0.89
Mean A. Childb.	29.4	29.3	29.3	29.2	29.2	29.1	29.1	29.0	29.0	28.9	28.9	28.8	28.8	28.7	28.7	28.6
Child-woman ratio	0.44	0.43	0.42	0.41	0.40	0.39	0.38	0.37	0.36	0.35	0.34	0.33	0.32	0.31	0.29	0.28
Fertility table: Custom																
Mortality																
Male LE	69.2	69.4	69.5	69.6	69.7	69.8	69.9	70.0	70.2	70.3	70.4	70.5	70.6	70.7	70.8	70.9
Female LE	72.6	72.6	72.7	72.9	73.0	73.1	73.2	73.3	73.4	73.6	73.7	73.8	73.9	74.0	74.2	74.3
Total LE	70.9	71.0	71.1	71.2	71.3	71.5	71.6	71.7	71.8	71.9	72.0	72.1	72.3	72.4	72.5	72.6
IMR	31.7	31.2	30.7	30.2	29.7	29.3	28.8	28.3	27.8	27.3	26.9	26.5	26.0	25.6	25.2	24.8
U5MR	36.2	35.6	35.0	34.4	33.8	33.2	32.7	32.0	31.4	30.8	30.3	29.8	29.3	28.8	28.3	27.8
Life table: Coale-Demeny East																
Immigration																
Male immigration	-4,467	-4,467	-4,467	-4,467	-4,467	-4,467	-4,467	-4,467	-4,467	-4,467	-4,467	-4,467	-4,467	-4,467	-4,467	-4,467
Female immigration	-4,349	-4,349	-4,349	-4,349	-4,349	-4,349	-4,349	-4,349	-4,349	-4,349	-4,349	-4,349	-4,349	-4,349	-4,349	-4,349
Total immigration	-8,816	-8,816	-8,816	-8,816	-8,816	-8,816	-8,816	-8,816	-8,816	-8,816	-8,816	-8,816	-8,816	-8,816	-8,816	-8,816
Vital Rates																
CBR per 1000	23.2	22.7	22.2	21.7	21.2	20.6	20.0	19.4	18.9	18.2	17.6	17.0	16.5	15.8	15.2	14.6
CDR per 1000	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.6	6.7	6.8	6.9	7.0	7.1
RNI percent	1.67	1.62	1.57	1.52	1.47	1.41	1.36	1.30	1.24	1.17	1.10	1.04	0.97	0.89	0.82	0.75
GR percent	0.16	0.12	0.07	0.02	-0.03	-0.09	-0.15	-0.21	-0.28	-0.35	-0.43	-0.50	-0.58	-0.67	-0.75	-0.84
Doubling time	425.9	595.0	1005.8	3486.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Annual Births&Deaths																
Births	13,588	13,284	13,012	12,723	12,414	12,036	11,692	11,337	10,972	10,549	10,163	9,775	9,382	8,941	8,542	8,141
Deaths	3,819	3,785	3,793	3,791	3,783	3,775	3,773	3,772	3,777	3,786	3,806	3,832	3,862	3,898	3,938	3,982
Population																
Total population	585,066	585,680	586,015	586,063	585,809	585,186	584,221	582,902	581,213	579,092	576,566	573,626	570,262	566,422	562,142	557,418
Male population	291,661	292,033	292,248	292,308	292,209	291,921	291,456	290,813	289,984	288,937	287,685	286,225	284,550	282,634	280,495	278,132
Female population	293,405	293,647	293,767	293,755	293,600	293,266	292,764	292,089	291,229	290,155	288,880	287,401	285,712	283,788	281,648	279,286
Percent 0-4	11.32	11.14	10.95	10.73	10.48	10.21	9.96	9.71	9.46	9.18	8.91	8.64	8.36	8.07	7.79	7.51
Percent 5-14	22.29	21.94	21.58	21.25	20.95	20.71	20.47	20.27	20.09	19.92	19.73	19.40	19.04	18.66	18.23	17.76
Percent 15-49	51.87	52.15	52.41	52.66	52.87	53.03	53.14	53.18	53.19	53.16	53.10	53.13	53.14	53.15	53.17	53.20
Percent 15-64	60.87	61.35	61.85	62.34	62.79	63.18	63.52	63.80	64.04	64.29	64.56	64.96	65.40	65.87	66.36	66.87
Percent 65 and over	5.52	5.57	5.62	5.69	5.78	5.90	6.05	6.22	6.41	6.61	6.80	7.00	7.19	7.40	7.62	7.86
Percent females 15-49	51.79	52.03	52.27	52.48	52.66	52.81	52.91	52.96	52.98	52.95	52.89	52.89	52.85	52.79	52.73	52.68
Sex ratio	99.41	99.45	99.48	99.51	99.53	99.54	99.55	99.56	99.57	99.58	99.59	99.59	99.59	99.59	99.59	99.59
Dependency ratio	0.64	0.63	0.62	0.60	0.59	0.58	0.57	0.57	0.56	0.56	0.55	0.54	0.53	0.52	0.51	0.50
Median age	23	23	23	24	24	24	25	25	26	26	26	27	27	28	29	29
Urban population	305,084	310,000	314,690	319,287	323,660	327,880	331,896	335,635	339,196	342,417	345,421	348,133	350,483	352,541	354,262	355,577
Rural population	279,982	275,680	271,325	266,776	262,150	257,306	252,325	247,267	242,017	236,675	231,145	225,492	219,779	213,881	207,880	201,841
Percent urban	52.15	52.93	53.70	54.48	55.25	56.03	56.81	57.58	58.36	59.13	59.91	60.69	61.46	62.24	63.02	63.79
Percent rural	47.85	47.07	46.30	45.52	44.75	43.97	43.19	42.42	41.64	40.87	40.09	39.31	38.54	37.76	36.98	36.21

Table D.2.b Age groups and sex distribution for every five years from the population projection of 02-Adiyaman province

Population by Age and Sex - Total							
02-Adiyaman							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	66,239	34,032	32,207	0-4	59,726	30,599	29,127
5-9	63,156	32,501	30,655	5-9	62,155	31,953	30,201
10-14	67,226	34,405	32,821	10-14	59,028	30,394	28,634
15-19	64,065	32,581	31,484	15-19	62,926	32,164	30,762
20-24	54,720	26,307	28,413	20-24	55,851	28,383	27,468
25-29	51,652	25,578	26,074	25-29	45,601	21,821	23,780
30-34	42,238	20,858	21,380	30-34	45,832	22,808	23,024
35-39	36,556	18,268	18,288	35-39	38,362	18,900	19,462
40-44	29,369	15,476	13,893	40-44	33,959	16,834	17,126
45-49	24,890	12,478	12,412	45-49	27,802	14,564	13,237
50-54	20,338	10,023	10,315	50-54	23,428	11,613	11,815
55-59	18,161	8,444	9,717	55-59	18,995	9,205	9,789
60-64	14,135	6,130	8,005	60-64	16,979	7,733	9,246
65-69	11,098	5,060	6,038	65-69	12,808	5,415	7,394
70-74	8,302	3,845	4,457	70-74	9,342	4,115	5,227
75-79	7,300	3,826	3,474	75-79	6,105	2,740	3,365
80+	5,621	1,849	3,772	80+	6,287	2,678	3,608
TOTAL	585,066	291,661	293,405	TOTAL	585,186	291,921	293,266
2018	Total	Male	Female	2023	Total	Male	Female
0-4	51,387	26,336	25,051	0-4	41,846	21,449	20,397
5-9	55,701	28,552	27,148	5-9	47,414	24,314	23,100
10-14	58,039	29,854	28,186	10-14	51,604	26,462	25,142
15-19	54,760	28,172	26,589	15-19	53,785	27,639	26,146
20-24	54,734	27,978	26,756	20-24	46,613	24,014	22,599
25-29	46,743	23,895	22,847	25-29	45,648	23,503	22,145
30-34	39,834	19,085	20,750	30-34	40,985	21,156	19,829
35-39	41,953	20,846	21,106	35-39	36,012	17,158	18,853
40-44	35,772	17,472	18,300	40-44	39,353	19,410	19,943
45-49	32,353	15,912	16,441	45-49	34,169	16,556	17,614
50-54	26,290	13,653	12,637	50-54	30,775	14,979	15,796
55-59	21,994	10,733	11,260	55-59	24,771	12,696	12,075
60-64	17,784	8,450	9,333	60-64	20,643	9,884	10,758
65-69	15,397	6,841	8,556	65-69	16,159	7,496	8,663
70-74	10,844	4,425	6,419	70-74	13,060	5,613	7,446
75-79	6,930	2,954	3,976	75-79	8,112	3,201	4,911
80+	6,051	2,525	3,527	80+	6,469	2,601	3,869
TOTAL	576,566	287,685	288,880	TOTAL	557,418	278,132	279,286

Table D.3.a Summary table for annual results of the population projection of 03-Afyon province

03-Afyon	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	2.46	2.44	2.41	2.39	2.36	2.33	2.31	2.28	2.26	2.23	2.20	2.18	2.15	2.13	2.10	2.07
GRR	1.20	1.19	1.18	1.17	1.15	1.14	1.13	1.11	1.10	1.09	1.07	1.06	1.05	1.04	1.02	1.01
NRR	1.16	1.15	1.14	1.13	1.12	1.11	1.10	1.09	1.08	1.06	1.05	1.04	1.03	1.02	1.01	0.99
Mean A. Childb.	27.0	27.2	27.3	27.4	27.5	27.6	27.7	27.8	27.9	28.0	28.1	28.2	28.3	28.4	28.5	28.6
Child-woman ratio	0.32	0.33	0.34	0.34	0.35	0.35	0.34	0.33	0.33	0.32	0.31	0.30	0.30	0.29	0.28	0.28
Fertility table: Custom																
Mortality																
Male LE	71.9	71.8	72.0	72.1	72.3	72.4	72.6	72.7	72.9	73.1	73.2	73.4	73.5	73.7	73.9	74.0
Female LE	74.1	74.2	74.5	74.8	75.0	75.2	75.5	75.7	75.9	76.1	76.4	76.6	76.8	77.1	77.3	77.6
Total LE	73.0	73.0	73.3	73.5	73.7	73.8	74.0	74.2	74.4	74.6	74.8	75.0	75.2	75.4	75.6	75.8
IMR	19.1	18.5	17.9	17.3	16.7	16.2	15.8	15.3	14.8	14.3	13.9	13.4	12.9	12.4	12.0	11.5
U5MR	22.3	21.5	20.8	20.0	19.3	18.7	18.1	17.6	17.0	16.4	15.9	15.3	14.7	14.2	13.6	13.0
Life table: Coale-Demeny West																
Immigration																
Male immigration	-3,205	-3,205	-3,205	-3,205	-3,205	-3,205	-3,205	-3,205	-3,205	-3,205	-3,205	-3,205	-3,205	-3,205	-3,205	-3,205
Female immigration	-3,386	-3,386	-3,386	-3,386	-3,386	-3,386	-3,386	-3,386	-3,386	-3,386	-3,386	-3,386	-3,386	-3,386	-3,386	-3,386
Total immigration	-6,591	-6,591	-6,591	-6,591	-6,591	-6,591	-6,591	-6,591	-6,591	-6,591	-6,591	-6,591	-6,591	-6,591	-6,591	-6,591
Vital Rates																
CBR per 1000	19.9	19.4	18.7	18.2	17.5	17.0	16.4	15.9	15.4	14.8	14.3	13.9	13.4	13.1	12.6	12.3
CDR per 1000	8.1	8.0	8.1	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.3	8.3	8.4	8.5	8.6	8.7
RNI percent	1.18	1.13	1.06	1.00	0.94	0.88	0.82	0.77	0.72	0.66	0.61	0.56	0.50	0.46	0.41	0.36
GR percent	0.23	0.19	0.12	0.06	-0.01	-0.07	-0.12	-0.18	-0.23	-0.29	-0.35	-0.40	-0.46	-0.51	-0.57	-0.62
Doubling time	298.1	365.6	586.9	1186.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Annual Births&Deaths																
Births	13,893	13,525	13,091	12,710	12,278	11,852	11,481	11,063	10,699	10,296	9,905	9,570	9,205	8,898	8,568	8,257
Deaths	5,679	5,608	5,674	5,710	5,725	5,726	5,724	5,717	5,710	5,707	5,714	5,730	5,753	5,782	5,817	5,857
Population																
Total population	697,363	698,648	699,435	699,804	699,727	699,222	698,348	697,064	695,423	693,382	690,944	688,155	684,977	681,464	677,587	673,358
Male population	345,897	346,821	347,482	347,921	348,125	348,103	347,884	347,448	346,822	345,985	344,936	343,699	342,256	340,631	338,811	336,800
Female population	351,466	351,827	351,953	351,883	351,602	351,120	350,464	349,616	348,601	347,398	346,008	344,455	342,722	340,833	338,776	336,559
Percent 0-4	8.37	8.53	8.65	8.73	8.77	8.76	8.49	8.22	7.96	7.71	7.46	7.23	7.00	6.77	6.57	6.37
Percent 5-14	17.22	16.99	16.75	16.52	16.30	16.12	16.20	16.27	16.31	16.33	16.32	16.28	16.20	16.09	15.94	15.74
Percent 15-49	52.39	51.97	51.56	51.16	50.76	50.38	50.01	49.65	49.29	48.93	48.56	48.16	47.76	47.36	46.97	46.61
Percent 15-64	65.58	65.60	65.69	65.79	65.89	65.96	66.00	66.00	65.97	65.94	65.90	65.86	65.82	65.77	65.71	65.63
Percent 65 and over	8.83	8.87	8.91	8.96	9.04	9.15	9.31	9.51	9.75	10.02	10.32	10.64	10.99	11.37	11.79	12.26
Percent females 15-49	51.98	51.54	51.11	50.69	50.27	49.86	49.46	49.08	48.70	48.32	47.92	47.48	47.04	46.58	46.13	45.70
Sex ratio	98.42	98.58	98.73	98.87	99.01	99.14	99.26	99.38	99.49	99.59	99.69	99.78	99.86	99.94	100.01	100.07
Dependency ratio	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52
Median age	29	30	30	31	31	31	32	32	33	33	34	34	35	35	36	36
Urban population	272,336	276,595	280,613	284,470	288,217	291,716	295,052	298,274	301,257	304,117	306,710	309,119	311,391	313,405	315,213	316,882
Rural population	425,027	422,054	418,822	415,334	411,509	407,507	403,296	398,790	394,166	389,265	384,234	379,036	373,587	368,059	362,373	356,476
Percent urban	39.05	39.59	40.12	40.65	41.19	41.72	42.25	42.79	43.32	43.86	44.39	44.92	45.46	45.99	46.52	47.06
Percent rural	60.95	60.41	59.88	59.35	58.81	58.28	57.75	57.21	56.68	56.14	55.61	55.08	54.54	54.01	53.48	52.94

Table D.3.b Age groups and sex distribution for every five years from the population projection of 03-Afyon province

Population by Age and Sex - Total							
03-Afyon							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	58,374	29,910	28,464	0-4	61,261	31,373	29,888
5-9	58,954	30,183	28,771	5-9	56,056	28,706	27,350
10-14	61,119	31,248	29,871	10-14	56,655	29,036	27,619
15-19	58,795	30,037	28,758	15-19	60,193	30,776	29,417
20-24	60,450	29,516	30,934	20-24	50,396	26,140	24,257
25-29	58,232	29,778	28,454	25-29	49,048	23,935	25,114
30-34	50,520	24,962	25,558	30-34	54,006	27,492	26,514
35-39	48,737	24,189	24,548	35-39	48,158	23,841	24,317
40-44	44,625	22,398	22,227	40-44	46,973	23,285	23,688
45-49	43,980	21,758	22,222	45-49	43,515	21,761	21,754
50-54	36,994	18,298	18,696	50-54	43,303	21,335	21,968
55-59	31,024	15,206	15,818	55-59	36,180	17,848	18,331
60-64	23,973	11,171	12,802	60-64	29,466	14,300	15,165
65-69	20,606	9,282	11,324	65-69	21,760	10,033	11,727
70-74	17,011	7,678	9,333	70-74	17,429	7,691	9,738
75-79	15,222	6,931	8,291	75-79	12,679	5,563	7,116
80+	8,747	3,352	5,395	80+	12,144	4,988	7,156
TOTAL	697,363	345,897	351,466	TOTAL	699,222	348,103	351,120
2018	Total	Male	Female	2023	Total	Male	Female
0-4	51,574	26,407	25,167	0-4	42,882	21,956	20,925
5-9	58,967	30,177	28,790	5-9	49,322	25,234	24,088
10-14	53,773	27,566	26,207	10-14	56,690	29,041	27,650
15-19	55,754	28,577	27,178	15-19	52,891	27,117	25,774
20-24	51,816	26,888	24,928	20-24	47,411	24,708	22,703
25-29	39,056	20,585	18,471	25-29	40,495	21,343	19,153
30-34	44,893	21,688	23,206	30-34	34,959	18,363	16,596
35-39	51,667	26,374	25,293	35-39	42,630	20,612	22,018
40-44	46,449	22,961	23,488	40-44	49,985	25,498	24,488
45-49	45,903	22,665	23,238	45-49	45,454	22,375	23,078
50-54	42,937	21,378	21,559	50-54	45,377	22,304	23,073
55-59	42,392	20,816	21,576	55-59	42,160	20,912	21,248
60-64	34,477	16,830	17,646	60-64	40,534	19,681	20,853
65-69	26,906	12,899	14,007	65-69	31,681	15,251	16,430
70-74	18,583	8,385	10,197	70-74	23,193	10,865	12,328
75-79	13,188	5,641	7,547	75-79	14,268	6,230	8,039
80+	12,609	5,099	7,510	80+	13,425	5,310	8,115
TOTAL	690,944	344,936	346,008	TOTAL	673,358	336,800	336,559

Table D.4.a Summary table for annual results of the population projection of 04-Ağrı province

04-Ağrı	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	4.57	4.49	4.41	4.33	4.25	4.17	4.09	4.02	3.94	3.86	3.78	3.70	3.62	3.54	3.46	3.38
GRR	2.23	2.19	2.15	2.11	2.07	2.03	2.00	1.96	1.92	1.88	1.84	1.80	1.77	1.73	1.69	1.65
NRR	2.10	2.06	2.03	1.99	1.96	1.92	1.89	1.86	1.82	1.79	1.75	1.71	1.68	1.64	1.61	1.57
Mean A. Childb.	29.1	29.0	29.0	29.0	28.9	28.9	28.9	28.8	28.8	28.8	28.8	28.7	28.7	28.7	28.6	28.6
Child-woman ratio	0.62	0.62	0.62	0.62	0.62	0.61	0.60	0.58	0.56	0.55	0.53	0.52	0.52	0.51	0.50	0.50
Fertility table: Custom																
Mortality																
Male LE	67.9	68.0	68.1	68.2	68.3	68.4	68.5	68.6	68.7	68.8	68.9	69.0	69.1	69.2	69.3	69.4
Female LE	71.2	71.2	71.3	71.4	71.6	71.7	71.8	71.9	72.0	72.1	72.2	72.3	72.4	72.5	72.6	72.7
Total LE	69.5	69.6	69.7	69.8	69.9	70.0	70.1	70.2	70.3	70.4	70.5	70.6	70.7	70.8	70.9	71.0
IMR	37.7	37.3	36.8	36.4	35.9	35.5	35.0	34.6	34.1	33.7	33.2	32.8	32.3	31.9	31.4	31.0
U5MR	43.6	43.0	42.5	41.9	41.4	40.8	40.3	39.7	39.2	38.6	38.1	37.5	37.0	36.4	35.9	35.3
Life table: Coale-Demeny East																
Immigration																
Male immigration	-7,856	-7,856	-7,856	-7,856	-7,856	-7,856	-7,856	-7,856	-7,856	-7,856	-7,856	-7,856	-7,856	-7,856	-7,856	-7,856
Female immigration	-7,399	-7,399	-7,399	-7,399	-7,399	-7,399	-7,399	-7,399	-7,399	-7,399	-7,399	-7,399	-7,399	-7,399	-7,399	-7,399
Total immigration	-15,255	-15,255	-15,255	-15,255	-15,255	-15,255	-15,255	-15,255	-15,255	-15,255	-15,255	-15,255	-15,255	-15,255	-15,255	-15,255
Vital Rates																
CBR per 1000	32.5	31.9	31.2	30.7	30.1	29.5	28.9	28.4	27.8	27.4	27.0	26.6	26.2	25.9	25.6	25.3
CDR per 1000	5.2	5.2	5.2	5.2	5.2	5.2	5.3	5.3	5.3	5.4	5.4	5.5	5.6	5.7	5.8	5.9
RNI percent	2.73	2.67	2.61	2.54	2.48	2.42	2.36	2.31	2.25	2.20	2.15	2.10	2.06	2.02	1.98	1.93
GR percent	-0.14	-0.20	-0.28	-0.35	-0.42	-0.50	-0.58	-0.65	-0.73	-0.81	-0.88	-0.96	-1.04	-1.11	-1.20	-1.28
Doubling time	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Annual Births&Deaths																
Births	17,283	16,910	16,539	16,163	15,775	15,379	14,977	14,615	14,233	13,876	13,548	13,218	12,907	12,605	12,301	11,985
Deaths	2,774	2,743	2,751	2,749	2,742	2,734	2,729	2,726	2,724	2,726	2,734	2,745	2,759	2,775	2,791	2,807
Population																
Total population	532,183	530,912	529,263	527,240	524,836	522,044	518,856	515,310	511,383	507,098	502,477	497,515	492,228	486,624	480,700	474,444
Male population	276,510	275,760	274,818	273,684	272,356	270,829	269,100	267,187	265,081	262,793	260,335	257,704	254,910	251,956	248,839	245,552
Female population	255,673	255,152	254,446	253,556	252,481	251,216	249,757	248,123	246,302	244,305	242,142	239,810	237,318	234,668	231,861	228,892
Percent 0-4	13.83	13.86	13.90	13.93	13.97	14.00	13.73	13.48	13.22	12.98	12.76	12.55	12.35	12.18	12.02	11.87
Percent 5-14	28.27	27.89	27.46	26.97	26.40	25.75	25.34	24.89	24.42	23.96	23.54	23.41	23.29	23.17	23.06	22.96
Percent 15-49	47.98	48.08	48.23	48.44	48.73	49.10	49.53	50.00	50.46	50.86	51.18	51.13	51.01	50.85	50.67	50.50
Percent 15-64	54.65	54.91	55.21	55.58	56.02	56.52	57.09	57.69	58.28	58.84	59.33	59.49	59.61	59.70	59.76	59.81
Percent 65 and over	3.26	3.34	3.43	3.52	3.62	3.73	3.84	3.95	4.08	4.22	4.37	4.55	4.74	4.95	5.16	5.37
Percent females 15-49	46.46	46.50	46.60	46.76	47.03	47.40	47.88	48.40	48.94	49.43	49.80	49.79	49.70	49.57	49.42	49.26
Sex ratio	108.15	108.08	108.01	107.94	107.87	107.81	107.74	107.68	107.62	107.57	107.51	107.46	107.41	107.37	107.32	107.28
Dependency ratio	0.83	0.82	0.81	0.80	0.79	0.77	0.75	0.73	0.72	0.70	0.69	0.68	0.68	0.67	0.67	0.67
Median age	19	19	19	19	19	19	20	20	20	20	21	21	21	22	22	23
Urban population	220,303	223,833	227,160	230,299	233,237	235,964	238,466	240,753	242,805	244,624	246,214	247,563	248,674	249,541	250,205	250,554
Rural population	311,880	307,080	302,103	296,942	291,599	286,080	280,390	274,557	268,579	262,474	256,263	249,951	243,555	237,083	230,496	223,890
Percent urban	41.40	42.16	42.92	43.68	44.44	45.20	45.96	46.72	47.48	48.24	49.00	49.76	50.52	51.28	52.05	52.81
Percent rural	58.60	57.84	57.08	56.32	55.56	54.80	54.04	53.28	52.52	51.76	51.00	50.24	49.48	48.72	47.95	47.19

Table D.4.b Age groups and sex distribution for every five years from the population projection of 04-Ağrı province

Population by Age and Sex - Total							
04-Ağrı							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	73,588	38,009	35,579	0-4	73,075	37,364	35,711
5-9	79,783	40,746	39,037	5-9	64,059	33,036	31,023
10-14	70,641	36,725	33,916	10-14	70,384	35,573	34,811
15-19	59,838	31,135	28,703	15-19	61,479	31,919	29,560
20-24	50,912	28,748	22,164	20-24	49,803	26,606	23,197
25-29	46,397	24,309	22,088	25-29	39,826	23,371	16,455
30-34	31,708	16,783	14,925	30-34	37,009	19,079	17,930
35-39	27,594	14,818	12,776	35-39	26,438	13,756	12,682
40-44	20,880	11,287	9,593	40-44	23,776	12,755	11,020
45-49	18,003	9,458	8,545	45-49	17,997	9,756	8,240
50-54	15,147	7,450	7,697	50-54	15,548	8,199	7,348
55-59	11,336	5,083	6,253	55-59	13,286	6,467	6,819
60-64	9,014	4,217	4,797	60-64	9,917	4,354	5,563
65-69	6,771	2,949	3,822	65-69	7,797	3,578	4,219
70-74	4,481	2,125	2,356	70-74	5,532	2,316	3,217
75-79	3,636	1,681	1,955	75-79	3,184	1,455	1,729
80+	2,454	987	1,467	80+	2,937	1,244	1,692
TOTAL	532,183	276,510	255,673	TOTAL	522,044	270,829	251,216
2018	Total	Male	Female	2023	Total	Male	Female
0-4	64,092	32,775	31,317	0-4	56,303	28,796	27,507
5-9	63,584	32,414	31,170	5-9	54,673	27,863	26,810
10-14	54,704	27,887	26,817	10-14	54,240	27,272	26,968
15-19	61,235	30,778	30,458	15-19	45,610	23,125	22,486
20-24	51,452	27,395	24,057	20-24	51,228	26,269	24,959
25-29	38,744	21,255	17,490	25-29	40,402	22,049	18,353
30-34	30,491	18,157	12,333	30-34	29,433	16,064	13,369
35-39	31,712	16,040	15,672	35-39	25,252	15,135	10,118
40-44	22,650	11,716	10,934	40-44	27,884	13,981	13,903
45-49	20,859	11,205	9,653	45-49	19,771	10,195	9,576
50-54	15,557	8,499	7,058	50-54	18,360	9,912	8,449
55-59	13,673	7,184	6,489	55-59	13,698	7,481	6,217
60-64	11,742	5,633	6,109	60-64	12,106	6,301	5,805
65-69	8,640	3,709	4,932	65-69	10,284	4,841	5,443
70-74	6,395	2,829	3,566	70-74	7,139	2,948	4,191
75-79	3,983	1,601	2,382	75-79	4,625	1,969	2,656
80+	2,964	1,257	1,706	80+	3,435	1,352	2,083
TOTAL	502,477	260,335	242,142	TOTAL	474,444	245,552	228,892

Table D.5.a Summary table for annual results of the population projection of 05-Amasya province

05-Amasya	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	2.01	2.00	2.00	1.99	1.98	1.97	1.97	1.96	1.95	1.94	1.94	1.93	1.92	1.91	1.91	1.90
GRR	0.98	0.98	0.98	0.97	0.97	0.96	0.96	0.96	0.95	0.95	0.95	0.94	0.94	0.93	0.93	0.93
NRR	0.95	0.95	0.95	0.94	0.94	0.94	0.94	0.93	0.93	0.93	0.93	0.92	0.92	0.91	0.92	0.91
Mean A. Childb.	27.0	27.2	27.3	27.4	27.5	27.6	27.7	27.8	27.9	28.0	28.1	28.2	28.3	28.4	28.5	28.6
Child-woman ratio	0.27	0.27	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.27	0.27	0.27	0.26	0.26	0.26	0.26
Fertility table: Custom																
Mortality																
Male LE	71.9	71.8	72.0	72.1	72.3	72.4	72.6	72.7	72.9	73.1	73.2	73.4	73.5	73.7	73.9	74.0
Female LE	74.1	74.2	74.5	74.8	75.0	75.2	75.5	75.7	75.9	76.1	76.4	76.6	76.8	77.1	77.3	77.6
Total LE	73.0	73.0	73.2	73.5	73.7	73.8	74.0	74.2	74.4	74.6	74.8	75.0	75.2	75.4	75.6	75.8
IMR	19.1	18.5	17.9	17.3	16.7	16.2	15.8	15.3	14.8	14.3	13.9	13.4	12.9	12.4	12.0	11.5
U5MR	22.3	21.5	20.8	20.0	19.3	18.7	18.1	17.6	17.0	16.4	15.9	15.3	14.7	14.2	13.6	13.0
Life table: Coale-Demeny West																
Immigration																
Male immigration	-1,282	-1,282	-1,282	-1,282	-1,282	-1,282	-1,282	-1,282	-1,282	-1,282	-1,282	-1,282	-1,282	-1,282	-1,282	-1,282
Female immigration	-1,238	-1,238	-1,238	-1,238	-1,238	-1,238	-1,238	-1,238	-1,238	-1,238	-1,238	-1,238	-1,238	-1,238	-1,238	-1,238
Total immigration	-2,520	-2,520	-2,520	-2,520	-2,520	-2,520	-2,520	-2,520	-2,520	-2,520	-2,520	-2,520	-2,520	-2,520	-2,520	-2,520
Vital Rates																
CBR per 1000	15.0	14.7	14.4	14.1	13.8	13.5	13.2	12.9	12.6	12.3	12.0	11.7	11.4	11.0	10.8	10.5
CDR per 1000	9.6	9.5	9.7	9.8	9.9	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	11.0	11.2
RNI percent	0.54	0.51	0.47	0.43	0.39	0.35	0.31	0.27	0.23	0.19	0.16	0.11	0.07	0.02	-0.02	-0.07
GR percent	-0.24	-0.27	-0.31	-0.36	-0.40	-0.45	-0.49	-0.53	-0.57	-0.62	-0.66	-0.71	-0.76	-0.81	-0.86	-0.92
Doubling time	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Annual Births&Deaths																
Births	4,850	4,737	4,645	4,528	4,408	4,287	4,185	4,062	3,938	3,815	3,709	3,582	3,457	3,336	3,234	3,117
Deaths	3,109	3,075	3,124	3,155	3,175	3,189	3,200	3,208	3,214	3,221	3,230	3,242	3,256	3,273	3,296	3,322
Population																
Total population	323,677	322,813	321,808	320,655	319,361	317,933	316,391	314,718	312,916	310,983	308,935	306,748	304,422	301,958	299,369	296,637
Male population	161,381	160,988	160,516	159,963	159,335	158,636	157,876	157,048	156,152	155,188	154,164	153,068	151,899	150,658	149,352	147,970
Female population	162,296	161,825	161,293	160,692	160,026	159,297	158,515	157,670	156,764	155,795	154,771	153,680	152,523	151,299	150,017	148,668
Percent 0-4	6.79	6.86	6.92	6.95	6.95	6.92	6.78	6.64	6.50	6.35	6.21	6.07	5.92	5.78	5.64	5.50
Percent 5-14	15.71	15.32	14.95	14.59	14.26	13.97	13.82	13.69	13.60	13.51	13.43	13.42	13.38	13.30	13.20	13.07
Percent 15-49	51.35	51.04	50.70	50.36	50.01	49.63	49.23	48.81	48.36	47.89	47.40	46.84	46.29	45.76	45.25	44.77
Percent 15-64	66.67	66.79	66.89	66.98	67.05	67.09	67.09	67.04	66.94	66.80	66.62	66.34	66.07	65.80	65.51	65.23
Percent 65 and over	10.84	11.03	11.25	11.49	11.75	12.02	12.31	12.62	12.96	13.33	13.74	14.17	14.63	15.12	15.65	16.21
Percent females 15-49	50.60	50.21	49.79	49.35	48.91	48.46	48.00	47.53	47.04	46.52	45.96	45.30	44.64	43.99	43.37	42.78
Sex ratio	99.44	99.48	99.52	99.55	99.57	99.59	99.60	99.61	99.61	99.61	99.61	99.60	99.59	99.58	99.56	99.53
Dependency ratio	0.50	0.50	0.50	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.50	0.51	0.51	0.52	0.53	0.53
Median age	32	33	33	34	34	35	35	36	36	37	37	38	39	39	40	40
Urban population	171,656	174,125	176,480	178,733	180,918	182,970	184,962	186,817	188,563	190,228	191,756	193,159	194,465	195,608	196,626	197,531
Rural population	152,021	148,688	145,329	141,922	138,443	134,962	131,429	127,901	124,353	120,755	117,179	113,589	109,957	106,349	102,744	99,107
Percent urban	53.03	53.94	54.84	55.74	56.65	57.55	58.46	59.36	60.26	61.17	62.07	62.97	63.88	64.78	65.68	66.59
Percent rural	46.97	46.06	45.16	44.26	43.35	42.45	41.54	40.64	39.74	38.83	37.93	37.03	36.12	35.22	34.32	33.41

Table D.5.b Age groups and sex distribution for every five years from the population projection of 05-Amasya province

Population by Age and Sex - Total 05-Amasya							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	21,970	11,447	10,523	0-4	21,989	11,140	10,849
5-9	24,108	12,256	11,852	5-9	21,157	10,890	10,267
10-14	26,727	13,660	13,067	10-14	23,257	11,740	11,517
15-19	26,633	13,556	13,077	15-19	24,919	12,660	12,259
20-24	26,377	14,204	12,173	20-24	22,392	11,836	10,556
25-29	25,134	12,827	12,307	25-29	22,817	12,724	10,093
30-34	22,575	11,203	11,372	30-34	23,759	11,872	11,887
35-39	22,347	10,941	11,406	35-39	21,679	10,693	10,986
40-44	21,832	10,921	10,911	40-44	21,287	10,406	10,881
45-49	21,321	10,444	10,877	45-49	20,944	10,419	10,526
50-54	18,700	9,341	9,359	50-54	20,771	10,181	10,590
55-59	16,365	7,991	8,374	55-59	18,523	9,160	9,363
60-64	14,516	6,830	7,686	60-64	16,218	7,810	8,408
65-69	11,590	5,198	6,392	65-69	13,709	6,377	7,332
70-74	9,984	4,644	5,340	70-74	10,007	4,389	5,617
75-79	8,555	4,120	4,435	75-79	7,512	3,406	4,106
80+	4,943	1,798	3,145	80+	6,992	2,932	4,059
TOTAL	323,677	161,381	162,296	TOTAL	317,933	158,636	159,297
2018	Total	Male	Female	2023	Total	Male	Female
0-4	19,198	9,708	9,490	0-4	16,303	8,226	8,078
5-9	21,188	10,589	10,599	5-9	18,411	9,164	9,247
10-14	20,315	10,379	9,937	10-14	20,350	10,080	10,270
15-19	21,463	10,748	10,715	15-19	18,532	9,392	9,139
20-24	20,694	10,948	9,746	20-24	17,255	9,047	8,209
25-29	18,859	10,372	8,488	25-29	17,177	9,493	7,684
30-34	21,465	11,776	9,689	30-34	17,533	9,439	8,094
35-39	22,875	11,366	11,509	35-39	20,607	11,278	9,329
40-44	20,647	10,170	10,477	40-44	21,858	10,848	11,010
45-49	20,438	9,924	10,514	45-49	19,836	9,704	10,132
50-54	20,444	10,175	10,269	50-54	19,992	9,710	10,282
55-59	20,583	9,992	10,592	55-59	20,324	10,011	10,313
60-64	18,330	8,934	9,396	60-64	20,371	9,749	10,622
65-69	15,343	7,289	8,054	65-69	17,377	8,342	9,035
70-74	11,908	5,411	6,497	70-74	13,423	6,217	7,206
75-79	7,655	3,264	4,391	75-79	9,224	4,065	5,160
80+	7,527	3,120	4,408	80+	8,064	3,207	4,858
TOTAL	308,935	154,164	154,771	TOTAL	296,637	147,970	148,668

Table D.6.b Age groups and sex distribution for every five years from the population projection of 06-Ankara province

Population by Age and Sex - Total 06-Ankara							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	339,515	174,674	164,841	0-4	336,782	172,408	164,375
5-9	344,645	176,869	167,776	5-9	364,105	187,465	176,640
10-14	356,849	183,286	173,563	10-14	371,972	191,060	180,912
15-19	353,873	180,324	173,549	15-19	379,493	192,835	186,658
20-24	419,081	216,659	202,422	20-24	371,628	186,790	184,839
25-29	431,105	215,057	216,048	25-29	436,316	226,076	210,241
30-34	397,343	197,619	199,724	30-34	451,202	226,390	224,813
35-39	372,513	183,439	189,074	35-39	412,374	205,640	206,734
40-44	341,789	169,528	172,261	40-44	379,597	187,296	192,301
45-49	310,237	154,789	155,448	45-49	340,445	168,731	171,714
50-54	256,756	128,563	128,193	50-54	301,553	150,044	151,509
55-59	194,660	96,376	98,284	55-59	241,866	120,092	121,774
60-64	140,622	66,752	73,870	60-64	177,444	86,466	90,978
65-69	104,411	47,749	56,662	65-69	123,465	57,102	66,363
70-74	73,918	31,882	42,036	70-74	86,655	38,267	48,388
75-79	62,826	27,011	35,815	75-79	54,751	22,640	32,111
80+	48,798	17,204	31,594	80+	55,664	21,033	34,631
TOTAL	4,548,941	2,267,781	2,281,160	TOTAL	4,885,314	2,440,334	2,444,980
2018	Total	Male	Female	2023	Total	Male	Female
0-4	321,573	164,562	157,011	0-4	304,518	155,799	148,718
5-9	361,561	185,278	176,283	5-9	346,512	177,516	168,996
10-14	391,480	201,672	189,808	10-14	389,004	199,521	189,483
15-19	394,700	200,643	194,056	15-19	414,285	211,290	202,995
20-24	397,349	199,338	198,011	20-24	412,685	207,207	205,478
25-29	389,267	196,435	192,832	25-29	415,119	209,036	206,082
30-34	456,674	237,481	219,193	30-34	410,043	208,070	201,973
35-39	466,309	234,398	231,911	35-39	472,094	245,586	226,508
40-44	419,592	209,500	210,091	40-44	473,635	238,255	235,380
45-49	378,342	186,500	191,843	45-49	418,498	208,700	209,797
50-54	331,835	163,968	167,866	50-54	369,812	181,706	188,106
55-59	285,963	141,082	144,881	55-59	316,253	154,902	161,351
60-64	222,942	109,020	113,922	60-64	265,886	129,171	136,716
65-69	157,868	75,135	82,733	65-69	200,687	95,895	104,793
70-74	103,801	46,405	57,397	70-74	134,494	61,974	72,520
75-79	65,266	27,652	37,614	75-79	79,457	34,057	45,399
80+	55,917	21,021	34,896	80+	63,366	24,233	39,132
TOTAL	5,200,437	2,600,089	2,600,348	TOTAL	5,486,347	2,742,919	2,743,428

Table D.7.a Summary table for annual results of the population projection of 07-Antalya province

07-Antalya	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	1.74	1.72	1.70	1.67	1.65	1.63	1.60	1.58	1.56	1.54	1.51	1.49	1.47	1.45	1.42	1.40
GRR	0.85	0.84	0.83	0.81	0.80	0.80	0.78	0.77	0.76	0.75	0.74	0.73	0.72	0.71	0.69	0.68
NRR	0.81	0.80	0.79	0.78	0.77	0.76	0.74	0.74	0.73	0.72	0.71	0.70	0.69	0.68	0.67	0.66
Mean A. Childb.	27.1	27.2	27.3	27.4	27.5	27.6	27.7	27.8	27.9	28.0	28.1	28.2	28.3	28.4	28.5	28.6
Child-woman ratio	0.29	0.28	0.27	0.26	0.25	0.24	0.24	0.23	0.23	0.23	0.22	0.22	0.22	0.22	0.21	0.21
Fertility table: Custom																
Mortality																
Male LE	69.1	69.1	69.2	69.3	69.5	69.6	69.7	69.9	70.0	70.1	70.3	70.4	70.5	70.7	70.8	71.0
Female LE	71.3	71.4	71.5	71.6	71.7	71.9	72.0	72.1	72.3	72.4	72.5	72.7	72.8	72.9	73.1	73.2
Total LE	70.2	70.2	70.3	70.5	70.6	70.7	70.9	71.0	71.1	71.3	71.4	71.5	71.7	71.8	71.9	72.1
IMR	28.3	27.9	27.4	26.9	26.5	26.0	25.5	25.1	24.6	24.2	23.7	23.2	22.8	22.3	21.8	21.4
U5MR	34.3	33.7	33.1	32.5	31.9	31.3	30.7	30.1	29.5	28.8	28.2	27.6	27.0	26.4	25.8	25.2
Life table: Coale-Demeny West																
Immigration																
Male immigration	18,317	18,317	18,317	18,317	18,317	18,317	18,317	18,317	18,317	18,317	18,317	18,317	18,317	18,317	18,317	18,317
Female immigration	17,908	17,908	17,908	17,908	17,908	17,908	17,908	17,908	17,908	17,908	17,908	17,908	17,908	17,908	17,908	17,908
Total immigration	36,225	36,225	36,225	36,225	36,225	36,225	36,225	36,225	36,225	36,225	36,225	36,225	36,225	36,225	36,225	36,225
Vital Rates																
CBR per 1000	14.9	14.7	14.5	14.2	14.0	13.8	13.5	13.3	13.1	12.9	12.6	12.5	12.3	12.1	11.8	11.6
CDR per 1000	7.5	7.2	7.2	7.1	7.1	7.0	7.0	7.0	6.9	6.9	6.9	7.0	7.0	7.1	7.1	7.2
RNI percent	0.74	0.75	0.73	0.70	0.69	0.67	0.65	0.63	0.62	0.60	0.57	0.55	0.53	0.50	0.47	0.44
GR percent	2.69	2.64	2.58	2.50	2.44	2.39	2.32	2.27	2.22	2.16	2.10	2.05	2.00	1.94	1.88	1.83
Doubling time	26.1	26.6	27.3	28.0	28.7	29.4	30.2	30.9	31.6	32.4	33.3	34.2	35.1	36.0	37.2	38.2
Annual Births&Deaths																
Births	27,646	28,014	28,349	28,488	28,782	29,073	29,176	29,443	29,690	29,910	29,908	30,079	30,231	30,362	30,254	30,325
Deaths	13,868	13,777	14,072	14,338	14,593	14,848	15,116	15,399	15,709	16,052	16,428	16,844	17,291	17,763	18,251	18,760
Population																
Total population	1,859,273	1,910,006	1,960,779	2,011,423	2,062,106	2,112,823	2,163,374	2,213,908	2,264,378	2,314,725	2,364,692	2,414,413	2,463,837	2,512,920	2,561,405	2,609,451
Male population	942,262	968,035	993,803	1,019,480	1,045,152	1,070,817	1,096,374	1,121,898	1,147,367	1,172,748	1,197,912	1,222,928	1,247,770	1,272,416	1,296,734	1,320,807
Female population	917,011	941,971	966,976	991,943	1,016,954	1,042,005	1,067,000	1,092,010	1,117,012	1,141,977	1,166,779	1,191,484	1,216,067	1,240,504	1,264,670	1,288,644
Percent 0-4	8.08	7.82	7.56	7.31	7.06	6.82	6.72	6.62	6.53	6.43	6.34	6.25	6.15	6.06	5.96	5.87
Percent 5-14	16.41	16.25	16.06	15.87	15.67	15.49	15.20	14.92	14.64	14.37	14.10	13.82	13.55	13.28	13.03	12.77
Percent 15-49	56.92	57.07	57.20	57.31	57.39	57.45	57.47	57.46	57.43	57.38	57.30	57.20	57.07	56.92	56.76	56.61
Percent 15-64	69.33	69.81	70.30	70.78	71.22	71.62	71.97	72.28	72.55	72.79	73.02	73.23	73.41	73.57	73.72	73.84
Percent 65 and over	6.17	6.12	6.08	6.05	6.05	6.07	6.12	6.19	6.29	6.41	6.55	6.71	6.89	7.08	7.29	7.52
Percent females 15-49	56.68	56.84	56.99	57.12	57.23	57.30	57.36	57.38	57.38	57.34	57.29	57.20	57.07	56.91	56.76	56.60
Sex ratio	102.75	102.77	102.77	102.78	102.77	102.77	102.75	102.74	102.72	102.69	102.67	102.64	102.61	102.57	102.54	102.50
Dependency ratio	0.44	0.43	0.42	0.41	0.40	0.40	0.39	0.38	0.38	0.37	0.37	0.37	0.36	0.36	0.36	0.35
Median age	30	31	31	31	32	32	32	32	32	33	33	33	34	34	34	34
Urban population	1,179,540	1,232,145	1,285,683	1,340,413	1,396,252	1,452,988	1,510,900	1,569,661	1,629,673	1,690,675	1,752,236	1,814,914	1,878,183	1,942,487	2,007,373	2,072,687
Rural population	679,733	677,861	675,096	671,011	665,854	659,835	652,474	644,247	634,705	624,050	612,455	599,499	585,654	570,433	554,032	536,764
Percent urban	63.44	64.51	65.57	66.64	67.71	68.77	69.84	70.90	71.97	73.04	74.10	75.17	76.23	77.30	78.37	79.43
Percent rural	36.56	35.49	34.43	33.36	32.29	31.23	30.16	29.10	28.03	26.96	25.90	24.83	23.77	22.70	21.63	20.57

Table D.7.b Age groups and sex distribution for every five years from the population projection of 07-Antalya province

Population by Age and Sex - Total							
07-Antalya							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	150,312	77,109	73,203	0-4	144,178	73,849	70,328
5-9	149,965	77,109	72,856	5-9	162,027	83,088	78,940
10-14	155,159	79,865	75,294	10-14	165,275	84,900	80,375
15-19	145,655	75,237	70,418	15-19	167,898	87,159	80,739
20-24	138,963	66,973	71,990	20-24	170,607	86,257	84,350
25-29	174,905	89,094	85,811	25-29	172,549	82,211	90,338
30-34	170,356	87,075	83,281	30-34	197,604	101,884	95,721
35-39	162,935	83,260	79,675	35-39	184,544	94,628	89,916
40-44	141,165	73,111	68,054	40-44	172,411	87,773	84,638
45-49	124,345	63,781	60,564	45-49	148,098	76,683	71,415
50-54	100,299	51,079	49,220	50-54	127,539	65,473	62,066
55-59	75,583	38,318	37,265	55-59	99,670	50,660	49,009
60-64	54,839	27,069	27,770	60-64	72,233	36,431	35,802
65-69	42,867	20,958	21,909	65-69	49,622	24,167	25,455
70-74	29,139	13,890	15,249	70-74	35,870	17,093	18,777
75-79	25,496	11,763	13,733	75-79	21,533	9,916	11,617
80+	17,290	6,571	10,719	80+	21,166	8,645	12,521
TOTAL	1,859,273	942,262	917,011	TOTAL	2,112,823	1,070,817	1,042,005
2018	Total	Male	Female	2023	Total	Male	Female
0-4	149,827	76,756	73,070	0-4	153,261	78,531	74,730
5-9	156,021	79,898	76,122	5-9	161,741	82,846	78,895
10-14	177,348	90,885	86,463	10-14	171,394	87,725	83,669
15-19	178,032	92,203	85,829	15-19	190,125	98,199	91,926
20-24	192,817	98,154	94,663	20-24	202,990	103,219	99,771
25-29	204,101	101,422	102,679	25-29	226,304	113,308	112,996
30-34	195,383	95,106	100,277	30-34	226,872	114,264	112,608
35-39	211,707	109,389	102,318	35-39	209,653	102,740	106,913
40-44	193,938	99,099	94,838	40-44	220,996	113,801	107,196
45-49	178,989	91,179	87,809	45-49	200,379	102,433	97,946
50-54	150,847	78,107	72,740	50-54	181,191	92,331	88,860
55-59	125,950	64,475	61,476	55-59	148,561	76,668	71,893
60-64	94,918	47,937	46,981	60-64	119,754	60,864	58,891
65-69	65,380	32,519	32,861	65-69	85,993	42,814	43,179
70-74	41,691	19,806	21,886	70-74	55,105	26,765	28,340
75-79	26,654	12,284	14,370	75-79	31,159	14,333	16,826
80+	21,089	8,692	12,397	80+	23,972	9,967	14,005
TOTAL	2,364,692	1,197,912	1,166,779	TOTAL	2,609,451	1,320,807	1,288,644

Table D.8.a Summary table for annual results of the population projection of 08-Artvin province

08-Artvin	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	1.76	1.74	1.71	1.69	1.66	1.64	1.62	1.59	1.57	1.54	1.52	1.50	1.47	1.45	1.42	1.40
GRR	0.86	0.85	0.83	0.82	0.81	0.80	0.79	0.78	0.77	0.75	0.74	0.73	0.72	0.71	0.69	0.68
NRR	0.82	0.82	0.80	0.79	0.78	0.77	0.76	0.75	0.74	0.73	0.72	0.71	0.70	0.69	0.67	0.66
Mean A. Childb.	27.5	27.6	27.6	27.7	27.8	27.9	27.9	28.0	28.1	28.2	28.2	28.3	28.4	28.5	28.5	28.6
Child-woman ratio	0.25	0.25	0.25	0.24	0.24	0.23	0.23	0.22	0.22	0.22	0.21	0.21	0.21	0.21	0.20	0.20
Fertility table: Custom																
Mortality																
Male LE	70.7	70.7	70.9	71.0	71.2	71.3	71.4	71.6	71.7	71.8	72.0	72.1	72.2	72.4	72.5	72.6
Female LE	72.9	73.0	73.1	73.2	73.4	73.5	73.7	73.8	74.0	74.1	74.3	74.4	74.6	74.7	74.9	75.0
Total LE	71.8	71.8	72.0	72.1	72.3	72.4	72.5	72.7	72.8	73.0	73.1	73.2	73.4	73.5	73.7	73.8
IMR	22.7	22.2	21.7	21.2	20.8	20.3	19.9	19.5	19.1	18.7	18.3	17.9	17.4	17.0	16.6	16.2
U5MR	26.9	26.3	25.6	25.0	24.4	23.9	23.4	22.8	22.3	21.8	21.3	20.7	20.2	19.7	19.2	18.7
Life table: Coale-Demeny West																
Immigration																
Male immigration	-933	-933	-933	-933	-933	-933	-933	-933	-933	-933	-933	-933	-933	-933	-933	-933
Female immigration	-1,027	-1,027	-1,027	-1,027	-1,027	-1,027	-1,027	-1,027	-1,027	-1,027	-1,027	-1,027	-1,027	-1,027	-1,027	-1,027
Total immigration	-1,960	-1,960	-1,960	-1,960	-1,960	-1,960	-1,960	-1,960	-1,960	-1,960	-1,960	-1,960	-1,960	-1,960	-1,960	-1,960
Vital Rates																
CBR per 1000	12.7	12.3	12.0	11.7	11.3	11.0	10.7	10.4	10.1	9.8	9.5	9.3	8.9	8.7	8.3	8.0
CDR per 1000	12.0	12.1	12.2	12.3	12.3	12.3	12.4	12.4	12.4	12.5	12.6	12.9	13.1	13.4	13.7	14.0
RNI percent	0.07	0.03	-0.03	-0.07	-0.11	-0.13	-0.16	-0.20	-0.23	-0.27	-0.31	-0.36	-0.42	-0.47	-0.54	-0.60
GR percent	-1.11	-1.16	-1.23	-1.29	-1.34	-1.39	-1.44	-1.49	-1.54	-1.60	-1.67	-1.74	-1.82	-1.90	-2.00	-2.09
Doubling time	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Annual Births&Deaths																
Births	2,112	2,033	1,945	1,872	1,789	1,719	1,651	1,576	1,512	1,441	1,380	1,318	1,248	1,187	1,118	1,057
Deaths	2,000	1,987	1,991	1,979	1,956	1,929	1,904	1,878	1,855	1,838	1,830	1,828	1,830	1,835	1,840	1,844
Population																
Total population	166,584	164,665	162,654	160,582	158,450	156,276	154,059	151,792	149,485	147,123	144,708	142,233	139,686	137,073	134,386	131,634
Male population	83,486	82,602	81,669	80,702	79,704	78,681	77,635	76,563	75,469	74,346	73,196	72,016	70,800	69,550	68,263	66,940
Female population	83,098	82,063	80,985	79,880	78,747	77,595	76,423	75,229	74,016	72,777	71,512	70,217	68,886	67,523	66,124	64,694
Percent 0-4	6.17	6.14	6.07	5.97	5.83	5.66	5.50	5.35	5.20	5.06	4.91	4.77	4.63	4.49	4.34	4.19
Percent 5-14	14.75	14.37	14.00	13.65	13.33	13.04	12.76	12.48	12.22	11.97	11.73	11.56	11.35	11.11	10.83	10.51
Percent 15-49	51.32	51.12	50.92	50.71	50.46	50.15	49.77	49.32	48.80	48.20	47.54	46.75	45.93	45.10	44.30	43.53
Percent 15-64	66.50	66.84	67.20	67.57	67.91	68.22	68.46	68.65	68.76	68.78	68.71	68.48	68.21	67.91	67.60	67.31
Percent 65 and over	12.58	12.66	12.73	12.82	12.93	13.08	13.28	13.52	13.82	14.20	14.65	15.19	15.81	16.50	17.23	17.99
Percent females 15-49	49.76	49.60	49.47	49.33	49.16	48.93	48.61	48.21	47.73	47.16	46.52	45.75	44.94	44.11	43.29	42.51
Sex ratio	100.47	100.66	100.84	101.03	101.22	101.40	101.59	101.77	101.96	102.16	102.36	102.56	102.78	103.00	103.23	103.47
Dependency ratio	0.50	0.50	0.49	0.48	0.47	0.47	0.46	0.46	0.45	0.45	0.46	0.46	0.47	0.47	0.48	0.49
Median age	34	35	35	36	36	37	37	38	39	39	40	41	42	42	43	44
Urban population	23,527	23,712	23,861	24,007	24,116	24,223	24,295	24,347	24,396	24,408	24,412	24,379	24,333	24,248	24,136	24,010
Rural population	143,057	140,953	138,793	136,575	134,334	132,053	129,764	127,445	125,089	122,715	120,296	117,854	115,353	112,825	110,251	107,624
Percent urban	14.12	14.40	14.67	14.95	15.22	15.50	15.77	16.04	16.32	16.59	16.87	17.14	17.42	17.69	17.96	18.24
Percent rural	85.88	85.60	85.33	85.05	84.78	84.50	84.23	83.96	83.68	83.41	83.13	82.86	82.58	82.31	82.04	81.76

Table D.8.b Age groups and sex distribution for every five years from the population projection of 08-Artvin province

Population by Age and Sex - Total 08-Artvin							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	10,272	5,265	5,007	0-4	8,848	4,504	4,344
5-9	11,533	5,942	5,591	5-9	9,534	4,893	4,641
10-14	13,041	6,612	6,429	10-14	10,847	5,615	5,232
15-19	13,477	6,872	6,605	15-19	11,881	6,006	5,875
20-24	12,887	6,883	6,004	20-24	11,929	6,148	5,781
25-29	12,675	6,544	6,131	25-29	10,907	6,020	4,887
30-34	11,711	6,016	5,695	30-34	10,398	5,376	5,022
35-39	12,405	6,267	6,138	35-39	10,533	5,242	5,291
40-44	11,673	6,003	5,670	40-44	11,701	5,862	5,840
45-49	10,661	5,551	5,110	45-49	11,020	5,751	5,269
50-54	10,112	4,951	5,161	50-54	10,343	5,441	4,902
55-59	8,118	3,935	4,183	55-59	9,995	4,904	5,091
60-64	7,057	3,145	3,912	60-64	7,897	3,837	4,060
65-69	6,656	2,949	3,707	65-69	6,515	2,911	3,604
70-74	4,832	2,353	2,479	70-74	5,702	2,484	3,218
75-79	5,672	2,670	3,002	75-79	3,581	1,732	1,849
80+	3,802	1,528	2,274	80+	4,645	1,955	2,691
TOTAL	166,584	83,486	83,098	TOTAL	156,276	78,681	77,595
2018	Total	Male	Female	2023	Total	Male	Female
0-4	7,108	3,612	3,496	0-4	5,521	2,799	2,722
5-9	8,120	4,137	3,984	5-9	6,389	3,249	3,140
10-14	8,853	4,569	4,285	10-14	7,443	3,814	3,629
15-19	9,695	5,013	4,682	15-19	7,708	3,971	3,737
20-24	10,344	5,288	5,055	20-24	8,168	4,301	3,868
25-29	9,960	5,292	4,668	25-29	8,386	4,438	3,948
30-34	8,646	4,858	3,788	30-34	7,708	4,136	3,572
35-39	9,236	4,610	4,626	35-39	7,499	4,098	3,402
40-44	9,856	4,851	5,005	40-44	8,577	4,228	4,349
45-49	11,060	5,619	5,442	45-49	9,251	4,628	4,623
50-54	10,710	5,646	5,064	50-54	10,766	5,525	5,241
55-59	10,233	5,384	4,849	55-59	10,609	5,593	5,016
60-64	9,684	4,752	4,932	60-64	9,929	5,215	4,713
65-69	7,298	3,543	3,755	65-69	8,948	4,377	4,571
70-74	5,611	2,470	3,141	70-74	6,307	3,015	3,292
75-79	4,280	1,848	2,432	75-79	4,241	1,856	2,386
80+	4,015	1,707	2,309	80+	4,184	1,698	2,485
TOTAL	144,708	73,196	71,512	TOTAL	131,634	66,940	64,694

Table D.9.a Summary table for annual results of the population projection of 09-Aydın province

09-Aydın	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	1.86	1.84	1.82	1.80	1.78	1.76	1.74	1.72	1.70	1.68	1.66	1.64	1.63	1.61	1.59	1.57
GRR	0.91	0.90	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.80	0.79	0.78	0.77
NRR	0.89	0.88	0.87	0.86	0.85	0.84	0.84	0.83	0.82	0.81	0.80	0.79	0.79	0.78	0.77	0.76
Mean A. Childb.	27.4	27.5	27.6	27.7	27.7	27.8	27.9	28.0	28.1	28.1	28.2	28.3	28.4	28.4	28.5	28.6
Child-woman ratio	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.25	0.25	0.25	0.25	0.24	0.24	0.24
Fertility table: Custom																
Mortality																
Male LE	73.6	73.7	74.0	74.4	74.7	75.1	75.4	75.8	76.1	76.5	76.9	77.2	77.6	78.0	78.4	78.8
Female LE	76.4	76.5	76.8	77.0	77.2	77.5	77.7	77.9	78.2	78.4	78.7	78.9	79.2	79.4	79.7	80.0
Total LE	75.0	75.1	75.4	75.7	76.0	76.3	76.6	76.8	77.1	77.5	77.8	78.1	78.4	78.7	79.0	79.4
IMR	13.7	13.0	12.3	11.6	10.9	10.3	9.6	8.9	8.2	7.5	6.8	6.1	5.4	4.7	4.0	3.3
U5MR	15.7	14.9	14.0	13.2	12.4	11.6	10.7	9.9	9.1	8.3	7.4	6.6	5.8	4.9	4.1	3.3
Life table: Coale-Demeny West																
Immigration																
Male immigration	4,474	4,474	4,474	4,474	4,474	4,474	4,474	4,474	4,474	4,474	4,474	4,474	4,474	4,474	4,474	4,474
Female immigration	4,324	4,324	4,324	4,324	4,324	4,324	4,324	4,324	4,324	4,324	4,324	4,324	4,324	4,324	4,324	4,324
Total immigration	8,798	8,798	8,798	8,798	8,798	8,798	8,798	8,798	8,798	8,798	8,798	8,798	8,798	8,798	8,798	8,798
Vital Rates																
CBR per 1000	14.2	14.0	13.9	13.7	13.5	13.3	13.1	12.9	12.7	12.5	12.3	12.0	11.9	11.6	11.4	11.1
CDR per 1000	8.1	7.9	7.9	7.8	7.8	7.7	7.6	7.6	7.5	7.4	7.4	7.4	7.3	7.3	7.3	7.3
RNI percent	0.61	0.62	0.60	0.59	0.57	0.56	0.55	0.53	0.52	0.50	0.49	0.47	0.45	0.43	0.41	0.38
GR percent	1.52	1.51	1.48	1.46	1.43	1.41	1.38	1.36	1.33	1.31	1.28	1.25	1.23	1.20	1.16	1.13
Doubling time	46.0	46.2	47.1	47.9	48.8	49.6	50.5	51.4	52.4	53.4	54.6	55.8	56.9	58.3	59.9	61.7
Annual Births&Deaths																
Births	13,707	13,750	13,785	13,811	13,825	13,826	13,816	13,794	13,758	13,705	13,634	13,547	13,528	13,414	13,287	13,147
Deaths	7,848	7,713	7,813	7,888	7,948	7,999	8,045	8,088	8,131	8,176	8,226	8,281	8,344	8,418	8,504	8,605
Population																
Total population	965,500	980,411	995,256	1,010,051	1,024,800	1,039,498	1,054,139	1,068,714	1,083,209	1,097,606	1,111,880	1,126,012	1,140,060	1,153,921	1,167,566	1,180,970
Male population	482,435	490,230	497,991	505,722	513,424	521,095	528,731	536,326	543,875	551,368	558,793	566,140	573,442	580,645	587,738	594,708
Female population	483,065	490,181	497,265	504,329	511,375	518,403	525,408	532,387	539,334	546,238	553,087	559,871	566,618	573,275	579,828	586,262
Percent 0-4	6.87	6.85	6.82	6.79	6.75	6.71	6.62	6.54	6.45	6.36	6.27	6.17	6.07	5.98	5.88	5.77
Percent 5-14	14.93	14.58	14.25	13.94	13.67	13.45	13.31	13.20	13.11	13.04	12.98	12.90	12.82	12.72	12.62	12.51
Percent 15-49	52.77	52.64	52.48	52.32	52.13	51.92	51.70	51.47	51.23	50.98	50.72	50.47	50.23	49.99	49.76	49.55
Percent 15-64	68.44	68.77	69.07	69.32	69.52	69.65	69.73	69.74	69.71	69.62	69.48	69.32	69.13	68.92	68.70	68.49
Percent 65 and over	9.76	9.80	9.86	9.95	10.06	10.19	10.34	10.52	10.73	10.98	11.27	11.61	11.98	12.38	12.80	13.23
Percent females 15-49	52.08	51.95	51.81	51.65	51.47	51.28	51.07	50.86	50.63	50.40	50.16	49.91	49.67	49.43	49.20	48.98
Sex ratio	99.87	100.01	100.15	100.28	100.40	100.52	100.63	100.74	100.84	100.94	101.03	101.12	101.20	101.29	101.36	101.44
Dependency ratio	0.46	0.45	0.45	0.44	0.44	0.44	0.43	0.43	0.43	0.44	0.44	0.44	0.45	0.45	0.46	0.46
Median age	33	33	34	34	34	34	35	35	35	36	36	36	37	37	37	37
Urban population	463,382	478,833	494,543	510,379	526,542	542,930	559,537	576,250	593,274	610,488	627,768	645,317	663,059	680,813	698,788	716,849
Rural population	502,118	501,578	500,713	499,672	498,258	496,568	494,602	492,463	489,935	487,117	484,113	480,694	477,001	473,107	468,778	464,121
Percent urban	47.99	48.84	49.69	50.53	51.38	52.23	53.08	53.92	54.77	55.62	56.46	57.31	58.16	59.00	59.85	60.70
Percent rural	52.01	51.16	50.31	49.47	48.62	47.77	46.92	46.08	45.23	44.38	43.54	42.69	41.84	41.00	40.15	39.30

Table D.9.b Age groups and sex distribution for every five years from the population projection of 09-Aydın province

Population by Age and Sex - Total							
09-Aydın							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	66,286	34,122	32,164	0-4	69,713	35,635	34,078
5-9	67,963	34,860	33,103	5-9	68,951	35,267	33,684
10-14	76,193	38,927	37,266	10-14	70,878	36,086	34,792
15-19	77,537	39,640	37,897	15-19	78,910	40,311	38,599
20-24	73,444	36,342	37,102	20-24	82,293	42,483	39,810
25-29	77,904	40,172	37,732	25-29	78,318	38,927	39,392
30-34	72,179	36,420	35,759	30-34	81,161	41,504	39,658
35-39	70,490	35,467	35,023	35-39	75,506	38,116	37,390
40-44	68,592	34,883	33,709	40-44	73,026	36,750	36,276
45-49	69,374	34,996	34,378	45-49	70,522	35,822	34,701
50-54	62,657	31,572	31,085	50-54	71,181	35,841	35,340
55-59	49,277	24,677	24,600	55-59	63,946	32,043	31,903
60-64	39,345	18,959	20,386	60-64	49,193	24,572	24,621
65-69	30,623	14,502	16,121	65-69	37,637	18,017	19,620
70-74	26,208	11,963	14,245	70-74	27,181	12,664	14,517
75-79	21,735	9,271	12,464	75-79	20,704	9,248	11,456
80+	15,693	5,662	10,031	80+	20,377	7,809	12,568
TOTAL	965,500	482,435	483,065	TOTAL	1,039,498	521,095	518,403
2018	Total	Male	Female	2023	Total	Male	Female
0-4	69,685	35,653	34,032	0-4	68,166	34,906	33,260
5-9	72,413	36,805	35,608	5-9	72,426	36,850	35,576
10-14	71,884	36,506	35,379	10-14	75,364	38,056	37,308
15-19	73,632	37,496	36,137	15-19	74,668	37,936	36,733
20-24	83,715	43,188	40,527	20-24	78,492	40,411	38,082
25-29	87,210	45,094	42,116	25-29	88,697	45,843	42,854
30-34	81,645	40,305	41,340	30-34	90,598	46,511	44,087
35-39	84,546	43,236	41,309	35-39	85,119	42,096	43,023
40-44	78,128	39,454	38,674	40-44	87,258	44,633	42,625
45-49	75,073	37,769	37,305	45-49	80,308	40,559	39,749
50-54	72,529	36,791	35,738	50-54	77,257	38,859	38,398
55-59	72,533	36,362	36,170	55-59	74,166	37,488	36,678
60-64	63,558	31,762	31,796	60-64	72,223	36,137	36,086
65-69	47,106	23,359	23,747	65-69	60,980	30,266	30,714
70-74	33,686	15,887	17,799	70-74	42,507	20,791	21,717
75-79	21,861	9,991	11,871	75-79	27,489	12,741	14,748
80+	22,674	9,136	13,538	80+	25,249	10,626	14,623
TOTAL	1,111,880	558,793	553,087	TOTAL	1,180,970	594,708	586,262

Table D.10.a Summary table for annual results of the population projection of 10-Balikesir province

10-Balikesir	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	1.80	1.78	1.76	1.74	1.72	1.70	1.68	1.66	1.64	1.62	1.60	1.59	1.57	1.55	1.53	1.51
GRR	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.79	0.78	0.78	0.77	0.76	0.75	0.74
NRR	0.86	0.85	0.84	0.83	0.82	0.82	0.81	0.80	0.79	0.78	0.77	0.77	0.76	0.75	0.74	0.73
Mean A. Childb.	27.4	27.5	27.6	27.7	27.7	27.8	27.9	28.0	28.1	28.1	28.2	28.3	28.4	28.4	28.5	28.6
Child-woman ratio	0.22	0.23	0.23	0.24	0.24	0.25	0.24	0.24	0.24	0.23	0.23	0.23	0.23	0.23	0.22	0.22
Fertility table: Custom																
Mortality																
Male LE	73.6	73.7	74.0	74.4	74.7	75.1	75.4	75.8	76.1	76.5	76.9	77.2	77.6	78.0	78.4	78.8
Female LE	76.4	76.5	76.8	77.0	77.2	77.5	77.7	77.9	78.2	78.4	78.7	78.9	79.2	79.4	79.7	80.0
Total LE	75.0	75.1	75.4	75.7	76.0	76.3	76.6	76.9	77.2	77.5	77.8	78.1	78.4	78.7	79.0	79.4
IMR	13.7	13.0	12.3	11.6	10.9	10.3	9.6	8.9	8.2	7.5	6.8	6.1	5.4	4.7	4.0	3.3
U5MR	15.7	14.9	14.0	13.2	12.4	11.6	10.7	9.9	9.1	8.3	7.4	6.6	5.8	4.9	4.1	3.3
Life table: Coale-Demeny West																
Immigration																
Male immigration	2,922	2,922	2,922	2,922	2,922	2,922	2,922	2,922	2,922	2,922	2,922	2,922	2,922	2,922	2,922	2,922
Female immigration	3,356	3,356	3,356	3,356	3,356	3,356	3,356	3,356	3,356	3,356	3,356	3,356	3,356	3,356	3,356	3,356
Total immigration	6,278	6,278	6,278	6,278	6,278	6,278	6,278	6,278	6,278	6,278	6,278	6,278	6,278	6,278	6,278	6,278
Vital Rates																
CBR per 1000	13.1	12.8	12.6	12.3	12.0	11.8	11.5	11.3	11.0	10.8	10.5	10.4	10.1	9.9	9.7	9.4
CDR per 1000	9.1	8.8	8.9	8.8	8.8	8.8	8.8	8.7	8.7	8.7	8.7	8.7	8.7	8.8	8.8	8.9
RNI percent	0.40	0.40	0.37	0.34	0.32	0.30	0.27	0.25	0.23	0.21	0.18	0.16	0.14	0.11	0.08	0.06
GR percent	0.96	0.95	0.91	0.88	0.85	0.83	0.80	0.77	0.75	0.72	0.69	0.67	0.64	0.61	0.58	0.55
Doubling time	72.8	73.5	76.2	78.8	81.4	84.1	86.9	89.8	92.9	96.3	100.2	103.5	108.2	113.4	119.2	125.7
Annual Births&Deaths																
Births	14,811	14,634	14,456	14,276	14,092	13,905	13,718	13,532	13,343	13,149	12,948	12,817	12,603	12,389	12,171	11,948
Deaths	10,272	10,097	10,204	10,285	10,349	10,403	10,454	10,505	10,560	10,624	10,699	10,786	10,883	10,989	11,103	11,224
Population																
Total population	1,130,276	1,141,194	1,151,826	1,162,196	1,172,316	1,182,196	1,191,836	1,201,237	1,210,394	1,219,293	1,227,914	1,236,315	1,244,405	1,252,173	1,259,609	1,266,700
Male population	564,175	569,622	574,926	580,097	585,141	590,060	594,856	599,528	604,074	608,487	612,759	616,919	620,922	624,763	628,437	631,938
Female population	566,101	571,572	576,900	582,099	587,176	592,135	596,980	601,709	606,320	610,805	615,155	619,396	623,483	627,410	631,172	634,762
Percent 0-4	5.70	5.83	5.94	6.03	6.08	6.12	6.00	5.88	5.76	5.65	5.53	5.43	5.32	5.22	5.11	5.01
Percent 5-14	13.85	13.47	13.09	12.74	12.43	12.16	12.09	12.03	11.99	11.96	11.94	11.96	11.97	11.95	11.92	11.86
Percent 15-49	52.24	51.89	51.54	51.18	50.81	50.41	49.98	49.54	49.08	48.61	48.14	47.61	47.10	46.62	46.16	45.73
Percent 15-64	69.19	69.32	69.46	69.57	69.65	69.67	69.63	69.53	69.38	69.19	68.95	68.62	68.28	67.93	67.58	67.23
Percent 65 and over	11.26	11.38	11.51	11.66	11.84	12.05	12.28	12.56	12.86	13.20	13.58	13.99	14.43	14.90	15.39	15.90
Percent females 15-49	51.59	51.26	50.91	50.55	50.17	49.76	49.34	48.90	48.45	47.99	47.53	47.02	46.53	46.07	45.63	45.22
Sex ratio	99.66	99.66	99.66	99.66	99.65	99.65	99.64	99.64	99.63	99.62	99.61	99.60	99.59	99.58	99.57	99.56
Dependency ratio	0.45	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.45	0.45	0.46	0.46	0.47	0.48	0.49
Median age	35	36	36	37	37	37	38	38	38	39	39	40	40	41	41	41
Urban population	568,209	582,351	596,531	610,734	624,845	639,095	653,364	667,648	681,936	696,216	710,348	724,604	738,803	752,932	766,976	780,921
Rural population	562,067	558,843	555,295	551,462	547,472	543,101	538,471	533,590	528,458	523,077	517,566	511,711	505,602	499,241	492,633	485,779
Percent urban	50.27	51.03	51.79	52.55	53.30	54.06	54.82	55.58	56.34	57.10	57.85	58.61	59.37	60.13	60.89	61.65
Percent rural	49.73	48.97	48.21	47.45	46.70	45.94	45.18	44.42	43.66	42.90	42.15	41.39	40.63	39.87	39.11	38.35

Table D.10.b Age groups and sex distribution for every five years from the population projection of 10-Balıkesir province

Population by Age and Sex - Total							
10-Balıkesir							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	64,398	32,985	31,413	0-4	72,324	37,037	35,287
5-9	72,886	37,516	35,370	5-9	67,676	34,523	33,153
10-14	83,686	43,044	40,642	10-14	76,131	39,021	37,111
15-19	84,157	43,012	41,145	15-19	85,230	44,084	41,146
20-24	85,035	45,077	39,958	20-24	82,027	41,814	40,213
25-29	84,582	43,295	41,287	25-29	81,456	42,267	39,189
30-34	83,162	41,377	41,785	30-34	85,923	43,129	42,794
35-39	84,943	42,111	42,832	35-39	86,984	43,308	43,677
40-44	84,750	42,053	42,697	40-44	87,176	43,457	43,719
45-49	83,859	41,534	42,325	45-49	87,112	43,184	43,928
50-54	76,206	38,288	37,918	50-54	86,272	42,524	43,748
55-59	63,493	31,603	31,890	55-59	77,835	38,931	38,904
60-64	51,869	25,293	26,576	60-64	63,651	31,626	32,025
65-69	43,387	20,478	22,909	65-69	49,884	24,187	25,697
70-74	34,504	15,900	18,604	70-74	38,718	18,004	20,714
75-79	28,042	12,364	15,678	75-79	27,196	12,242	14,954
80+	21,317	8,245	13,072	80+	26,600	10,722	15,878
TOTAL	1,130,276	564,175	566,101	TOTAL	1,182,196	590,060	592,135
2018	Total	Male	Female	2023	Total	Male	Female
0-4	67,959	34,834	33,124	0-4	63,470	32,564	30,906
5-9	75,631	38,596	37,035	5-9	71,311	36,424	34,887
10-14	70,946	36,045	34,901	10-14	78,916	40,128	38,787
15-19	77,717	40,089	37,629	15-19	72,566	37,136	35,430
20-24	83,151	42,921	40,230	20-24	75,699	38,968	36,731
25-29	78,521	39,056	39,464	25-29	79,707	40,204	39,503
30-34	82,878	42,151	40,727	30-34	80,017	38,989	41,029
35-39	89,831	45,111	44,720	35-39	86,887	44,193	42,694
40-44	89,336	44,727	44,609	40-44	92,305	46,605	45,699
45-49	89,702	44,690	45,012	45-49	92,040	46,070	45,970
50-54	89,740	44,311	45,429	50-54	92,575	45,971	46,604
55-59	87,995	43,257	44,738	55-59	91,771	45,238	46,533
60-64	77,787	38,831	38,956	60-64	88,071	43,268	44,803
65-69	61,264	30,254	31,011	65-69	75,042	37,246	37,796
70-74	44,891	21,467	23,424	70-74	55,557	27,086	28,471
75-79	31,021	14,126	16,895	75-79	36,526	17,146	19,380
80+	29,543	12,292	17,250	80+	34,242	14,703	19,539
TOTAL	1,227,914	612,759	615,155	TOTAL	1,266,700	631,938	634,762

Table D.11.a Summary table for annual results of the population projection of 11-Bilecik province

11-Bilecik	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	1.77	1.75	1.72	1.70	1.67	1.65	1.62	1.60	1.57	1.55	1.52	1.50	1.47	1.45	1.42	1.40
GRR	0.86	0.85	0.84	0.83	0.81	0.80	0.79	0.78	0.77	0.76	0.74	0.73	0.72	0.71	0.69	0.68
NRR	0.84	0.83	0.81	0.81	0.79	0.78	0.77	0.76	0.75	0.74	0.73	0.72	0.70	0.69	0.68	0.67
Mean A. Childb.	27.0	27.2	27.3	27.4	27.5	27.6	27.7	27.8	27.9	28.0	28.1	28.2	28.3	28.4	28.5	28.6
Child-woman ratio	0.26	0.26	0.26	0.25	0.25	0.25	0.24	0.24	0.23	0.23	0.22	0.22	0.21	0.21	0.20	0.20
Fertility table: Custom																
Mortality																
Male LE	71.9	71.8	72.0	72.1	72.3	72.4	72.6	72.7	72.9	73.1	73.2	73.4	73.5	73.7	73.9	74.0
Female LE	74.1	74.2	74.5	74.8	75.0	75.2	75.5	75.7	75.9	76.1	76.4	76.6	76.8	77.1	77.3	77.6
Total LE	73.0	73.0	73.2	73.4	73.6	73.8	74.0	74.2	74.4	74.6	74.8	75.0	75.2	75.4	75.6	75.8
IMR	19.1	18.5	17.9	17.3	16.7	16.2	15.8	15.3	14.8	14.3	13.9	13.4	12.9	12.4	12.0	11.5
U5MR	22.3	21.5	20.8	20.0	19.3	18.7	18.1	17.6	17.0	16.4	15.9	15.3	14.7	14.2	13.6	13.0
Life table: Coale-Demeny West																
Immigration																
Male immigration	-277	-277	-277	-277	-277	-277	-277	-277	-277	-277	-277	-277	-277	-277	-277	-277
Female immigration	-310	-310	-310	-310	-310	-310	-310	-310	-310	-310	-310	-310	-310	-310	-310	-310
Total immigration	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587	-587
Vital Rates																
CBR per 1000	13.9	13.6	13.2	12.9	12.5	12.2	11.8	11.5	11.1	10.9	10.5	10.2	9.9	9.6	9.3	9.0
CDR per 1000	9.6	9.5	9.5	9.5	9.4	9.4	9.3	9.3	9.3	9.2	9.2	9.2	9.3	9.3	9.4	9.5
RNI percent	0.43	0.42	0.37	0.34	0.31	0.28	0.25	0.22	0.19	0.16	0.13	0.10	0.06	0.03	-0.01	-0.04
GR percent	0.13	0.11	0.07	0.04	0.01	-0.02	-0.05	-0.08	-0.11	-0.14	-0.18	-0.21	-0.25	-0.28	-0.32	-0.35
Doubling time	533.8	622.0	968.0	1676.7	12413.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Annual Births&Deaths																
Births	2,686	2,631	2,558	2,499	2,424	2,364	2,289	2,228	2,153	2,092	2,018	1,959	1,888	1,832	1,766	1,715
Deaths	1,848	1,828	1,833	1,832	1,826	1,818	1,807	1,797	1,787	1,780	1,777	1,776	1,778	1,783	1,788	1,794
Population																
Total population	193,170	193,382	193,516	193,592	193,599	193,554	193,445	193,285	193,060	192,780	192,431	192,023	191,541	191,000	190,388	189,719
Male population	97,632	97,800	97,928	98,025	98,083	98,113	98,106	98,070	97,997	97,892	97,748	97,569	97,349	97,094	96,798	96,468
Female population	95,538	95,581	95,588	95,567	95,516	95,441	95,339	95,215	95,063	94,888	94,683	94,453	94,192	93,906	93,590	93,251
Percent 0-4	6.81	6.76	6.68	6.58	6.44	6.28	6.12	5.96	5.79	5.63	5.47	5.31	5.15	5.01	4.86	4.72
Percent 5-14	14.45	14.26	14.06	13.88	13.71	13.56	13.41	13.26	13.10	12.92	12.72	12.54	12.33	12.09	11.82	11.53
Percent 15-49	54.34	54.11	53.87	53.62	53.37	53.11	52.85	52.59	52.32	52.05	51.75	51.41	51.07	50.73	50.40	50.10
Percent 15-64	68.13	68.44	68.78	69.14	69.49	69.79	70.06	70.28	70.45	70.59	70.69	70.73	70.74	70.73	70.71	70.66
Percent 65 and over	10.61	10.55	10.47	10.40	10.36	10.36	10.41	10.51	10.66	10.86	11.12	11.42	11.77	12.17	12.61	13.09
Percent females 15-49	53.09	52.88	52.65	52.39	52.14	51.88	51.62	51.35	51.08	50.80	50.50	50.16	49.83	49.50	49.20	48.92
Sex ratio	102.19	102.32	102.45	102.57	102.69	102.80	102.90	103.00	103.09	103.17	103.24	103.30	103.35	103.40	103.43	103.45
Dependency ratio	0.47	0.46	0.45	0.45	0.44	0.43	0.43	0.42	0.42	0.42	0.41	0.41	0.41	0.41	0.41	0.42
Median age	33	33	33	34	34	35	35	35	35	36	37	37	38	39	39	40
Urban population	95,438	97,406	99,351	101,268	103,150	105,003	106,820	108,588	110,334	112,044	113,707	115,329	116,898	118,420	119,868	121,287
Rural population	97,732	95,975	94,165	92,324	90,449	88,551	86,625	84,698	82,726	80,736	78,723	76,694	74,644	72,580	70,520	68,432
Percent urban	49.41	50.37	51.34	52.31	53.28	54.25	55.22	56.18	57.15	58.12	59.09	60.06	61.03	62.00	62.96	63.93
Percent rural	50.59	49.63	48.66	47.69	46.72	45.75	44.78	43.82	42.85	41.88	40.91	39.94	38.97	38.00	37.04	36.07

Table D.11.b Age groups and sex distribution for every five years from the population projection of 11-Bilecik province

Population by Age and Sex - Total 11-Bilecik							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	13,160	6,787	6,373	0-4	12,159	6,167	5,992
5-9	13,648	7,038	6,610	5-9	12,878	6,620	6,258
10-14	14,273	7,342	6,931	10-14	13,368	6,889	6,479
15-19	14,532	7,513	7,019	15-19	13,922	7,149	6,774
20-24	16,294	8,717	7,577	20-24	14,000	7,440	6,560
25-29	16,910	8,841	8,069	25-29	15,621	8,454	7,167
30-34	15,072	7,719	7,353	30-34	16,322	8,286	8,036
35-39	14,865	7,573	7,292	35-39	14,788	7,489	7,300
40-44	13,944	7,090	6,854	40-44	14,578	7,541	7,037
45-49	13,347	6,790	6,557	45-49	13,567	6,927	6,640
50-54	11,296	5,862	5,434	50-54	12,984	6,581	6,403
55-59	8,661	4,345	4,316	55-59	10,992	5,696	5,296
60-64	6,682	3,049	3,633	60-64	8,317	4,154	4,163
65-69	6,564	2,940	3,624	65-69	6,130	2,766	3,365
70-74	5,455	2,425	3,030	70-74	5,580	2,453	3,127
75-79	4,901	2,138	2,763	75-79	4,099	1,778	2,321
80+	3,566	1,463	2,103	80+	4,250	1,723	2,526
TOTAL	193,170	97,632	95,538	TOTAL	193,554	98,113	95,441
2018	Total	Male	Female	2023	Total	Male	Female
0-4	10,521	5,327	5,194	0-4	8,951	4,523	4,428
5-9	11,885	6,004	5,881	5-9	10,256	5,169	5,087
10-14	12,601	6,473	6,128	10-14	11,612	5,859	5,753
15-19	13,023	6,699	6,324	15-19	12,261	6,285	5,976
20-24	13,398	7,080	6,318	20-24	12,506	6,634	5,872
25-29	13,344	7,186	6,157	25-29	12,751	6,832	5,920
30-34	15,048	7,905	7,143	30-34	12,787	6,646	6,141
35-39	16,044	8,058	7,987	35-39	14,788	7,684	7,104
40-44	14,518	7,464	7,054	40-44	15,782	8,036	7,746
45-49	14,215	7,382	6,833	45-49	14,177	7,316	6,861
50-54	13,227	6,728	6,500	50-54	13,891	7,187	6,705
55-59	12,658	6,402	6,256	55-59	12,932	6,561	6,371
60-64	10,555	5,434	5,121	60-64	12,186	6,117	6,070
65-69	7,658	3,776	3,882	65-69	9,757	4,950	4,807
70-74	5,263	2,329	2,933	70-74	6,629	3,202	3,426
75-79	4,250	1,817	2,432	75-79	4,066	1,747	2,319
80+	4,222	1,684	2,538	80+	4,387	1,722	2,665
TOTAL	192,431	97,748	94,683	TOTAL	189,719	96,468	93,251

Table D.12.a Summary table for annual results of the population projection of 12-Bingöl province

12-Bingöl	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	2.74	2.72	2.70	2.67	2.65	2.63	2.60	2.58	2.56	2.54	2.51	2.49	2.47	2.45	2.42	2.40
GRR	1.34	1.33	1.32	1.30	1.29	1.28	1.27	1.26	1.25	1.24	1.22	1.21	1.20	1.20	1.18	1.17
NRR	1.26	1.25	1.24	1.23	1.22	1.21	1.20	1.19	1.18	1.17	1.16	1.15	1.15	1.14	1.12	1.12
Mean A. Childb.	29.1	29.0	29.0	29.0	28.9	28.9	28.9	28.8	28.8	28.8	28.8	28.7	28.7	28.7	28.6	28.6
Child-woman ratio	0.43	0.42	0.41	0.40	0.39	0.39	0.39	0.38	0.38	0.38	0.37	0.37	0.36	0.36	0.36	0.35
Fertility table: Custom																
Mortality																
Male LE	67.9	68.0	68.1	68.2	68.3	68.4	68.5	68.6	68.7	68.8	68.9	69.0	69.1	69.2	69.3	69.4
Female LE	71.2	71.2	71.3	71.4	71.6	71.7	71.8	71.9	72.0	72.1	72.2	72.3	72.4	72.5	72.6	72.7
Total LE	69.5	69.6	69.7	69.8	69.9	70.0	70.1	70.2	70.3	70.4	70.5	70.6	70.7	70.8	70.9	71.0
IMR	37.7	37.3	36.8	36.4	35.9	35.5	35.0	34.6	34.1	33.7	33.2	32.8	32.3	31.9	31.4	31.0
U5MR	43.6	43.0	42.5	41.9	41.4	40.8	40.3	39.7	39.2	38.6	38.1	37.5	37.0	36.4	35.9	35.3
Life table: Coale-Demeny East																
Immigration																
Male immigration	-741	-741	-741	-741	-741	-741	-741	-741	-741	-741	-741	-741	-741	-741	-741	-741
Female immigration	-474	-474	-474	-474	-474	-474	-474	-474	-474	-474	-474	-474	-474	-474	-474	-474
Total immigration	-1,215	-1,215	-1,215	-1,215	-1,215	-1,215	-1,215	-1,215	-1,215	-1,215	-1,215	-1,215	-1,215	-1,215	-1,215	-1,215
Vital Rates																
CBR per 1000	23.0	22.9	22.8	22.6	22.4	22.3	22.0	21.7	21.5	21.2	20.9	20.6	20.3	20.0	19.6	19.3
CDR per 1000	6.7	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.7	6.7	6.8	6.9	6.9
RNI percent	1.63	1.63	1.62	1.60	1.59	1.57	1.54	1.52	1.49	1.46	1.42	1.39	1.36	1.32	1.28	1.24
GR percent	1.15	1.16	1.16	1.14	1.13	1.12	1.10	1.08	1.06	1.03	1.00	0.97	0.94	0.91	0.87	0.83
Doubling time	60.4	60.0	60.2	60.9	61.4	62.2	63.6	64.6	65.9	67.4	69.7	71.7	73.9	76.6	80.4	84.0
Annual Births&Deaths																
Births	5,885	5,933	5,977	5,991	6,018	6,034	6,019	6,020	6,015	6,005	5,964	5,945	5,918	5,883	5,816	5,765
Deaths	1,714	1,705	1,726	1,744	1,761	1,779	1,797	1,817	1,840	1,865	1,893	1,924	1,959	1,995	2,032	2,071
Population																
Total population	256,090	259,090	262,113	265,133	268,163	271,191	274,185	277,160	280,108	283,020	285,864	288,656	291,387	294,048	296,604	299,070
Male population	130,980	132,375	133,779	135,179	136,582	137,982	139,363	140,734	142,090	143,427	144,730	146,007	147,253	148,464	149,622	150,735
Female population	125,110	126,715	128,334	129,954	131,581	133,209	134,821	136,426	138,018	139,593	141,134	142,649	144,134	145,583	146,982	148,335
Percent 0-4	11.17	10.96	10.78	10.63	10.51	10.41	10.34	10.24	10.15	10.05	9.93	9.81	9.69	9.56	9.43	9.29
Percent 5-14	21.31	20.98	20.62	20.26	19.91	19.61	19.34	19.13	18.97	18.84	18.71	18.49	18.30	18.12	17.97	17.82
Percent 15-49	54.52	54.81	55.09	55.34	55.52	55.60	55.60	55.51	55.37	55.17	54.96	54.81	54.61	54.37	54.12	53.85
Percent 15-64	62.46	62.99	63.49	63.97	64.40	64.75	65.04	65.26	65.42	65.56	65.67	65.86	66.02	66.15	66.27	66.39
Percent 65 and over	5.06	5.08	5.10	5.14	5.18	5.23	5.29	5.37	5.46	5.56	5.69	5.83	5.99	6.16	6.33	6.50
Percent females 15-49	53.21	53.56	53.89	54.17	54.38	54.50	54.53	54.49	54.37	54.21	54.01	53.90	53.74	53.55	53.34	53.12
Sex ratio	104.69	104.47	104.24	104.02	103.80	103.58	103.37	103.16	102.95	102.75	102.55	102.35	102.16	101.98	101.80	101.62
Dependency ratio	0.60	0.59	0.58	0.56	0.55	0.54	0.54	0.53	0.53	0.53	0.52	0.52	0.51	0.51	0.51	0.51
Median age	23	23	24	24	25	25	25	26	26	26	27	27	27	28	28	28
Urban population	86,115	89,671	93,312	97,012	100,775	104,598	108,467	112,360	116,329	120,340	124,379	128,452	132,552	136,673	140,768	144,899
Rural population	169,975	169,419	168,801	168,121	167,387	166,592	165,717	164,799	163,779	162,680	161,484	160,204	158,835	157,374	155,836	154,170
Percent urban	33.63	34.61	35.60	36.59	37.58	38.57	39.56	40.54	41.53	42.52	43.51	44.50	45.49	46.48	47.46	48.45
Percent rural	66.37	65.39	64.40	63.41	62.42	61.43	60.44	59.46	58.47	57.48	56.49	55.50	54.51	53.52	52.54	51.55

Table D.12.b Age groups and sex distribution for every five years from the population projection of 12-Bingöl province

Population by Age and Sex - Total 12-Bingöl							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	28,599	14,547	14,052	0-4	28,241	14,390	13,851
5-9	26,672	13,694	12,978	5-9	27,324	13,840	13,484
10-14	27,906	14,135	13,771	10-14	25,848	13,186	12,662
15-19	27,487	13,808	13,679	15-19	27,301	13,625	13,676
20-24	29,078	16,949	12,129	20-24	27,205	13,638	13,567
25-29	24,975	12,710	12,265	25-29	27,566	16,291	11,275
30-34	19,273	9,739	9,534	30-34	22,204	11,114	11,090
35-39	16,197	8,246	7,951	35-39	18,048	8,929	9,120
40-44	12,750	6,584	6,166	40-44	15,853	8,108	7,744
45-49	9,850	5,008	4,842	45-49	12,606	6,481	6,126
50-54	8,474	4,085	4,389	50-54	9,887	4,948	4,939
55-59	6,593	3,049	3,544	55-59	8,464	4,035	4,429
60-64	5,288	2,361	2,927	60-64	6,462	2,951	3,511
65-69	4,412	2,046	2,366	65-69	5,027	2,206	2,821
70-74	3,317	1,675	1,642	70-74	3,962	1,825	2,137
75-79	2,926	1,412	1,514	75-79	2,611	1,297	1,313
80+	2,293	932	1,361	80+	2,580	1,117	1,463
TOTAL	256,090	130,980	125,110	TOTAL	271,191	137,982	133,209
2018	Total	Male	Female	2023	Total	Male	Female
0-4	28,379	14,464	13,916	0-4	27,777	14,158	13,619
5-9	26,981	13,691	13,290	5-9	27,133	13,772	13,361
10-14	26,504	13,335	13,169	10-14	26,165	13,188	12,977
15-19	25,254	12,682	12,572	15-19	25,913	12,833	13,080
20-24	27,028	13,460	13,567	20-24	24,997	12,527	12,470
25-29	25,720	13,009	12,711	25-29	25,554	12,838	12,715
30-34	24,784	14,674	10,110	30-34	22,964	11,421	11,543
35-39	20,966	10,297	10,669	35-39	23,533	13,833	9,700
40-44	17,694	8,788	8,907	40-44	20,594	10,147	10,447
45-49	15,668	7,982	7,686	45-49	17,493	8,655	8,838
50-54	12,580	6,380	6,200	50-54	15,576	7,841	7,734
55-59	9,826	4,859	4,967	55-59	12,420	6,224	6,196
60-64	8,218	3,861	4,356	60-64	9,502	4,626	4,876
65-69	6,093	2,730	3,363	65-69	7,680	3,534	4,146
70-74	4,493	1,961	2,532	70-74	5,402	2,395	3,006
75-79	3,102	1,410	1,692	75-79	3,510	1,513	1,996
80+	2,574	1,148	1,426	80+	2,859	1,228	1,631
TOTAL	285,864	144,730	141,134	TOTAL	299,070	150,735	148,335

Table D.13.a Summary table for annual results of the population projection of 13-Bitlis province

13-Bitlis	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	4.13	4.05	3.98	3.90	3.82	3.74	3.66	3.58	3.50	3.42	3.34	3.26	3.18	3.10	3.03	2.95
GRR	2.01	1.98	1.94	1.90	1.86	1.82	1.79	1.75	1.71	1.67	1.63	1.59	1.55	1.51	1.48	1.44
NRR	1.90	1.86	1.83	1.80	1.76	1.72	1.69	1.65	1.62	1.58	1.55	1.51	1.47	1.44	1.41	1.37
Mean A. Childb.	29.1	29.0	29.0	29.0	28.9	28.9	28.9	28.8	28.8	28.8	28.8	28.7	28.7	28.7	28.6	28.6
Child-woman ratio	0.61	0.60	0.59	0.59	0.57	0.56	0.55	0.54	0.52	0.51	0.50	0.49	0.48	0.47	0.46	0.45
Fertility table: Custom																
Mortality																
Male LE	67.9	68.0	68.1	68.2	68.3	68.4	68.5	68.6	68.7	68.8	68.9	69.0	69.1	69.2	69.3	69.4
Female LE	71.2	71.2	71.3	71.4	71.6	71.7	71.8	71.9	72.0	72.1	72.2	72.3	72.4	72.5	72.6	72.7
Total LE	69.5	69.6	69.7	69.8	69.9	70.0	70.1	70.2	70.3	70.4	70.5	70.6	70.7	70.8	71.0	71.1
IMR	37.7	37.3	36.8	36.4	35.9	35.5	35.0	34.6	34.1	33.7	33.2	32.8	32.3	31.9	31.4	31.0
U5MR	43.6	43.0	42.5	41.9	41.4	40.8	40.3	39.7	39.2	38.6	38.1	37.5	37.0	36.4	35.9	35.3
Life table: Coale-Demeny East																
Immigration																
Male immigration	-5,093	-5,093	-5,093	-5,093	-5,093	-5,093	-5,093	-5,093	-5,093	-5,093	-5,093	-5,093	-5,093	-5,093	-5,093	-5,093
Female immigration	-4,143	-4,143	-4,143	-4,143	-4,143	-4,143	-4,143	-4,143	-4,143	-4,143	-4,143	-4,143	-4,143	-4,143	-4,143	-4,143
Total immigration	-9,236	-9,236	-9,236	-9,236	-9,236	-9,236	-9,236	-9,236	-9,236	-9,236	-9,236	-9,236	-9,236	-9,236	-9,236	-9,236
Vital Rates																
CBR per 1000	30.4	29.9	29.4	28.9	28.4	27.9	27.3	26.8	26.3	25.9	25.4	25.0	24.6	24.2	23.9	23.5
CDR per 1000	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.7	5.7	5.8	5.9	6.0	6.1	6.2	6.4
RNI percent	2.48	2.43	2.38	2.33	2.28	2.22	2.17	2.12	2.07	2.01	1.96	1.91	1.86	1.81	1.76	1.71
GR percent	-0.34	-0.41	-0.47	-0.54	-0.61	-0.68	-0.76	-0.84	-0.92	-1.00	-1.08	-1.17	-1.26	-1.36	-1.45	-1.55
Doubling time	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Annual Births&Deaths																
Births	9,952	9,729	9,532	9,309	9,082	8,852	8,619	8,387	8,158	7,934	7,713	7,495	7,278	7,062	6,866	6,639
Deaths	1,831	1,812	1,808	1,800	1,791	1,781	1,773	1,766	1,762	1,761	1,764	1,769	1,777	1,786	1,795	1,803
Population																
Total population	326,897	325,496	323,902	322,093	320,067	317,820	315,350	312,654	309,734	306,590	303,224	299,633	295,818	291,778	287,533	283,054
Male population	168,494	167,418	166,239	164,947	163,540	162,018	160,379	158,625	156,756	154,774	152,679	150,471	148,153	145,722	143,189	140,540
Female population	158,403	158,078	157,662	157,146	156,527	155,803	154,970	154,029	152,978	151,817	150,545	149,161	147,665	146,056	144,344	142,514
Percent 0-4	14.02	13.92	13.82	13.71	13.58	13.43	13.20	12.97	12.74	12.52	12.30	12.09	11.89	11.70	11.52	11.34
Percent 5-14	26.82	26.60	26.33	26.01	25.68	25.35	25.09	24.84	24.60	24.35	24.11	23.89	23.65	23.40	23.13	22.85
Percent 15-49	48.73	48.81	48.95	49.13	49.33	49.54	49.74	49.93	50.09	50.21	50.28	50.27	50.22	50.15	50.08	50.04
Percent 15-64	55.51	55.75	56.05	56.40	56.77	57.14	57.49	57.83	58.14	58.44	58.71	58.94	59.17	59.39	59.62	59.85
Percent 65 and over	3.65	3.72	3.80	3.88	3.98	4.09	4.22	4.36	4.52	4.69	4.88	5.08	5.29	5.51	5.73	5.96
Percent females 15-49	47.44	47.57	47.76	48.00	48.28	48.58	48.88	49.18	49.46	49.70	49.88	49.97	50.01	50.02	50.04	50.07
Sex ratio	106.37	105.91	105.44	104.96	104.48	103.99	103.49	102.98	102.47	101.95	101.42	100.88	100.33	99.77	99.20	98.61
Dependency ratio	0.80	0.79	0.78	0.77	0.76	0.75	0.74	0.73	0.72	0.71	0.70	0.70	0.69	0.68	0.68	0.67
Median age	19	19	19	19	20	20	20	20	21	21	21	21	22	22	22	23
Urban population	99,381	100,220	101,025	101,717	102,325	102,847	103,277	103,645	103,885	104,026	104,066	104,002	103,862	103,581	103,196	102,692
Rural population	227,516	225,276	222,877	220,376	217,741	214,974	212,073	209,009	205,849	202,564	199,157	195,630	191,956	188,197	184,338	180,362
Percent urban	30.40	30.79	31.19	31.58	31.97	32.36	32.75	33.15	33.54	33.93	34.32	34.71	35.11	35.50	35.89	36.28
Percent rural	69.60	69.21	68.81	68.42	68.03	67.64	67.25	66.85	66.46	66.07	65.68	65.29	64.89	64.50	64.11	63.72

Table D.13.b Age groups and sex distribution for every five years from the population projection of 13-Bitlis province

Population by Age and Sex - Total							
13-Bitlis							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	45,827	23,707	22,120	0-4	42,673	21,749	20,924
5-9	45,228	23,208	22,020	5-9	40,873	21,024	19,849
10-14	42,453	21,895	20,558	10-14	39,691	20,253	19,439
15-19	36,305	18,717	17,588	15-19	37,072	18,888	18,184
20-24	31,547	17,189	14,358	20-24	29,686	15,009	14,677
25-29	28,012	14,331	13,681	25-29	24,528	13,317	11,211
30-34	20,494	10,705	9,789	30-34	22,354	11,274	11,080
35-39	17,993	9,613	8,380	35-39	16,796	8,668	8,128
40-44	13,735	7,535	6,200	40-44	15,331	8,113	7,219
45-49	11,211	6,064	5,147	45-49	11,682	6,490	5,192
50-54	9,381	4,594	4,787	50-54	9,559	5,159	4,400
55-59	7,293	3,326	3,967	55-59	8,146	3,809	4,337
60-64	5,484	2,380	3,104	60-64	6,432	2,724	3,708
65-69	4,462	2,046	2,416	65-69	4,848	2,003	2,846
70-74	2,831	1,371	1,460	70-74	3,752	1,667	2,085
75-79	2,541	1,154	1,387	75-79	2,112	994	1,118
80+	2,100	659	1,441	80+	2,284	877	1,407
TOTAL	326,897	168,494	158,403	TOTAL	317,820	162,018	155,803
2018	Total	Male	Female	2023	Total	Male	Female
0-4	37,297	19,003	18,294	0-4	32,106	16,350	15,756
5-9	37,757	19,088	18,669	5-9	32,424	16,364	16,060
10-14	35,352	18,077	17,275	10-14	32,249	16,149	16,100
15-19	34,326	17,256	17,070	15-19	30,006	15,092	14,914
20-24	30,460	15,185	15,275	20-24	27,735	13,566	14,169
25-29	22,691	11,158	11,533	25-29	23,471	11,339	12,132
30-34	18,900	10,273	8,627	30-34	17,085	8,134	8,951
35-39	18,651	9,237	9,414	35-39	15,230	8,250	6,981
40-44	14,158	7,185	6,973	40-44	16,004	7,753	8,252
45-49	13,262	7,062	6,201	45-49	12,120	6,158	5,963
50-54	10,027	5,578	4,449	50-54	11,578	6,137	5,441
55-59	8,317	4,349	3,968	55-59	8,775	4,754	4,021
60-64	7,237	3,172	4,065	60-64	7,396	3,675	3,720
65-69	5,715	2,310	3,405	65-69	6,449	2,709	3,739
70-74	4,095	1,638	2,458	70-74	4,840	1,894	2,946
75-79	2,799	1,206	1,592	75-79	3,072	1,192	1,880
80+	2,178	900	1,278	80+	2,514	1,024	1,490
TOTAL	303,224	152,679	150,545	TOTAL	283,054	140,540	142,514

Table D.14.a Summary table for annual results of the population projection of 14-Bolu province

14-Bolu	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	1.72	1.70	1.68	1.66	1.64	1.61	1.59	1.57	1.55	1.53	1.51	1.49	1.46	1.44	1.42	1.40
GRR	0.84	0.83	0.82	0.81	0.80	0.79	0.78	0.77	0.76	0.75	0.74	0.73	0.71	0.70	0.69	0.68
NRR	0.81	0.80	0.80	0.79	0.78	0.77	0.76	0.75	0.74	0.73	0.72	0.71	0.70	0.69	0.68	0.67
Mean A. Childb.	27.0	27.2	27.3	27.4	27.5	27.6	27.7	27.8	27.9	28.0	28.1	28.2	28.3	28.4	28.5	28.6
Child-woman ratio	0.25	0.25	0.25	0.25	0.25	0.24	0.23	0.22	0.21	0.21	0.20	0.19	0.18	0.18	0.17	0.16
Fertility table: Custom																
Mortality																
Male LE	71.9	71.8	72.0	72.1	72.3	72.4	72.6	72.7	72.9	73.1	73.2	73.4	73.5	73.7	73.9	74.0
Female LE	74.1	74.2	74.5	74.8	75.0	75.2	75.5	75.7	75.9	76.1	76.4	76.6	76.8	77.1	77.3	77.6
Total LE	73.0	73.0	73.2	73.4	73.6	73.8	74.0	74.2	74.4	74.6	74.8	75.0	75.2	75.4	75.6	75.8
IMR	19.1	18.5	17.9	17.3	16.7	16.2	15.8	15.3	14.8	14.3	13.9	13.4	12.9	12.4	12.0	11.5
U5MR	22.3	21.5	20.8	20.0	19.3	18.7	18.1	17.6	17.0	16.4	15.9	15.3	14.7	14.2	13.6	13.0
Life table: Coale-Demeny West																
Immigration																
Male immigration	-420	-420	-420	-420	-420	-420	-420	-420	-420	-420	-420	-420	-420	-420	-420	-420
Female immigration	-563	-563	-563	-563	-563	-563	-563	-563	-563	-563	-563	-563	-563	-563	-563	-563
Total immigration	-983	-983	-983	-983	-983	-983	-983	-983	-983	-983	-983	-983	-983	-983	-983	-983
Vital Rates																
CBR per 1000	13.7	13.1	12.6	12.0	11.4	10.8	10.2	9.7	9.2	8.7	8.2	7.7	7.2	6.8	6.5	6.2
CDR per 1000	10.4	10.3	10.4	10.5	10.5	10.5	10.5	10.6	10.6	10.7	10.8	11.0	11.2	11.4	11.6	11.9
RNI percent	0.33	0.28	0.22	0.15	0.09	0.03	-0.03	-0.09	-0.15	-0.21	-0.27	-0.33	-0.40	-0.46	-0.52	-0.57
GR percent	-0.04	-0.08	-0.15	-0.22	-0.28	-0.34	-0.40	-0.46	-0.52	-0.58	-0.65	-0.71	-0.78	-0.84	-0.91	-0.97
Doubling time	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Annual Births&Deaths																
Births	3,687	3,531	3,370	3,208	3,046	2,868	2,711	2,556	2,405	2,259	2,119	1,986	1,848	1,733	1,627	1,532
Deaths	2,800	2,770	2,792	2,801	2,801	2,795	2,792	2,788	2,788	2,795	2,810	2,832	2,859	2,891	2,923	2,957
Population																
Total population	268,879	268,670	268,277	267,712	266,986	266,087	265,035	263,831	262,476	260,968	259,305	257,487	255,503	253,372	251,103	248,705
Male population	134,056	134,092	134,033	133,884	133,649	133,322	132,912	132,419	131,845	131,188	130,448	129,625	128,714	127,726	126,663	125,531
Female population	134,823	134,578	134,244	133,828	133,337	132,765	132,123	131,412	130,631	129,780	128,857	127,862	126,789	125,647	124,440	123,175
Percent 0-4	6.48	6.47	6.41	6.29	6.12	5.89	5.61	5.34	5.07	4.80	4.55	4.31	4.07	3.85	3.63	3.44
Percent 5-14	13.98	13.81	13.64	13.47	13.32	13.22	13.16	13.08	12.97	12.81	12.59	12.35	12.07	11.73	11.33	10.88
Percent 15-49	53.15	52.66	52.21	51.77	51.33	50.88	50.41	49.94	49.46	48.96	48.46	47.91	47.34	46.78	46.23	45.69
Percent 15-64	68.28	68.34	68.46	68.60	68.72	68.81	68.84	68.84	68.81	68.78	68.74	68.68	68.62	68.57	68.52	68.49
Percent 65 and over	11.26	11.38	11.50	11.64	11.83	12.08	12.38	12.74	13.15	13.61	14.12	14.66	15.24	15.86	16.51	17.19
Percent females 15-49	52.04	51.49	50.95	50.41	49.87	49.31	48.74	48.15	47.55	46.93	46.28	45.57	44.84	44.10	43.37	42.65
Sex ratio	99.43	99.64	99.84	100.04	100.23	100.42	100.60	100.77	100.93	101.09	101.23	101.38	101.52	101.65	101.79	101.91
Dependency ratio	0.46	0.46	0.46	0.46	0.46	0.45	0.45	0.45	0.45	0.45	0.45	0.46	0.46	0.46	0.46	0.46
Median age	33	34	34	35	35	36	37	38	38	39	40	41	41	42	43	44
Urban population	142,634	146,801	150,879	154,818	158,643	162,340	165,938	169,380	172,683	175,840	178,869	181,708	184,371	186,862	189,206	191,354
Rural population	126,245	121,869	117,398	112,894	108,343	103,747	99,096	94,452	89,793	85,128	80,437	75,778	71,132	66,510	61,897	57,351
Percent urban	53.05	54.64	56.24	57.83	59.42	61.01	62.61	64.20	65.79	67.38	68.98	70.57	72.16	73.75	75.35	76.94
Percent rural	46.95	45.36	43.76	42.17	40.58	38.99	37.39	35.80	34.21	32.62	31.02	29.43	27.84	26.25	24.65	23.06

Table D.14.b Age groups and sex distribution for every five years from the population projection of 14-Bolu province

Population by Age and Sex - Total							
14-Bolu							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	17,424	8,986	8,438	0-4	15,669	7,959	7,710
5-9	18,080	9,245	8,835	5-9	17,272	8,848	8,423
10-14	19,496	9,926	9,570	10-14	17,918	9,143	8,775
15-19	19,548	10,070	9,478	15-19	19,828	10,295	9,533
20-24	24,672	13,336	11,336	20-24	16,309	9,209	7,101
25-29	22,615	11,484	11,131	25-29	20,078	11,429	8,650
30-34	20,727	10,498	10,229	30-34	21,318	10,547	10,770
35-39	19,859	9,874	9,985	35-39	20,003	9,916	10,086
40-44	18,005	8,916	9,089	40-44	19,624	9,625	9,999
45-49	17,478	8,558	8,920	45-49	18,226	8,894	9,332
50-54	16,040	7,932	8,108	50-54	17,720	8,562	9,158
55-59	13,681	6,658	7,023	55-59	16,201	7,934	8,267
60-64	10,978	5,156	5,822	60-64	13,783	6,661	7,122
65-69	9,839	4,451	5,388	65-69	10,735	5,004	5,731
70-74	7,411	3,416	3,995	70-74	8,805	3,937	4,868
75-79	7,450	3,299	4,151	75-79	5,799	2,610	3,189
80+	5,576	2,251	3,325	80+	6,799	2,747	4,052
TOTAL	268,879	134,056	134,823	TOTAL	266,087	133,322	132,765
2018	Total	Male	Female	2023	Total	Male	Female
0-4	11,802	5,979	5,824	0-4	8,551	4,315	4,236
5-9	15,531	7,828	7,702	5-9	11,677	5,855	5,822
10-14	17,114	8,749	8,366	10-14	15,378	7,732	7,647
15-19	18,258	9,517	8,742	15-19	17,461	9,125	8,335
20-24	16,597	9,437	7,160	20-24	15,039	8,665	6,373
25-29	11,755	7,324	4,431	25-29	12,049	7,556	4,493
30-34	18,803	10,498	8,305	30-34	10,516	6,414	4,103
35-39	20,607	9,972	10,635	35-39	18,116	9,929	8,187
40-44	19,788	9,676	10,112	40-44	20,410	9,740	10,670
45-49	19,854	9,606	10,248	45-49	20,045	9,668	10,377
50-54	18,491	8,907	9,584	50-54	20,131	9,622	10,510
55-59	17,876	8,561	9,315	55-59	18,679	8,917	9,762
60-64	16,225	7,880	8,345	60-64	17,891	8,497	9,394
65-69	13,360	6,382	6,978	65-69	15,683	7,512	8,171
70-74	9,647	4,430	5,217	70-74	12,002	5,624	6,378
75-79	6,952	3,027	3,925	75-79	7,692	3,429	4,264
80+	6,643	2,676	3,967	80+	7,384	2,931	4,453
TOTAL	259,305	130,448	128,857	TOTAL	248,705	125,531	123,175

Table D.15.a Summary table for annual results of the population projection of 15-Burdur province

15-Burdur	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	1.82	1.80	1.77	1.75	1.73	1.70	1.68	1.66	1.63	1.61	1.58	1.56	1.54	1.51	1.49	1.47
GRR	0.89	0.88	0.86	0.85	0.84	0.83	0.82	0.81	0.80	0.79	0.77	0.76	0.75	0.74	0.73	0.72
NRR	0.84	0.83	0.82	0.81	0.80	0.79	0.78	0.77	0.76	0.75	0.74	0.73	0.72	0.71	0.70	0.69
Mean A. Childb.	27.1	27.2	27.3	27.4	27.5	27.6	27.7	27.8	27.9	28.0	28.1	28.2	28.3	28.4	28.5	28.6
Child-woman ratio	0.26	0.26	0.26	0.26	0.25	0.25	0.24	0.23	0.22	0.22	0.21	0.20	0.20	0.19	0.19	0.18
Fertility table: Custom																
Mortality																
Male LE	69.1	69.1	69.2	69.3	69.5	69.6	69.7	69.9	70.0	70.1	70.3	70.4	70.5	70.7	70.8	71.0
Female LE	71.3	71.4	71.5	71.6	71.7	71.9	72.0	72.1	72.3	72.4	72.5	72.7	72.8	72.9	73.1	73.2
Total LE	70.2	70.2	70.4	70.5	70.6	70.8	70.9	71.0	71.2	71.3	71.4	71.6	71.7	71.8	72.0	72.1
IMR	28.3	27.9	27.4	26.9	26.5	26.0	25.5	25.1	24.6	24.2	23.7	23.2	22.8	22.3	21.8	21.4
U5MR	34.3	33.7	33.1	32.5	31.9	31.3	30.7	30.1	29.5	28.8	28.2	27.6	27.0	26.4	25.8	25.2
Life table: Coale-Demeny West																
Immigration																
Male immigration	-261	-261	-261	-261	-261	-261	-261	-261	-261	-261	-261	-261	-261	-261	-261	-261
Female immigration	-91	-91	-91	-91	-91	-91	-91	-91	-91	-91	-91	-91	-91	-91	-91	-91
Total immigration	-352	-352	-352	-352	-352	-352	-352	-352	-352	-352	-352	-352	-352	-352	-352	-352
Vital Rates																
CBR per 1000	13.0	12.6	12.0	11.6	11.1	10.5	10.1	9.6	9.2	8.8	8.4	8.1	7.8	7.5	7.2	7.0
CDR per 1000	12.7	12.6	12.7	12.7	12.8	12.8	12.8	12.9	12.9	13.0	13.0	13.1	13.3	13.4	13.6	13.8
RNI percent	0.04	0.00	-0.07	-0.12	-0.17	-0.23	-0.27	-0.32	-0.37	-0.42	-0.47	-0.51	-0.55	-0.60	-0.64	-0.68
GR percent	-0.11	-0.15	-0.21	-0.26	-0.31	-0.37	-0.42	-0.47	-0.52	-0.56	-0.61	-0.66	-0.70	-0.75	-0.79	-0.83
Doubling time	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Annual Births&Deaths																
Births	3,226	3,109	2,969	2,843	2,716	2,575	2,452	2,335	2,211	2,107	1,998	1,908	1,825	1,740	1,674	1,614
Deaths	3,138	3,119	3,132	3,136	3,133	3,127	3,121	3,116	3,111	3,109	3,109	3,114	3,122	3,136	3,155	3,181
Population																
Total population	247,435	247,106	246,624	246,012	245,276	244,404	243,416	242,317	241,097	239,776	238,345	236,819	235,203	233,487	231,686	229,800
Male population	121,979	121,832	121,603	121,305	120,938	120,498	119,993	119,427	118,796	118,110	117,364	116,568	115,724	114,827	113,884	112,896
Female population	125,456	125,274	125,021	124,707	124,338	123,907	123,423	122,889	122,301	121,666	120,981	120,251	119,479	118,661	117,802	116,903
Percent 0-4	6.39	6.43	6.40	6.31	6.15	5.92	5.68	5.46	5.23	5.02	4.81	4.62	4.45	4.28	4.14	4.01
Percent 5-14	14.31	14.21	14.10	14.01	13.94	13.93	13.91	13.86	13.79	13.68	13.53	13.39	13.18	12.90	12.57	12.17
Percent 15-49	50.59	50.07	49.59	49.15	48.72	48.30	47.88	47.48	47.08	46.69	46.30	45.85	45.43	45.02	44.65	44.30
Percent 15-64	66.93	67.00	67.12	67.25	67.38	67.50	67.60	67.67	67.72	67.75	67.74	67.65	67.55	67.45	67.36	67.29
Percent 65 and over	12.36	12.35	12.38	12.44	12.53	12.66	12.82	13.01	13.25	13.55	13.91	14.34	14.83	15.36	15.94	16.54
Percent females 15-49	49.41	48.91	48.45	48.03	47.64	47.26	46.90	46.54	46.20	45.84	45.48	45.07	44.66	44.28	43.93	43.61
Sex ratio	97.23	97.25	97.27	97.27	97.27	97.25	97.22	97.18	97.13	97.08	97.01	96.94	96.86	96.77	96.67	96.57
Dependency ratio	0.49	0.49	0.49	0.49	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.49
Median age	35	36	36	37	37	38	38	39	39	40	40	41	42	42	43	44
Urban population	102,024	103,142	104,199	105,195	106,156	107,025	107,833	108,582	109,265	109,889	110,449	110,950	111,392	111,770	112,090	112,349
Rural population	145,411	143,964	142,425	140,817	139,121	137,380	135,583	133,735	131,832	129,887	127,896	125,869	123,811	121,717	119,596	117,451
Percent urban	41.23	41.74	42.25	42.76	43.28	43.79	44.30	44.81	45.32	45.83	46.34	46.85	47.36	47.87	48.38	48.89
Percent rural	58.77	58.26	57.75	57.24	56.72	56.21	55.70	55.19	54.68	54.17	53.66	53.15	52.64	52.13	51.62	51.11

Table D.15.b Age groups and sex distribution for every five years from the population projection of 15-Burdur province

Population by Age and Sex - Total 15-Burdur							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	15,814	8,082	7,732	0-4	14,461	7,393	7,068
5-9	16,999	8,729	8,270	5-9	16,541	8,484	8,057
10-14	18,419	9,353	9,066	10-14	17,498	8,956	8,542
15-19	17,749	8,992	8,757	15-19	19,143	9,682	9,461
20-24	18,650	9,474	9,176	20-24	12,897	6,750	6,148
25-29	17,935	9,199	8,736	25-29	13,435	6,737	6,698
30-34	17,640	8,992	8,648	30-34	18,548	9,103	9,445
35-39	17,830	8,875	8,955	35-39	18,373	9,265	9,108
40-44	17,584	8,880	8,704	40-44	18,102	9,049	9,053
45-49	17,801	8,791	9,010	45-49	17,540	8,892	8,648
50-54	16,315	7,946	8,369	50-54	17,768	8,696	9,072
55-59	13,126	6,396	6,730	55-59	16,296	7,828	8,467
60-64	10,981	4,963	6,018	60-64	12,864	6,243	6,622
65-69	8,946	3,963	4,983	65-69	10,268	4,559	5,709
70-74	8,465	3,884	4,581	70-74	7,742	3,363	4,379
75-79	7,593	3,302	4,291	75-79	6,395	2,902	3,493
80+	5,588	2,158	3,430	80+	6,533	2,594	3,939
TOTAL	247,435	121,979	125,456	TOTAL	244,404	120,498	123,907
2018	Total	Male	Female	2023	Total	Male	Female
0-4	11,472	5,865	5,607	0-4	9,217	4,712	4,505
5-9	15,207	7,806	7,401	5-9	12,239	6,288	5,951
10-14	17,044	8,713	8,331	10-14	15,717	8,039	7,679
15-19	18,230	9,289	8,941	15-19	17,784	9,051	8,733
20-24	14,293	7,441	6,852	20-24	13,391	7,054	6,337
25-29	7,724	4,034	3,690	25-29	9,118	4,724	4,393
30-34	14,087	6,663	7,425	30-34	8,418	3,980	4,438
35-39	19,288	9,382	9,905	35-39	14,871	6,965	7,906
40-44	18,656	9,444	9,212	40-44	19,578	9,569	10,009
45-49	18,070	9,070	9,000	45-49	18,636	9,469	9,166
50-54	17,538	8,808	8,730	50-54	18,081	8,996	9,086
55-59	17,715	8,558	9,157	55-59	17,524	8,682	8,842
60-64	15,860	7,581	8,278	60-64	17,223	8,275	8,948
65-69	11,982	5,704	6,278	65-69	14,718	6,906	7,812
70-74	8,890	3,872	5,018	70-74	10,359	4,829	5,530
75-79	5,924	2,553	3,371	75-79	6,821	2,942	3,879
80+	6,365	2,581	3,784	80+	6,106	2,415	3,691
TOTAL	238,345	117,364	120,981	TOTAL	229,800	112,896	116,903

Table D.16.b Age groups and sex distribution for every five years from the population projection of 16-Bursa province

Population by Age and Sex - Total 16-Bursa							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	190,768	98,023	92,745	0-4	208,948	106,729	102,219
5-9	191,754	99,077	92,677	5-9	205,650	105,503	100,148
10-14	202,894	104,262	98,632	10-14	209,555	108,335	101,221
15-19	198,973	101,791	97,182	15-19	223,991	114,500	109,490
20-24	201,442	95,441	106,001	20-24	232,451	116,351	116,100
25-29	238,926	120,713	118,213	25-29	232,499	109,401	123,098
30-34	217,853	110,693	107,160	30-34	256,091	129,779	126,312
35-39	201,853	101,943	99,910	35-39	229,194	116,822	112,372
40-44	181,846	91,727	90,119	40-44	209,442	105,656	103,787
45-49	165,472	83,366	82,106	45-49	186,307	93,915	92,393
50-54	143,744	72,648	71,096	50-54	166,506	83,770	82,736
55-59	112,342	56,265	56,077	55-59	140,983	70,740	70,243
60-64	82,476	39,551	42,925	60-64	107,510	53,160	54,351
65-69	63,539	29,605	33,934	65-69	76,467	36,053	40,415
70-74	47,899	21,465	26,434	70-74	55,239	25,183	30,056
75-79	38,542	16,371	22,171	75-79	37,383	16,220	21,163
80+	27,642	10,211	17,431	80+	35,719	13,820	21,899
TOTAL	2,507,965	1,253,152	1,254,813	TOTAL	2,813,935	1,405,935	1,408,000
2018	Total	Male	Female	2023	Total	Male	Female
0-4	215,750	110,307	105,442	0-4	220,246	112,710	107,536
5-9	223,922	114,276	109,647	5-9	230,844	117,936	112,907
10-14	223,495	114,793	108,703	10-14	241,816	123,601	118,215
15-19	230,734	118,629	112,105	15-19	244,759	125,147	119,613
20-24	257,568	129,131	128,438	20-24	264,458	133,360	131,098
25-29	263,617	130,373	133,243	25-29	288,903	143,267	145,636
30-34	249,894	118,627	131,268	30-34	281,190	139,705	141,485
35-39	267,576	136,009	131,567	35-39	261,672	125,047	136,625
40-44	236,979	120,665	116,314	40-44	275,605	140,023	135,583
45-49	214,095	107,985	106,110	45-49	241,942	123,204	118,738
50-54	187,578	94,491	93,087	50-54	215,660	108,778	106,882
55-59	163,819	81,944	81,875	55-59	185,206	92,884	92,321
60-64	135,638	67,334	68,303	60-64	158,521	78,595	79,925
65-69	100,389	48,928	51,461	65-69	127,629	62,582	65,047
70-74	67,304	31,129	36,176	70-74	89,379	42,846	46,533
75-79	43,870	19,438	24,432	75-79	54,379	24,539	29,839
80+	40,153	16,051	24,103	80+	47,551	19,743	27,808
TOTAL	3,122,382	1,560,109	1,562,274	TOTAL	3,429,760	1,713,967	1,715,793

Table D.17.a Summary table for annual results of the population projection of 17-Çanakkale province

17-Çanakkale	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	1.53	1.52	1.51	1.50	1.49	1.48	1.48	1.47	1.46	1.45	1.44	1.43	1.43	1.42	1.41	1.40
GRR	0.75	0.74	0.74	0.73	0.73	0.72	0.72	0.72	0.71	0.71	0.70	0.70	0.70	0.69	0.69	0.68
NRR	0.73	0.73	0.72	0.72	0.71	0.71	0.71	0.71	0.70	0.70	0.69	0.69	0.69	0.69	0.68	0.68
Mean A. Childb.	27.4	27.5	27.6	27.7	27.7	27.8	27.9	28.0	28.1	28.1	28.2	28.3	28.4	28.4	28.5	28.6
Child-woman ratio	0.21	0.21	0.22	0.22	0.22	0.22	0.22	0.21	0.21	0.21	0.21	0.20	0.20	0.20	0.20	0.20
Fertility table: Custom																
Mortality																
Male LE	73.6	73.7	74.0	74.4	74.7	75.1	75.4	75.8	76.1	76.5	76.9	77.2	77.6	78.0	78.4	78.8
Female LE	76.4	76.5	76.8	77.0	77.2	77.5	77.7	77.9	78.2	78.4	78.7	78.9	79.2	79.4	79.7	80.0
Total LE	75.0	75.1	75.4	75.7	75.9	76.2	76.5	76.8	77.1	77.4	77.7	78.1	78.4	78.7	79.0	79.4
IMR	13.7	13.0	12.3	11.6	10.9	10.3	9.6	8.9	8.2	7.5	6.8	6.1	5.4	4.7	4.0	3.3
U5MR	15.7	14.9	14.0	13.2	12.4	11.6	10.7	9.9	9.1	8.3	7.4	6.6	5.8	4.9	4.1	3.3
Life table: Coale-Demeny West																
Immigration																
Male immigration	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150	1,150
Female immigration	994	994	994	994	994	994	994	994	994	994	994	994	994	994	994	994
Total immigration	2,144	2,144	2,144	2,144	2,144	2,144	2,144	2,144	2,144	2,144	2,144	2,144	2,144	2,144	2,144	2,144
Vital Rates																
CBR per 1000	11.2	11.0	10.7	10.5	10.3	10.0	9.9	9.6	9.4	9.2	8.9	8.7	8.6	8.4	8.2	8.0
CDR per 1000	9.8	9.6	9.6	9.5	9.5	9.4	9.3	9.3	9.2	9.2	9.2	9.1	9.1	9.2	9.2	9.2
RNI percent	0.13	0.13	0.11	0.10	0.08	0.06	0.05	0.03	0.02	0.00	-0.02	-0.04	-0.06	-0.08	-0.10	-0.12
GR percent	0.59	0.58	0.56	0.54	0.52	0.50	0.49	0.47	0.45	0.43	0.41	0.38	0.37	0.34	0.32	0.30
Doubling time	118.7	119.2	124.0	128.7	133.5	138.5	142.1	148.0	154.6	162.2	170.8	180.8	189.2	201.9	216.5	233.2
Annual Births&Deaths																
Births	5,302	5,230	5,153	5,071	4,985	4,897	4,839	4,745	4,650	4,555	4,460	4,366	4,306	4,218	4,135	4,057
Deaths	4,665	4,588	4,603	4,606	4,601	4,593	4,583	4,575	4,569	4,569	4,574	4,585	4,603	4,626	4,654	4,688
Population																
Total population	474,791	477,621	480,358	483,009	485,579	488,070	490,511	492,868	495,134	497,305	499,377	501,343	503,230	505,007	506,672	508,225
Male population	242,471	244,041	245,567	247,052	248,496	249,901	251,280	252,614	253,902	255,141	256,329	257,462	258,556	259,593	260,574	261,498
Female population	232,320	233,580	234,791	235,957	237,083	238,169	239,232	240,253	241,231	242,164	243,048	243,880	244,674	245,414	246,098	246,727
Percent 0-4	5.29	5.35	5.38	5.38	5.36	5.30	5.20	5.10	5.00	4.89	4.79	4.68	4.58	4.48	4.39	4.30
Percent 5-14	12.13	11.89	11.65	11.41	11.22	11.08	11.02	10.97	10.94	10.90	10.83	10.80	10.74	10.66	10.55	10.41
Percent 15-49	53.28	52.93	52.60	52.28	51.94	51.57	51.18	50.77	50.35	49.94	49.55	49.13	48.73	48.35	47.99	47.66
Percent 15-64	70.61	70.72	70.85	70.97	71.04	71.04	70.97	70.83	70.64	70.43	70.21	69.93	69.64	69.36	69.08	68.81
Percent 65 and over	11.97	12.04	12.12	12.24	12.39	12.58	12.82	13.10	13.42	13.78	14.17	14.59	15.03	15.50	15.99	16.48
Percent females 15-49	51.51	51.15	50.79	50.41	50.02	49.61	49.19	48.77	48.34	47.92	47.48	47.03	46.57	46.13	45.72	45.34
Sex ratio	104.37	104.48	104.59	104.70	104.81	104.93	105.04	105.15	105.25	105.36	105.46	105.57	105.67	105.78	105.88	105.99
Dependency ratio	0.42	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.42	0.42	0.42	0.43	0.44	0.44	0.45	0.45
Median age	36	36	37	37	37	38	38	38	38	39	39	40	40	41	41	42
Urban population	183,117	188,374	193,632	198,903	204,186	209,480	214,795	220,115	225,434	230,750	236,055	241,346	246,633	251,898	257,136	262,346
Rural population	291,674	289,247	286,725	284,106	281,393	278,590	275,716	272,753	269,699	266,556	263,321	259,996	256,597	253,110	249,536	245,879
Percent urban	38.57	39.44	40.31	41.18	42.05	42.92	43.79	44.66	45.53	46.40	47.27	48.14	49.01	49.88	50.75	51.62
Percent rural	61.43	60.56	59.69	58.82	57.95	57.08	56.21	55.34	54.47	53.60	52.73	51.86	50.99	50.12	49.25	48.38

Table D.17.b Age groups and sex distribution for every five years from the population projection of 17-Çanakkale province

Population by Age and Sex - Total							
17-Çanakkale							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	25,140	12,910	12,230	0-4	25,883	13,244	12,639
5-9	27,002	13,942	13,060	5-9	26,278	13,406	12,873
10-14	30,571	15,769	14,802	10-14	27,782	14,239	13,544
15-19	31,885	16,411	15,474	15-19	31,929	16,316	15,613
20-24	43,998	26,505	17,493	20-24	31,697	16,955	14,742
25-29	37,577	19,690	17,887	25-29	43,154	26,715	16,438
30-34	34,770	17,892	16,878	30-34	38,447	19,866	18,581
35-39	34,887	17,450	17,437	35-39	35,678	18,148	17,530
40-44	34,980	17,824	17,156	40-44	35,463	17,633	17,831
45-49	34,863	17,514	17,349	45-49	35,335	17,903	17,432
50-54	32,377	16,328	16,049	50-54	35,191	17,534	17,657
55-59	27,813	14,134	13,679	55-59	32,491	16,233	16,259
60-64	22,092	10,780	11,312	60-64	27,346	13,785	13,561
65-69	18,203	8,486	9,717	65-69	20,923	10,140	10,783
70-74	15,086	6,921	8,165	70-74	16,133	7,419	8,714
75-79	12,996	5,701	7,295	75-79	11,785	5,267	6,518
80+	10,551	4,214	6,337	80+	12,553	5,098	7,456
TOTAL	474,791	242,471	232,320	TOTAL	488,070	249,901	238,169
2018	Total	Male	Female	2023	Total	Male	Female
0-4	23,909	12,244	11,664	0-4	21,841	11,195	10,646
5-9	27,036	13,749	13,287	5-9	25,078	12,760	12,317
10-14	27,067	13,708	13,359	10-14	27,831	14,056	13,775
15-19	29,156	14,796	14,360	15-19	28,453	14,274	14,179
20-24	31,762	16,876	14,887	20-24	29,012	15,371	13,641
25-29	30,912	17,212	13,700	25-29	31,002	17,150	13,852
30-34	44,046	26,899	17,147	30-34	31,857	17,434	14,423
35-39	39,385	20,141	19,244	35-39	45,020	27,192	17,828
40-44	36,303	18,360	17,944	40-44	40,055	20,383	19,672
45-49	35,891	17,761	18,130	45-49	36,803	18,531	18,271
50-54	35,764	17,985	17,779	50-54	36,424	17,914	18,510
55-59	35,379	17,494	17,886	55-59	36,093	18,030	18,063
60-64	32,002	15,884	16,118	60-64	34,988	17,214	17,773
65-69	25,980	13,002	12,977	65-69	30,574	15,083	15,491
70-74	18,717	8,957	9,760	70-74	23,433	11,587	11,845
75-79	12,835	5,768	7,067	75-79	15,139	7,103	8,036
80+	13,232	5,492	7,740	80+	14,624	6,221	8,403
TOTAL	499,377	256,329	243,048	TOTAL	508,225	261,498	246,727

Table D.18.a Summary table for annual results of the population projection of 18-Çankırı province

18-Çankırı	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	1.94	1.94	1.94	1.93	1.93	1.93	1.93	1.92	1.92	1.92	1.91	1.91	1.91	1.91	1.90	1.90
GRR	0.95	0.95	0.95	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.93	0.93	0.93	0.93	0.93	0.93
NRR	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.91	0.92	0.92	0.91	0.91	0.91	0.91	0.91	0.91
Mean A. Childb.	27.0	27.2	27.3	27.4	27.5	27.6	27.7	27.8	27.9	28.0	28.1	28.2	28.3	28.4	28.5	28.6
Child-woman ratio	0.29	0.29	0.28	0.28	0.28	0.27	0.27	0.27	0.27	0.26	0.26	0.26	0.26	0.26	0.26	0.25
Fertility table: Custom																
Mortality																
Male LE	71.9	71.8	72.0	72.1	72.3	72.4	72.6	72.7	72.9	73.1	73.2	73.4	73.5	73.7	73.9	74.0
Female LE	74.1	74.2	74.5	74.8	75.0	75.2	75.5	75.7	75.9	76.1	76.4	76.6	76.8	77.1	77.3	77.6
Total LE	73.0	73.0	73.2	73.4	73.7	73.8	74.0	74.2	74.4	74.6	74.8	75.0	75.2	75.4	75.6	75.8
IMR	19.1	18.5	17.9	17.3	16.7	16.2	15.8	15.3	14.8	14.3	13.9	13.4	12.9	12.4	12.0	11.5
U5MR	22.3	21.5	20.8	20.0	19.3	18.7	18.1	17.6	17.0	16.4	15.9	15.3	14.7	14.2	13.6	13.0
Life table: Coale-Demeny West																
Immigration																
Male immigration	562	562	562	562	562	562	562	562	562	562	562	562	562	562	562	562
Female immigration	506	506	506	506	506	506	506	506	506	506	506	506	506	506	506	506
Total immigration	1,068	1,068	1,068	1,068	1,068	1,068	1,068	1,068	1,068	1,068	1,068	1,068	1,068	1,068	1,068	1,068
Vital Rates																
CBR per 1000	13.8	13.5	13.3	12.9	12.6	12.3	12.0	11.7	11.4	11.1	10.7	10.4	10.1	9.8	9.4	9.1
CDR per 1000	11.6	11.4	11.6	11.8	11.9	12.0	12.1	12.2	12.3	12.5	12.6	12.8	13.1	13.3	13.6	13.9
RNI percent	0.22	0.21	0.16	0.11	0.07	0.03	-0.01	-0.05	-0.09	-0.14	-0.19	-0.24	-0.30	-0.35	-0.42	-0.47
GR percent	0.83	0.81	0.76	0.71	0.66	0.62	0.58	0.53	0.48	0.43	0.38	0.32	0.27	0.21	0.15	0.09
Doubling time	84.4	85.5	91.4	98.4	105.1	112.3	120.8	132.1	144.2	159.9	183.5	213.9	258.3	328.3	466.6	762.5
Annual Births&Deaths																
Births	2,433	2,403	2,372	2,327	2,291	2,252	2,210	2,156	2,111	2,065	2,005	1,954	1,902	1,849	1,785	1,731
Deaths	2,048	2,027	2,078	2,121	2,158	2,189	2,221	2,252	2,285	2,323	2,365	2,413	2,464	2,518	2,572	2,627
Population																
Total population	176,092	177,558	178,941	180,235	181,456	182,606	183,683	184,673	185,586	186,414	187,140	187,766	188,289	188,704	189,001	189,188
Male population	87,912	88,696	89,436	90,130	90,785	91,400	91,974	92,500	92,982	93,417	93,795	94,118	94,382	94,588	94,728	94,807
Female population	88,180	88,862	89,504	90,105	90,671	91,207	91,709	92,173	92,604	92,997	93,345	93,649	93,906	94,116	94,273	94,381
Percent 0-4	6.98	6.82	6.67	6.50	6.33	6.15	6.02	5.87	5.73	5.59	5.44	5.29	5.15	5.00	4.85	4.70
Percent 5-14	14.74	14.17	13.65	13.17	12.74	12.36	11.97	11.63	11.33	11.06	10.84	10.61	10.38	10.14	9.89	9.62
Percent 15-49	49.41	49.01	48.56	48.06	47.51	46.90	46.24	45.52	44.75	43.95	43.11	42.28	41.47	40.68	39.92	39.19
Percent 15-64	65.02	65.52	65.99	66.41	66.76	67.02	67.18	67.23	67.18	67.03	66.79	66.49	66.14	65.75	65.33	64.90
Percent 65 and over	13.26	13.48	13.69	13.91	14.17	14.47	14.84	15.27	15.76	16.31	16.93	17.61	18.34	19.11	19.93	20.78
Percent females 15-49	48.06	47.63	47.13	46.59	46.00	45.35	44.66	43.92	43.13	42.29	41.43	40.55	39.70	38.86	38.05	37.26
Sex ratio	99.70	99.81	99.92	100.03	100.12	100.21	100.29	100.35	100.41	100.45	100.48	100.50	100.51	100.50	100.48	100.45
Dependency ratio	0.54	0.53	0.52	0.51	0.50	0.49	0.49	0.49	0.49	0.49	0.50	0.50	0.51	0.52	0.53	0.54
Median age	33	34	35	36	37	38	39	40	41	42	43	44	45	46	46	47
Urban population	67,590	70,490	73,419	76,329	79,242	82,173	85,082	87,978	90,863	93,748	96,583	99,385	102,147	104,882	107,541	110,145
Rural population	108,502	107,067	105,521	103,905	102,214	100,433	98,601	96,695	94,723	92,666	90,557	88,382	86,142	83,822	81,459	79,043
Percent urban	38.38	39.70	41.03	42.35	43.67	45.00	46.32	47.64	48.96	50.29	51.61	52.93	54.25	55.58	56.90	58.22
Percent rural	61.62	60.30	58.97	57.65	56.33	55.00	53.68	52.36	51.04	49.71	48.39	47.07	45.75	44.42	43.10	41.78

Table D.18.b Age groups and sex distribution for every five years from the population projection of 18-Çankırı province

Population by Age and Sex - Total							
18-Çankırı							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	12,284	6,308	5,976	0-4	11,232	5,782	5,450
5-9	12,534	6,357	6,177	5-9	11,289	5,743	5,546
10-14	13,422	6,851	6,571	10-14	11,273	5,571	5,701
15-19	14,155	7,327	6,828	15-19	12,378	6,358	6,019
20-24	14,057	7,696	6,361	20-24	12,410	6,645	5,765
25-29	13,296	6,989	6,307	25-29	12,809	7,114	5,696
30-34	11,945	5,920	6,025	30-34	12,855	6,729	6,126
35-39	11,688	5,860	5,828	35-39	11,406	5,743	5,664
40-44	11,239	5,604	5,635	40-44	11,630	5,780	5,850
45-49	10,632	5,233	5,399	45-49	12,161	5,915	6,246
50-54	10,246	5,049	5,197	50-54	12,725	6,218	6,507
55-59	9,166	4,341	4,825	55-59	12,949	6,354	6,595
60-64	8,071	3,703	4,368	60-64	11,061	5,311	5,750
65-69	7,899	3,659	4,240	65-69	8,881	4,190	4,691
70-74	6,000	2,772	3,228	70-74	7,555	3,531	4,024
75-79	5,627	2,594	3,033	75-79	4,906	2,261	2,646
80+	3,831	1,649	2,182	80+	5,086	2,155	2,931
TOTAL	176,092	87,912	88,180	TOTAL	182,606	91,400	91,207
2018	Total	Male	Female	2023	Total	Male	Female
0-4	10,183	5,243	4,939	0-4	8,900	4,586	4,314
5-9	10,246	5,221	5,025	5-9	9,203	4,685	4,517
10-14	10,032	4,959	5,072	10-14	8,991	4,439	4,552
15-19	10,236	5,083	5,153	15-19	9,000	4,474	4,526
20-24	10,644	5,683	4,961	20-24	8,512	4,414	4,098
25-29	11,176	6,071	5,105	25-29	9,420	5,115	4,305
30-34	12,378	6,857	5,521	30-34	10,757	5,822	4,936
35-39	12,321	6,552	5,770	35-39	11,856	6,683	5,172
40-44	11,363	5,669	5,694	40-44	12,284	6,478	5,806
45-49	12,565	6,096	6,469	45-49	12,318	5,994	6,324
50-54	14,249	6,895	7,354	50-54	14,673	7,084	7,588
55-59	15,381	7,492	7,889	55-59	16,903	8,163	8,740
60-64	14,683	7,213	7,470	60-64	17,054	8,307	8,748
65-69	11,664	5,657	6,007	65-69	15,054	7,399	7,655
70-74	8,457	3,999	4,458	70-74	10,940	5,267	5,673
75-79	6,159	2,848	3,311	75-79	6,933	3,227	3,706
80+	5,404	2,257	3,147	80+	6,390	2,670	3,720
TOTAL	187,140	93,795	93,345	TOTAL	189,188	94,807	94,381

Table D.19.a Summary table for annual results of the population projection of 19-Çorum province

19-Çorum	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	
Fertility																	
Input TFR	2.31	2.29	2.26	2.24	2.21	2.18	2.16	2.13	2.11	2.08	2.05	2.03	2	1.98	1.95	1.92	
GRR	1.13	1.12	1.1	1.09	1.08	1.06	1.05	1.04	1.03	1.01	1	0.99	0.98	0.97	0.95	0.94	
NRR	1.09	1.08	1.07	1.06	1.05	1.04	1.03	1.01	1.01	0.99	0.98	0.97	0.96	0.95	0.93	0.92	
Mean A. Childb.	27	27.2	27.3	27.4	27.5	27.6	27.7	27.8	27.9	28	28.1	28.2	28.3	28.4	28.5	28.6	
Child-woman ratio	0.29	0.3	0.31	0.31	0.32	0.32	0.32	0.31	0.3	0.3	0.29	0.29	0.28	0.28	0.27	0.27	
Fertility table: Custom																	
Mortality																	
Male LE	71.9	71.8	72	72.1	72.3	72.4	72.6	72.7	72.9	73.1	73.2	73.4	73.5	73.7	73.9	74	
Female LE	74.1	74.2	74.5	74.8	75	75.2	75.5	75.7	75.9	76.1	76.4	76.6	76.8	77.1	77.3	77.6	
Total LE	73	73	73.3	73.5	73.7	73.9	74	74.2	74.4	74.6	74.8	75	75.2	75.4	75.6	75.8	
IMR	19.1	18.5	17.9	17.3	16.7	16.2	15.8	15.3	14.8	14.3	13.9	13.4	12.9	12.4	12	11.5	
U5MR	22.3	21.5	20.8	20	19.3	18.7	18.1	17.6	17	16.4	15.9	15.3	14.7	14.2	13.6	13	
Life table: Coale-Demeny West																	
Immigration																	
Male immigration	-4,136	-4,136	-4,136	-4,136	-4,136	-4,136	-4,136	-4,136	-4,136	-4,136	-4,136	-4,136	-4,136	-4,136	-4,136	-4,136	-4,136
Female immigration	-4,108	-4,108	-4,108	-4,108	-4,108	-4,108	-4,108	-4,108	-4,108	-4,108	-4,108	-4,108	-4,108	-4,108	-4,108	-4,108	-4,108
Total immigration	-8,244	-8,244	-8,244	-8,244	-8,244	-8,244	-8,244	-8,244	-8,244	-8,244	-8,244	-8,244	-8,244	-8,244	-8,244	-8,244	-8,244
Vital Rates																	
CBR per 1000	17.6	17.3	16.9	16.5	16.1	15.7	15.3	14.8	14.4	14.0	13.5	13.0	12.5	12.1	11.6	11.1	
CDR per 1000	9.6	9.5	9.7	9.7	9.8	9.8	9.9	10.0	10.0	10.1	10.2	10.4	10.6	10.8	11.0	11.3	
RNI percent	0.81	0.78	0.72	0.68	0.63	0.58	0.54	0.49	0.44	0.38	0.32	0.27	0.20	0.13	0.06	-0.02	
GR percent	-0.71	-0.75	-0.81	-0.87	-0.93	-1.00	-1.06	-1.13	-1.19	-1.27	-1.35	-1.44	-1.53	-1.62	-1.73	-1.84	
Doubling time	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Annual Births&Deaths																	
Births	9,609	9,356	9,058	8,795	8,485	8,169	7,886	7,565	7,278	6,952	6,621	6,318	5,984	5,682	5,353	5,025	
Deaths	5,213	5,155	5,185	5,186	5,167	5,138	5,112	5,081	5,054	5,036	5,030	5,034	5,044	5,060	5,077	5,094	
Population																	
Total population	545,443	541,322	536,874	532,162	527,159	521,868	516,322	510,486	504,389	497,985	491,257	484,222	476,842	469,146	461,103	452,715	
Male population	270,106	268,139	265,992	263,701	261,256	258,660	255,928	253,046	250,029	246,852	243,507	240,001	236,315	232,464	228,432	224,221	
Female population	275,337	273,183	270,882	268,461	265,903	263,209	260,394	257,439	254,360	251,133	247,751	244,221	240,527	236,682	232,671	228,494	
Percent 0-4	7.40	7.54	7.66	7.76	7.83	7.88	7.69	7.49	7.29	7.09	6.88	6.66	6.44	6.22	5.99	5.75	
Percent 5-14	16.65	16.13	15.62	15.13	14.69	14.29	14.17	14.08	14.03	14.00	13.98	13.99	13.97	13.92	13.84	13.73	
Percent 15-49	50.67	50.50	50.30	50.07	49.80	49.48	49.12	48.71	48.24	47.70	47.10	46.42	45.71	44.98	44.25	43.52	
Percent 15-64	65.31	65.54	65.78	65.99	66.15	66.26	66.29	66.25	66.13	65.96	65.76	65.50	65.25	65.00	64.73	64.45	
Percent 65 and over	10.63	10.79	10.95	11.12	11.33	11.57	11.85	12.18	12.55	12.95	13.38	13.85	14.34	14.87	15.44	16.06	
Percent females 15-49	50.21	49.99	49.73	49.42	49.09	48.73	48.35	47.95	47.49	46.99	46.41	45.74	45.03	44.29	43.55	42.82	
Sex ratio	98.10	98.15	98.19	98.23	98.25	98.27	98.29	98.29	98.30	98.30	98.29	98.27	98.25	98.22	98.18	98.13	
Dependency ratio	0.53	0.53	0.52	0.52	0.51	0.51	0.51	0.51	0.51	0.52	0.52	0.53	0.53	0.54	0.54	0.55	
Median age	31	32	32	33	33	34	34	34	35	36	36	37	38	39	40	41	
Urban population	308,634	314,129	319,333	324,193	328,789	333,056	337,003	340,596	343,842	346,648	349,087	351,109	352,673	353,783	354,403	354,476	
Rural population	236,809	227,193	217,541	207,969	198,370	188,812	179,319	169,890	160,547	151,338	142,170	133,113	124,170	115,363	106,699	98,239	
Percent urban	56.58	58.03	59.48	60.92	62.37	63.82	65.27	66.72	68.17	69.61	71.06	72.51	73.96	75.41	76.86	78.30	
Percent rural	43.42	41.97	40.52	39.08	37.63	36.18	34.73	33.28	31.83	30.39	28.94	27.49	26.04	24.59	23.14	21.70	

Table D.19.b Age groups and sex distribution for every five years from the population projection of 19-Çorum province

Population by Age and Sex - Total							
19-Çorum							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	40,357	20,782	19,575	0-4	41,112	21,083	20,029
5-9	42,933	21,844	21,089	5-9	36,247	18,489	17,758
10-14	47,904	24,546	23,358	10-14	38,333	19,217	19,116
15-19	47,552	24,066	23,486	15-19	41,708	21,740	19,968
20-24	41,144	20,132	21,012	20-24	39,631	20,369	19,262
25-29	42,909	21,770	21,139	25-29	34,188	16,328	17,860
30-34	38,991	19,358	19,633	30-34	38,214	18,979	19,235
35-39	37,935	18,901	19,034	35-39	36,141	17,995	18,145
40-44	34,480	17,513	16,967	40-44	35,583	17,964	17,620
45-49	33,391	16,402	16,989	45-49	32,772	16,598	16,174
50-54	30,029	14,796	15,233	50-54	32,369	15,860	16,509
55-59	27,057	12,845	14,212	55-59	29,342	14,492	14,849
60-64	22,767	10,528	12,239	60-64	25,855	12,283	13,572
65-69	19,841	9,307	10,534	65-69	20,790	9,529	11,261
70-74	14,980	6,966	8,014	70-74	16,817	7,728	9,089
75-79	14,038	6,858	7,180	75-79	11,192	5,045	6,147
80+	9,135	3,492	5,643	80+	11,574	4,961	6,613
TOTAL	545,443	270,106	275,337	TOTAL	521,868	258,660	263,209
2018	Total	Male	Female	2023	Total	Male	Female
0-4	33,786	17,328	16,458	0-4	26,041	13,364	12,677
5-9	37,022	18,798	18,224	5-9	29,726	15,059	14,666
10-14	31,665	15,871	15,794	10-14	32,444	16,182	16,262
15-19	32,167	16,428	15,739	15-19	25,518	13,094	12,424
20-24	33,821	18,059	15,761	20-24	24,318	12,772	11,545
25-29	32,700	16,573	16,127	25-29	26,924	14,281	12,643
30-34	29,552	13,570	15,982	30-34	28,088	13,823	14,265
35-39	35,397	17,630	17,768	35-39	26,799	12,257	14,542
40-44	33,841	17,081	16,760	40-44	33,137	16,733	16,404
45-49	33,913	17,065	16,848	45-49	32,239	16,214	16,024
50-54	31,829	16,082	15,747	50-54	33,019	16,570	16,449
55-59	31,694	15,553	16,140	55-59	31,260	15,809	15,450
60-64	28,120	13,871	14,249	60-64	30,480	14,920	15,560
65-69	23,736	11,158	12,578	65-69	25,953	12,650	13,303
70-74	17,791	7,973	9,818	70-74	20,496	9,408	11,088
75-79	12,759	5,671	7,088	75-79	13,693	5,914	7,779
80+	11,464	4,795	6,669	80+	12,583	5,170	7,412
TOTAL	491,257	243,507	247,751	TOTAL	452,715	224,221	228,494

Table D.20.a Summary table for annual results of the population projection of 20-Denizli province

20-Denizli	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	1.92	1.9	1.88	1.86	1.85	1.83	1.81	1.79	1.77	1.75	1.73	1.71	1.69	1.67	1.65	1.63
GRR	0.94	0.93	0.92	0.91	0.9	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.81	0.8	0.8
NRR	0.92	0.91	0.9	0.89	0.89	0.88	0.87	0.86	0.85	0.84	0.83	0.82	0.82	0.81	0.8	0.79
Mean A. Childb.	27.4	27.5	27.6	27.7	27.7	27.8	27.9	28	28.1	28.1	28.2	28.3	28.4	28.4	28.5	28.6
Child-woman ratio	0.28	0.28	0.28	0.28	0.28	0.27	0.27	0.27	0.26	0.26	0.25	0.25	0.25	0.24	0.24	0.23
Fertility table: Custom																
Mortality																
Male LE	73.6	73.7	74	74.4	74.7	75.1	75.4	75.8	76.1	76.5	76.9	77.2	77.6	78	78.4	78.8
Female LE	76.4	76.5	76.8	77	77.2	77.5	77.7	77.9	78.2	78.4	78.7	78.9	79.2	79.4	79.7	80
Total LE	75	75.1	75.4	75.7	76	76.3	76.6	76.9	77.2	77.5	77.8	78.1	78.4	78.7	79	79.4
IMR	13.7	13	12.3	11.6	10.9	10.3	9.6	8.9	8.2	7.5	6.8	6.1	5.4	4.7	4	3.3
U5MR	15.7	14.9	14	13.2	12.4	11.6	10.7	9.9	9.1	8.3	7.4	6.6	5.8	4.9	4.1	3.3
Life table: Coale-Demeny West																
Immigration																
Male immigration	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
Female immigration	561	561	561	561	561	561	561	561	561	561	561	561	561	561	561	561
Total immigration	601	601	601	601	601	601	601	601	601	601	601	601	601	601	601	601
Vital Rates																
CBR per 1000	15.8	15.5	15.2	14.9	14.6	14.3	14.0	13.7	13.4	13.1	12.8	12.5	12.3	12.0	11.8	11.6
CDR per 1000	7.1	6.9	6.9	6.9	6.8	6.8	6.7	6.7	6.6	6.6	6.5	6.5	6.5	6.5	6.5	6.5
RNI percent	0.87	0.86	0.83	0.80	0.78	0.75	0.73	0.70	0.68	0.65	0.63	0.60	0.58	0.56	0.53	0.51
GR percent	0.93	0.92	0.89	0.86	0.84	0.82	0.79	0.76	0.74	0.71	0.69	0.66	0.64	0.61	0.59	0.57
Doubling time	74.5	75.5	78.1	80.7	82.7	85.3	88.1	91.0	94.1	97.5	101.0	104.8	108.9	113.2	117.9	123.0
Annual Births&Deaths																
Births	14,521	14,374	14,206	14,024	13,911	13,722	13,532	13,339	13,144	12,947	12,752	12,561	12,375	12,197	12,024	11,856
Deaths	6,544	6,425	6,472	6,495	6,505	6,505	6,503	6,498	6,495	6,495	6,502	6,516	6,537	6,567	6,608	6,659
Population																
Total population	917,834	926,391	934,733	942,870	950,884	958,709	966,346	973,795	981,052	988,112	994,970	1,001,624	1,008,071	1,014,309	1,020,333	1,026,139
Male population	458,786	463,056	467,223	471,288	475,291	479,199	483,011	486,727	490,346	493,864	497,280	500,592	503,799	506,901	509,896	512,781
Female population	459,048	463,334	467,510	471,582	475,593	479,510	483,335	487,068	490,706	494,248	497,690	501,032	504,271	507,408	510,438	513,358
Percent 0-4	7.63	7.59	7.53	7.46	7.37	7.27	7.13	6.99	6.86	6.72	6.58	6.44	6.31	6.18	6.06	5.95
Percent 5-14	15.67	15.49	15.30	15.09	14.90	14.74	14.64	14.55	14.46	14.36	14.24	14.10	13.94	13.76	13.57	13.37
Percent 15-49	54.61	54.42	54.24	54.06	53.85	53.62	53.36	53.08	52.79	52.50	52.22	51.97	51.71	51.46	51.20	50.93
Percent 15-64	68.28	68.46	68.67	68.87	69.05	69.18	69.27	69.32	69.34	69.35	69.35	69.35	69.34	69.33	69.29	69.25
Percent 65 and over	8.42	8.46	8.51	8.58	8.68	8.80	8.96	9.14	9.35	9.58	9.83	10.11	10.41	10.73	11.07	11.44
Percent females 15-49	53.91	53.77	53.63	53.49	53.33	53.14	52.92	52.67	52.42	52.17	51.93	51.69	51.47	51.24	51.00	50.76
Sex ratio	99.94	99.94	99.94	99.94	99.94	99.93	99.93	99.93	99.93	99.92	99.92	99.91	99.91	99.90	99.89	99.89
Dependency ratio	0.46	0.46	0.46	0.45	0.45	0.45	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
Median age	31	32	32	32	33	33	33	34	34	35	35	35	36	36	36	37
Urban population	479,381	495,341	511,392	527,536	543,811	560,174	576,619	593,139	609,724	626,265	642,950	659,670	676,415	693,178	709,948	726,711
Rural population	438,453	431,050	423,341	415,334	407,074	398,535	389,727	380,656	371,328	361,847	352,020	341,954	331,655	321,130	310,385	299,427
Percent urban	52.23	53.47	54.71	55.95	57.19	58.43	59.67	60.91	62.15	63.38	64.62	65.86	67.10	68.34	69.58	70.82
Percent rural	47.77	46.53	45.29	44.05	42.81	41.57	40.33	39.09	37.85	36.62	35.38	34.14	32.90	31.66	30.42	29.18

Table D.20.b Age groups and sex distribution for every five years from the population projection of 20-Denizli province

Population by Age and Sex - Total							
20-Denizli							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	70,042	36,062	33,980	0-4	69,669	35,691	33,979
5-9	69,980	35,865	34,115	5-9	70,624	36,377	34,247
10-14	73,816	37,841	35,975	10-14	70,730	36,330	34,401
15-19	69,736	35,718	34,018	15-19	74,185	38,106	36,079
20-24	72,898	35,515	37,383	20-24	70,030	35,691	34,339
25-29	82,693	42,294	40,399	25-29	73,122	35,127	37,996
30-34	76,757	39,272	37,485	30-34	82,795	41,815	40,979
35-39	70,704	36,066	34,638	35-39	77,162	39,355	37,807
40-44	66,952	34,009	32,943	40-44	70,565	35,860	34,705
45-49	61,485	30,890	30,595	45-49	66,237	33,349	32,889
50-54	51,550	26,122	25,428	50-54	60,241	30,236	30,005
55-59	41,773	20,877	20,896	55-59	49,452	25,016	24,437
60-64	32,176	14,932	17,244	60-64	39,486	19,454	20,032
65-69	25,104	11,400	13,704	65-69	29,674	13,528	16,146
70-74	21,226	9,425	11,801	70-74	21,831	9,712	12,119
75-79	18,228	7,739	10,489	75-79	16,464	7,137	9,327
80+	12,714	4,759	7,955	80+	16,441	6,417	10,024
TOTAL	917,834	458,786	459,048	TOTAL	958,709	479,199	479,510
2018	Total	Male	Female	2023	Total	Male	Female
0-4	65,445	33,560	31,886	0-4	61,013	31,318	29,695
5-9	70,294	36,035	34,259	5-9	66,113	33,932	32,181
10-14	71,393	36,855	34,538	10-14	71,082	36,525	34,557
15-19	71,133	36,617	34,516	15-19	71,825	37,162	34,663
20-24	74,518	38,106	36,412	20-24	71,515	36,651	34,864
25-29	70,315	35,339	34,976	25-29	74,853	37,787	37,066
30-34	73,316	34,708	38,607	30-34	70,576	34,959	35,617
35-39	83,268	41,944	41,324	35-39	73,892	34,901	38,991
40-44	77,102	39,201	37,900	40-44	83,304	41,854	41,450
45-49	69,966	35,275	34,691	45-49	76,620	38,694	37,926
50-54	65,116	32,776	32,339	50-54	69,011	34,811	34,199
55-59	58,157	29,156	29,002	55-59	63,192	31,800	31,391
60-64	47,094	23,542	23,552	60-64	55,794	27,694	28,100
65-69	36,707	17,821	18,885	65-69	44,159	21,801	22,358
70-74	26,131	11,698	14,433	70-74	32,678	15,622	17,056
75-79	17,261	7,517	9,744	75-79	21,041	9,247	11,795
80+	17,755	7,131	10,625	80+	19,471	8,021	11,450
TOTAL	994,970	497,280	497,690	TOTAL	1,026,139	512,781	513,358

Table D.21.a Summary table for annual results of the population projection of 21-Diyarbakır province

21-Diyarbakır	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	3.64	3.56	3.48	3.40	3.32	3.25	3.17	3.09	3.01	2.93	2.85	2.77	2.69	2.61	2.53	2.45
GRR	1.78	1.74	1.70	1.66	1.62	1.59	1.55	1.51	1.47	1.43	1.39	1.35	1.31	1.27	1.23	1.20
NRR	1.69	1.65	1.62	1.58	1.54	1.51	1.48	1.44	1.41	1.37	1.33	1.30	1.26	1.22	1.19	1.15
Mean A. Childb.	29.4	29.3	29.3	29.2	29.2	29.1	29.1	29.0	29.0	28.9	28.9	28.8	28.8	28.7	28.7	28.6
Child-woman ratio	0.52	0.51	0.51	0.50	0.50	0.50	0.48	0.47	0.46	0.45	0.44	0.43	0.42	0.41	0.40	0.39
Fertility table: Custom																
Mortality																
Male LE	69.2	69.4	69.5	69.6	69.7	69.8	69.9	70.0	70.2	70.3	70.4	70.5	70.6	70.7	70.8	70.9
Female LE	72.6	72.6	72.7	72.9	73.0	73.1	73.2	73.3	73.4	73.6	73.7	73.8	73.9	74.0	74.2	74.3
Total LE	70.9	71.0	71.1	71.2	71.3	71.4	71.5	71.7	71.8	71.9	72.0	72.1	72.2	72.3	72.4	72.5
IMR	31.7	31.2	30.7	30.2	29.7	29.3	28.8	28.3	27.8	27.3	26.9	26.5	26.0	25.6	25.2	24.8
U5MR	36.2	35.6	35.0	34.4	33.8	33.2	32.7	32.0	31.4	30.8	30.3	29.8	29.3	28.8	28.3	27.8
Life table: Coale-Demeny East																
Immigration																
Male immigration	-7,735	-7,735	-7,735	-7,735	-7,735	-7,735	-7,735	-7,735	-7,735	-7,735	-7,735	-7,735	-7,735	-7,735	-7,735	-7,735
Female immigration	-8,365	-8,365	-8,365	-8,365	-8,365	-8,365	-8,365	-8,365	-8,365	-8,365	-8,365	-8,365	-8,365	-8,365	-8,365	-8,365
Total immigration	-16,100	-16,100	-16,100	-16,100	-16,100	-16,100	-16,100	-16,100	-16,100	-16,100	-16,100	-16,100	-16,100	-16,100	-16,100	-16,100
Vital Rates																
CBR per 1000	29.1	28.7	28.2	27.7	27.1	26.6	26.1	25.5	24.8	24.2	23.6	22.9	22.3	21.6	20.9	20.2
CDR per 1000	5.0	4.9	4.9	4.9	4.9	4.8	4.8	4.8	4.7	4.7	4.7	4.7	4.8	4.8	4.8	4.9
RNI percent	2.41	2.37	2.33	2.28	2.23	2.18	2.13	2.07	2.01	1.95	1.89	1.82	1.75	1.68	1.61	1.54
GR percent	1.33	1.31	1.27	1.24	1.20	1.17	1.12	1.08	1.03	0.98	0.92	0.87	0.81	0.74	0.68	0.61
Doubling time	52.4	53.4	54.7	56.3	58.0	59.6	62.0	64.7	67.8	71.3	75.5	80.4	86.3	93.5	102.5	114.0
Annual Births&Deaths																
Births	43,484	43,336	43,148	42,901	42,580	42,311	41,843	41,313	40,728	40,094	39,409	38,672	37,878	37,019	36,086	35,080
Deaths	7,522	7,458	7,532	7,581	7,615	7,651	7,691	7,727	7,772	7,826	7,901	7,989	8,083	8,187	8,296	8,409
Population																
Total population	1,492,830	1,512,426	1,531,760	1,550,799	1,569,483	1,587,863	1,605,734	1,623,040	1,639,716	1,655,704	1,670,933	1,685,338	1,698,855	1,711,408	1,722,921	1,733,314
Male population	757,498	768,063	778,485	788,746	798,815	808,720	818,355	827,691	836,698	845,346	853,597	861,419	868,778	875,637	881,953	887,690
Female population	735,332	744,363	753,275	762,053	770,668	779,143	787,380	795,349	803,017	810,358	817,336	823,919	830,077	835,772	840,968	845,624
Percent 0-4	13.01	12.94	12.89	12.85	12.81	12.78	12.55	12.32	12.07	11.81	11.54	11.27	10.99	10.70	10.41	10.11
Percent 5-14	25.08	24.62	24.15	23.68	23.22	22.76	22.51	22.28	22.07	21.88	21.70	21.53	21.37	21.20	21.03	20.86
Percent 15-49	51.57	51.98	52.35	52.69	53.00	53.28	53.53	53.74	53.93	54.08	54.20	54.30	54.37	54.42	54.47	54.52
Percent 15-64	58.18	58.71	59.22	59.73	60.21	60.67	61.10	61.51	61.90	62.28	62.65	63.03	63.41	63.79	64.17	64.54
Percent 65 and over	3.73	3.73	3.74	3.75	3.76	3.79	3.84	3.90	3.96	4.03	4.10	4.16	4.23	4.31	4.39	4.50
Percent females 15-49	51.02	51.40	51.73	52.03	52.31	52.56	52.80	53.00	53.18	53.32	53.43	53.49	53.53	53.55	53.56	53.57
Sex ratio	103.01	103.18	103.35	103.50	103.65	103.80	103.93	104.07	104.19	104.32	104.44	104.55	104.66	104.77	104.87	104.97
Dependency ratio	0.72	0.70	0.69	0.67	0.66	0.65	0.64	0.63	0.62	0.61	0.60	0.59	0.58	0.57	0.56	0.55
Median age	20	21	21	21	22	22	22	22	22	23	23	24	24	25	25	25
Urban population	960,860	987,765	1,014,791	1,041,982	1,069,289	1,096,737	1,124,175	1,151,547	1,178,792	1,205,850	1,232,648	1,259,116	1,285,184	1,310,768	1,335,780	1,360,132
Rural population	531,970	524,661	516,969	508,817	500,194	491,126	481,560	471,493	460,924	449,855	438,286	426,222	413,671	400,641	387,140	373,183
Percent urban	64.36	65.31	66.25	67.19	68.13	69.07	70.01	70.95	71.89	72.83	73.77	74.71	75.65	76.59	77.53	78.47
Percent rural	35.63	34.69	33.75	32.81	31.87	30.93	29.99	29.05	28.11	27.17	26.23	25.29	24.35	23.41	22.47	21.53

Table D.21.b Age groups and sex distribution for every five years from the population projection of 21-Diyarbakır province

Population by Age and Sex - Total							
21-Diyarbakır							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	194,179	100,082	94,097	0-4	202,893	103,942	98,951
5-9	190,864	97,851	93,013	5-9	183,322	94,613	88,709
10-14	183,470	94,141	89,329	10-14	178,066	91,174	86,892
15-19	168,977	86,613	82,364	15-19	171,409	87,707	83,702
20-24	146,531	77,724	68,807	20-24	161,066	83,496	77,571
25-29	135,411	67,437	67,974	25-29	140,984	76,087	64,897
30-34	108,434	55,214	53,220	30-34	127,362	63,773	63,589
35-39	88,865	45,721	43,144	35-39	99,602	50,861	48,741
40-44	68,557	35,324	33,233	40-44	81,563	41,732	39,831
45-49	53,142	26,685	26,457	45-49	64,001	32,779	31,223
50-54	39,613	19,773	19,840	50-54	49,917	24,873	25,044
55-59	33,388	15,516	17,872	55-59	36,841	18,172	18,669
60-64	25,681	11,271	14,410	60-64	30,594	13,900	16,694
65-69	20,799	9,495	11,304	65-69	22,691	9,691	13,000
70-74	14,402	6,424	7,978	70-74	17,149	7,582	9,566
75-79	12,139	5,181	6,958	75-79	10,428	4,467	5,961
80+	8,378	3,046	5,332	80+	9,974	3,870	6,104
TOTAL	1,492,830	757,498	735,332	TOTAL	1,587,863	808,720	779,143
2018	Total	Male	Female	2023	Total	Male	Female
0-4	192,869	98,829	94,039	0-4	175,178	89,762	85,416
5-9	192,105	98,515	93,590	5-9	182,206	93,463	88,743
10-14	170,569	87,960	82,609	10-14	179,367	91,869	87,498
15-19	166,055	84,769	81,286	15-19	158,606	81,582	77,025
20-24	163,540	84,614	78,926	20-24	158,252	81,716	76,536
25-29	155,512	81,858	73,654	25-29	158,032	83,002	75,030
30-34	132,951	72,400	60,551	30-34	147,468	78,168	69,300
35-39	118,463	59,387	59,076	35-39	124,068	67,985	56,083
40-44	92,259	46,851	45,409	40-44	111,021	55,326	55,695
45-49	76,875	39,111	37,764	45-49	87,494	44,186	43,308
50-54	60,567	30,823	29,744	50-54	73,215	37,017	36,197
55-59	46,805	23,055	23,750	55-59	57,116	28,763	28,353
60-64	33,871	16,381	17,490	60-64	43,322	20,937	22,386
65-69	27,177	12,038	15,139	65-69	30,199	14,273	15,926
70-74	18,847	7,776	11,071	70-74	22,704	9,740	12,965
75-79	12,529	5,315	7,214	75-79	13,904	5,495	8,410
80+	9,939	3,915	6,024	80+	11,160	4,407	6,753
TOTAL	1,670,933	853,597	817,336	TOTAL	1,733,314	887,690	845,624

Table D.22.a Summary table for annual results of the population projection of 22-Edirne province

22-Edirne	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	1,51	1,5	1,49	1,49	1,48	1,47	1,46	1,46	1,45	1,44	1,44	1,43	1,42	1,41	1,41	1,4
GRR	0,74	0,73	0,73	0,73	0,72	0,72	0,71	0,71	0,71	0,7	0,7	0,7	0,69	0,69	0,69	0,68
NRR	0,72	0,72	0,71	0,71	0,71	0,71	0,7	0,7	0,7	0,69	0,69	0,69	0,69	0,68	0,68	0,68
Mean A. Childb.	27,4	27,5	27,6	27,7	27,7	27,8	27,9	28,0	28,1	28,1	28,2	28,3	28,4	28,4	28,5	28,6
Child-woman ratio	0,2	0,21	0,21	0,21	0,21	0,21	0,21	0,21	0,21	0,2	0,2	0,2	0,2	0,19	0,19	0,19
Fertility table: Custom																
Mortality																
Male LE	73,6	73,7	74,0	74,4	74,7	75,1	75,4	75,8	76,1	76,5	76,9	77,2	77,6	78,0	78,4	78,8
Female LE	76,4	76,5	76,8	77,0	77,2	77,5	77,7	77,9	78,2	78,4	78,7	78,9	79,2	79,4	79,7	80,0
Total LE	75,0	75,1	75,4	75,6	75,9	76,2	76,5	76,8	77,1	77,4	77,7	78,1	78,4	78,7	79,0	79,4
IMR	13,7	13,0	12,3	11,6	10,9	10,3	9,6	8,9	8,2	7,5	6,8	6,1	5,4	4,7	4,0	3,3
U5MR	15,7	14,9	14,0	13,2	12,4	11,6	10,7	9,9	9,1	8,2	7,4	6,6	5,8	4,9	4,1	3,3
Life table: Coale-Demeny West																
Immigration																
Male immigration	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Female immigration	-1,026	-1,026	-1,026	-1,026	-1,026	-1,026	-1,026	-1,026	-1,026	-1,026	-1,026	-1,026	-1,026	-1,026	-1,026	-1,026
Total immigration	-1,023	-1,023	-1,023	-1,023	-1,023	-1,023	-1,023	-1,023	-1,023	-1,023	-1,023	-1,023	-1,023	-1,023	-1,023	-1,023
Vital Rates																
CBR per 1000	10,3	10,2	10,0	9,8	9,6	9,4	9,3	9,1	8,9	8,7	8,5	8,3	8,1	7,9	7,7	7,5
CDR per 1000	9,0	8,8	8,9	8,9	9,0	9,0	9,0	9,0	9,0	9,0	9,0	9,1	9,1	9,2	9,2	9,3
RNI percent	0,13	0,13	0,11	0,09	0,06	0,04	0,03	0,01	-0,01	-0,03	-0,05	-0,07	-0,10	-0,13	-0,15	-0,18
GR percent	-0,13	-0,13	-0,15	-0,17	-0,20	-0,22	-0,24	-0,26	-0,28	-0,30	-0,32	-0,34	-0,37	-0,40	-0,42	-0,45
Doubling time	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
Annual Births&Deaths																
Births	4,067	4,001	3,932	3,861	3,761	3,687	3,611	3,532	3,452	3,370	3,285	3,199	3,090	3,004	2,918	2,833
Deaths	3,546	3,487	3,505	3,514	3,518	3,516	3,511	3,506	3,501	3,496	3,490	3,486	3,487	3,492	3,506	3,528
Population																
Total population	394,644	394,134	393,537	392,860	392,079	391,225	390,301	389,302	388,229	387,079	385,850	384,538	383,117	381,605	379,992	378,273
Male population	202,714	203,063	203,367	203,629	203,835	204,002	204,129	204,214	204,256	204,254	204,205	204,108	203,948	203,735	203,464	203,132
Female population	191,930	191,071	190,170	189,232	188,244	187,223	186,172	185,088	183,973	182,824	181,644	180,430	179,169	177,870	176,528	175,141
Percent 0-4	5,17	5,14	5,10	5,04	4,96	4,86	4,77	4,69	4,60	4,52	4,43	4,34	4,25	4,15	4,05	3,96
Percent 5-14	12,22	11,90	11,58	11,26	10,99	10,77	10,58	10,43	10,31	10,18	10,04	9,95	9,83	9,70	9,55	9,38
Percent 15-49	54,43	53,98	53,55	53,13	52,69	52,23	51,74	51,22	50,71	50,21	49,74	49,26	48,82	48,42	48,02	47,63
Percent 15-64	71,91	72,18	72,44	72,67	72,84	72,90	72,87	72,74	72,53	72,25	71,93	71,51	71,06	70,59	70,11	69,63
Percent 65 and over	10,70	10,78	10,88	11,03	11,22	11,47	11,78	12,14	12,57	13,05	13,60	14,20	14,86	15,56	16,29	17,04
Percent females 15-49	52,60	52,08	51,55	50,99	50,41	49,80	49,16	48,50	47,83	47,16	46,50	45,85	45,24	44,67	44,10	43,55
Sex ratio	105,62	106,28	106,94	107,61	108,28	108,96	109,65	110,33	111,03	111,72	112,42	113,12	113,83	114,54	115,26	115,98
Dependency ratio	0,39	0,39	0,38	0,38	0,37	0,37	0,37	0,37	0,38	0,38	0,39	0,40	0,41	0,42	0,43	0,44
Median age	36	36	36	37	37	38	38	39	39	40	40	40	41	41	42	43
Urban population	233,576	236,638	239,664	242,591	245,442	248,272	251,002	253,708	256,309	258,878	261,336	263,755	266,037	268,268	270,364	272,395
Rural population	161,068	157,496	153,873	150,269	146,638	142,954	139,298	135,594	131,920	128,200	124,514	120,783	117,081	113,337	109,628	105,879
Percent urban	59,19	60,04	60,90	61,75	62,60	63,46	64,31	65,17	66,02	66,88	67,73	68,59	69,44	70,30	71,15	72,01
Percent rural	40,81	39,96	39,10	38,25	37,40	36,54	35,69	34,83	33,98	33,12	32,27	31,41	30,56	29,70	28,85	27,99

Table D.22.b Age groups and sex distribution for every five years from the population projection of 22-Edirne province

Population by Age and Sex - Total							
22-Edirne							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	20.407	10.441	9.966	0-4	19.400	9.957	9.443
5-9	22.225	11.508	10.717	5-9	19.697	10.207	9.489
10-14	26.006	13.452	12.554	10-14	21.365	11.172	10.193
15-19	27.531	14.206	13.325	15-19	25.228	13.066	12.161
20-24	38.515	23.815	14.700	20-24	23.543	12.325	11.219
25-29	30.673	16.283	14.390	25-29	33.536	20.979	12.557
30-34	28.997	14.890	14.107	30-34	28.321	14.507	13.814
35-39	27.946	13.977	13.969	35-39	27.441	13.822	13.619
40-44	29.898	14.951	14.947	40-44	26.881	13.335	13.546
45-49	31.231	15.717	15.514	45-49	29.370	14.601	14.769
50-54	29.187	15.020	14.167	50-54	31.019	15.541	15.478
55-59	23.157	12.006	11.151	55-59	28.721	14.760	13.960
60-64	16.663	8.197	8.466	60-64	22.120	11.351	10.769
65-69	12.812	5.953	6.859	65-69	15.342	7.397	7.945
70-74	12.023	5.270	6.753	70-74	11.172	5.103	6.069
75-79	10.034	4.254	5.780	75-79	9.394	4.028	5.366
80+	7.339	2.774	4.565	80+	9.255	3.600	5.655
TOTAL	394.644	202.714	191.930	TOTAL	381.804	195.751	186.054
2018	Total	Male	Female	2023	Total	Male	Female
0-4	16.240	8.348	7.892	0-4	13.016	6.703	6.314
5-9	18.704	9.732	8.971	5-9	15.556	8.131	7.425
10-14	18.845	9.877	8.968	10-14	17.857	9.405	8.452
15-19	20.601	10.796	9.805	15-19	18.091	9.508	8.583
20-24	21.260	11.199	10.061	20-24	16.653	8.942	7.711
25-29	18.622	9.535	9.088	25-29	16.358	8.422	7.936
30-34	31.204	19.210	11.993	30-34	16.335	7.799	8.536
35-39	26.798	13.460	13.339	35-39	29.708	18.176	11.533
40-44	26.419	13.206	13.213	40-44	25.818	12.869	12.949
45-49	26.439	13.036	13.402	45-49	26.036	12.943	13.093
50-54	29.278	14.501	14.777	50-54	26.468	13.010	13.458
55-59	30.635	15.346	15.289	55-59	29.062	14.413	14.649
60-64	27.591	14.055	13.536	60-64	29.611	14.722	14.889
65-69	20.541	10.370	10.171	65-69	25.847	12.983	12.863
70-74	13.542	6.431	7.111	70-74	18.320	9.123	9.197
75-79	8.893	3.989	4.904	75-79	10.968	5.126	5.843
80+	10.078	4.007	6.070	80+	10.507	4.362	6.145
TOTAL	365.689	187.097	178.591	TOTAL	346.213	176.635	169.578

Table D.23.a Summary table for annual results of the population projection of 23-Elazığ province

23-Elazığ	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	1.89	1.85	1.82	1.79	1.76	1.72	1.69	1.66	1.63	1.59	1.56	1.53	1.50	1.46	1.43	1.40
GRR	0.92	0.90	0.89	0.87	0.86	0.84	0.82	0.81	0.80	0.78	0.76	0.75	0.73	0.71	0.70	0.68
NRR	0.87	0.85	0.84	0.82	0.81	0.79	0.78	0.77	0.75	0.74	0.72	0.71	0.70	0.68	0.66	0.65
Mean A. Childb.	29.1	29.0	29.0	29.0	28.9	28.9	28.9	28.8	28.8	28.8	28.8	28.7	28.7	28.7	28.6	28.6
Child-woman ratio	0.32	0.31	0.30	0.29	0.27	0.26	0.25	0.25	0.24	0.24	0.23	0.23	0.22	0.21	0.21	0.20
Fertility table: Custom																
Mortality																
Male LE	67.9	68.0	68.1	68.2	68.3	68.4	68.5	68.6	68.7	68.8	68.9	69.0	69.1	69.2	69.3	69.4
Female LE	71.2	71.2	71.3	71.4	71.6	71.7	71.8	71.9	72.0	72.1	72.2	72.3	72.4	72.5	72.6	72.7
Total LE	69.6	69.6	69.7	69.8	69.9	70.0	70.1	70.2	70.3	70.4	70.6	70.7	70.8	70.9	71.0	71.1
IMR	37.7	37.3	36.8	36.4	35.9	35.5	35.0	34.6	34.1	33.7	33.2	32.8	32.3	31.9	31.4	31.0
U5MR	43.6	43.0	42.5	41.9	41.4	40.8	40.3	39.7	39.2	38.6	38.1	37.5	37.0	36.4	35.9	35.3
Life table: Coale-Demeny East																
Immigration																
Male immigration	-1,894	-1,894	-1,894	-1,894	-1,894	-1,894	-1,894	-1,894	-1,894	-1,894	-1,894	-1,894	-1,894	-1,894	-1,894	-1,894
Female immigration	-1,625	-1,625	-1,625	-1,625	-1,625	-1,625	-1,625	-1,625	-1,625	-1,625	-1,625	-1,625	-1,625	-1,625	-1,625	-1,625
Total immigration	-3,519	-3,519	-3,519	-3,519	-3,519	-3,519	-3,519	-3,519	-3,519	-3,519	-3,519	-3,519	-3,519	-3,519	-3,519	-3,519
Vital Rates																
CBR per 1000	15.9	15.6	15.3	14.9	14.6	14.2	13.9	13.6	13.2	12.8	12.4	12.1	11.8	11.4	11.0	10.7
CDR per 1000	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.2
RNI percent	0.75	0.72	0.69	0.66	0.62	0.58	0.55	0.51	0.48	0.43	0.39	0.35	0.30	0.25	0.20	0.15
GR percent	0.11	0.08	0.05	0.01	-0.02	-0.06	-0.09	-0.13	-0.17	-0.22	-0.26	-0.30	-0.35	-0.41	-0.46	-0.51
Doubling time	655.3	918.1	1538.5	4994.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Annual Births&Deaths																
Births	8,720	8,525	8,365	8,196	8,019	7,791	7,602	7,409	7,211	6,965	6,761	6,555	6,350	6,105	5,905	5,706
Deaths	4,621	4,592	4,599	4,601	4,599	4,594	4,593	4,596	4,606	4,623	4,649	4,685	4,728	4,776	4,829	4,887
Population																
Total population	547,566	547,969	548,206	548,272	548,163	547,831	547,310	546,594	545,670	544,484	543,067	541,408	539,502	537,302	534,849	532,139
Male population	271,332	271,476	271,519	271,463	271,306	271,027	270,645	270,157	269,560	268,827	267,974	266,999	265,897	264,647	263,268	261,760
Female population	276,234	276,494	276,687	276,809	276,857	276,804	276,666	276,437	276,110	275,657	275,092	274,410	273,605	272,655	271,580	270,379
Percent 0-4	8.86	8.56	8.24	7.90	7.53	7.13	6.98	6.82	6.67	6.50	6.33	6.17	6.01	5.84	5.67	5.51
Percent 5-14	18.12	17.93	17.72	17.50	17.32	17.19	16.84	16.52	16.21	15.90	15.55	15.15	14.72	14.26	13.77	13.24
Percent 15-49	54.27	54.36	54.46	54.56	54.64	54.68	54.66	54.60	54.51	54.40	54.28	54.18	54.06	53.96	53.87	53.80
Percent 15-64	65.72	66.21	66.74	67.28	67.79	68.26	68.67	69.03	69.35	69.65	69.94	70.23	70.52	70.80	71.10	71.40
Percent 65 and over	7.29	7.29	7.30	7.32	7.36	7.42	7.51	7.62	7.77	7.95	8.18	8.45	8.76	9.10	9.46	9.84
Percent females 15-49	54.26	54.35	54.44	54.52	54.58	54.59	54.57	54.51	54.41	54.29	54.12	53.94	53.74	53.53	53.34	53.17
Sex ratio	98.23	98.19	98.13	98.07	98.00	97.91	97.82	97.73	97.63	97.52	97.41	97.30	97.18	97.06	96.94	96.81
Dependency ratio	0.52	0.51	0.50	0.49	0.48	0.46	0.46	0.45	0.44	0.44	0.43	0.42	0.42	0.41	0.41	0.40
Median age	27	28	28	29	29	30	30	31	31	32	32	33	33	34	34	35
Urban population	312,584	317,987	323,277	328,415	333,502	338,450	343,273	347,962	352,503	356,855	361,031	365,018	368,803	372,350	375,678	378,777
Rural population	234,982	229,983	224,929	219,857	214,661	209,381	204,037	198,632	193,167	187,629	182,036	176,391	170,698	164,952	159,171	153,362
Percent urban	57.09	58.03	58.97	59.90	60.84	61.78	62.72	63.66	64.60	65.54	66.48	67.42	68.36	69.30	70.24	71.18
Percent rural	42.91	41.97	41.03	40.10	39.16	38.22	37.28	36.34	35.40	34.46	33.52	32.58	31.64	30.70	29.76	28.82

Table D.23.b Age groups and sex distribution for every five years from the population projection of 23-Elazığ province

Population by Age and Sex - Total 23-Elazığ							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	48.525	25.062	23.463	0-4	39.074	19.935	19.139
5-9	47.753	24.432	23.321	5-9	47.435	24.613	22.822
10-14	51.489	26.324	25.165	10-14	46.711	24.115	22.596
15-19	49.701	25.357	24.344	15-19	50.335	25.950	24.385
20-24	52.939	27.916	25.023	20-24	46.261	23.536	22.725
25-29	48.056	23.494	24.562	25-29	47.687	24.570	23.117
30-34	42.195	20.313	21.882	30-34	44.244	21.116	23.128
35-39	39.410	18.693	20.717	35-39	40.123	19.141	20.982
40-44	34.265	16.818	17.447	40-44	37.824	17.884	19.941
45-49	30.621	14.705	15.916	45-49	33.059	16.221	16.838
50-54	26.658	13.087	13.571	50-54	29.709	14.150	15.559
55-59	20.164	9.727	10.437	55-59	25.759	12.535	13.224
60-64	15.865	7.246	8.619	60-64	18.951	9.008	9.942
65-69	13.521	6.298	7.223	65-69	14.230	6.371	7.859
70-74	10.326	5.026	5.300	70-74	11.274	5.154	6.120
75-79	9.156	4.415	4.741	75-79	7.472	3.544	3.927
80+	6.922	2.419	4.503	80+	7.683	3.184	4.499
TOTAL	547.566	271.332	276.234	TOTAL	547.831	271.027	276.804
2018	Total	Male	Female	2023	Total	Male	Female
0-4	34.402	17.548	16.854	0-4	29.340	14.961	14.379
5-9	38.056	19.525	18.531	5-9	33.422	17.158	16.264
10-14	46.402	24.300	22.102	10-14	37.048	19.227	17.821
15-19	45.580	23.754	21.826	15-19	45.281	23.944	21.336
20-24	46.905	24.134	22.771	20-24	42.184	21.959	20.226
25-29	41.067	20.231	20.836	25-29	41.723	20.834	20.889
30-34	43.892	22.193	21.699	30-34	37.332	17.894	19.437
35-39	42.176	19.946	22.229	35-39	41.844	21.025	20.819
40-44	38.552	18.338	20.214	40-44	40.607	19.147	21.461
45-49	36.588	17.280	19.308	45-49	37.331	17.741	19.590
50-54	32.109	15.635	16.475	50-54	35.586	16.677	18.909
55-59	28.720	13.558	15.162	55-59	31.054	14.986	16.068
60-64	24.204	11.599	12.605	60-64	27.026	12.558	14.468
65-69	17.030	7.935	9.095	65-69	21.783	10.222	11.561
70-74	11.922	5.236	6.686	70-74	14.308	6.531	7.777
75-79	8.225	3.657	4.567	75-79	8.756	3.739	5.017
80+	7.238	3.106	4.132	80+	7.514	3.158	4.356
TOTAL	543.067	267.974	275.092	TOTAL	532.139	261.760	270.379

Table D.24.a Summary table for annual results of the population projection of 24-Erzincan province

24-Erzincan	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	1.91	1.91	1.91	1.91	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
GRR	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
NRR	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
Mean A. Childb.	29.1	29.0	29.0	29.0	28.9	28.9	28.9	28.8	28.8	28.8	28.8	28.7	28.7	28.7	28.6	28.6
Child-woman ratio	0.32	0.31	0.30	0.29	0.28	0.27	0.27	0.26	0.26	0.26	0.26	0.26	0.26	0.25	0.25	0.25
Fertility table: Custom																
Mortality																
Male LE	67.9	68.0	68.1	68.2	68.3	68.4	68.5	68.6	68.7	68.8	68.9	69.0	69.1	69.2	69.3	69.4
Female LE	71.2	71.2	71.3	71.4	71.6	71.7	71.8	71.9	72.0	72.1	72.2	72.3	72.4	72.5	72.6	72.7
Total LE	69.5	69.6	69.7	69.8	69.9	70.0	70.1	70.2	70.3	70.4	70.5	70.6	70.6	70.7	70.8	70.9
IMR	37.7	37.3	36.8	36.4	35.9	35.5	35.0	34.6	34.1	33.7	33.2	32.8	32.3	31.9	31.4	31.0
U5MR	43.6	43.0	42.5	41.9	41.4	40.8	40.3	39.7	39.2	38.6	38.1	37.5	37.0	36.4	35.9	35.3
Life table: Coale-Demeny East																
Immigration																
Male immigration	-225	-225	-225	-225	-225	-225	-225	-225	-225	-225	-225	-225	-225	-225	-225	-225
Female immigration	-774	-774	-774	-774	-774	-774	-774	-774	-774	-774	-774	-774	-774	-774	-774	-774
Total immigration	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999	-999
Vital Rates																
CBR per 1000	14.6	14.4	14.1	13.9	13.6	13.3	13.1	12.8	12.5	12.2	12.0	11.7	11.4	11.2	10.9	10.7
CDR per 1000	10.8	10.7	10.8	10.9	10.9	10.9	11.0	11.0	11.1	11.2	11.4	11.6	11.8	12.1	12.3	12.6
RNI percent	0.38	0.36	0.33	0.30	0.27	0.24	0.21	0.18	0.14	0.10	0.06	0.01	-0.04	-0.09	-0.14	-0.20
GR percent	-0.09	-0.11	-0.14	-0.17	-0.21	-0.24	-0.27	-0.30	-0.34	-0.38	-0.43	-0.48	-0.53	-0.59	-0.64	-0.70
Doubling time	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Annual Births&Deaths																
Births	3,071	3,023	2,971	2,915	2,842	2,782	2,720	2,657	2,591	2,524	2,455	2,387	2,319	2,253	2,188	2,124
Deaths	2,267	2,256	2,271	2,278	2,279	2,280	2,284	2,290	2,300	2,316	2,339	2,367	2,401	2,437	2,476	2,517
Population																
Total population	210,642	210,416	210,123	209,767	209,336	208,845	208,287	207,659	206,956	206,170	205,292	204,317	203,241	202,063	200,780	199,393
Male population	107,413	107,631	107,805	107,939	108,025	108,073	108,079	108,043	107,964	107,836	107,659	107,428	107,143	106,803	106,406	105,951
Female population	103,229	102,785	102,317	101,828	101,311	100,772	100,208	99,616	98,993	98,333	97,633	96,889	96,098	95,260	94,375	93,442
Percent 0-4	7.96	7.71	7.45	7.18	6.88	6.56	6.45	6.32	6.20	6.07	5.95	5.82	5.70	5.57	5.45	5.33
Percent 5-14	16.93	16.59	16.19	15.78	15.39	15.06	14.61	14.21	13.86	13.51	13.16	12.82	12.47	12.10	11.71	11.29
Percent 15-49	53.14	53.07	53.07	53.08	53.05	52.95	52.74	52.45	52.08	51.66	51.20	50.70	50.19	49.66	49.14	48.65
Percent 15-64	65.51	66.03	66.60	67.19	67.73	68.20	68.57	68.85	69.05	69.19	69.28	69.30	69.29	69.26	69.22	69.18
Percent 65 and over	9.60	9.66	9.75	9.86	10.00	10.17	10.38	10.61	10.89	11.23	11.61	12.05	12.54	13.07	13.63	14.20
Percent females 15-49	51.09	51.01	50.97	50.92	50.83	50.64	50.35	49.95	49.48	48.94	48.36	47.73	47.08	46.40	45.72	45.07
Sex ratio	104.05	104.71	105.36	106.00	106.63	107.24	107.85	108.46	109.06	109.66	110.27	110.88	111.49	112.12	112.75	113.39
Dependency ratio	0.53	0.51	0.50	0.49	0.48	0.47	0.46	0.45	0.45	0.45	0.44	0.44	0.44	0.44	0.44	0.45
Median age	29	30	30	31	31	32	33	33	34	35	35	36	37	38	39	39
Urban population	86,052	87,070	88,083	89,046	89,973	90,889	91,750	92,575	93,358	94,116	94,804	95,437	96,032	96,546	96,997	97,384
Rural population	124,590	123,346	122,039	120,721	119,364	117,956	116,537	115,085	113,598	112,053	110,488	108,881	107,210	105,517	103,783	102,010
Percent urban	40.85	41.38	41.92	42.45	42.98	43.52	44.05	44.58	45.11	45.65	46.18	46.71	47.25	47.78	48.31	48.84
Percent rural	59.15	58.62	58.08	57.55	57.02	56.48	55.95	55.42	54.89	54.35	53.82	53.29	52.75	52.22	51.69	51.16

Table D.24.b Age groups and sex distribution for every five years from the population projection of 24-Erzincan province

Population by Age and Sex - Total 24-Erzincan							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	16.767	8.574	8.193	0-4	13.709	7.031	6.678
5-9	17.063	8.771	8.292	5-9	15.651	8.007	7.644
10-14	18.604	9.400	9.204	10-14	15.808	8.197	7.611
15-19	17.170	8.835	8.335	15-19	17.831	9.180	8.651
20-24	21.487	12.941	8.546	20-24	15.482	8.508	6.974
25-29	17.699	9.045	8.654	25-29	19.365	12.214	7.152
30-34	15.828	8.302	7.526	30-34	15.929	8.121	7.809
35-39	15.052	7.632	7.420	35-39	14.568	7.607	6.961
40-44	13.223	6.691	6.532	40-44	14.565	7.354	7.211
45-49	11.466	5.744	5.722	45-49	12.836	6.561	6.275
50-54	10.347	5.159	5.188	50-54	11.679	5.817	5.862
55-59	8.420	4.201	4.219	55-59	11.209	5.614	5.595
60-64	7.304	3.360	3.944	60-64	8.967	4.532	4.436
65-69	6.260	2.692	3.568	65-69	7.224	3.318	3.906
70-74	4.781	2.272	2.509	70-74	5.651	2.381	3.270
75-79	5.213	2.398	2.815	75-79	3.798	1.758	2.040
80+	3.958	1.396	2.562	80+	4.571	1.872	2.699
TOTAL	210.642	107.413	103.229	TOTAL	208.845	108.073	100.772
2018	Total	Male	Female	2023	Total	Male	Female
0-4	12.214	6.268	5.946	0-4	10.625	5.456	5.170
5-9	12.617	6.477	6.140	5-9	11.134	5.720	5.414
10-14	14.402	7.437	6.965	10-14	11.375	5.911	5.464
15-19	15.046	7.983	7.063	15-19	13.647	7.227	6.420
20-24	16.146	8.855	7.291	20-24	13.377	7.667	5.709
25-29	13.405	7.817	5.589	25-29	14.071	8.164	5.907
30-34	17.586	11.270	6.317	30-34	11.672	6.908	4.764
35-39	14.676	7.432	7.245	35-39	16.324	10.559	5.765
40-44	14.094	7.334	6.760	40-44	14.211	7.166	7.045
45-49	14.165	7.217	6.948	45-49	13.710	7.203	6.507
50-54	13.023	6.615	6.408	50-54	14.330	7.257	7.073
55-59	12.496	6.244	6.253	55-59	13.799	7.009	6.790
60-64	11.584	5.834	5.750	60-64	12.805	6.422	6.383
65-69	8.720	4.352	4.368	65-69	11.087	5.503	5.584
70-74	6.464	2.897	3.567	70-74	7.727	3.747	3.980
75-79	4.474	1.850	2.623	75-79	5.083	2.225	2.858
80+	4.179	1.778	2.401	80+	4.417	1.807	2.610
TOTAL	205.292	107.659	97.633	TOTAL	199.393	105.951	93.442

Table D.25.a Summary table for annual results of the population projection of 25-Erzurum province

25-Erzurum																	
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	
Fertility																	
Input TFR	2.69	2.67	2.65	2.63	2.62	2.60	2.58	2.56	2.54	2.52	2.50	2.48	2.46	2.44	2.42	2.40	
GRR	1.31	1.30	1.29	1.28	1.28	1.27	1.26	1.25	1.24	1.23	1.22	1.21	1.20	1.19	1.18	1.17	
NRR	1.24	1.23	1.22	1.21	1.21	1.20	1.19	1.18	1.17	1.17	1.16	1.15	1.14	1.13	1.12	1.12	
Mean A. Childb.	29.1	29.0	29.0	29.0	28.9	28.9	28.9	28.8	28.8	28.8	28.8	28.7	28.7	28.7	28.6	28.6	
Child-woman ratio	0.43	0.42	0.41	0.40	0.39	0.37	0.36	0.35	0.34	0.33	0.32	0.31	0.30	0.29	0.28	0.27	
Fertility table: Custom																	
Mortality																	
Male LE	67.9	68.0	68.1	68.2	68.3	68.4	68.5	68.6	68.7	68.8	68.9	69.0	69.1	69.2	69.3	69.4	
Female LE	71.2	71.2	71.3	71.4	71.6	71.7	71.8	71.9	72.0	72.1	72.2	72.3	72.4	72.5	72.6	72.7	
Total LE	69.5	69.6	69.7	69.8	69.9	70.0	70.1	70.2	70.3	70.4	70.5	70.6	70.7	70.8	70.9	71.0	
IMR	37.7	37.3	36.8	36.4	35.9	35.5	35.0	34.6	34.1	33.7	33.2	32.8	32.3	31.9	31.4	31.0	
U5MR	43.6	43.0	42.5	41.9	41.4	40.8	40.3	39.7	39.2	38.6	38.1	37.5	37.0	36.4	35.9	35.3	
Life table: Coale-Demeny East																	
Immigration																	
Male immigration	-12,388	-12,388	-12,388	-12,388	-12,388	-12,388	-12,388	-12,388	-12,388	-12,388	-12,388	-12,388	-12,388	-12,388	-12,388	-12,388	-12,388
Female immigration	-12,198	-12,198	-12,198	-12,198	-12,198	-12,198	-12,198	-12,198	-12,198	-12,198	-12,198	-12,198	-12,198	-12,198	-12,198	-12,198	-12,198
Total immigration	-24,586	-24,586	-24,586	-24,586	-24,586	-24,586	-24,586	-24,586	-24,586	-24,586	-24,586	-24,586	-24,586	-24,586	-24,586	-24,586	-24,586
Vital Rates																	
CBR per 1000	21.5	21.0	20.5	19.9	19.4	18.8	18.2	17.6	16.9	16.2	15.6	14.9	14.2	13.6	13.0	12.5	
CDR per 1000	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.4	8.5	8.7	9.0	9.3	9.6	10.0	10.4	10.9	
RNI percent	1.38	1.33	1.27	1.20	1.14	1.07	1.00	0.92	0.84	0.75	0.66	0.56	0.46	0.36	0.26	0.16	
GR percent	-1.79	-1.91	-2.04	-2.17	-2.31	-2.47	-2.64	-2.82	-3.01	-3.23	-3.46	-3.71	-3.98	-4.27	-4.59	-4.93	
Doubling time	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Annual Births&Deaths																	
Births	16,638	15,969	15,265	14,538	13,849	13,094	12,331	11,560	10,791	10,032	9,291	8,572	7,883	7,232	6,617	6,036	
Deaths	5,920	5,867	5,842	5,788	5,720	5,644	5,576	5,507	5,444	5,394	5,358	5,333	5,316	5,303	5,291	5,278	
Population																	
Total population	774,965	760,243	744,843	728,771	712,078	694,706	676,639	657,872	638,399	618,217	597,331	575,751	553,500	530,610	507,118	483,059	
Male population	391,588	384,200	376,464	368,379	359,975	351,222	342,113	332,647	322,822	312,639	302,101	291,215	279,992	268,450	256,604	244,472	
Female population	383,377	376,042	368,379	360,391	352,102	343,484	334,526	325,225	315,577	305,578	295,230	284,536	273,508	262,160	250,514	238,587	
Percent 0-4	10.71	10.50	10.26	9.98	9.65	9.26	8.99	8.71	8.42	8.10	7.78	7.44	7.11	6.77	6.44	6.11	
Percent 5-14	21.36	21.21	21.01	20.77	20.54	20.34	20.01	19.67	19.31	18.92	18.49	18.04	17.52	16.91	16.19	15.35	
Percent 15-49	51.65	51.56	51.53	51.53	51.53	51.50	51.44	51.34	51.20	51.01	50.77	50.42	50.00	49.54	49.05	48.55	
Percent 15-64	61.49	61.68	61.95	62.27	62.63	62.99	63.35	63.71	64.08	64.45	64.83	65.16	65.52	65.89	66.31	66.76	
Percent 65 and over	6.44	6.60	6.78	6.98	7.18	7.41	7.65	7.91	8.20	8.53	8.91	9.35	9.86	10.43	11.07	11.78	
Percent females 15-49	50.82	50.64	50.50	50.41	50.32	50.22	50.09	49.94	49.74	49.49	49.16	48.69	48.15	47.55	46.92	46.27	
Sex ratio	102.14	102.17	102.19	102.22	102.24	102.25	102.27	102.28	102.30	102.31	102.33	102.35	102.37	102.40	102.43	102.47	
Dependency ratio	0.63	0.62	0.61	0.61	0.60	0.59	0.58	0.57	0.56	0.55	0.54	0.53	0.53	0.52	0.51	0.50	
Median age	24	25	25	25	26	26	27	27	28	29	30	31	32	33	35	36	
Urban population	380,056	379,665	378,604	376,993	374,695	371,807	368,159	363,869	358,780	353,002	346,392	339,060	330,882	321,974	312,233	301,767	
Rural population	394,909	380,578	366,239	351,778	337,382	322,899	308,480	294,003	279,619	265,215	250,939	236,691	222,618	208,636	194,886	181,292	
Percent urban	49.04	49.94	50.83	51.73	52.62	53.52	54.41	55.31	56.20	57.10	57.99	58.89	59.78	60.68	61.57	62.47	
Percent rural	50.96	50.06	49.17	48.27	47.38	46.48	45.59	44.69	43.80	42.90	42.01	41.11	40.22	39.32	38.43	37.53	

Table D.25.b Age groups and sex distribution for every five years from the population projection of 25-Erzurum province

Population by Age and Sex - Total 25-Erzurum							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	82.996	42.568	40.428	0-4	64.326	32.687	31.639
5-9	83.310	42.474	40.836	5-9	70.906	36.132	34.774
10-14	82.242	42.123	40.119	10-14	70.413	35.593	34.821
15-19	73.538	37.820	35.718	15-19	71.365	36.069	35.296
20-24	79.804	42.897	36.907	20-24	54.387	29.335	25.052
25-29	67.413	33.779	33.634	25-29	55.692	31.731	23.961
30-34	54.673	28.006	26.667	30-34	52.333	25.581	26.751
35-39	49.553	25.100	24.453	35-39	45.655	23.153	22.502
40-44	40.310	20.528	19.782	40-44	42.743	21.381	21.362
45-49	34.979	17.294	17.685	45-49	35.614	18.045	17.569
50-54	30.241	14.562	15.679	50-54	31.232	15.443	15.789
55-59	24.341	11.651	12.690	55-59	27.005	12.836	14.168
60-64	21.680	9.988	11.692	60-64	21.567	10.095	11.472
65-69	17.966	8.106	9.860	65-69	18.866	8.607	10.258
70-74	12.213	5.940	6.273	70-74	14.683	6.461	8.222
75-79	12.192	5.820	6.372	75-79	8.658	4.076	4.582
80+	7.514	2.932	4.582	80+	9.262	3.997	5.265
TOTAL	774.965	391.588	383.377	TOTAL	694.706	351.222	343.484
2018	Total	Male	Female	2023	Total	Male	Female
0-4	46.457	23.551	22.906	0-4	29.512	14.884	14.628
5-9	52.370	26.322	26.047	5-9	34.607	17.241	17.366
10-14	58.048	29.272	28.776	10-14	39.556	19.489	20.068
15-19	59.585	29.569	30.016	15-19	47.266	23.277	23.989
20-24	52.245	27.605	24.640	20-24	40.534	21.151	19.382
25-29	30.444	18.278	12.167	25-29	28.331	16.569	11.762
30-34	40.699	23.561	17.138	30-34	15.621	10.212	5.409
35-39	43.358	20.762	22.596	35-39	31.821	18.768	13.053
40-44	38.913	19.471	19.442	40-44	36.666	17.121	19.545
45-49	38.035	18.897	19.138	45-49	34.294	17.037	17.257
50-54	31.879	16.188	15.691	50-54	34.272	17.030	17.242
55-59	27.981	13.689	14.292	55-59	28.633	14.417	14.216
60-64	24.100	11.204	12.897	60-64	25.044	12.008	13.036
65-69	18.815	8.725	10.090	65-69	21.146	9.722	11.424
70-74	15.467	6.885	8.583	70-74	15.488	7.007	8.481
75-79	10.547	4.477	6.070	75-79	11.156	4.793	6.363
80+	8.389	3.646	4.743	80+	9.113	3.746	5.367
TOTAL	597.331	302.101	295.230	TOTAL	483.059	244.472	238.587

Table D.26.a Summary table for annual results of the population projection of 26-Eskişehir province

26-Eskişehir	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	1.53	1.52	1.51	1.51	1.50	1.49	1.48	1.47	1.46	1.45	1.44	1.44	1.43	1.42	1.41	1.40
GRR	0.75	0.74	0.74	0.74	0.73	0.73	0.72	0.72	0.71	0.71	0.70	0.70	0.70	0.69	0.69	0.68
NRR	0.72	0.72	0.71	0.72	0.71	0.71	0.70	0.70	0.70	0.69	0.69	0.69	0.68	0.68	0.68	0.67
Mean A. Childb.	27.0	27.2	27.3	27.4	27.5	27.6	27.7	27.8	27.9	28.0	28.1	28.2	28.3	28.4	28.5	28.6
Child-woman ratio	0.21	0.22	0.22	0.22	0.23	0.23	0.23	0.22	0.22	0.22	0.22	0.22	0.22	0.21	0.21	0.21
Fertility table: Custom																
Mortality																
Male LE	71.9	71.8	72.0	72.1	72.3	72.4	72.6	72.7	72.9	73.1	73.2	73.4	73.5	73.7	73.9	74.0
Female LE	74.1	74.2	74.5	74.8	75.0	75.2	75.5	75.7	75.9	76.1	76.4	76.6	76.8	77.1	77.3	77.6
Total LE	73.0	73.0	73.2	73.5	73.7	73.8	74.0	74.2	74.4	74.6	74.8	75.0	75.2	75.4	75.6	75.8
IMR	19.1	18.5	17.9	17.3	16.7	16.2	15.8	15.3	14.8	14.3	13.9	13.4	12.9	12.4	12.0	11.5
U5MR	22.3	21.5	20.8	20.0	19.3	18.7	18.1	17.6	17.0	16.4	15.9	15.3	14.7	14.2	13.6	13.0
Life table: Coale-Demeny West																
Immigration																
Male immigration	5,204	5,204	5,204	5,204	5,204	5,204	5,204	5,204	5,204	5,204	5,204	5,204	5,204	5,204	5,204	5,204
Female immigration	4,557	4,557	4,557	4,557	4,557	4,557	4,557	4,557	4,557	4,557	4,557	4,557	4,557	4,557	4,557	4,557
Total immigration	9,761	9,761	9,761	9,761	9,761	9,761	9,761	9,761	9,761	9,761	9,761	9,761	9,761	9,761	9,761	9,761
Vital Rates																
CBR per 1000	13.0	12.8	12.6	12.5	12.3	12.1	11.9	11.7	11.5	11.3	11.1	11.0	10.8	10.6	10.4	10.2
CDR per 1000	8.4	8.2	8.2	8.2	8.1	8.1	8.1	8.1	8.0	8.0	8.0	8.0	8.1	8.1	8.1	8.1
RNI percent	0.46	0.46	0.44	0.43	0.42	0.40	0.38	0.37	0.35	0.33	0.31	0.30	0.28	0.25	0.23	0.21
GR percent	1.77	1.76	1.71	1.68	1.64	1.61	1.57	1.54	1.50	1.47	1.43	1.40	1.36	1.33	1.29	1.25
Doubling time	39.5	39.8	40.8	41.6	42.5	43.4	44.4	45.4	46.5	47.6	48.8	49.8	51.2	52.6	54.1	55.6
Annual Births&Deaths																
Births	9,630	9,667	9,691	9,773	9,787	9,796	9,797	9,786	9,766	9,739	9,707	9,734	9,689	9,640	9,588	9,536
Deaths	6,245	6,176	6,289	6,388	6,476	6,557	6,639	6,721	6,806	6,898	6,998	7,107	7,222	7,344	7,470	7,600
Population																
Total population	741,738	755,095	768,363	781,614	794,790	807,893	820,915	833,844	846,667	859,371	871,942	884,431	896,758	908,915	920,893	932,689
Male population	368,486	375,661	382,786	389,896	396,959	403,974	410,936	417,839	424,674	431,435	438,116	444,742	451,273	457,705	464,033	470,255
Female population	373,252	379,434	385,577	391,718	397,831	403,919	409,978	416,005	421,993	427,935	433,826	439,689	445,485	451,210	456,860	462,434
Percent 0-4	5.99	6.06	6.12	6.17	6.20	6.21	6.13	6.05	5.96	5.87	5.78	5.69	5.61	5.52	5.43	5.35
Percent 5-14	13.51	13.19	12.88	12.60	12.37	12.19	12.13	12.10	12.08	12.06	12.04	12.04	12.03	12.00	11.96	11.90
Percent 15-49	56.22	56.09	55.94	55.76	55.56	55.33	55.10	54.85	54.61	54.38	54.14	53.88	53.62	53.38	53.16	52.95
Percent 15-64	71.46	71.65	71.86	72.03	72.15	72.21	72.22	72.18	72.11	72.03	71.93	71.79	71.66	71.53	71.39	71.25
Percent 65 and over	9.05	9.09	9.14	9.20	9.28	9.39	9.52	9.67	9.85	10.04	10.25	10.47	10.70	10.95	11.21	11.50
Percent females 15-49	55.70	55.52	55.32	55.09	54.83	54.55	54.26	53.97	53.67	53.37	53.07	52.74	52.41	52.10	51.80	51.52
Sex ratio	98.72	99.01	99.28	99.53	99.78	100.01	100.23	100.44	100.64	100.82	100.99	101.15	101.30	101.44	101.57	101.69
Dependency ratio	0.40	0.40	0.39	0.39	0.39	0.38	0.38	0.39	0.39	0.39	0.39	0.39	0.39	0.40	0.40	0.40
Median age	33	33	33	34	34	34	34	34	35	35	35	36	36	36	37	37
Urban population	599,799	617,441	635,283	653,351	671,677	690,102	708,696	727,445	746,337	765,356	784,486	803,771	823,135	842,564	862,048	881,578
Rural population	141,939	137,654	133,081	128,263	123,113	117,791	112,219	106,398	100,330	94,015	87,456	80,660	73,624	66,351	58,845	51,111
Percent urban	80.86	81.77	82.68	83.59	84.51	85.42	86.33	87.24	88.15	89.06	89.97	90.88	91.79	92.70	93.61	94.52
Percent rural	19.14	18.23	17.32	16.41	15.49	14.58	13.67	12.76	11.85	10.94	10.03	9.12	8.21	7.30	6.39	5.48

Table D.26.b Age groups and sex distribution for every five years from the population projection of 26-Eskişehir province

Population by Age and Sex - Total							
26-Eskişehir							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	44.405	22.741	21.664	0-4	50.168	25.721	24.447
5-9	47.414	24.315	23.099	5-9	48.136	24.734	23.403
10-14	52.771	27.100	25.671	10-14	50.331	25.678	24.653
15-19	56.419	28.798	27.621	15-19	60.891	30.991	29.901
20-24	70.998	36.192	34.806	20-24	66.122	34.690	31.432
25-29	64.810	33.293	31.517	25-29	74.527	39.006	35.520
30-34	58.700	29.047	29.653	30-34	67.594	34.755	32.839
35-39	56.867	27.978	28.889	35-39	61.789	30.510	31.279
40-44	55.055	26.952	28.103	40-44	59.270	28.883	30.387
45-49	54.177	26.849	27.328	45-49	56.841	27.847	28.995
50-54	45.734	22.978	22.756	50-54	54.621	27.120	27.501
55-59	37.667	18.709	18.958	55-59	45.173	22.517	22.656
60-64	29.601	14.053	15.548	60-64	36.581	17.950	18.632
65-69	23.988	11.004	12.984	65-69	27.716	12.877	14.838
70-74	18.212	8.188	10.024	70-74	20.973	9.422	11.551
75-79	14.617	6.250	8.367	75-79	14.101	6.206	7.895
80+	10.303	4.039	6.264	80+	13.060	5.068	7.991
TOTAL	741.738	368.486	373.252	TOTAL	807.893	403.974	403.919
2018	Total	Male	Female	2023	Total	Male	Female
0-4	50.379	25.819	24.560	0-4	49.906	25.570	24.335
5-9	53.909	27.715	26.194	5-9	54.140	27.823	26.317
10-14	51.062	26.100	24.962	10-14	56.837	29.082	27.755
15-19	58.472	29.579	28.893	15-19	59.217	30.008	29.209
20-24	70.611	36.888	33.722	20-24	68.224	35.496	32.729
25-29	69.706	37.529	32.177	25-29	74.218	39.738	34.480
30-34	77.318	40.463	36.855	30-34	72.557	39.012	33.544
35-39	70.690	36.208	34.482	35-39	80.426	41.914	38.512
40-44	64.221	31.422	32.799	40-44	73.135	37.112	36.023
45-49	61.094	29.790	31.304	45-49	66.086	32.340	33.746
50-54	57.349	28.146	29.203	50-54	61.652	30.104	31.548
55-59	53.910	26.561	27.348	55-59	56.721	27.620	29.101
60-64	43.847	21.585	22.263	60-64	52.351	25.466	26.885
65-69	34.252	16.446	17.806	65-69	41.142	19.812	21.329
70-74	24.356	11.063	13.293	70-74	30.216	14.154	16.062
75-79	16.404	7.187	9.217	75-79	19.241	8.494	10.747
80+	14.364	5.615	8.749	80+	16.622	6.510	10.112
TOTAL	871.942	438.116	433.826	TOTAL	932.689	470.255	462.434

Table D.27.a Summary table for annual results of the population projection of 27-Gaziantep province

27-Gaziantep	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	3.00	2.92	2.85	2.78	2.70	2.63	2.56	2.48	2.41	2.34	2.27	2.19	2.12	2.05	1.97	1.90
GRR	1.46	1.42	1.39	1.36	1.32	1.28	1.25	1.21	1.18	1.14	1.11	1.07	1.03	1.00	0.96	0.93
NRR	1.39	1.35	1.32	1.29	1.26	1.22	1.19	1.16	1.13	1.09	1.06	1.03	0.99	0.96	0.92	0.89
Mean A. Childb.	29.4	29.3	29.3	29.2	29.2	29.1	29.1	29.0	29.0	28.9	28.9	28.8	28.8	28.7	28.7	28.6
Child-woman ratio	0.52	0.49	0.47	0.45	0.42	0.40	0.39	0.38	0.36	0.35	0.34	0.33	0.32	0.31	0.30	0.29
Fertility table: Custom																
Mortality																
Male LE	69.2	69.4	69.5	69.6	69.7	69.8	69.9	70.0	70.2	70.3	70.4	70.5	70.6	70.7	70.8	70.9
Female LE	72.6	72.6	72.7	72.9	73.0	73.1	73.2	73.3	73.4	73.6	73.7	73.8	73.9	74.0	74.2	74.3
Total LE	70.9	71.0	71.1	71.2	71.3	71.4	71.6	71.7	71.8	71.9	72.0	72.1	72.2	72.3	72.5	72.6
IMR	31.7	31.2	30.7	30.2	29.7	29.3	28.8	28.3	27.8	27.3	26.9	26.5	26.0	25.6	25.2	24.8
U5MR	36.2	35.6	35.0	34.4	33.8	33.2	32.7	32.0	31.4	30.8	30.3	29.8	29.3	28.8	28.3	27.8
Life table: Coale-Demeny East																
Immigration																
Male immigration	495	495	495	495	495	495	495	495	495	495	495	495	495	495	495	495
Female immigration	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460
Total immigration	955	955	955	955	955	955	955	955	955	955	955	955	955	955	955	955
Vital Rates																
CBR per 1000	24.3	23.6	23.1	22.5	21.8	21.2	20.7	20.0	19.5	19.0	18.4	17.9	17.4	16.9	16.4	15.9
CDR per 1000	5.5	5.3	5.3	5.3	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.3	5.3	5.4	5.4
RNI percent	1.88	1.83	1.78	1.72	1.66	1.61	1.55	1.49	1.43	1.38	1.33	1.27	1.21	1.16	1.10	1.05
GR percent	1.94	1.89	1.83	1.78	1.72	1.66	1.60	1.54	1.49	1.43	1.38	1.32	1.26	1.21	1.15	1.10
Doubling time	36.1	37.1	38.1	39.3	40.7	42.1	43.5	45.3	47.0	48.8	50.7	53.0	55.2	57.6	60.6	63.4
Annual Births&Deaths																
Births	39,121	38,837	38,608	38,316	37,838	37,463	37,060	36,480	36,020	35,542	35,053	34,417	33,919	33,408	32,713	32,161
Deaths	8,852	8,777	8,864	8,955	9,043	9,145	9,261	9,378	9,518	9,673	9,849	10,039	10,244	10,464	10,692	10,934
Population																
Total population	1,612,226	1,643,231	1,673,920	1,704,226	1,733,966	1,763,230	1,791,975	1,820,022	1,847,469	1,874,283	1,900,432	1,925,755	1,950,376	1,974,265	1,997,231	2,019,404
Male population	810,769	826,691	842,424	857,940	873,148	888,096	902,761	917,051	931,019	944,646	957,912	970,737	983,182	995,232	1,006,787	1,017,916
Female population	801,457	816,540	831,497	846,286	860,818	875,133	889,214	902,970	916,449	929,638	942,520	955,018	967,194	979,033	990,445	1,001,488
Percent 0-4	13.21	12.65	12.10	11.56	11.02	10.48	10.22	9.95	9.69	9.44	9.19	8.94	8.70	8.47	8.24	8.02
Percent 5-14	22.79	22.93	23.00	23.01	22.99	22.95	22.61	22.26	21.88	21.45	20.97	20.35	19.72	19.10	18.48	17.86
Percent 15-49	51.39	51.64	51.92	52.22	52.53	52.85	53.17	53.49	53.82	54.17	54.54	55.02	55.47	55.89	56.28	56.65
Percent 15-64	59.75	60.16	60.62	61.11	61.63	62.15	62.67	63.20	63.75	64.34	64.97	65.74	66.50	67.25	67.98	68.69
Percent 65 and over	4.25	4.26	4.29	4.32	4.36	4.42	4.50	4.58	4.68	4.78	4.87	4.97	5.07	5.18	5.30	5.44
Percent females 15-49	51.25	51.48	51.73	52.01	52.31	52.61	52.92	53.24	53.57	53.92	54.28	54.76	55.20	55.61	56.00	56.37
Sex ratio	101.16	101.24	101.31	101.38	101.43	101.48	101.52	101.56	101.59	101.61	101.63	101.65	101.65	101.65	101.65	101.64
Dependency ratio	0.67	0.66	0.65	0.64	0.62	0.61	0.60	0.58	0.57	0.55	0.54	0.52	0.50	0.49	0.47	0.46
Median age	23	23	23	23	23	24	24	24	25	25	25	26	26	26	27	27
Urban population	1,360,123	1,401,019	1,442,250	1,483,529	1,525,023	1,566,630	1,608,118	1,649,668	1,691,173	1,732,588	1,773,673	1,797,307	1,820,286	1,842,581	1,864,016	1,884,710
Rural population	252,103	242,212	231,671	220,697	208,943	196,600	183,857	170,354	156,296	141,696	126,759	128,448	130,090	131,683	133,215	134,694
Percent urban	84.36	85.26	86.16	87.05	87.95	88.85	89.74	90.64	91.54	92.44	93.33	93.33	93.33	93.33	93.33	93.33
Percent rural	15.64	14.74	13.84	12.95	12.05	11.15	10.26	9.36	8.46	7.56	6.67	6.67	6.67	6.67	6.67	6.67

Table D.27.b Age groups and sex distribution for every five years from the population projection of 27-Gaziantep province

Population by Age and Sex - Total 27-Gaziantep							
	Total	Male	Female		Total	Male	Female
2008				2013			
0-4	213.003	108.769	104.234	0-4	184.712	94.432	90.280
5-9	190.467	97.567	92.900	5-9	212.536	108.288	104.249
10-14	176.990	90.957	86.033	10-14	192.051	98.404	93.647
15-19	153.054	78.556	74.498	15-19	177.712	91.817	85.895
20-24	140.242	67.700	72.542	20-24	154.612	79.406	75.206
25-29	145.012	72.780	72.232	25-29	141.283	67.803	73.481
30-34	126.361	64.298	62.063	30-34	143.077	71.580	71.497
35-39	106.131	54.131	52.000	35-39	124.985	63.703	61.283
40-44	86.415	44.403	42.012	40-44	105.311	53.647	51.665
45-49	71.347	35.946	35.401	45-49	84.927	43.527	41.400
50-54	54.648	27.582	27.066	50-54	69.416	34.767	34.649
55-59	45.380	22.429	22.951	55-59	52.309	26.021	26.288
60-64	34.656	16.577	18.079	60-64	42.293	20.668	21.625
65-69	26.055	11.816	14.239	65-69	31.110	14.574	16.536
70-74	17.866	7.557	10.309	70-74	21.788	9.562	12.226
75-79	13.852	6.138	7.714	75-79	13.095	5.308	7.787
80+	10.747	3.563	7.184	80+	12.012	4.591	7.420
TOTAL	1.612.226	810.769	801.457	TOTAL	1.763.230	888.096	875.133
2018				2023			
0-4	174.619	89.282	85.337	0-4	161.860	82.740	79.120
5-9	184.457	94.060	90.396	5-9	174.478	88.966	85.513
10-14	214.118	109.124	104.995	10-14	186.112	94.935	91.176
15-19	192.775	99.263	93.512	15-19	214.831	109.972	104.859
20-24	179.224	92.630	86.594	20-24	194.287	100.071	94.216
25-29	155.631	79.470	76.161	25-29	180.193	92.653	87.540
30-34	139.435	66.666	72.769	30-34	153.763	78.295	75.468
35-39	141.658	70.965	70.693	35-39	138.110	66.118	71.992
40-44	124.063	63.158	60.904	40-44	140.668	70.388	70.280
45-49	103.627	52.659	50.968	45-49	122.209	62.069	60.140
50-54	82.740	42.171	40.569	50-54	101.111	51.106	50.005
55-59	66.587	32.898	33.688	55-59	79.499	40.008	39.492
60-64	48.882	24.026	24.856	60-64	62.423	30.444	31.979
65-69	38.067	18.216	19.851	65-69	44.151	21.246	22.905
70-74	26.114	11.852	14.262	70-74	32.077	14.885	17.192
75-79	16.070	6.775	9.295	75-79	19.374	8.461	10.913
80+	12.365	4.696	7.669	80+	14.259	5.558	8.701
TOTAL	1.900.432	957.912	942.520	TOTAL	2.019.404	1.017.916	1.001.488

Table D.28.a Summary table for annual results of the population projection of 28-Giresun province

28-Giresun	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	1.83	1.80	1.77	1.74	1.72	1.69	1.66	1.63	1.60	1.57	1.54	1.51	1.49	1.46	1.43	1.40
GRR	0.89	0.88	0.86	0.85	0.84	0.82	0.81	0.80	0.78	0.77	0.75	0.74	0.73	0.71	0.70	0.68
NRR	0.86	0.84	0.83	0.82	0.81	0.79	0.78	0.77	0.75	0.74	0.73	0.71	0.71	0.69	0.68	0.66
Mean A. Childb.	27.5	27.6	27.6	27.7	27.8	27.9	27.9	28.0	28.1	28.2	28.2	28.3	28.4	28.5	28.5	28.6
Child-woman ratio	0.25	0.25	0.25	0.25	0.25	0.24	0.24	0.24	0.24	0.23	0.23	0.23	0.22	0.22	0.22	0.21
Fertility table: Custom																
Mortality																
Male LE	70.7	70.7	70.9	71.0	71.2	71.3	71.4	71.6	71.7	71.8	72.0	72.1	72.2	72.4	72.5	72.6
Female LE	72.9	73.0	73.1	73.2	73.4	73.5	73.7	73.8	74.0	74.1	74.3	74.4	74.6	74.7	74.9	75.0
Total LE	71.8	71.8	72.0	72.1	72.3	72.4	72.6	72.7	72.8	73.0	73.1	73.3	73.4	73.5	73.7	73.8
IMR	22.7	22.2	21.7	21.2	20.8	20.3	19.9	19.5	19.1	18.7	18.3	17.9	17.4	17.0	16.6	16.2
U5MR	26.9	26.3	25.6	25.0	24.4	23.9	23.4	22.8	22.3	21.8	21.3	20.7	20.2	19.7	19.2	18.7
Life table: Coale-Demeny West																
Immigration																
Male immigration	732	732	732	732	732	732	732	732	732	732	732	732	732	732	732	732
Female immigration	818	818	818	818	818	818	818	818	818	818	818	818	818	818	818	818
Total immigration	1,550	1,550	1,550	1,550	1,550	1,550	1,550	1,550	1,550	1,550	1,550	1,550	1,550	1,550	1,550	1,550
Vital Rates																
CBR per 1000	13.1	12.8	12.6	12.3	12.2	11.9	11.6	11.4	11.1	10.8	10.5	10.1	9.9	9.5	9.2	8.8
CDR per 1000	11.8	11.7	11.9	12.0	12.1	12.1	12.1	12.2	12.2	12.2	12.3	12.4	12.5	12.6	12.7	12.9
RNI percent	0.12	0.11	0.07	0.03	0.01	-0.02	-0.05	-0.08	-0.11	-0.14	-0.18	-0.22	-0.26	-0.31	-0.36	-0.41
GR percent	0.49	0.48	0.43	0.40	0.37	0.34	0.31	0.28	0.25	0.21	0.18	0.13	0.10	0.05	0.00	-0.05
Doubling time	141.4	145.4	160.3	175.5	187.9	204.9	225.2	249.5	280.9	325.3	394.3	515.8	719.2	1421.1	0.0	0.0
Annual Births&Deaths																
Births	5,514	5,433	5,354	5,274	5,219	5,126	5,027	4,922	4,813	4,695	4,569	4,432	4,318	4,168	4,012	3,851
Deaths	4,991	4,958	5,060	5,133	5,183	5,217	5,245	5,267	5,290	5,317	5,351	5,395	5,446	5,505	5,570	5,641
Population																
Total population	421,768	423,840	425,732	427,470	429,103	430,608	431,985	433,235	434,353	435,326	436,138	436,769	437,234	437,490	437,525	437,327
Male population	209,058	210,301	211,434	212,470	213,436	214,324	215,134	215,868	216,524	217,096	217,575	217,953	218,236	218,404	218,449	218,364
Female population	212,710	213,539	214,298	215,000	215,667	216,284	216,851	217,367	217,829	218,230	218,562	218,816	218,997	219,086	219,077	218,963
Percent 0-4	6.25	6.22	6.19	6.14	6.08	6.00	5.89	5.78	5.66	5.53	5.40	5.26	5.12	4.98	4.82	4.67
Percent 5-14	15.78	15.10	14.47	13.89	13.37	12.90	12.51	12.17	11.88	11.63	11.43	11.34	11.23	11.10	10.95	10.77
Percent 15-49	50.50	50.40	50.26	50.07	49.83	49.53	49.16	48.74	48.27	47.76	47.22	46.58	45.96	45.37	44.81	44.27
Percent 15-64	65.32	66.07	66.79	67.46	68.07	68.58	69.00	69.32	69.53	69.61	69.57	69.33	69.02	68.67	68.30	67.94
Percent 65 and over	12.65	12.61	12.55	12.51	12.49	12.52	12.60	12.73	12.93	13.22	13.60	14.07	14.63	15.25	15.93	16.62
Percent females 15-49	49.26	49.26	49.22	49.14	49.00	48.79	48.51	48.17	47.77	47.32	46.83	46.23	45.64	45.08	44.56	44.06
Sex ratio	98.28	98.48	98.66	98.82	98.97	99.09	99.21	99.31	99.40	99.48	99.55	99.61	99.65	99.69	99.71	99.73
Dependency ratio	0.53	0.51	0.50	0.48	0.47	0.46	0.45	0.44	0.44	0.44	0.44	0.44	0.45	0.46	0.46	0.47
Median age	33	34	34	35	36	36	37	38	38	39	39	40	41	42	42	43
Urban population	126,537	127,703	128,869	129,951	131,005	132,024	133,008	134,000	134,910	135,778	136,598	137,364	138,122	138,772	139,352	139,857
Rural population	295,231	296,137	296,863	297,519	298,098	298,583	298,977	299,236	299,443	299,548	299,539	299,405	299,112	298,718	298,174	297,470
Percent urban	30.00	30.13	30.27	30.40	30.53	30.66	30.79	30.93	31.06	31.19	31.32	31.45	31.59	31.72	31.85	31.98
Percent rural	70.00	69.87	69.73	69.60	69.47	69.34	69.21	69.07	68.94	68.81	68.68	68.55	68.41	68.28	68.15	68.02

Table D.28.b Age groups and sex distribution for every five years from the population projection of 28-Giresun province

Population by Age and Sex - Total 28-Giresun							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	26.343	13.506	12.837	0-4	25.818	13.210	12.607
5-9	30.909	15.852	15.057	5-9	25.708	13.246	12.462
10-14	35.649	18.187	17.462	10-14	29.854	15.331	14.523
15-19	37.200	18.879	18.321	15-19	34.606	17.561	17.045
20-24	32.531	16.540	15.991	20-24	34.261	17.600	16.661
25-29	30.488	15.548	14.940	25-29	28.637	14.330	14.307
30-34	28.151	14.291	13.860	30-34	29.061	14.229	14.832
35-39	28.392	14.195	14.197	35-39	28.551	14.570	13.981
40-44	28.632	14.651	13.981	40-44	28.600	14.440	14.160
45-49	27.603	14.108	13.495	45-49	29.548	15.016	14.533
50-54	26.350	13.254	13.096	50-54	30.651	15.556	15.095
55-59	19.981	9.993	9.988	55-59	29.795	15.107	14.688
60-64	16.184	7.187	8.997	60-64	21.613	10.916	10.697
65-69	15.644	7.035	8.609	65-69	16.102	7.159	8.943
70-74	14.533	6.691	7.842	70-74	14.171	6.344	7.826
75-79	14.296	6.471	7.825	75-79	11.536	5.198	6.338
80+	8.882	2.670	6.212	80+	12.095	4.510	7.586
TOTAL	421.768	209.058	212.710	TOTAL	430.608	214.324	216.284
2018	Total	Male	Female	2023	Total	Male	Female
0-4	23.547	12.046	11.502	0-4	20.415	10.440	9.975
5-9	25.199	12.958	12.241	5-9	22.948	11.801	11.147
10-14	24.669	12.733	11.936	10-14	24.166	12.447	11.718
15-19	28.834	14.717	14.117	15-19	23.667	12.129	11.538
20-24	31.691	16.294	15.396	20-24	25.950	13.467	12.482
25-29	30.375	15.393	14.983	25-29	27.831	14.100	13.731
30-34	27.236	13.025	14.211	30-34	28.983	14.089	14.894
35-39	29.475	14.517	14.957	35-39	27.680	13.328	14.351
40-44	28.783	14.824	13.959	40-44	29.724	14.783	14.941
45-49	29.550	14.825	14.725	45-49	29.764	15.222	14.542
50-54	32.595	16.465	16.131	50-54	32.645	16.306	16.339
55-59	33.987	17.341	16.646	55-59	35.930	18.251	17.679
60-64	30.897	15.707	15.189	60-64	34.926	17.840	17.087
65-69	21.064	10.522	10.541	65-69	29.565	14.850	14.715
70-74	14.652	6.498	8.154	70-74	18.944	9.354	9.590
75-79	11.375	4.999	6.377	75-79	11.845	5.169	6.676
80+	12.208	4.712	7.496	80+	12.345	4.789	7.557
TOTAL	436.138	217.575	218.562	TOTAL	437.327	218.364	218.963

Table D.29.a Summary table for annual results of the population projection of 29-Gümüşhane province

29-Gümüşhane	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	2,44	2,4	2,37	2,33	2,3	2,26	2,22	2,19	2,15	2,12	2,08	2,04	2,01	1,97	1,94	1,9
GRR	1,19	1,17	1,16	1,14	1,12	1,1	1,08	1,07	1,05	1,03	1,01	1	0,98	0,96	0,95	0,93
NRR	1,14	1,12	1,11	1,09	1,08	1,06	1,05	1,03	1,01	1	0,98	0,96	0,95	0,93	0,92	0,9
Mean A. Childb.	27,5	27,6	27,6	27,7	27,8	27,9	27,9	28	28,1	28,2	28,2	28,3	28,4	28,5	28,5	28,6
Child-woman ratio	0,3	0,31	0,32	0,32	0,33	0,34	0,34	0,33	0,33	0,33	0,32	0,32	0,32	0,31	0,31	0,3
Fertility table: Custom																
Mortality																
Male LE	70,7	70,7	70,9	71	71,2	71,3	71,4	71,6	71,7	71,8	72	72,1	72,2	72,4	72,5	72,6
Female LE	72,9	73	73,1	73,2	73,4	73,5	73,7	73,8	74	74,1	74,3	74,4	74,6	74,7	74,9	75
Total LE	71,8	71,8	72	72,1	72,3	72,4	72,5	72,7	72,8	73	73,1	73,2	73,4	73,5	73,7	73,8
IMR	22,7	22,2	21,7	21,2	20,8	20,3	19,9	19,5	19,1	18,7	18,3	17,9	17,4	17	16,6	16,2
U5MR	26,9	26,3	25,6	25	24,4	23,9	23,4	22,8	22,3	21,8	21,3	20,7	20,2	19,7	19,2	18,7
Life table: Coale-Demeny West																
Immigration																
Male immigration	162	162	162	162	162	162	162	162	162	162	162	162	162	162	162	162
Female immigration	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46
Total immigration	208	208	208	208	208	208	208	208	208	208	208	208	208	208	208	208
Vital Rates																
CBR per 1000	18,6	18,1	17,8	17,4	17,0	16,6	16,2	15,8	15,3	14,9	14,3	13,8	13,3	12,7	12,2	11,6
CDR per 1000	10,6	10,5	10,6	10,7	10,8	10,8	10,8	10,9	10,9	11,0	11,1	11,3	11,5	11,7	11,9	12,1
RNI percent	0,79	0,77	0,72	0,67	0,63	0,58	0,53	0,49	0,44	0,39	0,32	0,25	0,18	0,10	0,03	-0,05
GR percent	0,95	0,93	0,87	0,82	0,78	0,73	0,68	0,64	0,59	0,53	0,47	0,40	0,33	0,25	0,17	0,09
Doubling time	73,1	75,2	79,7	84,8	89,3	95,1	102,0	108,8	118,7	130,2	148,3	175,0	211,8	278,6	397,3	750,0
Annual Births&Deaths																
Births	2.441	2.406	2.382	2.346	2.317	2.275	2.229	2.191	2.138	2.090	2.025	1.954	1.889	1.810	1.737	1.652
Deaths	1.397	1.387	1.421	1.446	1.465	1.480	1.496	1.511	1.528	1.548	1.572	1.600	1.631	1.663	1.696	1.728
Population																
Total population	131.366	132.615	133.805	134.934	136.015	137.039	138.001	138.909	139.748	140.518	141.200	141.782	142.268	142.643	142.912	143.064
Male population	65.747	66.507	67.229	67.912	68.564	69.182	69.764	70.315	70.827	71.301	71.728	72.101	72.424	72.689	72.898	73.045
Female population	65.619	66.108	66.576	67.022	67.451	67.856	68.237	68.594	68.921	69.217	69.472	69.681	69.844	69.954	70.014	70.018
Percent 0-4	7,48	7,71	7,92	8,10	8,26	8,39	8,21	8,02	7,83	7,64	7,43	7,21	6,98	6,74	6,49	6,23
Percent 5-14	17,69	16,80	15,96	15,17	14,48	13,88	13,67	13,55	13,50	13,51	13,56	13,67	13,75	13,81	13,85	13,85
Percent 15-49	52,02	51,98	51,89	51,73	51,47	51,10	50,61	50,01	49,33	48,58	47,80	46,98	46,20	45,46	44,76	44,10
Percent 15-64	64,09	64,66	65,22	65,74	66,18	66,51	66,72	66,80	66,76	66,62	66,40	66,08	65,76	65,44	65,13	64,84
Percent 65 and over	10,74	10,83	10,90	10,98	11,08	11,22	11,40	11,63	11,91	12,23	12,61	13,04	13,50	14,00	14,53	15,07
Percent females 15-49	50,47	50,52	50,52	50,44	50,25	49,91	49,45	48,86	48,18	47,43	46,62	45,79	44,96	44,16	43,41	42,71
Sex ratio	100,20	100,60	100,98	101,33	101,65	101,95	102,24	102,51	102,77	103,01	103,25	103,47	103,69	103,91	104,12	104,32
Dependency ratio	0,56	0,55	0,53	0,52	0,51	0,50	0,50	0,50	0,50	0,50	0,50	0,51	0,51	0,52	0,53	0,54
Median age	29	30	30	31	32	32	33	34	34	35	36	36	37	38	39	39
Urban population	26.239	26.908	27.564	28.228	28.876	29.518	30.167	30.796	31.429	32.038	32.645	33.220	33.775	34.320	34.828	35.322
Rural population	105.127	105.708	106.241	106.706	107.139	107.521	107.834	108.113	108.319	108.480	108.554	108.563	108.494	108.323	108.084	107.741
Percent urban	19,97	20,29	20,60	20,92	21,23	21,54	21,86	22,17	22,49	22,80	23,12	23,43	23,74	24,06	24,37	24,69
Percent rural	80,03	79,71	79,40	79,08	78,77	78,46	78,14	77,83	77,51	77,20	76,88	76,57	76,26	75,94	75,63	75,31

Table D.29.b Age groups and sex distribution for every five years from the population projection of 29-Gümüşhane province

Population by Age and Sex - Total 29-Gümüşhane							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	9.829	5.056	4.773	0-4	11.493	5.888	5.605
5-9	10.806	5.613	5.193	5-9	9.262	4.734	4.528
10-14	12.439	6.238	6.201	10-14	9.763	5.063	4.700
15-19	12.432	6.286	6.146	15-19	11.558	5.910	5.648
20-24	11.482	6.010	5.472	20-24	11.454	5.899	5.555
25-29	10.412	5.377	5.035	25-29	10.370	5.349	5.022
30-34	9.192	4.824	4.368	30-34	9.676	5.022	4.654
35-39	8.796	4.395	4.401	35-39	8.974	4.799	4.175
40-44	8.490	4.430	4.060	40-44	8.877	4.448	4.429
45-49	7.537	3.898	3.639	45-49	9.114	4.727	4.388
50-54	6.543	3.229	3.314	50-54	8.173	4.220	3.954
55-59	5.080	2.464	2.616	55-59	7.194	3.626	3.567
60-64	4.223	1.804	2.419	60-64	5.754	2.792	2.961
65-69	4.337	1.952	2.385	65-69	4.670	2.011	2.659
70-74	3.392	1.612	1.780	70-74	4.349	1.964	2.385
75-79	3.739	1.775	1.964	75-79	2.957	1.408	1.549
80+	2.637	784	1.853	80+	3.401	1.322	2.078
TOTAL	131.366	65.747	65.619	TOTAL	137.039	69.182	67.856
2018	Total	Male	Female	2023	Total	Male	Female
0-4	10.490	5.374	5.116	0-4	8.913	4.565	4.348
5-9	10.926	5.566	5.360	5-9	9.931	5.055	4.876
10-14	8.223	4.186	4.037	10-14	9.887	5.018	4.869
15-19	8.891	4.740	4.151	15-19	7.357	3.867	3.490
20-24	10.588	5.528	5.060	20-24	7.933	4.363	3.569
25-29	10.348	5.241	5.107	25-29	9.491	4.874	4.617
30-34	9.640	4.996	4.644	30-34	9.624	4.892	4.732
35-39	9.461	4.998	4.463	35-39	9.432	4.976	4.456
40-44	9.062	4.853	4.209	40-44	9.553	5.054	4.499
45-49	9.506	4.750	4.756	45-49	9.698	5.154	4.544
50-54	9.726	5.034	4.692	50-54	10.124	5.064	5.060
55-59	8.776	4.583	4.193	55-59	10.291	5.375	4.917
60-64	7.754	3.882	3.872	60-64	9.266	4.788	4.477
65-69	6.069	2.902	3.167	65-69	7.903	3.889	4.015
70-74	4.655	2.025	2.630	70-74	5.867	2.783	3.085
75-79	3.703	1.677	2.026	75-79	3.963	1.738	2.225
80+	3.381	1.393	1.989	80+	3.831	1.591	2.239
TOTAL	141.200	71.728	69.472	TOTAL	143.064	73.045	70.018

Table D.30.a Summary table for annual results of the population projection of 30-Hakkari province

30-Hakkari	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	5,71	5,63	5,55	5,47	5,39	5,31	5,23	5,15	5,07	4,99	4,92	4,84	4,76	4,68	4,60	4,52
GRR	2,79	2,75	2,71	2,67	2,63	2,59	2,55	2,51	2,47	2,43	2,40	2,36	2,32	2,28	2,24	2,20
NRR	2,62	2,59	2,55	2,52	2,48	2,45	2,41	2,38	2,34	2,31	2,28	2,24	2,21	2,17	2,14	2,10
Mean A. Childb.	29,1	29,0	29,0	29,0	28,9	28,9	28,9	28,8	28,8	28,8	28,8	28,7	28,7	28,7	28,6	28,6
Child-woman ratio	0,60	0,64	0,69	0,73	0,77	0,81	0,80	0,79	0,78	0,77	0,76	0,75	0,74	0,73	0,72	0,71
Fertility table: Custom																
Mortality																
Male LE	67,9	68,0	68,1	68,2	68,3	68,4	68,5	68,6	68,7	68,8	68,9	69,0	69,1	69,2	69,3	69,4
Female LE	71,2	71,2	71,3	71,4	71,6	71,7	71,8	71,9	72,0	72,1	72,2	72,3	72,4	72,5	72,6	72,7
Total LE	69,4	69,5	69,6	69,7	69,8	69,9	70,0	70,1	70,2	70,3	70,4	70,5	70,6	70,7	70,8	70,9
IMR	37,7	37,3	36,8	36,4	35,9	35,5	35,0	34,6	34,1	33,7	33,2	32,8	32,3	31,9	31,4	31,0
U5MR	43,6	43,0	42,5	41,9	41,4	40,8	40,3	39,7	39,2	38,6	38,1	37,5	37,0	36,4	35,9	35,3
Life table: Coale-Demeny East																
Immigration																
Male immigration	1.117	1.117	1.117	1.117	1.117	1.117	1.117	1.117	1.117	1.117	1.117	1.117	1.117	1.117	1.117	1.117
Female immigration	-297	-297	-297	-297	-297	-297	-297	-297	-297	-297	-297	-297	-297	-297	-297	-297
Total immigration	820	820	820	820	820	820	820	820	820	820	820	820	820	820	820	820
Vital Rates																
CBR per 1000	42,9	42,1	41,4	40,6	39,8	38,9	38,1	37,2	36,4	35,6	34,8	34,0	33,2	32,4	31,6	30,8
CDR per 1000	5,1	4,9	4,8	4,7	4,6	4,5	4,4	4,3	4,2	4,1	4,1	4,0	4,0	3,9	3,9	3,9
RNI percent	3,79	3,73	3,65	3,59	3,52	3,44	3,37	3,29	3,22	3,15	3,08	3,00	2,93	2,85	2,77	2,69
GR percent	4,10	4,03	3,95	3,87	3,79	3,70	3,62	3,54	3,45	3,37	3,30	3,21	3,13	3,05	2,97	2,88
Doubling time	17,2	17,5	17,9	18,3	18,6	19,1	19,5	19,9	20,4	20,9	21,4	21,9	22,5	23,1	23,7	24,4
Annual Births&Deaths																
Births	11.103	11.354	11.602	11.839	12.058	12.259	12.445	12.615	12.774	12.921	13.082	13.206	13.314	13.402	13.464	13.495
Deaths	1.315	1.313	1.351	1.373	1.393	1.412	1.433	1.454	1.475	1.498	1.526	1.556	1.588	1.622	1.657	1.693
Population																
Total population	258.591	269.449	280.518	291.801	303.284	314.949	326.779	338.758	350.875	363.115	375.488	387.955	400.499	413.097	425.722	438.342
Male population	138.494	144.751	151.109	157.571	164.129	170.774	177.498	184.294	191.155	198.074	205.057	212.083	219.144	226.227	233.320	240.406
Female population	120.097	124.698	129.409	134.230	139.155	144.175	149.280	154.464	159.720	165.041	170.431	175.872	181.356	186.870	192.402	197.936
Percent 0-4	13,76	14,61	15,47	16,33	17,19	18,03	17,71	17,38	17,04	16,71	16,37	16,05	15,72	15,39	15,07	14,73
Percent 5-14	26,25	25,40	24,51	23,60	22,72	21,88	22,26	22,69	23,13	23,59	24,04	24,51	24,99	25,48	25,97	26,48
Percent 15-49	52,54	52,56	52,60	52,63	52,64	52,60	52,50	52,36	52,18	52,00	51,80	51,56	51,29	51,00	50,70	50,37
Percent 15-64	57,49	57,57	57,68	57,80	57,88	57,90	57,86	57,78	57,66	57,54	57,41	57,25	57,07	56,88	56,68	56,46
Percent 65 and over	2,50	2,41	2,33	2,27	2,22	2,18	2,16	2,15	2,16	2,17	2,18	2,20	2,22	2,25	2,28	2,33
Percent females 15-49	49,02	48,96	48,91	48,84	48,75	48,62	48,45	48,24	48,00	47,74	47,48	47,23	46,97	46,69	46,40	46,09
Sex ratio	115,32	116,08	116,77	117,39	117,95	118,45	118,90	119,31	119,68	120,02	120,32	120,59	120,84	121,06	121,27	121,46
Dependency ratio	0,74	0,74	0,73	0,73	0,73	0,73	0,73	0,73	0,73	0,74	0,74	0,75	0,75	0,76	0,76	0,77
Median age	19	20	20	20	20	20	20	20	20	20	20	21	21	21	21	21
Urban population	121.186	128.150	135.378	142.837	150.580	158.545	166.788	175.240	183.964	192.887	202.088	211.475	221.116	230.921	240.959	251.126
Rural population	137.405	141.299	145.140	148.964	152.703	156.404	159.991	163.518	166.911	170.228	173.400	176.481	179.384	182.176	184.763	187.216
Percent urban	46,86	47,56	48,26	48,95	49,65	50,34	51,04	51,73	52,43	53,12	53,82	54,51	55,21	55,90	56,60	57,29
Percent rural	53,14	52,44	51,74	51,05	50,35	49,66	48,96	48,27	47,57	46,88	46,18	45,49	44,79	44,10	43,40	42,71

Table D.30.b Age groups and sex distribution for every five years from the population projection of 30-Hakkari province

Population by Age and Sex - Total 30-Hakkari							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	35.573	18.134	17.439	0-4	56.791	29.012	27.779
5-9	34.758	17.826	16.932	5-9	34.952	17.791	17.161
10-14	33.130	16.960	16.170	10-14	33.971	17.448	16.523
15-19	28.899	15.001	13.898	15-19	32.164	16.319	15.844
20-24	35.165	24.181	10.984	20-24	30.096	15.915	14.181
25-29	25.735	13.540	12.195	25-29	38.010	26.879	11.131
30-34	17.014	8.940	8.074	30-34	27.043	15.360	11.683
35-39	12.055	6.575	5.480	35-39	17.133	9.529	7.604
40-44	9.328	4.822	4.506	40-44	11.932	6.721	5.212
45-49	7.656	3.926	3.730	45-49	9.270	4.831	4.439
50-54	5.611	2.625	2.986	50-54	7.418	3.791	3.628
55-59	4.219	1.846	2.373	55-59	5.344	2.460	2.884
60-64	2.977	1.343	1.634	60-64	3.949	1.713	2.236
65-69	2.315	1.162	1.153	65-69	2.664	1.188	1.476
70-74	1.560	704	856	70-74	1.883	915	968
75-79	1.326	525	801	75-79	1.112	475	637
80+	1.270	384	886	80+	1.218	430	788
TOTAL	258.591	138.494	120.097	TOTAL	314.949	170.774	144.175
2018	Total	Male	Female	2023	Total	Male	Female
0-4	61.486	31.420	30.066	0-4	64.580	33.010	31.571
5-9	56.081	28.624	27.457	5-9	60.785	31.038	29.748
10-14	34.170	17.416	16.755	10-14	55.266	28.230	27.036
15-19	33.008	16.809	16.200	15-19	33.214	16.780	16.433
20-24	33.357	17.232	16.125	20-24	34.206	17.724	16.482
25-29	32.998	18.679	14.319	25-29	36.254	19.995	16.259
30-34	39.236	28.607	10.629	30-34	34.281	20.475	13.805
35-39	27.091	15.899	11.191	35-39	39.194	29.045	10.149
40-44	16.963	9.644	7.319	40-44	26.830	15.952	10.878
45-49	11.837	6.699	5.138	45-49	16.799	9.577	7.222
50-54	8.996	4.671	4.325	50-54	11.502	6.488	5.014
55-59	7.076	3.567	3.509	55-59	8.597	4.408	4.189
60-64	5.006	2.280	2.725	60-64	6.626	3.303	3.324
65-69	3.545	1.516	2.030	65-69	4.502	2.018	2.484
70-74	2.188	939	1.248	70-74	2.937	1.210	1.727
75-79	1.351	624	727	75-79	1.588	645	943
80+	1.099	430	669	80+	1.180	508	672
TOTAL	375.488	205.057	170.431	TOTAL	438.342	240.406	197.936

Table D.31.a Summary table for annual results of the population projection of 31-Hatay province

31-Hatay	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	2,63	2,60	2,58	2,56	2,53	2,51	2,48	2,46	2,44	2,41	2,39	2,37	2,34	2,32	2,30	2,27
GRR	1,28	1,27	1,26	1,25	1,23	1,22	1,21	1,20	1,19	1,18	1,17	1,16	1,14	1,13	1,12	1,11
NRR	1,22	1,21	1,20	1,19	1,18	1,17	1,15	1,15	1,14	1,12	1,12	1,11	1,09	1,09	1,08	1,06
Mean A. Childb.	27,1	27,2	27,3	27,4	27,5	27,6	27,7	27,8	27,9	28,0	28,1	28,2	28,3	28,4	28,5	28,6
Child-woman ratio	0,38	0,38	0,38	0,38	0,38	0,37	0,37	0,36	0,36	0,35	0,35	0,34	0,34	0,33	0,33	0,33
Fertility table: Custom																
Mortality																
Male LE	69,1	69,1	69,2	69,3	69,5	69,6	69,7	69,9	70,0	70,1	70,3	70,4	70,5	70,7	70,8	71,0
Female LE	71,3	71,4	71,5	71,6	71,7	71,9	72,0	72,1	72,3	72,4	72,5	72,7	72,8	72,9	73,1	73,2
Total LE	70,2	70,2	70,3	70,5	70,6	70,7	70,9	71,0	71,1	71,3	71,4	71,5	71,7	71,8	71,9	72,1
IMR	28,3	27,9	27,4	26,9	26,5	26,0	25,5	25,1	24,6	24,2	23,7	23,2	22,8	22,3	21,8	21,4
U5MR	34,3	33,7	33,1	32,5	31,9	31,3	30,7	30,1	29,5	28,8	28,2	27,6	27,0	26,4	25,8	25,2
Life table: Coale-Demeny West																
Immigration																
Male immigration	-1.917	-1.917	-1.917	-1.917	-1.917	-1.917	-1.917	-1.917	-1.917	-1.917	-1.917	-1.917	-1.917	-1.917	-1.917	-1.917
Female immigration	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248
Total immigration	-3.165	-3.165	-3.165	-3.165	-3.165	-3.165	-3.165	-3.165	-3.165	-3.165	-3.165	-3.165	-3.165	-3.165	-3.165	-3.165
Vital Rates																
CBR per 1000	22,1	21,6	21,2	20,8	20,3	19,9	19,5	19,2	18,9	18,5	18,2	18,0	17,7	17,4	17,2	17,0
CDR per 1000	7,0	6,8	6,8	6,8	6,7	6,7	6,7	6,7	6,7	6,7	6,7	6,7	6,7	6,7	6,8	6,8
RNI percent	1,52	1,48	1,44	1,40	1,36	1,32	1,28	1,25	1,22	1,18	1,16	1,13	1,10	1,07	1,05	1,01
GR percent	1,29	1,26	1,22	1,19	1,14	1,11	1,07	1,04	1,02	0,98	0,96	0,93	0,90	0,88	0,85	0,82
Doubling time	54,0	55,4	57,1	58,8	61,0	62,8	65,0	66,8	68,6	71,0	72,8	74,7	77,2	79,2	81,5	84,7
Annual Births&Deaths																
Births	31.248	30.933	30.712	30.477	30.127	29.909	29.588	29.398	29.220	28.935	28.784	28.648	28.407	28.302	28.208	27.996
Deaths	9.825	9.745	9.843	9.928	10.006	10.086	10.162	10.247	10.335	10.424	10.520	10.624	10.741	10.885	11.062	11.270
Population																
Total population	1.413.286	1.431.332	1.449.059	1.466.466	1.483.444	1.500.126	1.516.410	1.532.420	1.548.163	1.563.533	1.578.655	1.593.538	1.608.062	1.622.338	1.636.344	1.649.929
Male population	708.578	717.571	726.384	735.018	743.419	751.655	759.678	767.553	775.284	782.819	790.224	797.503	804.595	811.558	818.378	824.980
Female population	704.708	713.761	722.674	731.447	740.025	748.471	756.732	764.867	772.879	780.714	788.432	796.035	803.467	810.780	817.965	824.949
Percent 0-4	10,28	10,24	10,18	10,11	10,02	9,91	9,72	9,54	9,37	9,21	9,06	8,92	8,78	8,66	8,54	8,43
Percent 5-14	20,12	19,99	19,83	19,64	19,46	19,28	19,19	19,09	18,98	18,85	18,69	18,52	18,34	18,16	17,96	17,76
Percent 15-49	53,69	53,54	53,41	53,30	53,20	53,09	52,96	52,82	52,67	52,53	52,40	52,25	52,09	51,94	51,78	51,63
Percent 15-64	64,19	64,41	64,64	64,89	65,13	65,35	65,56	65,74	65,90	66,05	66,18	66,29	66,39	66,46	66,52	66,57
Percent 65 and over	5,41	5,36	5,35	5,36	5,40	5,46	5,53	5,63	5,75	5,90	6,07	6,26	6,48	6,72	6,98	7,24
Percent females 15-49	53,69	53,52	53,38	53,26	53,14	53,02	52,89	52,76	52,61	52,46	52,31	52,14	51,97	51,78	51,60	51,44
Sex ratio	100,55	100,53	100,51	100,49	100,46	100,43	100,39	100,35	100,31	100,27	100,23	100,18	100,14	100,10	100,05	100,00
Dependency ratio	0,56	0,55	0,55	0,54	0,54	0,53	0,53	0,52	0,52	0,51	0,51	0,51	0,51	0,50	0,50	0,50
Median age	26	26	27	27	27	27	28	28	28	28	29	29	29	29	29	30
Urban population	713.396	725.972	738.440	750.977	763.232	775.565	787.624	799.617	811.702	823.513	835.267	847.125	858.705	870.222	881.826	893.106
Rural population	699.890	705.361	710.618	715.489	720.212	724.561	728.787	732.803	736.461	740.020	743.389	746.413	749.357	752.116	754.518	756.822
Percent urban	50,48	50,72	50,96	51,21	51,45	51,70	51,94	52,18	52,43	52,67	52,91	53,16	53,40	53,64	53,89	54,13
Percent rural	49,52	49,28	49,04	48,79	48,55	48,30	48,06	47,82	47,57	47,33	47,09	46,84	46,60	46,36	46,11	45,87

Table D.31.b Age groups and sex distribution for every five years from the population projection of 31-Hakkari province

Population by Age and Sex - Total 31-Hatay							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	145.249	74.204	71.045	0-4	148.661	75.730	72.932
5-9	143.531	73.469	70.062	5-9	145.825	74.271	71.554
10-14	140.812	72.219	68.593	10-14	143.413	73.597	69.816
15-19	125.668	64.276	61.392	15-19	136.973	70.300	66.673
20-24	123.753	63.244	60.509	20-24	119.658	60.323	59.336
25-29	122.820	61.061	61.759	25-29	117.918	58.955	58.963
30-34	110.215	54.288	55.927	30-34	120.021	59.405	60.615
35-39	103.370	50.725	52.645	35-39	110.420	54.922	55.497
40-44	92.811	46.823	45.988	40-44	101.628	50.207	51.421
45-49	80.216	40.067	40.149	45-49	89.742	45.395	44.347
50-54	65.186	32.440	32.746	50-54	77.150	38.514	38.637
55-59	48.436	24.182	24.254	55-59	61.884	30.540	31.345
60-64	34.726	16.498	18.228	60-64	44.972	22.149	22.823
65-69	22.678	10.467	12.211	65-69	31.153	14.547	16.607
70-74	23.207	11.301	11.906	70-74	18.888	8.522	10.366
75-79	18.039	8.546	9.493	75-79	16.870	8.007	8.864
80+	12.569	4.768	7.801	80+	14.948	6.273	8.674
TOTAL	1.413.286	708.578	704.708	TOTAL	1.500.126	751.655	748.471
2018	Total	Male	Female	2023	Total	Male	Female
0-4	142.988	72.842	70.146	0-4	139.106	70.870	68.236
5-9	149.319	75.842	73.476	5-9	143.762	73.018	70.744
10-14	145.737	74.416	71.321	10-14	149.259	76.003	73.255
15-19	139.608	71.696	67.912	15-19	141.969	72.535	69.434
20-24	130.969	66.346	64.622	20-24	133.652	67.768	65.884
25-29	113.916	56.088	57.828	25-29	125.236	62.113	63.123
30-34	115.226	57.351	57.874	30-34	111.321	54.538	56.783
35-39	120.228	60.040	60.188	35-39	115.555	58.046	57.509
40-44	108.695	54.407	54.288	40-44	118.503	59.526	58.978
45-49	98.517	48.776	49.741	45-49	105.589	52.972	52.617
50-54	86.535	43.749	42.786	50-54	95.224	47.110	48.114
55-59	73.464	36.389	37.076	55-59	82.607	41.460	41.148
60-64	57.658	28.084	29.575	60-64	68.644	33.578	35.066
65-69	40.421	19.577	20.843	65-69	51.972	24.894	27.078
70-74	26.094	11.920	14.173	70-74	33.961	16.098	17.863
75-79	13.887	6.100	7.787	75-79	19.361	8.616	10.745
80+	15.394	6.600	8.794	80+	14.207	5.835	8.373
TOTAL	1.578.655	790.224	788.432	TOTAL	1.649.929	824.980	824.949

Table D.32.a Summary table for annual results of the population projection of 32-Isparta province

32-Isparta	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	1,85	1,83	1,80	1,78	1,76	1,73	1,71	1,69	1,66	1,64	1,62	1,59	1,57	1,54	1,52	1,50
GRR	0,90	0,89	0,88	0,87	0,86	0,84	0,83	0,82	0,81	0,80	0,79	0,78	0,77	0,75	0,74	0,73
NRR	0,86	0,85	0,84	0,83	0,82	0,80	0,80	0,79	0,77	0,77	0,76	0,74	0,73	0,72	0,71	0,70
Mean A. Childb.	27,1	27,2	27,3	27,4	27,5	27,6	27,7	27,8	27,9	28,0	28,1	28,2	28,3	28,4	28,5	28,6
Child-woman ratio	0,26	0,27	0,27	0,27	0,27	0,26	0,26	0,25	0,24	0,23	0,23	0,22	0,21	0,21	0,20	0,20
Fertility table: Custom																
Mortality																
Male LE	69,1	69,1	69,2	69,3	69,5	69,6	69,7	69,9	70,0	70,1	70,3	70,4	70,5	70,7	70,8	71,0
Female LE	71,3	71,4	71,5	71,6	71,7	71,9	72,0	72,1	72,3	72,4	72,5	72,7	72,8	72,9	73,1	73,2
Total LE	70,2	70,2	70,3	70,5	70,6	70,7	70,9	71,0	71,1	71,3	71,4	71,5	71,7	71,8	71,9	72,1
IMR	28,3	27,9	27,4	26,9	26,5	26,0	25,5	25,1	24,6	24,2	23,7	23,2	22,8	22,3	21,8	21,4
U5MR	34,3	33,7	33,1	32,5	31,9	31,3	30,7	30,1	29,5	28,8	28,2	27,6	27,0	26,4	25,8	25,2
Life table: Coale-Demeny West																
Immigration																
Male immigration	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630
Female immigration	567	567	567	567	567	567	567	567	567	567	567	567	567	567	567	567
Total immigration	1.197	1.197	1.197	1.197	1.197	1.197	1.197	1.197	1.197	1.197	1.197	1.197	1.197	1.197	1.197	1.197
Vital Rates																
CBR per 1000	14,9	14,5	14,0	13,5	13,1	12,5	12,1	11,7	11,2	10,8	10,4	10,0	9,7	9,4	9,1	8,9
CDR per 1000	10,8	10,6	10,6	10,6	10,6	10,5	10,4	10,4	10,3	10,3	10,4	10,4	10,5	10,6	10,8	10,9
RNI percent	0,42	0,39	0,33	0,29	0,25	0,21	0,17	0,13	0,08	0,04	0,01	-0,04	-0,08	-0,12	-0,16	-0,20
GR percent	0,71	0,68	0,62	0,58	0,54	0,49	0,45	0,41	0,36	0,32	0,28	0,24	0,20	0,15	0,12	0,08
Doubling time	97,8	102,2	111,6	120,1	129,3	141,6	154,3	169,3	190,7	213,9	243,6	290,7	348,9	451,0	597,1	866,7
Annual Births&Deaths																
Births	6.083	5.949	5.770	5.616	5.456	5.263	5.098	4.934	4.746	4.595	4.455	4.297	4.175	4.037	3.938	3.849
Deaths	4.382	4.354	4.394	4.408	4.408	4.400	4.397	4.393	4.395	4.407	4.433	4.470	4.517	4.572	4.634	4.701
Population																
Total population	407.460	410.297	412.916	415.365	417.656	419.760	421.702	423.484	425.076	426.505	427.768	428.835	429.734	430.439	430.983	431.372
Male population	204.079	205.647	207.101	208.466	209.747	210.931	212.028	213.040	213.951	214.774	215.508	216.138	216.676	217.112	217.460	217.726
Female population	203.381	204.651	205.815	206.899	207.908	208.829	209.674	210.444	211.125	211.731	212.260	212.698	213.058	213.328	213.523	213.646
Percent 0-4	6,97	7,01	6,99	6,94	6,83	6,68	6,45	6,24	6,02	5,81	5,61	5,41	5,23	5,07	4,91	4,78
Percent 5-14	14,49	14,42	14,35	14,29	14,27	14,28	14,34	14,37	14,36	14,30	14,19	14,05	13,87	13,64	13,37	13,06
Percent 15-49	53,90	53,51	53,16	52,82	52,49	52,18	51,88	51,62	51,38	51,17	50,97	50,77	50,57	50,39	50,22	50,06
Percent 15-64	68,72	68,81	68,93	69,06	69,16	69,22	69,24	69,23	69,23	69,22	69,23	69,23	69,24	69,26	69,30	69,34
Percent 65 and over	9,82	9,76	9,72	9,71	9,74	9,83	9,97	10,16	10,39	10,67	10,97	11,30	11,66	12,03	12,42	12,82
Percent females 15-49	52,90	52,50	52,11	51,74	51,37	51,02	50,70	50,42	50,18	49,96	49,76	49,55	49,34	49,14	48,95	48,79
Sex ratio	100,34	100,49	100,62	100,76	100,88	101,01	101,12	101,23	101,34	101,44	101,53	101,62	101,70	101,77	101,84	101,91
Dependency ratio	0,46	0,45	0,45	0,45	0,45	0,44	0,44	0,44	0,44	0,44	0,44	0,44	0,44	0,44	0,44	0,44
Median age	32	32	33	33	33	34	34	35	35	36	36	37	37	38	38	39
Urban population	175.815	180.736	185.647	190.528	195.338	200.141	204.905	209.582	214.238	218.797	223.338	227.797	232.142	236.440	240.618	244.760
Rural population	231.645	229.561	227.269	224.837	222.318	219.618	216.797	213.902	210.838	207.708	204.430	201.038	197.592	193.999	190.365	186.612
Percent urban	43,15	44,05	44,96	45,87	46,77	47,68	48,59	49,49	50,40	51,30	52,21	53,12	54,02	54,93	55,83	56,74
Percent rural	56,85	55,95	55,04	54,13	53,23	52,32	51,41	50,51	49,60	48,70	47,79	46,88	45,98	45,07	44,17	43,26

Table D.32.b Age groups and sex distribution for every five years from the population projection of 32-Isparta province

Population by Age and Sex - Total							
32-Isparta							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	28.390	14.692	13.698	0-4	28.028	14.421	13.608
5-9	28.758	14.749	14.009	5-9	29.852	15.384	14.468
10-14	30.283	15.557	14.726	10-14	30.083	15.367	14.716
15-19	31.772	16.273	15.499	15-19	34.214	17.639	16.575
20-24	40.266	21.843	18.423	20-24	28.705	15.077	13.628
25-29	33.558	17.293	16.265	25-29	32.703	17.824	14.879
30-34	30.300	15.344	14.956	30-34	34.041	16.996	17.044
35-39	28.959	14.276	14.683	35-39	31.961	16.225	15.736
40-44	27.374	13.519	13.855	40-44	29.721	14.871	14.850
45-49	27.397	13.484	13.913	45-49	27.682	13.842	13.840
50-54	24.685	12.037	12.648	50-54	27.251	13.424	13.827
55-59	20.438	10.170	10.268	55-59	24.422	11.843	12.579
60-64	15.259	7.137	8.122	60-64	19.840	9.755	10.086
65-69	12.407	5.725	6.682	65-69	14.273	6.609	7.664
70-74	9.838	4.387	5.451	70-74	10.742	4.872	5.870
75-79	10.624	4.801	5.823	75-79	7.393	3.203	4.190
80+	7.152	2.792	4.360	80+	8.850	3.579	5.272
TOTAL	407.460	204.079	203.381	TOTAL	419.760	210.931	208.829
2018	Total	Male	Female	2023	Total	Male	Female
0-4	23.986	12.355	11.631	0-4	20.602	10.625	9.977
5-9	29.513	15.126	14.388	5-9	25.505	13.078	12.427
10-14	31.182	16.005	15.177	10-14	30.851	15.751	15.100
15-19	34.024	17.456	16.569	15-19	35.129	18.096	17.033
20-24	31.150	16.444	14.706	20-24	30.977	16.270	14.707
25-29	21.229	11.111	10.118	25-29	23.675	12.478	11.197
30-34	33.211	17.534	15.676	30-34	21.823	10.872	10.952
35-39	35.695	17.876	17.819	35-39	34.894	18.423	16.472
40-44	32.717	16.813	15.904	40-44	36.444	18.463	17.980
45-49	30.021	15.187	14.834	45-49	33.005	17.116	15.888
50-54	27.567	13.793	13.774	50-54	29.889	15.125	14.764
55-59	26.923	13.187	13.736	55-59	27.274	13.567	13.707
60-64	23.614	11.324	12.290	60-64	26.009	12.598	13.411
65-69	18.417	8.939	9.478	65-69	21.874	10.355	11.519
70-74	12.356	5.622	6.734	70-74	15.878	7.558	8.320
75-79	8.128	3.583	4.545	75-79	9.384	4.151	5.232
80+	8.036	3.153	4.882	80+	8.159	3.198	4.961
TOTAL	427.768	215.508	212.260	TOTAL	431.372	217.726	213.646

Table D.33.a Summary table for annual results of the population projection of 33-Mersin province

33-Mersin	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	
Fertility																	
Input TFR	2,07	2,04	2,02	2,00	1,97	1,95	1,93	1,90	1,88	1,85	1,83	1,81	1,78	1,76	1,74	1,71	
GRR	1,01	1,00	0,99	0,98	0,96	0,95	0,94	0,93	0,92	0,90	0,89	0,88	0,87	0,86	0,85	0,83	
NRR	0,96	0,95	0,94	0,93	0,92	0,91	0,90	0,89	0,88	0,86	0,85	0,85	0,83	0,82	0,82	0,80	
Mean A. Childb.	27,1	27,2	27,3	27,4	27,5	27,6	27,7	27,8	27,9	28,0	28,1	28,2	28,3	28,4	28,5	28,6	
Child-woman ratio	0,30	0,30	0,30	0,29	0,29	0,29	0,29	0,28	0,28	0,28	0,27	0,27	0,27	0,26	0,26	0,26	
Fertility table: Custom																	
Mortality																	
Male LE	69,1	69,1	69,2	69,3	69,5	69,6	69,7	69,9	70,0	70,1	70,3	70,4	70,5	70,7	70,8	71,0	
Female LE	71,3	71,4	71,5	71,6	71,7	71,9	72,0	72,1	72,3	72,4	72,5	72,7	72,8	72,9	73,1	73,2	
Total LE	70,2	70,2	70,4	70,5	70,6	70,7	70,9	71,0	71,1	71,3	71,4	71,5	71,7	71,8	72,0	72,1	
IMR	28,3	27,9	27,4	26,9	26,5	26,0	25,6	25,1	24,6	24,2	23,7	23,2	22,8	22,3	21,8	21,4	
U5MR	34,3	33,7	33,1	32,5	31,9	31,3	30,7	30,1	29,4	28,8	28,2	27,6	27,1	26,4	25,8	25,2	
Life table: Coale-Demeny West																	
Immigration																	
Male immigration	-2.220	-2.220	-2.220	-2.220	-2.220	-2.220	-2.220	-2.220	-2.220	-2.220	-2.220	-2.220	-2.220	-2.220	-2.220	-2.220	-2.220
Female immigration	-1.114	-1.114	-1.114	-1.114	-1.114	-1.114	-1.114	-1.114	-1.114	-1.114	-1.114	-1.114	-1.114	-1.114	-1.114	-1.114	-1.114
Total immigration	-3.334	-3.334	-3.334	-3.334	-3.334	-3.334	-3.334	-3.334	-3.334	-3.334	-3.334	-3.334	-3.334	-3.334	-3.334	-3.334	-3.334
Vital Rates																	
CBR per 1000	17,3	17,0	16,7	16,4	16,1	15,8	15,6	15,3	15,0	14,7	14,5	14,2	13,9	13,7	13,4	13,1	
CDR per 1000	7,6	7,4	7,5	7,5	7,5	7,5	7,5	7,5	7,6	7,6	7,7	7,7	7,8	7,9	8,0	8,2	
RNI percent	0,98	0,95	0,92	0,90	0,86	0,84	0,81	0,77	0,75	0,71	0,68	0,65	0,61	0,57	0,54	0,50	
GR percent	0,77	0,75	0,72	0,69	0,66	0,63	0,61	0,58	0,55	0,52	0,49	0,45	0,41	0,38	0,35	0,30	
Doubling time	90,6	93,3	96,8	100,4	105,4	109,6	114,1	120,6	126,2	134,9	143,1	152,9	167,6	181,9	199,9	228,1	
Annual Births&Deaths																	
Births	27.750	27.392	27.159	26.918	26.537	26.287	26.038	25.652	25.395	24.988	24.699	24.391	23.941	23.620	23.287	22.807	
Deaths	12.105	12.013	12.140	12.236	12.327	12.421	12.527	12.640	12.763	12.910	13.080	13.270	13.475	13.691	13.931	14.181	
Population																	
Total population	1.602.909	1.614.980	1.626.691	1.638.065	1.648.967	1.659.526	1.669.730	1.679.435	1.688.759	1.697.531	1.705.843	1.713.658	1.720.818	1.727.440	1.733.491	1.738.811	
Male population	796.910	802.716	808.321	813.737	818.896	823.866	828.640	833.146	837.447	841.454	845.217	848.717	851.875	854.751	857.330	859.531	
Female population	805.999	812.264	818.370	824.328	830.071	835.660	841.090	846.288	851.313	856.077	860.626	864.941	868.943	872.689	876.161	879.280	
Percent 0-4	8,20	8,19	8,16	8,11	8,04	7,95	7,82	7,70	7,57	7,45	7,32	7,20	7,08	6,95	6,84	6,71	
Percent 5-14	18,01	17,66	17,32	17,00	16,70	16,45	16,27	16,10	15,96	15,82	15,69	15,60	15,48	15,35	15,20	15,03	
Percent 15-49	54,77	54,71	54,64	54,56	54,45	54,31	54,13	53,92	53,69	53,44	53,17	52,87	52,58	52,31	52,05	51,81	
Percent 15-64	67,44	67,76	68,07	68,36	68,62	68,85	69,02	69,15	69,24	69,30	69,32	69,28	69,25	69,21	69,17	69,14	
Percent 65 and over	6,35	6,39	6,46	6,53	6,63	6,75	6,89	7,05	7,23	7,43	7,66	7,92	8,19	8,49	8,79	9,11	
Percent females 15-49	54,96	54,92	54,87	54,79	54,68	54,54	54,35	54,14	53,90	53,64	53,38	53,07	52,77	52,48	52,21	51,97	
Sex ratio	98,87	98,82	98,77	98,72	98,65	98,59	98,52	98,45	98,37	98,29	98,21	98,12	98,04	97,94	97,85	97,75	
Dependency ratio	0,48	0,48	0,47	0,46	0,46	0,45	0,45	0,45	0,44	0,44	0,44	0,44	0,44	0,44	0,45	0,45	
Median age	29	29	30	30	30	31	31	31	31	31	32	32	33	33	33	34	
Urban population	1.193.551	1.214.626	1.235.472	1.256.232	1.276.960	1.297.418	1.317.751	1.338.006	1.357.931	1.377.716	1.397.086	1.416.167	1.434.990	1.453.295	1.471.213	1.488.770	
Rural population	409.358	400.353	391.219	381.833	372.007	362.109	351.979	341.429	330.828	319.815	308.758	297.491	285.828	274.145	262.277	250.041	
Percent urban	74,46	75,21	75,95	76,69	77,44	78,18	78,92	79,67	80,41	81,16	81,90	82,64	83,39	84,13	84,87	85,62	
Percent rural	25,54	24,79	24,05	23,31	22,56	21,82	21,08	20,33	19,59	18,84	18,10	17,36	16,61	15,87	15,13	14,38	

Table D.33.b Age groups and sex distribution for every five years from the population projection of 33-Mersin province

Population by Age and Sex - Total 33-Mersin							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	131.466	67.531	63.935	0-4	131.899	67.519	64.380
5-9	138.996	71.400	67.596	5-9	133.088	68.176	64.912
10-14	149.716	76.599	73.117	10-14	139.968	71.933	68.036
15-19	144.502	73.618	70.884	15-19	146.299	74.890	71.409
20-24	127.684	60.635	67.049	20-24	138.869	69.932	68.938
25-29	136.737	68.076	68.661	25-29	122.425	56.529	65.897
30-34	128.144	63.486	64.658	30-34	133.435	65.293	68.142
35-39	123.311	60.748	62.563	35-39	127.759	63.428	64.331
40-44	114.649	57.146	57.503	40-44	121.288	60.173	61.115
45-49	102.846	51.155	51.691	45-49	111.258	55.347	55.912
50-54	86.391	43.233	43.158	50-54	98.435	48.841	49.594
55-59	66.402	32.964	33.438	55-59	81.421	40.652	40.769
60-64	50.335	24.316	26.019	60-64	61.328	30.091	31.237
65-69	37.201	17.650	19.551	65-69	44.249	20.970	23.279
70-74	26.952	12.552	14.400	70-74	30.402	14.108	16.294
75-79	21.886	9.924	11.962	75-79	19.415	8.786	10.629
80+	15.691	5.877	9.814	80+	17.988	7.201	10.788
TOTAL	1.602.909	796.910	805.999	TOTAL	1.659.526	823.866	835.660
2018	Total	Male	Female	2023	Total	Male	Female
0-4	124.922	63.963	60.959	0-4	116.732	59.784	56.948
5-9	133.609	68.214	65.395	5-9	126.744	64.719	62.026
10-14	134.108	68.736	65.372	10-14	134.660	68.791	65.869
15-19	136.624	70.263	66.361	15-19	130.823	67.099	63.723
20-24	140.721	71.231	69.490	20-24	131.149	66.660	64.488
25-29	133.616	65.804	67.812	25-29	135.534	67.136	68.398
30-34	119.300	53.863	65.437	30-34	130.503	63.121	67.383
35-39	133.100	65.267	67.833	35-39	119.164	53.969	65.196
40-44	125.799	62.882	62.917	40-44	131.198	64.760	66.438
45-49	117.914	58.390	59.524	45-49	122.491	61.130	61.361
50-54	106.769	52.990	53.779	50-54	113.418	56.039	57.380
55-59	93.119	46.076	47.043	55-59	101.297	50.132	51.165
60-64	75.510	37.275	38.235	60-64	86.660	42.396	44.264
65-69	54.253	26.142	28.111	65-69	67.178	32.586	34.592
70-74	36.440	16.892	19.548	70-74	45.000	21.222	23.779
75-79	22.118	9.973	12.145	75-79	26.749	12.051	14.698
80+	17.923	7.257	10.666	80+	19.511	7.936	11.575
TOTAL	1.705.843	845.217	860.626	TOTAL	1.738.811	859.531	879.280

34-İstanbul:

All of the calculations and population projection processes of this region are the same with TR1-İstanbul region. Projection results as summary tables and age-sex distribution are provided with the relevant tables of TR1-İstanbul region by the codes “**Table.C.1.a**” and “**Table.C.1.b**”.

Table D.35.b Age groups and sex distribution for every five years from the population projection of 35-İzmir province

Population by Age and Sex - Total 35-İzmir							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	255.874	131.524	124.350	0-4	256.265	131.195	125.070
5-9	252.159	129.852	122.307	5-9	269.140	138.610	130.530
10-14	278.984	143.780	135.204	10-14	268.446	138.496	129.950
15-19	288.669	148.247	140.422	15-19	293.123	151.231	141.892
20-24	317.633	163.402	154.231	20-24	309.064	156.642	152.422
25-29	349.568	176.714	172.854	25-29	339.895	172.753	167.143
30-34	327.872	165.011	162.861	30-34	364.041	184.577	179.464
35-39	303.042	150.587	152.455	35-39	338.170	170.327	167.842
40-44	279.313	139.499	139.814	40-44	310.971	154.375	156.596
45-49	267.082	134.144	132.938	45-49	282.618	141.233	141.385
50-54	236.745	118.713	118.032	50-54	264.925	133.101	131.825
55-59	190.327	94.697	95.630	55-59	229.952	114.700	115.251
60-64	143.958	70.350	73.608	60-64	180.210	88.694	91.517
65-69	104.831	49.489	55.342	65-69	131.408	63.116	68.293
70-74	80.937	35.901	45.036	70-74	90.745	41.755	48.990
75-79	64.984	27.161	37.823	75-79	63.132	27.090	36.043
80+	53.997	18.719	35.278	80+	63.498	23.471	40.027
TOTAL	3.795.975	1.897.790	1.898.185	TOTAL	4.055.605	2.031.365	2.024.240
2018	Total	Male	Female	2023	Total	Male	Female
0-4	249.602	127.900	121.702	0-4	239.911	123.047	116.865
5-9	269.684	138.386	131.299	5-9	263.176	135.194	127.982
10-14	285.485	147.295	138.190	10-14	286.104	147.122	138.982
15-19	282.714	146.035	136.679	15-19	299.860	154.909	144.951
20-24	313.702	159.753	153.949	20-24	303.494	154.695	148.798
25-29	331.599	166.178	165.421	25-29	336.481	169.450	167.031
30-34	354.700	180.821	173.879	30-34	346.719	174.447	172.272
35-39	374.607	190.065	184.543	35-39	365.685	186.562	179.123
40-44	346.410	174.314	172.097	40-44	383.258	194.318	188.940
45-49	314.648	156.372	158.275	45-49	350.569	176.625	173.944
50-54	281.080	140.606	140.474	50-54	313.661	156.137	157.524
55-59	258.459	129.320	129.139	55-59	275.450	137.380	138.070
60-64	219.328	108.408	110.920	60-64	248.194	123.257	124.937
65-69	166.263	80.625	85.638	65-69	204.388	99.760	104.628
70-74	115.224	54.127	61.097	70-74	147.618	70.223	77.395
75-79	72.043	32.206	39.837	75-79	93.017	42.621	50.397
80+	69.101	26.760	42.341	80+	79.464	32.585	46.878
TOTAL	4.304.649	2.159.168	2.145.481	TOTAL	4.537.049	2.278.332	2.258.717

Table D.36.a Summary table for annual results of the population projection of 36-Kars province

36-Kars	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	2,93	2,89	2,86	2,82	2,79	2,75	2,72	2,68	2,65	2,61	2,58	2,54	2,51	2,47	2,44	2,40
GRR	1,43	1,41	1,40	1,38	1,36	1,34	1,33	1,31	1,29	1,27	1,26	1,24	1,22	1,20	1,19	1,17
NRR	1,35	1,33	1,32	1,30	1,29	1,27	1,26	1,24	1,22	1,21	1,19	1,18	1,16	1,15	1,13	1,12
Mean A. Childb.	29,1	29,0	29,0	29,0	28,9	28,9	28,9	28,8	28,8	28,8	28,8	28,7	28,7	28,7	28,6	28,6
Child-woman ratio	0,45	0,44	0,44	0,43	0,41	0,40	0,39	0,38	0,36	0,35	0,34	0,33	0,32	0,31	0,30	0,29
Fertility table: Custom																
Mortality																
Male LE	67,9	68,0	68,1	68,2	68,3	68,4	68,5	68,6	68,7	68,8	68,9	69,0	69,1	69,2	69,3	69,4
Female LE	71,2	71,2	71,3	71,4	71,6	71,7	71,8	71,9	72,0	72,1	72,2	72,3	72,4	72,5	72,6	72,7
Total LE	69,5	69,5	69,6	69,7	69,8	69,9	70,0	70,1	70,2	70,3	70,4	70,5	70,6	70,7	70,8	70,9
IMR	37,7	37,3	36,8	36,4	35,9	35,5	35,0	34,6	34,1	33,7	33,2	32,8	32,3	31,9	31,4	31,0
U5MR	43,6	43,0	42,5	41,9	41,4	40,8	40,3	39,7	39,2	38,6	38,1	37,5	37,0	36,4	35,9	35,3
Life table: Coale-Demeny East																
Immigration																
Male immigration	-4.473	-4.473	-4.473	-4.473	-4.473	-4.473	-4.473	-4.473	-4.473	-4.473	-4.473	-4.473	-4.473	-4.473	-4.473	-4.473
Female immigration	-4.398	-4.398	-4.398	-4.398	-4.398	-4.398	-4.398	-4.398	-4.398	-4.398	-4.398	-4.398	-4.398	-4.398	-4.398	-4.398
Total immigration	-8.871	-8.871	-8.871	-8.871	-8.871	-8.871	-8.871	-8.871	-8.871	-8.871	-8.871	-8.871	-8.871	-8.871	-8.871	-8.871
Vital Rates																
CBR per 1000	22,0	21,4	20,9	20,3	19,7	19,0	18,4	17,7	17,1	16,4	15,9	15,2	14,7	14,1	13,6	13,1
CDR per 1000	7,4	7,4	7,5	7,5	7,6	7,6	7,7	7,7	7,8	8,0	8,1	8,3	8,6	8,9	9,2	9,6
RNI percent	1,46	1,40	1,34	1,27	1,21	1,14	1,08	1,00	0,93	0,85	0,77	0,69	0,61	0,52	0,44	0,35
GR percent	-1,38	-1,49	-1,59	-1,71	-1,83	-1,96	-2,09	-2,24	-2,39	-2,55	-2,72	-2,91	-3,10	-3,31	-3,53	-3,77
Doubling time	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
Annual Births&Deaths																
Births	6.865	6.584	6.320	6.027	5.749	5.447	5.163	4.861	4.581	4.291	4.026	3.756	3.513	3.269	3.048	2.825
Deaths	2.311	2.289	2.273	2.244	2.210	2.176	2.148	2.121	2.097	2.079	2.067	2.060	2.056	2.055	2.057	2.061
Population																
Total population	312.128	307.469	302.562	297.391	291.977	286.295	280.357	274.145	267.677	260.936	253.943	246.688	239.193	231.455	223.494	215.307
Male population	163.678	161.316	158.830	156.213	153.475	150.603	147.602	144.462	141.193	137.787	134.253	130.585	126.796	122.883	118.855	114.711
Female population	148.450	146.154	143.732	141.178	138.502	135.693	132.756	129.683	126.483	123.149	119.690	116.102	112.397	108.572	104.639	100.595
Percent 0-4	10,77	10,59	10,37	10,10	9,79	9,42	9,14	8,83	8,53	8,22	7,91	7,60	7,30	7,00	6,71	6,43
Percent 5-14	21,26	21,11	20,92	20,70	20,48	20,31	20,03	19,76	19,46	19,12	18,72	18,30	17,80	17,24	16,58	15,84
Percent 15-49	52,62	52,58	52,58	52,62	52,66	52,69	52,68	52,66	52,60	52,50	52,37	52,17	51,92	51,64	51,33	51,03
Percent 15-64	62,09	62,28	62,51	62,78	63,10	63,45	63,83	64,24	64,67	65,11	65,55	65,96	66,37	66,80	67,24	67,72
Percent 65 and over	5,87	6,02	6,21	6,42	6,63	6,83	7,00	7,17	7,34	7,55	7,81	8,14	8,53	8,97	9,46	10,00
Percent females 15-49	50,27	50,15	50,05	49,98	49,92	49,84	49,75	49,64	49,50	49,31	49,08	48,81	48,50	48,15	47,77	47,39
Sex ratio	110,26	110,37	110,50	110,65	110,81	110,99	111,18	111,40	111,63	111,89	112,17	112,47	112,81	113,18	113,59	114,03
Dependency ratio	0,61	0,61	0,60	0,59	0,58	0,58	0,57	0,56	0,55	0,54	0,53	0,52	0,51	0,50	0,49	0,48
Median age	24	24	24	25	25	26	26	27	27	28	29	30	30	31	32	34
Urban population	96.730	97.007	97.122	97.128	96.966	96.682	96.219	95.622	94.838	93.911	92.791	91.521	90.056	88.439	86.626	84.659
Rural population	215.398	210.463	205.440	200.263	195.012	189.613	184.139	178.523	172.839	167.025	161.152	155.166	149.137	143.016	136.868	130.648
Percent urban	30,99	31,55	32,10	32,66	33,21	33,77	34,32	34,88	35,43	35,99	36,54	37,10	37,65	38,21	38,76	39,32
Percent rural	69,01	68,45	67,90	67,34	66,79	66,23	65,68	65,12	64,57	64,01	63,46	62,90	62,35	61,79	61,24	60,68

Table D.36.b Age groups and sex distribution for every five years from the population projection of 36-Kars province

Population by Age and Sex - Total 36-Kars							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	33.631	17.151	16.480	0-4	26.965	13.695	13.270
5-9	33.320	17.241	16.079	5-9	29.333	14.837	14.496
10-14	33.047	17.014	16.033	10-14	28.804	14.897	13.907
15-19	30.498	15.942	14.556	15-19	29.146	15.118	14.028
20-24	35.108	21.739	13.369	20-24	23.947	13.064	10.883
25-29	27.694	14.621	13.073	25-29	26.321	17.506	8.815
30-34	21.839	11.663	10.176	30-34	21.352	11.079	10.273
35-39	19.335	10.224	9.111	35-39	18.446	9.660	8.786
40-44	15.851	8.342	7.509	40-44	17.376	9.193	8.183
45-49	13.907	7.070	6.837	45-49	14.248	7.581	6.667
50-54	11.678	5.858	5.820	50-54	12.383	6.292	6.091
55-59	8.828	4.170	4.658	55-59	10.559	5.220	5.338
60-64	9.062	4.237	4.825	60-64	7.866	3.681	4.185
65-69	6.330	2.847	3.483	65-69	7.837	3.645	4.192
70-74	4.416	2.052	2.364	70-74	5.110	2.250	2.860
75-79	4.559	2.184	2.375	75-79	3.028	1.343	1.685
80+	3.025	1.323	1.702	80+	3.575	1.541	2.033
TOTAL	312.128	163.678	148.450	TOTAL	286.295	150.603	135.693
2018	Total	Male	Female	2023	Total	Male	Female
0-4	20.090	10.180	9.910	0-4	13.852	6.990	6.862
5-9	22.717	11.408	11.309	5-9	15.884	7.914	7.969
10-14	24.831	12.502	12.329	10-14	18.231	9.082	9.150
15-19	24.921	13.012	11.909	15-19	20.964	10.628	10.336
20-24	22.610	12.251	10.360	20-24	18.411	10.160	8.250
25-29	15.242	8.899	6.343	25-29	13.920	8.096	5.824
30-34	19.990	13.949	6.041	30-34	8.992	5.407	3.585
35-39	17.973	9.087	8.886	35-39	16.622	11.938	4.685
40-44	16.506	8.641	7.865	40-44	16.050	8.082	7.968
45-49	15.758	8.422	7.336	45-49	14.915	7.887	7.028
50-54	12.725	6.795	5.931	50-54	14.209	7.617	6.592
55-59	11.245	5.638	5.607	55-59	11.583	6.124	5.459
60-64	9.493	4.653	4.840	60-64	10.148	5.045	5.103
65-69	6.789	3.169	3.620	65-69	8.264	4.032	4.233
70-74	6.365	2.896	3.469	70-74	5.518	2.523	2.995
75-79	3.573	1.500	2.073	75-79	4.488	1.955	2.533
80+	3.114	1.252	1.862	80+	3.257	1.234	2.023
TOTAL	253.943	134.253	119.690	TOTAL	215.307	114.711	100.595

Table D.37.a Summary table for annual results of the population projection of 37-Kastamonu province

37-Kastamonu	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	1,70	1,68	1,66	1,64	1,62	1,60	1,58	1,56	1,54	1,52	1,50	1,48	1,46	1,44	1,42	1,40
GRR	0,83	0,82	0,81	0,80	0,79	0,78	0,77	0,76	0,75	0,74	0,73	0,72	0,71	0,70	0,69	0,68
NRR	0,80	0,79	0,78	0,77	0,76	0,75	0,74	0,74	0,73	0,72	0,71	0,70	0,69	0,68	0,67	0,66
Mean A. Childb.	27,5	27,6	27,6	27,7	27,8	27,9	27,9	28,0	28,1	28,2	28,2	28,3	28,4	28,5	28,5	28,6
Child-woman ratio	0,26	0,26	0,26	0,26	0,25	0,24	0,24	0,23	0,23	0,22	0,22	0,21	0,21	0,20	0,20	0,19
Fertility table: Custom																
Mortality																
Male LE	70,7	70,7	70,9	71,0	71,2	71,3	71,4	71,6	71,7	71,8	72,0	72,1	72,2	72,4	72,5	72,6
Female LE	72,9	73,0	73,1	73,2	73,4	73,5	73,7	73,8	74,0	74,1	74,3	74,4	74,6	74,7	74,9	75,0
Total LE	71,8	71,9	72,0	72,1	72,3	72,4	72,6	72,7	72,8	73,0	73,1	73,3	73,4	73,5	73,7	73,8
IMR	22,7	22,2	21,7	21,2	20,8	20,3	19,9	19,5	19,1	18,7	18,3	17,9	17,4	17,0	16,6	16,2
U5MR	26,9	26,3	25,6	25,0	24,4	23,9	23,4	22,8	22,3	21,8	21,3	20,7	20,2	19,7	19,2	18,7
Life table: Coale-Demeny West																
Immigration																
Male immigration	542	542	542	542	542	542	542	542	542	542	542	542	542	542	542	542
Female immigration	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230
Total immigration	772	772	772	772	772	772	772	772	772	772	772	772	772	772	772	772
Vital Rates																
CBR per 1000	12,4	12,1	11,8	11,5	11,2	10,8	10,4	10,1	9,7	9,3	9,0	8,6	8,3	8,0	7,7	7,4
CDR per 1000	13,3	13,2	13,3	13,4	13,4	13,4	13,5	13,5	13,5	13,6	13,7	13,9	14,1	14,4	14,6	14,8
RNI percent	-0,09	-0,10	-0,15	-0,19	-0,23	-0,26	-0,30	-0,34	-0,38	-0,43	-0,48	-0,53	-0,59	-0,64	-0,69	-0,75
GR percent	0,13	0,11	0,06	0,02	-0,01	-0,05	-0,09	-0,13	-0,17	-0,21	-0,26	-0,31	-0,37	-0,42	-0,48	-0,53
Doubling time	537,1	623,4	1078,9	2928,6	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
Annual Births&Deaths																
Births	4.471	4.377	4.272	4.158	4.035	3.904	3.767	3.626	3.485	3.344	3.207	3.072	2.942	2.818	2.699	2.588
Deaths	4.778	4.747	4.812	4.844	4.854	4.852	4.855	4.855	4.862	4.882	4.917	4.967	5.025	5.088	5.150	5.209
Population																
Total population	360.423	360.865	361.138	361.264	361.257	361.121	360.844	360.427	359.861	359.135	358.235	357.151	355.878	354.417	352.777	350.965
Male population	176.832	177.341	177.756	178.088	178.343	178.525	178.628	178.650	178.589	178.438	178.192	177.846	177.398	176.849	176.201	175.459
Female population	183.591	183.524	183.382	183.177	182.914	182.595	182.216	181.776	181.272	180.696	180.043	179.305	178.480	177.569	176.576	175.506
Percent 0-4	6,35	6,28	6,18	6,04	5,87	5,67	5,51	5,34	5,17	5,00	4,82	4,65	4,48	4,31	4,16	4,01
Percent 5-14	13,72	13,45	13,22	13,03	12,86	12,73	12,54	12,36	12,19	12,01	11,83	11,64	11,40	11,14	10,83	10,48
Percent 15-49	48,50	48,18	47,83	47,47	47,10	46,74	46,39	46,03	45,68	45,31	44,92	44,52	44,13	43,76	43,39	43,04
Percent 15-64	65,46	65,70	65,94	66,17	66,37	66,52	66,62	66,67	66,67	66,62	66,54	66,42	66,29	66,16	66,03	65,91
Percent 65 and over	14,47	14,57	14,66	14,76	14,89	15,08	15,33	15,62	15,97	16,37	16,81	17,30	17,83	18,39	18,98	19,60
Percent females 15-49	47,54	47,21	46,86	46,49	46,13	45,78	45,45	45,12	44,80	44,46	44,10	43,70	43,30	42,91	42,53	42,18
Sex ratio	96,32	96,63	96,93	97,22	97,50	97,77	98,03	98,28	98,52	98,75	98,97	99,19	99,39	99,59	99,79	99,97
Dependency ratio	0,53	0,52	0,52	0,51	0,51	0,50	0,50	0,50	0,50	0,50	0,50	0,51	0,51	0,51	0,51	0,52
Median age	35	36	36	37	38	38	39	39	40	41	41	42	43	43	44	45
Urban population	107.903	110.605	113.253	115.857	118.420	120.939	123.409	125.825	128.147	130.438	132.654	134.789	136.835	138.790	140.652	142.422
Rural population	252.520	250.260	247.885	245.407	242.837	240.181	237.435	234.602	231.715	228.697	225.580	222.362	219.043	215.628	212.125	208.543
Percent urban	29,94	30,65	31,36	32,07	32,78	33,49	34,20	34,91	35,61	36,32	37,03	37,74	38,45	39,16	39,87	40,58
Percent rural	70,06	69,35	68,64	67,93	67,22	66,51	65,80	65,09	64,39	63,68	62,97	62,26	61,55	60,84	60,13	59,42

Table D.37.b Age groups and sex distribution for every five years from the population projection of 37-Kastamonu province

Population by Age and Sex - Total							
37-Kastamonu							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	22.902	11.770	11.132	0-4	20.472	10.487	9.984
5-9	23.753	12.077	11.676	5-9	22.568	11.514	11.054
10-14	25.687	13.115	12.572	10-14	23.394	11.723	11.671
15-19	27.585	14.023	13.562	15-19	24.760	12.694	12.066
20-24	27.456	13.532	13.924	20-24	23.940	12.597	11.343
25-29	27.436	13.861	13.575	25-29	24.210	11.956	12.254
30-34	24.278	12.341	11.937	30-34	26.248	13.017	13.231
35-39	22.882	11.314	11.568	35-39	23.846	12.143	11.702
40-44	22.100	11.072	11.028	40-44	23.034	11.401	11.633
45-49	23.076	11.397	11.679	45-49	22.755	11.389	11.365
50-54	22.710	11.191	11.519	50-54	24.887	12.344	12.543
55-59	20.462	9.852	10.610	55-59	24.820	12.313	12.508
60-64	17.948	8.368	9.580	60-64	21.719	10.593	11.125
65-69	17.319	7.799	9.520	65-69	17.943	8.452	9.491
70-74	12.638	5.771	6.867	70-74	15.609	6.995	8.614
75-79	13.421	6.016	7.405	75-79	9.878	4.462	5.416
80+	8.770	3.333	5.437	80+	11.040	4.445	6.595
TOTAL	360.423	176.832	183.591	TOTAL	361.121	178.525	182.595
2018	Total	Male	Female	2023	Total	Male	Female
0-4	17.272	8.848	8.424	0-4	14.062	7.202	6.859
5-9	20.159	10.241	9.918	5-9	16.977	8.610	8.368
10-14	22.216	11.163	11.052	10-14	19.815	9.895	9.920
15-19	22.480	11.310	11.170	15-19	21.310	10.754	10.556
20-24	21.136	11.279	9.857	20-24	18.872	9.904	8.968
25-29	20.721	11.031	9.690	25-29	17.939	9.724	8.215
30-34	23.052	11.128	11.925	30-34	19.592	10.213	9.379
35-39	25.820	12.822	12.997	35-39	22.658	10.951	11.707
40-44	24.010	12.233	11.777	40-44	25.988	12.915	13.073
45-49	23.702	11.727	11.975	45-49	24.691	12.561	12.130
50-54	24.609	12.356	12.252	50-54	25.574	12.707	12.867
55-59	26.961	13.442	13.520	55-59	26.745	13.484	13.261
60-64	25.871	12.916	12.955	60-64	27.957	14.009	13.948
65-69	21.419	10.474	10.946	65-69	25.264	12.596	12.667
70-74	16.206	7.579	8.627	70-74	19.248	9.314	9.934
75-79	12.197	5.400	6.797	75-79	12.729	5.880	6.849
80+	10.404	4.244	6.161	80+	11.543	4.739	6.804
TOTAL	358.235	178.192	180.043	TOTAL	350.965	175.459	175.506

Table D.38.a Summary table for annual results of the population projection of 38-Kayseri province

38-Kayseri	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	2,28	2,25	2,23	2,20	2,18	2,15	2,13	2,10	2,08	2,05	2,03	2,00	1,98	1,95	1,93	1,90
GRR	1,11	1,10	1,09	1,07	1,06	1,05	1,04	1,02	1,01	1,00	0,99	0,98	0,97	0,95	0,94	0,93
NRR	1,08	1,06	1,06	1,04	1,04	1,02	1,01	1,00	0,99	0,98	0,97	0,96	0,95	0,93	0,93	0,91
Mean A. Childb.	27,0	27,2	27,3	27,4	27,5	27,6	27,7	27,8	27,9	28,0	28,1	28,2	28,3	28,4	28,5	28,6
Child-woman ratio	0,35	0,35	0,34	0,34	0,33	0,33	0,32	0,32	0,31	0,31	0,30	0,30	0,29	0,29	0,28	0,28
Fertility table: Custom																
Mortality																
Male LE	71,9	71,8	72,0	72,1	72,3	72,4	72,6	72,7	72,9	73,1	73,2	73,4	73,5	73,7	73,9	74,0
Female LE	74,1	74,2	74,5	74,8	75,0	75,2	75,5	75,7	75,9	76,1	76,4	76,6	76,8	77,1	77,3	77,6
Total LE	73,0	73,0	73,2	73,4	73,6	73,8	74,0	74,2	74,4	74,6	74,8	75,0	75,2	75,4	75,6	75,8
IMR	19,1	18,5	17,9	17,3	16,7	16,2	15,8	15,3	14,8	14,3	13,9	13,4	12,9	12,4	12,0	11,5
U5MR	22,3	21,5	20,8	20,0	19,3	18,7	18,1	17,6	17,0	16,4	15,9	15,3	14,7	14,2	13,6	13,0
Life table: Coale-Demeny West																
Immigration																
Male immigration	521	521	521	521	521	521	521	521	521	521	521	521	521	521	521	521
Female immigration	879	879	879	879	879	879	879	879	879	879	879	879	879	879	879	879
Total immigration	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400
Vital Rates																
CBR per 1000	19,2	18,8	18,5	18,1	17,8	17,5	17,2	16,8	16,5	16,2	15,9	15,6	15,3	15,0	14,8	14,5
CDR per 1000	6,5	6,3	6,3	6,3	6,2	6,2	6,2	6,1	6,1	6,1	6,1	6,1	6,1	6,2	6,2	6,3
RNI percent	1,27	1,25	1,22	1,19	1,16	1,13	1,10	1,07	1,04	1,01	0,98	0,95	0,92	0,88	0,85	0,82
GR percent	1,39	1,37	1,34	1,30	1,27	1,24	1,21	1,18	1,15	1,11	1,09	1,05	1,02	0,98	0,95	0,92
Doubling time	50,2	51,0	52,2	53,7	54,9	56,4	57,6	59,3	60,6	62,6	64,2	66,5	68,4	70,9	73,0	75,9
Annual Births&Deaths																
Births	22.748	22.607	22.543	22.361	22.271	22.074	21.975	21.766	21.652	21.426	21.299	21.070	20.944	20.715	20.594	20.368
Deaths	7.667	7.568	7.678	7.746	7.793	7.833	7.883	7.931	7.988	8.063	8.158	8.272	8.402	8.542	8.691	8.846
Population																
Total population	1.184.385	1.200.834	1.217.110	1.233.136	1.249.024	1.264.676	1.280.179	1.295.425	1.310.499	1.325.273	1.339.823	1.354.032	1.367.985	1.381.569	1.394.882	1.407.814
Male population	595.275	603.634	611.878	619.972	627.977	635.846	643.624	651.257	658.789	666.151	673.382	680.417	687.301	693.976	700.490	706.790
Female population	589.110	597.199	605.231	613.164	621.048	628.830	636.555	644.168	651.710	659.122	666.442	673.614	680.683	687.593	694.392	701.024
Percent 0-4	9,39	9,26	9,13	8,99	8,84	8,69	8,54	8,39	8,24	8,09	7,95	7,80	7,67	7,53	7,40	7,28
Percent 5-14	18,27	18,14	17,98	17,81	17,63	17,47	17,33	17,20	17,05	16,90	16,72	16,50	16,27	16,05	15,82	15,58
Percent 15-49	54,23	54,18	54,14	54,12	54,09	54,04	53,96	53,87	53,77	53,67	53,57	53,50	53,41	53,30	53,19	53,07
Percent 15-64	65,96	66,18	66,42	66,68	66,92	67,13	67,31	67,47	67,60	67,73	67,86	68,01	68,14	68,26	68,37	68,47
Percent 65 and over	6,38	6,42	6,47	6,53	6,61	6,70	6,82	6,95	7,11	7,28	7,47	7,69	7,92	8,16	8,41	8,67
Percent females 15-49	53,69	53,67	53,66	53,65	53,63	53,60	53,54	53,46	53,38	53,29	53,21	53,14	53,05	52,94	52,82	52,69
Sex ratio	101,05	101,08	101,10	101,11	101,12	101,12	101,11	101,10	101,09	101,07	101,04	101,01	100,97	100,93	100,88	100,82
Dependency ratio	0,52	0,51	0,51	0,50	0,49	0,49	0,49	0,48	0,48	0,48	0,47	0,47	0,47	0,46	0,46	0,46
Median age	28	28	28	29	29	29	30	30	30	30	31	31	31	32	32	32
Urban population	892.290	919.479	947.033	974.670	1.002.717	1.030.838	1.059.348	1.087.898	1.116.807	1.145.698	1.174.891	1.204.140	1.233.375	1.262.754	1.292.079	1.321.515
Rural population	292.095	281.355	270.077	258.465	246.308	233.839	220.831	207.527	193.692	179.574	164.932	149.891	134.610	118.815	102.803	86.299
Percent urban	75,34	76,57	77,81	79,04	80,28	81,51	82,75	83,98	85,22	86,45	87,69	88,93	90,16	91,40	92,63	93,87
Percent rural	24,66	23,43	22,19	20,96	19,72	18,49	17,25	16,02	14,78	13,55	12,31	11,07	9,84	8,60	7,37	6,13

Table D.38.b Age groups and sex distribution for every five years from the population projection of 38-Kayseri province

Population by Age and Sex - Total 38-Kayseri							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	111.233	56.942	54.291	0-4	109.899	56.250	53.649
5-9	107.582	55.146	52.436	5-9	111.838	57.166	54.671
10-14	108.781	55.388	53.393	10-14	109.153	55.919	53.234
15-19	101.822	51.992	49.830	15-19	109.871	56.209	53.663
20-24	104.524	53.284	51.240	20-24	102.911	52.456	50.454
25-29	108.928	55.763	53.165	25-29	104.376	52.438	51.939
30-34	95.335	48.570	46.765	30-34	108.167	54.984	53.183
35-39	86.435	43.387	43.048	35-39	95.778	48.624	47.154
40-44	76.786	38.754	38.032	40-44	86.510	43.278	43.232
45-49	68.500	34.314	34.186	45-49	75.758	38.349	37.409
50-54	57.899	29.529	28.370	50-54	66.676	33.336	33.340
55-59	45.630	22.954	22.676	55-59	55.817	28.282	27.536
60-64	35.320	16.176	19.144	60-64	43.136	21.456	21.680
65-69	27.141	12.381	14.760	65-69	32.215	14.556	17.659
70-74	19.147	8.252	10.895	70-74	23.254	10.411	12.843
75-79	18.101	8.501	9.600	75-79	14.425	6.053	8.372
80+	11.221	3.942	7.279	80+	14.893	6.079	8.814
TOTAL	1.184.385	595.275	589.110	TOTAL	1.264.676	635.846	628.830
2018	Total	Male	Female	2023	Total	Male	Female
0-4	106.516	54.498	52.019	0-4	102.423	52.390	50.033
5-9	110.563	56.498	54.064	5-9	107.230	54.771	52.458
10-14	113.426	57.947	55.479	10-14	112.172	57.290	54.883
15-19	110.275	56.754	53.521	15-19	114.572	58.793	55.779
20-24	110.985	56.681	54.304	20-24	111.434	57.249	54.185
25-29	102.828	51.640	51.188	25-29	110.935	55.877	55.058
30-34	103.704	51.702	52.001	30-34	102.224	50.936	51.288
35-39	108.626	55.037	53.589	35-39	104.263	51.805	52.458
40-44	95.881	48.515	47.366	40-44	108.751	54.928	53.823
45-49	85.487	42.866	42.620	45-49	94.892	48.102	46.790
50-54	73.937	37.348	36.589	50-54	83.661	41.847	41.813
55-59	64.485	32.020	32.465	55-59	71.727	35.980	35.748
60-64	52.966	26.525	26.440	60-64	61.453	30.141	31.312
65-69	39.520	19.380	20.141	65-69	48.792	24.051	24.740
70-74	27.818	12.310	15.507	70-74	34.345	16.472	17.873
75-79	17.775	7.734	10.041	75-79	21.552	9.239	12.313
80+	15.032	5.927	9.106	80+	17.389	6.920	10.469
TOTAL	1.339.823	673.382	666.442	TOTAL	1.407.814	706.790	701.024

Table D.39.a Summary table for annual results of the population projection of 39-Kırklareli province

39-Kırklareli	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	1,55	1,54	1,53	1,52	1,51	1,50	1,49	1,48	1,47	1,46	1,45	1,44	1,43	1,42	1,41	1,40
GRR	0,76	0,75	0,75	0,74	0,74	0,73	0,73	0,72	0,72	0,71	0,71	0,70	0,70	0,69	0,69	0,68
NRR	0,74	0,74	0,73	0,73	0,72	0,72	0,72	0,71	0,71	0,70	0,70	0,69	0,69	0,69	0,68	0,68
Mean A. Childb.	27,4	27,5	27,6	27,7	27,7	27,8	27,9	28,0	28,1	28,1	28,2	28,3	28,4	28,4	28,5	28,6
Child-woman ratio	0,20	0,21	0,21	0,21	0,21	0,22	0,21	0,21	0,21	0,21	0,21	0,21	0,21	0,21	0,21	0,21
Fertility table: Custom																
Mortality																
Male LE	73,6	73,7	74,0	74,4	74,7	75,1	75,4	75,8	76,1	76,5	76,9	77,2	77,6	78,0	78,4	78,8
Female LE	76,4	76,5	76,8	77,0	77,2	77,5	77,7	77,9	78,2	78,4	78,7	78,9	79,2	79,4	79,7	80,0
Total LE	75,0	75,1	75,4	75,6	75,9	76,2	76,5	76,8	77,1	77,4	77,7	78,1	78,4	78,7	79,0	79,4
IMR	13,7	13,0	12,3	11,6	10,9	10,3	9,6	8,9	8,2	7,5	6,8	6,1	5,4	4,7	4,0	3,3
U5MR	15,7	14,9	14,0	13,2	12,4	11,6	10,7	9,9	9,1	8,3	7,4	6,6	5,8	4,9	4,1	3,3
Life table: Coale-Demeny West																
Immigration																
Male immigration	-451	-451	-451	-451	-451	-451	-451	-451	-451	-451	-451	-451	-451	-451	-451	-451
Female immigration	-11	-11	-11	-11	-11	-11	-11	-11	-11	-11	-11	-11	-11	-11	-11	-11
Total immigration	-462	-462	-462	-462	-462	-462	-462	-462	-462	-462	-462	-462	-462	-462	-462	-462
Vital Rates																
CBR per 1000	11,3	11,1	11,0	10,9	10,7	10,6	10,5	10,3	10,2	10,0	9,9	9,7	9,6	9,4	9,3	9,1
CDR per 1000	8,9	8,8	8,8	8,8	8,8	8,8	8,7	8,7	8,7	8,7	8,7	8,7	8,7	8,7	8,8	8,8
RNI percent	0,24	0,24	0,22	0,21	0,19	0,18	0,17	0,16	0,15	0,13	0,12	0,10	0,09	0,07	0,05	0,03
GR percent	0,10	0,10	0,09	0,07	0,06	0,05	0,03	0,02	0,01	0,00	-0,02	-0,03	-0,05	-0,07	-0,09	-0,11
Doubling time	696,4	686,1	814,5	977,4	1197,6	1519,8	2033,9	3093,0	6699,2	0,0	0,0	0,0	0,0	0,0	0,0	0,0
Annual Births&Deaths																
Births	3.802	3.757	3.713	3.670	3.626	3.581	3.535	3.490	3.444	3.396	3.347	3.294	3.240	3.185	3.127	3.066
Deaths	3.004	2.954	2.964	2.968	2.968	2.964	2.958	2.952	2.947	2.942	2.939	2.939	2.942	2.949	2.962	2.980
Population																
Total population	336.942	337.286	337.576	337.818	338.017	338.173	338.291	338.370	338.407	338.401	338.349	338.244	338.083	337.859	337.564	337.190
Male population	174.083	174.112	174.114	174.092	174.047	173.981	173.893	173.784	173.651	173.493	173.309	173.093	172.845	172.560	172.234	171.865
Female population	162.859	163.174	163.462	163.727	163.969	164.193	164.398	164.586	164.756	164.908	165.040	165.151	165.238	165.299	165.330	165.326
Percent 0-4	5,18	5,23	5,28	5,31	5,34	5,35	5,29	5,22	5,16	5,10	5,03	4,97	4,90	4,83	4,76	4,69
Percent 5-14	12,79	12,37	11,96	11,57	11,21	10,91	10,72	10,58	10,46	10,37	10,28	10,29	10,28	10,27	10,24	10,20
Percent 15-49	54,85	54,49	54,14	53,79	53,41	53,00	52,53	52,04	51,52	50,99	50,45	49,84	49,24	48,65	48,08	47,51
Percent 15-64	71,34	71,65	71,94	72,19	72,38	72,47	72,47	72,38	72,20	71,94	71,61	71,11	70,57	70,00	69,42	68,85
Percent 65 and over	10,68	10,74	10,82	10,93	11,08	11,27	11,52	11,82	12,17	12,59	13,07	13,63	14,24	14,90	15,58	16,26
Percent females 15-49	52,62	52,36	52,07	51,77	51,44	51,09	50,72	50,32	49,90	49,46	48,99	48,44	47,91	47,38	46,87	46,36
Sex ratio	106,89	106,70	106,52	106,33	106,15	105,96	105,78	105,59	105,40	105,21	105,01	104,81	104,60	104,39	104,18	103,96
Dependency ratio	0,40	0,40	0,39	0,39	0,38	0,38	0,38	0,38	0,38	0,39	0,40	0,41	0,42	0,43	0,44	0,45
Median age	35	35	35	36	36	37	37	38	38	39	39	40	40	40	41	41
Urban population	188.208	191.713	195.186	198.671	202.100	205.508	208.895	212.293	215.633	218.946	222.227	225.507	228.713	231.872	234.978	238.056
Rural population	148.734	145.573	142.390	139.147	135.916	132.665	129.396	126.076	122.774	119.456	116.121	112.737	109.370	105.986	102.586	99.134
Percent urban	55,86	56,84	57,82	58,81	59,79	60,77	61,75	62,74	63,72	64,70	65,68	66,67	67,65	68,63	69,61	70,60
Percent rural	44,14	43,16	42,18	41,19	40,21	39,23	38,25	37,26	36,28	35,30	34,32	33,33	32,35	31,37	30,39	29,40

Table D.39.b Age groups and sex distribution for every five years from the population projection of 39-Kırklareli province

Population by Age and Sex - Total							
39-Kırklareli							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	17.448	8.982	8.466	0-4	18.088	9.215	8.874
5-9	20.012	10.200	9.812	5-9	17.266	8.794	8.472
10-14	23.095	11.918	11.177	10-14	19.620	9.928	9.691
15-19	24.504	12.679	11.825	15-19	22.558	11.579	10.979
20-24	31.365	20.130	11.235	20-24	24.799	12.703	12.096
25-29	27.969	14.919	13.050	25-29	31.152	19.863	11.289
30-34	25.922	13.297	12.625	30-34	26.598	13.896	12.702
35-39	25.087	12.741	12.346	35-39	25.106	12.592	12.515
40-44	25.079	12.769	12.310	40-44	24.465	12.276	12.190
45-49	24.882	12.575	12.307	45-49	24.536	12.418	12.119
50-54	23.829	12.242	11.587	50-54	24.630	12.465	12.165
55-59	18.283	9.454	8.829	55-59	23.492	12.033	11.459
60-64	13.469	6.578	6.891	60-64	17.734	9.141	8.593
65-69	10.906	5.060	5.846	65-69	12.673	6.177	6.496
70-74	10.001	4.390	5.611	70-74	9.600	4.405	5.195
75-79	8.420	3.601	4.819	75-79	7.796	3.332	4.464
80+	6.671	2.548	4.123	80+	8.058	3.164	4.894
TOTAL	336.942	174.083	162.859	TOTAL	338.173	173.981	164.193
2018	Total	Male	Female	2023	Total	Male	Female
0-4	17.031	8.682	8.350	0-4	15.802	8.059	7.743
5-9	17.916	9.033	8.883	5-9	16.870	8.508	8.363
10-14	16.881	8.527	8.354	10-14	17.536	8.770	8.766
15-19	19.096	9.598	9.498	15-19	16.367	8.203	8.164
20-24	22.872	11.616	11.256	20-24	19.426	9.647	9.780
25-29	24.626	12.471	12.155	25-29	22.720	11.398	11.322
30-34	29.799	18.846	10.953	30-34	23.308	11.482	11.825
35-39	25.809	13.207	12.602	35-39	29.036	18.168	10.867
40-44	24.521	12.150	12.372	40-44	25.260	12.787	12.473
45-49	23.980	11.962	12.019	45-49	24.088	11.868	12.219
50-54	24.365	12.358	12.007	50-54	23.892	11.955	11.936
55-59	24.376	12.314	12.062	55-59	24.223	12.278	11.946
60-64	22.836	11.661	11.175	60-64	23.831	12.018	11.812
65-69	16.742	8.595	8.147	65-69	21.666	11.016	10.650
70-74	11.274	5.438	5.836	70-74	15.024	7.632	7.391
75-79	7.619	3.418	4.201	75-79	9.106	4.309	4.797
80+	8.603	3.432	5.171	80+	9.037	3.765	5.272
TOTAL	338.349	173.309	165.040	TOTAL	337.190	171.865	165.326

Table D.40.a Summary table for annual results of the population projection of 40-Kırşehir province

40-Kırşehir	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	2,07	2,06	2,04	2,03	2,02	2,01	2,00	1,99	1,98	1,97	1,96	1,94	1,93	1,92	1,91	1,90
GRR	1,01	1,00	1,00	0,99	0,99	0,98	0,98	0,97	0,97	0,96	0,96	0,95	0,94	0,94	0,93	0,93
NRR	0,98	0,97	0,97	0,96	0,96	0,96	0,95	0,95	0,94	0,94	0,94	0,93	0,92	0,92	0,92	0,91
Mean A. Childb.	27,0	27,2	27,3	27,4	27,5	27,6	27,7	27,8	27,9	28,0	28,1	28,2	28,3	28,4	28,5	28,6
Child-woman ratio	0,27	0,27	0,28	0,29	0,29	0,29	0,29	0,28	0,28	0,27	0,27	0,26	0,26	0,25	0,25	0,24
Fertility table: Custom																
Mortality																
Male LE	71,9	71,8	72,0	72,1	72,3	72,4	72,6	72,7	72,9	73,1	73,2	73,4	73,5	73,7	73,9	74,0
Female LE	74,1	74,2	74,5	74,8	75,0	75,2	75,5	75,7	75,9	76,1	76,4	76,6	76,8	77,1	77,3	77,6
Total LE	73,0	73,0	73,3	73,5	73,7	73,8	74,0	74,2	74,4	74,6	74,8	75,0	75,2	75,4	75,6	75,8
IMR	19,1	18,5	17,9	17,3	16,7	16,2	15,8	15,3	14,8	14,3	13,9	13,4	12,9	12,4	12,0	11,5
U5MR	22,3	21,5	20,8	20,0	19,3	18,7	18,1	17,6	17,0	16,4	15,9	15,3	14,7	14,2	13,6	13,0
Life table: Coale-Demeny West																
Immigration																
Male immigration	-1.255	-1.255	-1.255	-1.255	-1.255	-1.255	-1.255	-1.255	-1.255	-1.255	-1.255	-1.255	-1.255	-1.255	-1.255	-1.255
Female immigration	-1.235	-1.235	-1.235	-1.235	-1.235	-1.235	-1.235	-1.235	-1.235	-1.235	-1.235	-1.235	-1.235	-1.235	-1.235	-1.235
Total immigration	-2.490	-2.490	-2.490	-2.490	-2.490	-2.490	-2.490	-2.490	-2.490	-2.490	-2.490	-2.490	-2.490	-2.490	-2.490	-2.490
Vital Rates																
CBR per 1000	16,1	15,6	15,1	14,7	14,2	13,7	13,3	12,8	12,3	11,8	11,3	10,8	10,3	9,9	9,4	9,0
CDR per 1000	8,4	8,3	8,4	8,5	8,6	8,6	8,7	8,8	8,9	9,1	9,2	9,4	9,6	9,9	10,1	10,4
RNI percent	0,77	0,73	0,67	0,62	0,57	0,51	0,45	0,40	0,34	0,28	0,21	0,14	0,07	0,00	-0,07	-0,14
GR percent	-0,35	-0,39	-0,46	-0,52	-0,57	-0,64	-0,70	-0,77	-0,84	-0,91	-0,98	-1,07	-1,15	-1,24	-1,32	-1,41
Doubling time	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
Annual Births&Deaths																
Births	3.579	3.469	3.339	3.224	3.106	2.984	2.860	2.736	2.612	2.487	2.363	2.226	2.104	1.986	1.871	1.761
Deaths	1.869	1.847	1.859	1.866	1.871	1.875	1.880	1.886	1.895	1.906	1.921	1.940	1.961	1.985	2.010	2.038
Population																
Total population	222.734	221.868	220.861	219.731	218.477	217.098	215.591	213.953	212.182	210.276	208.230	206.029	203.684	201.197	198.570	195.804
Male population	110.338	109.965	109.519	109.008	108.434	107.796	107.090	106.317	105.476	104.563	103.578	102.511	101.368	100.148	98.854	97.486
Female population	112.396	111.903	111.342	110.722	110.043	109.303	108.501	107.636	106.707	105.712	104.652	103.518	102.316	101.048	99.715	98.319
Percent 0-4	7,02	7,17	7,26	7,32	7,32	7,28	7,06	6,84	6,61	6,39	6,16	5,93	5,69	5,46	5,23	5,00
Percent 5-14	16,50	16,09	15,70	15,36	15,05	14,80	14,74	14,68	14,62	14,57	14,51	14,52	14,47	14,37	14,22	14,02
Percent 15-49	53,51	52,99	52,46	51,91	51,31	50,67	49,97	49,22	48,44	47,64	46,84	45,98	45,15	44,36	43,59	42,84
Percent 15-64	67,62	67,73	67,84	67,94	68,01	68,04	68,02	67,95	67,83	67,65	67,41	67,05	66,67	66,28	65,89	65,52
Percent 65 and over	8,86	9,02	9,19	9,39	9,62	9,88	10,19	10,54	10,93	11,39	11,91	12,51	13,17	13,89	14,66	15,46
Percent females 15-49	52,44	51,89	51,33	50,76	50,16	49,53	48,85	48,14	47,39	46,61	45,82	44,95	44,11	43,29	42,49	41,70
Sex ratio	98,17	98,27	98,36	98,45	98,54	98,62	98,70	98,78	98,85	98,91	98,97	99,03	99,07	99,11	99,14	99,15
Dependency ratio	0,48	0,48	0,47	0,47	0,47	0,47	0,47	0,47	0,47	0,48	0,48	0,49	0,50	0,51	0,52	0,53
Median age	31	32	32	33	34	34	35	36	36	37	38	39	40	40	41	42
Urban population	122.689	124.246	125.714	127.092	128.377	129.564	130.648	131.624	132.487	133.231	133.850	134.310	134.655	134.862	134.928	134.851
Rural population	100.045	97.622	95.147	92.638	90.100	87.534	84.943	82.329	79.696	77.045	74.380	71.719	69.028	66.335	63.642	60.954
Percent urban	55,08	56,00	56,92	57,84	58,76	59,68	60,60	61,52	62,44	63,36	64,28	65,19	66,11	67,03	67,95	68,87
Percent rural	44,92	44,00	43,08	42,16	41,24	40,32	39,40	38,48	37,56	36,64	35,72	34,81	33,89	32,97	32,05	31,13

Table D.40.b Age groups and sex distribution for every five years from the population projection of 40-Kırşehir province

Population by Age and Sex - Total							
40-Kırşehir							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	15.632	7.935	7.697	0-4	15.803	8.078	7.725
5-9	17.406	8.888	8.518	5-9	15.309	7.827	7.481
10-14	19.343	9.940	9.403	10-14	16.826	8.561	8.265
15-19	19.621	9.983	9.638	15-19	17.965	9.221	8.745
20-24	18.785	9.409	9.376	20-24	14.748	7.925	6.823
25-29	17.348	9.195	8.153	25-29	14.098	6.951	7.147
30-34	15.994	7.975	8.019	30-34	16.114	8.219	7.894
35-39	16.059	7.958	8.101	35-39	15.621	7.833	7.787
40-44	16.481	8.333	8.148	40-44	15.643	7.724	7.919
45-49	14.906	7.401	7.505	45-49	15.821	7.999	7.823
50-54	13.146	6.461	6.685	50-54	14.561	7.212	7.350
55-59	10.168	4.929	5.239	55-59	13.096	6.421	6.675
60-64	8.107	3.540	4.567	60-64	10.037	4.845	5.192
65-69	6.656	2.812	3.844	65-69	7.628	3.307	4.321
70-74	5.217	2.221	2.996	70-74	5.836	2.436	3.400
75-79	4.467	2.051	2.416	75-79	4.025	1.661	2.364
80+	3.398	1.307	2.091	80+	3.968	1.575	2.393
TOTAL	222.734	110.338	112.396	TOTAL	217.098	107.796	109.303
2018	Total	Male	Female	2023	Total	Male	Female
0-4	12.831	6.555	6.276	0-4	9.794	5.001	4.793
5-9	15.487	7.973	7.514	5-9	12.527	6.457	6.071
10-14	14.735	7.504	7.232	10-14	14.916	7.650	7.266
15-19	15.459	7.847	7.611	15-19	13.375	6.794	6.581
20-24	13.105	7.169	5.935	20-24	10.610	5.804	4.807
25-29	10.083	5.477	4.605	25-29	8.450	4.727	3.723
30-34	12.887	5.989	6.897	30-34	8.891	4.524	4.367
35-39	15.753	8.082	7.671	35-39	12.550	5.866	6.684
40-44	15.225	7.608	7.617	40-44	15.371	7.861	7.510
45-49	15.017	7.407	7.609	45-49	14.626	7.303	7.323
50-54	15.489	7.809	7.679	50-54	14.732	7.245	7.487
55-59	14.503	7.160	7.343	55-59	15.443	7.754	7.689
60-64	12.851	6.259	6.592	60-64	14.242	6.976	7.266
65-69	9.431	4.498	4.933	65-69	12.073	5.796	6.276
70-74	6.722	2.871	3.851	70-74	8.334	3.898	4.436
75-79	4.558	1.841	2.717	75-79	5.306	2.188	3.118
80+	4.097	1.529	2.568	80+	4.564	1.642	2.921
TOTAL	208.230	103.578	104.652	TOTAL	195.804	97.486	98.319

Table D.41.b Age groups and sex distribution for every five years from the population projection of 41-Kocaeli province

Population by Age and Sex - Total							
41-Kocaeli							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	124.947	64.206	60.741	0-4	133.253	68.303	64.950
5-9	125.130	64.513	60.617	5-9	133.660	68.922	64.738
10-14	124.941	64.308	60.633	10-14	134.461	69.702	64.758
15-19	121.293	62.198	59.095	15-19	135.051	69.637	65.414
20-24	132.560	66.502	66.058	20-24	139.996	70.650	69.346
25-29	154.259	78.808	75.451	25-29	156.871	78.521	78.349
30-34	136.616	71.002	65.614	30-34	170.199	87.738	82.461
35-39	118.962	60.924	58.038	35-39	143.848	74.888	68.960
40-44	102.679	52.319	50.360	40-44	123.905	63.384	60.521
45-49	90.861	45.827	45.034	45-49	105.855	53.796	52.059
50-54	77.723	39.227	38.496	50-54	92.142	46.351	45.791
55-59	58.136	29.508	28.628	55-59	76.583	38.435	38.148
60-64	42.048	20.771	21.277	60-64	55.724	28.058	27.666
65-69	30.198	14.334	15.864	65-69	39.012	18.936	20.076
70-74	20.654	9.605	11.049	70-74	26.354	12.185	14.169
75-79	17.217	7.601	9.616	75-79	16.164	7.322	8.842
80+	12.135	4.437	7.698	80+	15.927	6.264	9.663
TOTAL	1.490.359	756.090	734.269	TOTAL	1.699.004	863.091	835.913
2018	Total	Male	Female	2023	Total	Male	Female
0-4	137.392	70.483	66.908	0-4	139.177	71.461	67.716
5-9	142.030	73.064	68.966	5-9	146.246	75.297	70.948
10-14	143.019	74.131	68.888	10-14	151.422	78.298	73.125
15-19	144.616	75.063	69.553	15-19	153.229	79.530	73.699
20-24	153.817	78.133	75.684	20-24	163.466	83.617	79.848
25-29	164.405	82.734	81.671	25-29	178.330	90.288	88.043
30-34	172.949	87.543	85.406	30-34	180.621	91.843	88.778
35-39	177.498	91.678	85.820	35-39	180.433	91.602	88.831
40-44	148.872	77.405	71.467	40-44	182.653	94.296	88.357
45-49	127.150	64.919	62.231	45-49	152.258	79.043	73.215
50-54	107.220	54.385	52.836	50-54	128.630	65.602	63.028
55-59	90.992	45.573	45.419	55-59	106.178	53.684	52.494
60-64	73.765	36.764	37.001	60-64	88.129	43.890	44.238
65-69	52.062	25.825	26.237	65-69	69.437	34.168	35.268
70-74	34.415	16.334	18.081	70-74	46.437	22.598	23.839
75-79	20.986	9.474	11.512	75-79	27.837	12.942	14.896
80+	17.750	7.279	10.471	80+	22.160	9.375	12.785
TOTAL	1.908.939	970.789	938.150	TOTAL	2.116.643	1.077.534	1.039.108

Table D.42.a Summary table for annual results of the population projection of 42-Konya province

42-Konya	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	2,64	2,61	2,58	2,56	2,53	2,51	2,48	2,45	2,43	2,40	2,38	2,35	2,32	2,30	2,27	2,25
GRR	1,29	1,27	1,26	1,25	1,23	1,22	1,21	1,20	1,19	1,17	1,16	1,15	1,13	1,12	1,11	1,10
NRR	1,25	1,23	1,22	1,21	1,20	1,19	1,18	1,17	1,16	1,15	1,14	1,12	1,11	1,10	1,09	1,08
Mean A. Childb.	27,0	27,2	27,3	27,4	27,5	27,6	27,7	27,8	27,9	28,0	28,1	28,2	28,3	28,4	28,5	28,6
Child-woman ratio	0,34	0,35	0,36	0,36	0,37	0,38	0,37	0,36	0,36	0,35	0,34	0,34	0,33	0,33	0,32	0,32
Fertility table: Custom																
Mortality																
Male LE	71,9	71,8	72,0	72,1	72,3	72,4	72,6	72,7	72,9	73,1	73,2	73,4	73,5	73,7	73,9	74,0
Female LE	74,1	74,2	74,5	74,8	75,0	75,2	75,5	75,7	75,9	76,1	76,4	76,6	76,8	77,1	77,3	77,6
Total LE	73,0	73,1	73,3	73,5	73,7	73,8	74,0	74,2	74,4	74,6	74,8	75,0	75,2	75,4	75,6	75,8
IMR	19,1	18,5	17,9	17,3	16,7	16,2	15,8	15,3	14,8	14,3	13,9	13,4	12,9	12,4	12,0	11,5
U5MR	22,3	21,5	20,8	20,0	19,3	18,7	18,1	17,6	17,0	16,4	15,9	15,3	14,7	14,2	13,6	13,0
Life table: Coale-Demeny West																
Immigration																
Male immigration	-5.733	-5.733	-5.733	-5.733	-5.733	-5.733	-5.733	-5.733	-5.733	-5.733	-5.733	-5.733	-5.733	-5.733	-5.733	-5.733
Female immigration	-5.525	-5.525	-5.525	-5.525	-5.525	-5.525	-5.525	-5.525	-5.525	-5.525	-5.525	-5.525	-5.525	-5.525	-5.525	-5.525
Total immigration	-11.258	-11.258	-11.258	-11.258	-11.258	-11.258	-11.258	-11.258	-11.258	-11.258	-11.258	-11.258	-11.258	-11.258	-11.258	-11.258
Vital Rates																
CBR per 1000	22,1	21,5	20,9	20,4	19,8	19,4	18,9	18,3	17,9	17,4	17,1	16,6	16,2	15,9	15,5	15,2
CDR per 1000	7,0	6,8	6,8	6,8	6,8	6,7	6,7	6,7	6,7	6,7	6,7	6,7	6,7	6,8	6,8	6,9
RNI percent	1,52	1,47	1,41	1,36	1,31	1,27	1,22	1,17	1,13	1,08	1,04	0,99	0,95	0,91	0,87	0,83
GR percent	0,95	0,90	0,85	0,80	0,76	0,72	0,67	0,62	0,59	0,54	0,51	0,46	0,42	0,38	0,34	0,31
Doubling time	73,7	77,0	82,0	86,5	92,1	97,1	103,8	111,3	118,3	128,0	137,4	150,4	166,0	181,4	203,4	225,9
Annual Births&Deaths																
Births	43.619	42.794	41.945	41.255	40.415	39.748	38.930	38.115	37.461	36.663	36.033	35.264	34.518	33.950	33.265	32.753
Deaths	13.745	13.564	13.676	13.736	13.769	13.799	13.836	13.875	13.926	13.995	14.092	14.209	14.346	14.506	14.684	14.881
Population																
Total population	1.969.870	1.987.787	2.004.743	2.020.949	2.036.283	2.050.921	2.064.704	2.077.633	2.089.857	2.101.214	2.111.845	2.121.591	2.130.455	2.138.591	2.145.864	2.152.428
Male population	974.701	984.178	993.132	1.001.673	1.009.740	1.017.426	1.024.651	1.031.418	1.037.804	1.043.727	1.049.260	1.054.321	1.058.913	1.063.114	1.066.854	1.070.212
Female population	995.169	1.003.609	1.011.611	1.019.276	1.026.543	1.033.495	1.040.053	1.046.215	1.052.053	1.057.487	1.062.585	1.067.270	1.071.542	1.075.477	1.079.010	1.082.216
Percent 0-4	9,04	9,26	9,44	9,60	9,72	9,82	9,58	9,34	9,11	8,89	8,68	8,47	8,28	8,09	7,91	7,74
Percent 5-14	18,60	18,33	18,04	17,73	17,45	17,20	17,30	17,39	17,47	17,53	17,56	17,60	17,60	17,59	17,55	17,49
Percent 15-49	53,16	52,87	52,62	52,39	52,15	51,90	51,63	51,35	51,05	50,76	50,47	50,16	49,85	49,54	49,24	48,96
Percent 15-64	65,39	65,40	65,45	65,52	65,58	65,61	65,61	65,59	65,54	65,49	65,44	65,37	65,30	65,23	65,15	65,08
Percent 65 and over	6,97	7,01	7,07	7,14	7,24	7,36	7,51	7,68	7,88	8,09	8,32	8,56	8,82	9,10	9,39	9,70
Percent females 15-49	52,98	52,69	52,43	52,18	51,93	51,65	51,36	51,05	50,73	50,40	50,08	49,73	49,37	49,02	48,68	48,36
Sex ratio	97,94	98,06	98,17	98,27	98,36	98,45	98,52	98,59	98,65	98,70	98,75	98,79	98,82	98,85	98,87	98,89
Dependency ratio	0,53	0,53	0,53	0,53	0,52	0,52	0,52	0,52	0,52	0,53	0,53	0,53	0,53	0,53	0,53	0,54
Median age	28	28	28	28	29	29	29	29	30	30	30	31	31	31	31	32
Urban population	1.317.041	1.354.279	1.391.091	1.428.003	1.464.698	1.501.274	1.537.378	1.573.391	1.609.190	1.644.620	1.679.550	1.714.246	1.748.464	1.782.302	1.815.401	1.848.290
Rural population	652.829	633.508	613.652	592.947	571.585	549.647	527.325	504.241	480.667	456.594	432.295	407.346	381.991	356.289	330.463	304.138
Percent urban	66,86	68,13	69,39	70,66	71,93	73,20	74,46	75,73	77,00	78,27	79,53	80,80	82,07	83,34	84,60	85,87
Percent rural	33,14	31,87	30,61	29,34	28,07	26,80	25,54	24,27	23,00	21,73	20,47	19,20	17,93	16,66	15,40	14,13

Table D.42.b Age groups and sex distribution for every five years from the population projection of 42-Konya province

Population by Age and Sex - Total 42-Konya							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	177.986	91.257	86.729	0-4	201.382	103.088	98.294
5-9	180.711	92.603	88.108	5-9	175.317	89.919	85.398
10-14	185.748	94.966	90.782	10-14	177.525	91.144	86.381
15-19	173.550	87.948	85.602	15-19	188.906	96.305	92.601
20-24	178.048	86.780	91.268	20-24	160.817	82.130	78.687
25-29	167.171	84.181	82.990	25-29	152.451	74.087	78.364
30-34	146.991	73.190	73.801	30-34	158.207	78.639	79.567
35-39	138.737	68.214	70.523	35-39	144.407	71.876	72.532
40-44	127.190	62.765	64.425	40-44	135.847	66.713	69.134
45-49	115.421	56.742	58.679	45-49	123.791	60.840	62.951
50-54	98.028	47.919	50.109	50-54	111.757	54.700	57.057
55-59	80.589	38.993	41.596	55-59	93.868	45.603	48.265
60-64	62.349	28.755	33.594	60-64	75.616	36.208	39.408
65-69	47.315	21.330	25.985	65-69	56.542	25.575	30.968
70-74	36.593	16.561	20.032	70-74	40.084	17.623	22.461
75-79	31.396	14.207	17.189	75-79	27.401	12.063	15.337
80+	22.047	8.290	13.757	80+	27.003	10.913	16.090
TOTAL	1.969.870	974.701	995.169	TOTAL	2.050.921	1.017.426	1.033.495
2018	Total	Male	Female	2023	Total	Male	Female
0-4	183.273	93.786	89.487	0-4	166.527	85.200	81.327
5-9	198.751	101.756	96.995	5-9	180.754	92.514	88.241
10-14	172.174	88.480	83.694	10-14	195.613	100.316	95.297
15-19	180.751	92.517	88.234	15-19	175.457	89.883	85.574
20-24	176.209	90.495	85.714	20-24	168.149	86.758	81.391
25-29	135.366	69.497	65.870	25-29	150.794	77.872	72.922
30-34	143.648	68.631	75.018	30-34	126.702	64.095	62.607
35-39	155.689	77.344	78.345	35-39	141.307	67.429	73.878
40-44	141.627	70.408	71.218	40-44	152.988	75.902	77.085
45-49	132.538	64.818	67.720	45-49	138.459	68.559	69.900
50-54	120.207	58.812	61.395	50-54	129.065	62.825	66.240
55-59	107.440	52.251	55.190	55-59	115.971	56.359	59.613
60-64	88.524	42.538	45.986	60-64	101.824	48.950	52.875
65-69	68.986	32.404	36.582	65-69	81.286	38.286	43.000
70-74	48.377	21.320	27.057	70-74	59.543	27.232	32.312
75-79	30.502	13.004	17.499	75-79	37.356	15.919	21.437
80+	27.782	11.200	16.582	80+	30.630	12.112	18.518
TOTAL	2.111.845	1.049.260	1.062.585	TOTAL	2.152.428	1.070.212	1.082.216

Table D.43.a Summary table for annual results of the population projection of 43-Kütahya province

43-Kütahya	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	1,87	1,84	1,82	1,79	1,76	1,74	1,71	1,69	1,66	1,63	1,61	1,58	1,56	1,53	1,50	1,48
GRR	0,91	0,90	0,89	0,87	0,86	0,85	0,83	0,82	0,81	0,80	0,79	0,77	0,76	0,75	0,73	0,72
NRR	0,88	0,87	0,86	0,85	0,84	0,83	0,81	0,80	0,79	0,78	0,77	0,76	0,75	0,73	0,72	0,71
Mean A. Childb.	27,0	27,2	27,3	27,4	27,5	27,6	27,7	27,8	27,9	28,0	28,1	28,2	28,3	28,4	28,5	28,6
Child-woman ratio	0,25	0,26	0,26	0,26	0,26	0,26	0,26	0,25	0,24	0,23	0,23	0,22	0,21	0,21	0,20	0,19
Fertility table: Custom																
Mortality																
Male LE	71,9	71,8	72,0	72,1	72,3	72,4	72,6	72,7	72,9	73,1	73,2	73,4	73,5	73,7	73,9	74,0
Female LE	74,1	74,2	74,5	74,8	75,0	75,2	75,5	75,7	75,9	76,1	76,4	76,6	76,8	77,1	77,3	77,6
Total LE	73,0	73,1	73,3	73,5	73,7	73,9	74,1	74,2	74,4	74,6	74,8	75,0	75,2	75,4	75,6	75,8
IMR	19,1	18,5	17,9	17,3	16,7	16,2	15,8	15,3	14,8	14,3	13,9	13,4	12,9	12,4	12,0	11,5
U5MR	22,3	21,5	20,8	20,0	19,3	18,7	18,1	17,6	17,0	16,4	15,9	15,3	14,7	14,2	13,6	13,0
Life table: Coale-Demeny West																
Immigration																
Male immigration	-4.193	-4.193	-4.193	-4.193	-4.193	-4.193	-4.193	-4.193	-4.193	-4.193	-4.193	-4.193	-4.193	-4.193	-4.193	-4.193
Female immigration	-3.406	-3.406	-3.406	-3.406	-3.406	-3.406	-3.406	-3.406	-3.406	-3.406	-3.406	-3.406	-3.406	-3.406	-3.406	-3.406
Total immigration	-7.599	-7.599	-7.599	-7.599	-7.599	-7.599	-7.599	-7.599	-7.599	-7.599	-7.599	-7.599	-7.599	-7.599	-7.599	-7.599
Vital Rates																
CBR per 1000	15,2	14,6	14,2	13,7	13,1	12,7	12,2	11,7	11,2	10,7	10,2	9,8	9,3	8,9	8,5	8,1
CDR per 1000	9,1	9,1	9,2	9,3	9,4	9,5	9,5	9,6	9,7	9,8	10,0	10,1	10,3	10,6	10,8	11,1
RNI percent	0,61	0,56	0,50	0,44	0,38	0,32	0,26	0,21	0,15	0,09	0,03	-0,04	-0,10	-0,17	-0,24	-0,30
GR percent	-0,74	-0,79	-0,86	-0,94	-1,02	-1,08	-1,16	-1,23	-1,31	-1,39	-1,47	-1,56	-1,65	-1,75	-1,84	-1,94
Doubling time	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
Annual Births&Deaths																
Births	8.582	8.223	7.903	7.538	7.176	6.855	6.496	6.176	5.823	5.480	5.179	4.856	4.574	4.276	3.995	3.757
Deaths	5.144	5.083	5.116	5.126	5.119	5.102	5.083	5.063	5.045	5.035	5.036	5.046	5.064	5.086	5.111	5.137
Population																
Total population	565.884	561.386	556.534	551.309	545.728	539.844	533.620	527.096	520.239	513.047	505.554	497.728	489.603	481.159	472.408	463.394
Male population	280.369	277.806	275.062	272.127	269.009	265.736	262.287	258.684	254.907	250.957	246.849	242.568	238.130	233.524	228.758	223.854
Female population	285.515	283.580	281.472	279.182	276.718	274.108	271.333	268.413	265.332	262.090	258.705	255.160	251.474	247.635	243.650	239.540
Percent 0-4	6,72	6,81	6,86	6,86	6,81	6,71	6,48	6,24	6,00	5,76	5,53	5,29	5,06	4,83	4,62	4,41
Percent 5-14	14,17	13,97	13,79	13,64	13,52	13,44	13,49	13,53	13,54	13,53	13,48	13,39	13,26	13,08	12,83	12,53
Percent 15-49	53,72	53,11	52,48	51,84	51,21	50,59	50,00	49,43	48,88	48,34	47,78	47,21	46,63	46,06	45,50	44,94
Percent 15-64	69,10	69,07	69,06	69,06	69,02	68,94	68,81	68,62	68,41	68,18	67,95	67,71	67,47	67,24	67,00	66,75
Percent 65 and over	10,01	10,15	10,29	10,45	10,65	10,90	11,22	11,60	12,04	12,53	13,05	13,61	14,21	14,85	15,55	16,31
Percent females 15-49	53,45	52,88	52,27	51,64	51,00	50,37	49,76	49,18	48,62	48,06	47,49	46,91	46,33	45,75	45,18	44,61
Sex ratio	98,20	97,96	97,72	97,47	97,21	96,95	96,67	96,38	96,07	95,75	95,42	95,06	94,69	94,30	93,89	93,45
Dependency ratio	0,45	0,45	0,45	0,45	0,45	0,45	0,45	0,46	0,46	0,47	0,47	0,48	0,48	0,49	0,49	0,50
Median age	33	33	34	34	35	35	36	37	37	38	39	39	40	41	42	42
Urban population	289.305	294.054	298.525	302.668	306.481	309.979	313.128	315.942	318.386	320.398	322.088	323.374	324.264	324.734	324.781	324.422
Rural population	276.579	267.332	258.009	248.640	239.247	229.866	220.492	211.155	201.853	192.649	183.466	174.354	165.339	156.425	147.628	138.972
Percent urban	51,12	52,38	53,64	54,90	56,16	57,42	58,68	59,94	61,20	62,45	63,71	64,97	66,23	67,49	68,75	70,01
Percent rural	48,88	47,62	46,36	45,10	43,84	42,58	41,32	40,06	38,80	37,55	36,29	35,03	33,77	32,51	31,25	29,99

Table D.43.b Age groups and sex distribution for every five years from the population projection of 43-Kütahya province

Population by Age and Sex - Total							
43-Kütahya							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	38.040	19.595	18.445	0-4	36.242	18.562	17.680
5-9	38.838	20.085	18.753	5-9	36.153	18.617	17.537
10-14	41.350	21.197	20.153	10-14	36.420	18.866	17.554
15-19	43.708	22.042	21.666	15-19	40.109	20.117	19.992
20-24	50.263	25.142	25.121	20-24	35.515	17.614	17.902
25-29	46.368	23.645	22.723	25-29	39.206	19.408	19.798
30-34	43.208	21.485	21.723	30-34	42.604	21.266	21.337
35-39	41.077	20.127	20.950	35-39	40.909	20.228	20.681
40-44	39.027	19.123	19.904	40-44	38.384	18.777	19.607
45-49	40.314	19.785	20.529	45-49	36.369	17.622	18.747
50-54	34.900	17.502	17.398	50-54	38.093	18.455	19.638
55-59	29.675	14.728	14.947	55-59	33.202	16.495	16.707
60-64	22.494	10.349	12.145	60-64	27.784	13.588	14.195
65-69	19.462	8.969	10.493	65-69	20.255	9.153	11.103
70-74	14.980	6.738	8.242	70-74	16.410	7.401	9.009
75-79	13.585	6.198	7.387	75-79	11.143	4.863	6.280
80+	8.595	3.659	4.936	80+	11.046	4.704	6.342
TOTAL	565.884	280.369	285.515	TOTAL	539.844	265.736	274.108
2018	Total	Male	Female	2023	Total	Male	Female
0-4	27.935	14.306	13.628	0-4	20.414	10.458	9.956
5-9	34.380	17.595	16.785	5-9	26.103	13.356	12.747
10-14	33.747	17.403	16.343	10-14	31.981	16.386	15.596
15-19	35.199	17.797	17.403	15-19	32.540	16.342	16.198
20-24	31.945	15.704	16.241	20-24	27.061	13.399	13.663
25-29	24.531	11.921	12.610	25-29	20.987	10.026	10.961
30-34	35.496	17.059	18.438	30-34	20.889	9.608	11.282
35-39	40.342	20.024	20.318	35-39	33.294	15.848	17.446
40-44	38.261	18.895	19.366	40-44	37.737	18.709	19.028
45-49	35.792	17.305	18.487	45-49	35.724	17.445	18.279
50-54	34.307	16.375	17.932	50-54	33.817	16.098	17.719
55-59	36.395	17.453	18.942	55-59	32.832	15.494	17.338
60-64	31.243	15.293	15.950	60-64	34.424	16.247	18.177
65-69	25.199	12.113	13.087	65-69	28.534	13.711	14.823
70-74	17.256	7.617	9.639	70-74	21.671	10.172	11.500
75-79	12.392	5.410	6.982	75-79	13.234	5.637	7.597
80+	11.134	4.580	6.554	80+	12.151	4.921	7.231
TOTAL	505.554	246.849	258.705	TOTAL	463.394	223.854	239.540

Table D.44.a Summary table for annual results of the population projection of 44-Malatya province

44-Malatya	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	1,93	1,92	1,92	1,92	1,92	1,92	1,92	1,91	1,91	1,91	1,91	1,91	1,91	1,90	1,90	1,90
GRR	0,94	0,94	0,94	0,94	0,94	0,94	0,94	0,93	0,93	0,93	0,93	0,93	0,93	0,93	0,93	0,93
NRR	0,89	0,88	0,88	0,88	0,88	0,89	0,89	0,88	0,88	0,88	0,88	0,88	0,89	0,88	0,88	0,88
Mean A. Childb.	29,1	29,0	29,0	29,0	28,9	28,9	28,9	28,8	28,8	28,8	28,8	28,7	28,7	28,7	28,6	28,6
Child-woman ratio	0,35	0,33	0,32	0,31	0,29	0,28	0,28	0,28	0,28	0,27	0,27	0,27	0,27	0,27	0,27	0,26
Fertility table: Custom																
Mortality																
Male LE	67,9	68,0	68,1	68,2	68,3	68,4	68,5	68,6	68,7	68,8	68,9	69,0	69,1	69,2	69,3	69,4
Female LE	71,2	71,2	71,3	71,4	71,6	71,7	71,8	71,9	72,0	72,1	72,2	72,3	72,4	72,5	72,6	72,7
Total LE	69,6	69,6	69,7	69,8	69,9	70,0	70,1	70,2	70,3	70,4	70,5	70,6	70,7	70,8	70,9	71,0
IMR	37,7	37,3	36,8	36,4	35,9	35,5	35,0	34,6	34,1	33,7	33,2	32,8	32,3	31,9	31,4	31,0
U5MR	43,6	43,0	42,5	41,9	41,4	40,8	40,3	39,7	39,2	38,6	38,1	37,5	37,0	36,4	35,9	35,3
Life table: Coale-Demeny East																
Immigration																
Male immigration	-1.134	-1.134	-1.134	-1.134	-1.134	-1.134	-1.134	-1.134	-1.134	-1.134	-1.134	-1.134	-1.134	-1.134	-1.134	-1.134
Female immigration	-1.196	-1.196	-1.196	-1.196	-1.196	-1.196	-1.196	-1.196	-1.196	-1.196	-1.196	-1.196	-1.196	-1.196	-1.196	-1.196
Total immigration	-2.330	-2.330	-2.330	-2.330	-2.330	-2.330	-2.330	-2.330	-2.330	-2.330	-2.330	-2.330	-2.330	-2.330	-2.330	-2.330
Vital Rates																
CBR per 1000	15,8	15,7	15,6	15,6	15,5	15,4	15,3	15,1	15,0	14,8	14,7	14,5	14,4	14,2	14,0	13,9
CDR per 1000	8,5	8,4	8,4	8,4	8,4	8,5	8,5	8,5	8,6	8,6	8,7	8,8	8,9	9,0	9,1	9,2
RNI percent	0,73	0,73	0,72	0,71	0,70	0,69	0,68	0,66	0,64	0,62	0,60	0,57	0,55	0,52	0,49	0,47
GR percent	0,42	0,41	0,41	0,40	0,39	0,38	0,37	0,35	0,33	0,31	0,29	0,27	0,25	0,21	0,19	0,16
Doubling time	167,1	167,9	170,3	173,4	177,2	181,9	187,9	199,7	209,6	222,3	238,3	258,1	283,1	325,0	367,6	423,7
Annual Births&Deaths																
Births	11.603	11.567	11.577	11.573	11.555	11.525	11.484	11.374	11.314	11.244	11.166	11.088	11.006	10.866	10.785	10.705
Deaths	6.223	6.190	6.229	6.267	6.301	6.337	6.377	6.422	6.477	6.543	6.619	6.705	6.800	6.899	7.005	7.115
Population																
Total population	733.789	736.860	739.902	742.902	745.849	748.731	751.532	754.177	756.707	759.102	761.343	763.419	765.319	766.979	768.453	769.736
Male population	366.759	368.438	370.079	371.682	373.248	374.774	376.253	377.649	378.985	380.250	381.434	382.531	383.534	384.411	385.189	385.865
Female population	367.030	368.422	369.823	371.220	372.601	373.957	375.279	376.528	377.722	378.852	379.909	380.888	381.785	382.568	383.264	383.871
Percent 0-4	9,25	8,89	8,53	8,17	7,81	7,45	7,42	7,37	7,31	7,26	7,19	7,13	7,07	7,00	6,93	6,86
Percent 5-14	18,33	18,17	17,99	17,81	17,65	17,54	17,15	16,80	16,49	16,19	15,88	15,52	15,15	14,78	14,41	14,02
Percent 15-49	53,41	53,56	53,70	53,82	53,90	53,93	53,90	53,82	53,70	53,55	53,39	53,26	53,13	52,99	52,85	52,71
Percent 15-64	65,04	65,53	66,01	66,49	66,92	67,29	67,59	67,84	68,05	68,23	68,40	68,61	68,81	69,00	69,18	69,36
Percent 65 and over	7,37	7,42	7,47	7,53	7,62	7,72	7,84	7,98	8,14	8,33	8,53	8,74	8,97	9,22	9,48	9,75
Percent females 15-49	52,99	53,16	53,31	53,42	53,49	53,50	53,45	53,36	53,23	53,06	52,88	52,73	52,56	52,38	52,19	52,00
Sex ratio	99,93	100,00	100,07	100,12	100,17	100,22	100,26	100,30	100,33	100,37	100,40	100,43	100,46	100,48	100,50	100,52
Dependency ratio	0,54	0,53	0,51	0,50	0,49	0,49	0,48	0,47	0,47	0,47	0,46	0,46	0,45	0,45	0,45	0,44
Median age	27	28	28	29	29	30	30	31	31	31	32	32	33	33	33	34
Urban population	411.181	419.200	427.219	435.266	443.333	451.410	459.486	467.590	475.591	483.548	491.447	499.276	507.024	514.643	522.240	529.655
Rural population	322.608	317.661	312.683	307.636	302.516	297.321	292.045	286.587	281.117	275.554	269.896	264.143	258.295	252.336	246.212	240.081
Percent urban	56,04	56,89	57,74	58,59	59,44	60,29	61,14	62,00	62,85	63,70	64,55	65,40	66,25	67,10	67,96	68,81
Percent rural	43,96	43,11	42,26	41,41	40,56	39,71	38,86	38,00	37,15	36,30	35,45	34,60	33,75	32,90	32,04	31,19

Table D.44.b Age groups and sex distribution for every five years from the population projection of 44-Malatya province

Population by Age and Sex - Total 44-Malatya							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	67.891	34.679	33.212	0-4	55.794	28.656	27.138
5-9	65.447	33.661	31.786	5-9	67.034	34.240	32.793
10-14	69.081	35.443	33.638	10-14	64.300	33.106	31.194
15-19	66.279	33.695	32.584	15-19	67.758	34.808	32.950
20-24	67.017	34.297	32.720	20-24	62.030	31.380	30.651
25-29	63.776	31.646	32.130	25-29	62.059	31.832	30.227
30-34	57.308	28.785	28.523	30-34	61.081	30.418	30.663
35-39	51.726	25.521	26.205	35-39	55.355	27.657	27.699
40-44	45.395	22.939	22.456	40-44	50.604	24.919	25.685
45-49	40.408	20.546	19.862	45-49	44.922	22.732	22.190
50-54	34.586	17.645	16.941	50-54	39.534	19.911	19.622
55-59	28.129	13.567	14.562	55-59	33.516	16.912	16.604
60-64	22.648	10.362	12.286	60-64	26.957	12.806	14.152
65-69	18.847	8.559	10.288	65-69	20.988	9.443	11.545
70-74	14.117	6.356	7.761	70-74	16.172	7.162	9.010
75-79	11.972	6.006	5.966	75-79	10.440	4.531	5.909
80+	9.162	3.052	6.110	80+	10.188	4.261	5.928
TOTAL	733.789	366.759	367.030	TOTAL	748.731	374.774	373.957
2018	Total	Male	Female	2023	Total	Male	Female
0-4	54.760	28.133	26.627	0-4	52.836	27.153	25.682
5-9	55.028	28.265	26.763	5-9	54.026	27.759	26.267
10-14	65.895	33.690	32.204	10-14	53.922	27.733	26.189
15-19	63.003	32.486	30.517	15-19	64.607	33.076	31.531
20-24	63.520	32.497	31.023	20-24	58.804	30.199	28.605
25-29	57.124	28.948	28.176	25-29	58.626	30.070	28.556
30-34	59.396	30.616	28.781	30-34	54.516	27.765	26.751
35-39	59.125	29.290	29.836	35-39	57.478	29.500	27.978
40-44	54.224	27.046	27.178	40-44	57.988	28.678	29.310
45-49	50.083	24.694	25.388	45-49	53.682	26.804	26.878
50-54	43.968	22.051	21.918	50-54	49.046	23.976	25.070
55-59	38.299	19.081	19.219	55-59	42.605	21.138	21.467
60-64	32.011	15.897	16.115	60-64	36.546	17.917	18.630
65-69	24.891	11.609	13.282	65-69	29.463	14.345	15.118
70-74	18.020	7.904	10.116	70-74	21.336	9.693	11.643
75-79	12.006	5.130	6.876	75-79	13.428	5.682	7.746
80+	9.990	4.099	5.891	80+	10.828	4.377	6.451
TOTAL	761.343	381.434	379.909	TOTAL	769.736	385.865	383.871

Table D.45.a Summary table for annual results of the population projection of 45-Manisa province

45-Manisa	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	1,87	1,86	1,84	1,82	1,80	1,78	1,76	1,74	1,72	1,70	1,68	1,66	1,64	1,63	1,61	1,59
GRR	0,91	0,91	0,90	0,89	0,88	0,87	0,86	0,85	0,84	0,83	0,82	0,81	0,80	0,80	0,79	0,78
NRR	0,89	0,89	0,88	0,87	0,86	0,85	0,85	0,84	0,83	0,82	0,81	0,80	0,79	0,79	0,78	0,77
Mean A. Childb.	27,4	27,5	27,6	27,7	27,7	27,8	27,9	28,0	28,1	28,1	28,2	28,3	28,4	28,4	28,5	28,6
Child-woman ratio	0,28	0,28	0,28	0,28	0,27	0,27	0,27	0,27	0,27	0,26	0,26	0,25	0,25	0,25	0,24	0,24
Fertility table: Custom																
Mortality																
Male LE	73,6	73,7	74,0	74,4	74,7	75,1	75,4	75,8	76,1	76,5	76,9	77,2	77,6	78,0	78,4	78,8
Female LE	76,4	76,5	76,8	77,0	77,2	77,5	77,7	77,9	78,2	78,4	78,7	78,9	79,2	79,4	79,7	80,0
Total LE	75,0	75,1	75,4	75,7	76,0	76,3	76,6	76,9	77,2	77,5	77,8	78,1	78,4	78,7	79,1	79,4
IMR	13,7	13,0	12,3	11,6	10,9	10,3	9,6	8,9	8,2	7,5	6,8	6,1	5,4	4,7	4,0	3,3
U5MR	15,7	14,9	14,0	13,2	12,4	11,6	10,7	9,9	9,1	8,3	7,4	6,6	5,8	4,9	4,1	3,3
Life table: Coale-Demeny West																
Immigration																
Male immigration	957	957	957	957	957	957	957	957	957	957	957	957	957	957	957	957
Female immigration	1.886	1.886	1.886	1.886	1.886	1.886	1.886	1.886	1.886	1.886	1.886	1.886	1.886	1.886	1.886	1.886
Total immigration	2.843	2.843	2.843	2.843	2.843	2.843	2.843	2.843	2.843	2.843	2.843	2.843	2.843	2.843	2.843	2.843
Vital Rates																
CBR per 1000	14,9	14,7	14,5	14,3	14,0	13,8	13,5	13,3	13,0	12,7	12,5	12,2	11,9	11,8	11,5	11,3
CDR per 1000	7,5	7,3	7,3	7,2	7,2	7,2	7,1	7,1	7,0	7,0	7,0	7,0	7,0	7,0	7,0	7,0
RNI percent	0,74	0,75	0,72	0,70	0,68	0,66	0,64	0,62	0,60	0,57	0,55	0,52	0,50	0,48	0,45	0,42
GR percent	0,96	0,96	0,94	0,91	0,89	0,87	0,84	0,82	0,80	0,77	0,75	0,72	0,69	0,67	0,64	0,61
Doubling time	72,7	72,4	74,4	76,3	78,3	80,3	82,5	84,8	87,3	90,1	93,3	96,7	100,5	103,6	108,2	113,4
Annual Births&Deaths																
Births	19.603	19.597	19.466	19.319	19.156	18.981	18.793	18.593	18.379	18.150	17.907	17.657	17.399	17.243	16.977	16.710
Deaths	9.830	9.657	9.741	9.800	9.841	9.873	9.900	9.927	9.957	9.994	10.041	10.097	10.165	10.246	10.339	10.446
Population																
Total population	1.316.747	1.329.621	1.342.281	1.354.734	1.366.984	1.379.025	1.390.851	1.402.450	1.413.805	1.424.892	1.435.691	1.446.182	1.456.348	1.466.276	1.475.844	1.485.038
Male population	656.049	662.390	668.627	674.762	680.796	686.727	692.552	698.265	703.857	709.316	714.630	719.791	724.789	729.670	734.374	738.894
Female population	660.698	667.231	673.654	679.973	686.188	692.298	698.299	704.185	709.948	715.577	721.060	726.391	731.558	736.605	741.470	746.144
Percent 0-4	7,38	7,36	7,32	7,27	7,19	7,09	6,98	6,86	6,75	6,63	6,51	6,39	6,27	6,16	6,04	5,93
Percent 5-14	15,39	15,15	14,92	14,72	14,55	14,44	14,36	14,31	14,28	14,23	14,18	14,08	13,96	13,81	13,65	13,47
Percent 15-49	53,69	53,43	53,16	52,89	52,60	52,29	51,97	51,65	51,32	51,00	50,70	50,44	50,21	49,98	49,78	49,59
Percent 15-64	68,41	68,60	68,78	68,93	69,04	69,08	69,07	69,00	68,89	68,74	68,59	68,45	68,31	68,16	68,01	67,87
Percent 65 and over	8,82	8,89	8,97	9,08	9,22	9,39	9,59	9,82	10,09	10,39	10,72	11,08	11,46	11,87	12,29	12,74
Percent females 15-49	53,21	52,97	52,73	52,47	52,20	51,91	51,60	51,28	50,95	50,63	50,33	50,07	49,83	49,61	49,41	49,23
Sex ratio	99,30	99,27	99,25	99,23	99,21	99,20	99,18	99,16	99,14	99,13	99,11	99,09	99,07	99,06	99,04	99,03
Dependency ratio	0,46	0,46	0,45	0,45	0,45	0,45	0,45	0,45	0,45	0,45	0,45	0,46	0,46	0,47	0,47	0,47
Median age	32	32	33	33	33	33	34	34	35	35	35	36	36	36	37	37
Urban population	753.856	771.313	788.858	806.473	824.291	842.033	859.824	877.653	895.504	913.356	931.189	948.985	966.724	984.604	1.002.246	1.019.776
Rural population	562.891	558.308	553.422	548.261	542.693	536.992	531.027	524.797	518.301	511.536	504.502	497.197	489.624	481.672	473.598	465.262
Percent urban	57,25	58,01	58,77	59,53	60,30	61,06	61,82	62,58	63,34	64,10	64,86	65,62	66,38	67,15	67,91	68,67
Percent rural	42,75	41,99	41,23	40,47	39,70	38,94	38,18	37,42	36,66	35,90	35,14	34,38	33,62	32,85	32,09	31,33

Table D.45.b Age groups and sex distribution for every five years from the population projection of 45-Manisa province

Population by Age and Sex - Total							
45-Manisa							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	97.182	49.976	47.206	0-4	97.788	50.070	47.718
5-9	96.750	49.844	46.906	5-9	100.525	51.709	48.816
10-14	105.839	54.135	51.704	10-14	98.584	50.801	47.784
15-19	105.408	54.081	51.327	15-19	105.714	53.933	51.781
20-24	103.062	49.911	53.151	20-24	105.594	53.871	51.722
25-29	110.917	56.458	54.459	25-29	103.405	49.350	54.055
30-34	102.035	51.662	50.373	30-34	111.839	56.065	55.774
35-39	98.008	48.795	49.213	35-39	103.645	52.468	51.177
40-44	95.031	47.746	47.285	40-44	97.589	49.083	48.506
45-49	92.537	46.776	45.761	45-49	93.342	46.982	46.360
50-54	80.537	40.673	39.864	50-54	90.459	45.353	45.106
55-59	64.421	32.252	32.169	55-59	78.789	39.352	39.437
60-64	48.887	23.342	25.545	60-64	62.307	30.722	31.586
65-69	38.349	17.889	20.460	65-69	45.790	21.405	24.384
70-74	31.616	14.035	17.581	70-74	33.807	15.308	18.499
75-79	26.422	11.329	15.093	75-79	24.970	10.667	14.303
80+	19.746	7.145	12.601	80+	24.877	9.588	15.290
TOTAL	1.316.747	656.049	660.698	TOTAL	1.379.025	686.727	692.298
2018	Total	Male	Female	2023	Total	Male	Female
0-4	93.494	47.916	45.578	0-4	88.030	45.158	42.873
5-9	101.189	51.842	49.346	5-9	96.955	49.728	47.227
10-14	102.383	52.682	49.701	10-14	103.074	52.835	50.239
15-19	98.510	50.633	47.877	15-19	102.348	52.542	49.806
20-24	105.967	53.770	52.197	20-24	98.835	50.519	48.316
25-29	106.010	53.354	52.656	25-29	106.466	53.308	53.158
30-34	104.440	49.033	55.407	30-34	107.133	53.087	54.046
35-39	113.537	56.929	56.608	35-39	106.270	49.980	56.289
40-44	103.350	52.831	50.519	40-44	113.368	57.376	55.992
45-49	96.084	48.435	47.649	45-49	102.024	52.295	49.729
50-54	91.534	45.733	45.801	50-54	94.535	47.352	47.183
55-59	88.814	44.116	44.699	55-59	90.258	44.731	45.526
60-64	76.469	37.709	38.760	60-64	86.612	42.561	44.051
65-69	58.650	28.406	30.244	65-69	72.435	35.181	37.255
70-74	40.782	18.576	22.207	70-74	52.699	24.969	27.730
75-79	27.162	11.883	15.279	75-79	33.274	14.713	18.561
80+	27.317	10.783	16.534	80+	30.722	12.558	18.164
TOTAL	1.435.691	714.630	721.060	TOTAL	1.485.038	738.894	746.144

Table D.46.a Summary table for annual results of the population projection of 46-Kahramanmaraş province

46-Kahramanmaraş	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	3,17	3,14	3,12	3,10	3,07	3,05	3,02	3,00	2,98	2,95	2,93	2,91	2,88	2,86	2,84	2,81
GRR	1,55	1,53	1,52	1,51	1,50	1,49	1,47	1,46	1,45	1,44	1,43	1,42	1,40	1,40	1,39	1,37
NRR	1,47	1,46	1,45	1,44	1,43	1,42	1,41	1,40	1,39	1,38	1,37	1,36	1,35	1,34	1,33	1,32
Mean A. Childb.	27,1	27,2	27,3	27,4	27,5	27,6	27,7	27,8	27,9	28,0	28,1	28,2	28,3	28,4	28,5	28,6
Child-woman ratio	0,42	0,43	0,44	0,45	0,46	0,47	0,46	0,45	0,44	0,44	0,43	0,42	0,42	0,41	0,41	0,41
Fertility table: Custom																
Mortality																
Male LE	69,1	69,1	69,2	69,3	69,5	69,6	69,7	69,9	70,0	70,1	70,3	70,4	70,5	70,7	70,8	71,0
Female LE	71,3	71,4	71,5	71,6	71,7	71,9	72,0	72,1	72,3	72,4	72,5	72,7	72,8	72,9	73,1	73,2
Total LE	70,2	70,2	70,3	70,5	70,6	70,7	70,9	71,0	71,1	71,3	71,4	71,5	71,7	71,8	71,9	72,1
IMR	28,3	27,9	27,4	26,9	26,5	26,0	25,5	25,1	24,6	24,2	23,7	23,2	22,8	22,3	21,8	21,4
U5MR	34,3	33,7	33,1	32,5	31,9	31,3	30,7	30,1	29,5	28,8	28,2	27,6	27,0	26,4	25,8	25,2
Life table: Coale-Demeny West																
Immigration																
Male immigration	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260
Female immigration	308	308	308	308	308	308	308	308	308	308	308	308	308	308	308	308
Total immigration	568	568	568	568	568	568	568	568	568	568	568	568	568	568	568	568
Vital Rates																
CBR per 1000	26,9	26,3	25,7	25,2	24,6	24,2	23,6	23,2	22,8	22,3	21,9	21,6	21,2	20,9	20,6	20,2
CDR per 1000	7,3	7,1	7,1	7,0	6,9	6,8	6,8	6,7	6,7	6,7	6,6	6,6	6,7	6,7	6,7	6,7
RNI percent	1,95	1,92	1,87	1,82	1,77	1,73	1,68	1,65	1,61	1,56	1,53	1,49	1,45	1,42	1,39	1,35
GR percent	2,01	1,97	1,92	1,88	1,82	1,78	1,73	1,69	1,65	1,61	1,57	1,54	1,50	1,46	1,43	1,39
Doubling time	34,8	35,5	36,4	37,3	38,3	39,2	40,3	41,3	42,2	43,4	44,4	45,4	46,7	47,7	48,8	50,1
Annual Births&Deaths																
Births	27.638	27.576	27.565	27.530	27.394	27.346	27.208	27.159	27.114	26.986	26.961	26.944	26.845	26.850	26.863	26.786
Deaths	7.523	7.466	7.563	7.631	7.688	7.746	7.812	7.885	7.968	8.062	8.177	8.305	8.443	8.592	8.747	8.906
Population																
Total population	1.029.298	1.050.026	1.070.647	1.091.163	1.111.487	1.131.705	1.151.718	1.171.609	1.191.373	1.210.913	1.230.314	1.249.570	1.268.589	1.287.464	1.306.197	1.324.693
Male population	521.726	532.335	542.871	553.346	563.717	574.030	584.235	594.375	604.447	614.402	624.280	634.077	643.745	653.330	662.834	672.209
Female population	507.572	517.692	527.775	537.817	547.770	557.675	567.483	577.234	586.925	596.511	606.034	615.493	624.844	634.134	643.362	652.484
Percent 0-4	10,80	11,05	11,28	11,49	11,69	11,87	11,63	11,41	11,19	10,98	10,79	10,61	10,43	10,26	10,11	9,96
Percent 5-14	20,98	20,74	20,48	20,20	19,91	19,62	19,72	19,81	19,89	19,95	20,00	20,05	20,10	20,14	20,18	20,20
Percent 15-49	52,43	52,27	52,13	52,01	51,90	51,79	51,70	51,60	51,50	51,38	51,23	51,02	50,79	50,55	50,29	50,04
Percent 15-64	62,33	62,35	62,40	62,47	62,56	62,65	62,75	62,83	62,91	62,99	63,05	63,08	63,09	63,10	63,09	63,07
Percent 65 and over	5,89	5,86	5,84	5,84	5,84	5,86	5,90	5,94	6,00	6,08	6,17	6,26	6,37	6,49	6,62	6,76
Percent females 15-49	52,20	52,05	51,92	51,80	51,70	51,61	51,52	51,43	51,33	51,20	51,05	50,82	50,57	50,30	50,02	49,75
Sex ratio	102,79	102,83	102,86	102,89	102,91	102,93	102,95	102,97	102,99	103,00	103,01	103,02	103,02	103,03	103,03	103,02
Dependency ratio	0,60	0,60	0,60	0,60	0,60	0,60	0,59	0,59	0,59	0,59	0,59	0,59	0,58	0,58	0,58	0,59
Median age	25	25	25	25	26	26	26	26	26	26	26	27	27	27	27	27
Urban population	533.900	551.474	569.370	587.373	605.538	624.022	642.543	661.256	680.274	699.302	718.627	737.996	757.474	777.242	797.041	816.938
Rural population	495.398	498.553	501.277	503.790	505.949	507.683	509.175	510.353	511.099	511.611	511.688	511.574	511.115	510.222	509.156	507.755
Percent urban	51,87	52,52	53,18	53,83	54,48	55,14	55,79	56,44	57,10	57,75	58,41	59,06	59,71	60,37	61,02	61,67
Percent rural	48,13	47,48	46,82	46,17	45,52	44,86	44,21	43,56	42,90	42,25	41,59	40,94	40,29	39,63	38,98	38,33

Table D.46.b Age groups and sex distribution for every five years from the population projection of 46-Kahramanmaraş province

Population by Age and Sex - Total							
46-Kahramanmaraş							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	111.190	57.446	53.744	0-4	134.288	68.651	65.638
5-9	110.378	56.763	53.615	5-9	111.320	57.375	53.945
10-14	105.559	54.121	51.438	10-14	110.722	56.722	54.000
15-19	96.794	49.582	47.212	15-19	104.949	53.596	51.352
20-24	91.207	44.979	46.228	20-24	93.014	47.387	45.627
25-29	93.679	47.997	45.682	25-29	88.341	43.562	44.779
30-34	79.362	40.924	38.438	30-34	93.036	48.078	44.958
35-39	70.622	35.657	34.965	35-39	78.700	40.643	38.057
40-44	57.716	29.607	28.109	40-44	70.326	35.442	34.883
45-49	50.253	25.956	24.297	45-49	57.778	29.628	28.150
50-54	41.501	21.310	20.191	50-54	49.928	25.756	24.172
55-59	33.395	16.411	16.984	55-59	40.818	20.932	19.886
60-64	27.053	13.169	13.884	60-64	32.142	15.708	16.434
65-69	21.738	10.397	11.341	65-69	24.785	11.945	12.840
70-74	15.320	6.971	8.349	70-74	18.461	8.647	9.814
75-79	13.051	6.565	6.486	75-79	11.470	5.060	6.410
80+	10.480	3.871	6.609	80+	11.626	4.897	6.729
TOTAL	1.029.298	521.726	507.572	TOTAL	1.131.705	574.030	557.675
2018	Total	Male	Female	2023	Total	Male	Female
0-4	132.714	67.860	64.854	0-4	131.953	67.485	64.468
5-9	134.383	68.568	65.815	5-9	132.900	67.828	65.073
10-14	111.689	57.348	54.341	10-14	134.733	68.532	66.201
15-19	110.128	56.206	53.922	15-19	111.125	56.848	54.278
20-24	101.175	51.404	49.771	20-24	106.380	54.027	52.353
25-29	90.188	45.982	44.205	25-29	98.360	50.005	48.356
30-34	87.790	43.703	44.088	30-34	89.683	46.137	43.546
35-39	92.324	47.772	44.552	35-39	87.183	43.463	43.719
40-44	78.380	40.409	37.971	40-44	91.938	47.503	44.435
45-49	70.244	35.397	34.846	45-49	78.253	40.328	37.925
50-54	57.331	29.365	27.967	50-54	69.574	35.025	34.548
55-59	48.967	25.208	23.759	55-59	56.173	28.707	27.466
60-64	39.144	19.929	19.215	60-64	46.868	23.941	22.927
65-69	29.435	14.230	15.205	65-69	35.811	18.016	17.795
70-74	21.084	9.948	11.136	70-74	25.087	11.875	13.212
75-79	13.860	6.302	7.558	75-79	15.886	7.277	8.609
80+	11.478	4.649	6.828	80+	12.786	5.212	7.574
TOTAL	1.230.314	624.280	606.034	TOTAL	1.324.693	672.209	652.484

Table D.47.a Summary table for annual results of the population projection of 47-Mardin province

47-Mardin	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	4,09	4,01	3,93	3,85	3,77	3,69	3,61	3,53	3,45	3,37	3,29	3,22	3,14	3,06	2,98	2,90
GRR	2,00	1,96	1,92	1,88	1,84	1,80	1,76	1,72	1,68	1,64	1,60	1,57	1,53	1,49	1,45	1,41
NRR	1,90	1,86	1,83	1,79	1,75	1,72	1,68	1,65	1,61	1,58	1,54	1,51	1,47	1,44	1,40	1,36
Mean A. Childb.	29,4	29,3	29,3	29,2	29,2	29,1	29,1	29,0	29,0	28,9	28,9	28,8	28,8	28,7	28,7	28,6
Child-woman ratio	0,55	0,55	0,55	0,54	0,54	0,54	0,53	0,52	0,51	0,50	0,49	0,48	0,48	0,47	0,46	0,45
Fertility table: Custom																
Mortality																
Male LE	69,2	69,4	69,5	69,6	69,7	69,8	69,9	70,0	70,2	70,3	70,4	70,5	70,6	70,7	70,8	70,9
Female LE	72,6	72,6	72,7	72,9	73,0	73,1	73,2	73,3	73,4	73,6	73,7	73,8	73,9	74,0	74,2	74,3
Total LE	70,9	71,0	71,1	71,2	71,3	71,4	71,6	71,7	71,8	71,9	72,0	72,1	72,2	72,4	72,5	72,6
IMR	31,7	31,2	30,7	30,2	29,7	29,3	28,8	28,3	27,8	27,3	26,9	26,5	26,0	25,6	25,2	24,8
U5MR	36,2	35,6	35,0	34,4	33,8	33,2	32,7	32,0	31,4	30,8	30,3	29,8	29,3	28,8	28,3	27,8
Life table: Coale-Demeny East																
Immigration																
Male immigration	-7.178	-7.178	-7.178	-7.178	-7.178	-7.178	-7.178	-7.178	-7.178	-7.178	-7.178	-7.178	-7.178	-7.178	-7.178	-7.178
Female immigration	-6.648	-6.648	-6.648	-6.648	-6.648	-6.648	-6.648	-6.648	-6.648	-6.648	-6.648	-6.648	-6.648	-6.648	-6.648	-6.648
Total immigration	-13.826	-13.826	-13.826	-13.826	-13.826	-13.826	-13.826	-13.826	-13.826	-13.826	-13.826	-13.826	-13.826	-13.826	-13.826	-13.826
Vital Rates																
CBR per 1000	31,4	31,1	30,7	30,2	29,8	29,3	28,8	28,3	27,8	27,2	26,6	26,1	25,4	24,7	24,0	23,2
CDR per 1000	5,6	5,5	5,5	5,5	5,5	5,5	5,5	5,4	5,4	5,4	5,4	5,5	5,5	5,5	5,6	5,6
RNI percent	2,58	2,55	2,51	2,47	2,43	2,38	2,34	2,29	2,23	2,18	2,12	2,06	1,99	1,92	1,84	1,76
GR percent	0,74	0,72	0,70	0,67	0,63	0,60	0,56	0,52	0,48	0,43	0,37	0,32	0,26	0,19	0,11	0,02
Doubling time	94,1	96,2	100,0	104,4	109,5	115,9	123,9	133,6	146,2	162,8	186,7	216,9	271,7	374,9	640,7	2810,7
Annual Births&Deaths																
Births	23.597	23.478	23.337	23.168	22.964	22.727	22.461	22.167	21.844	21.487	21.091	20.720	20.244	19.725	19.153	18.529
Deaths	4.220	4.185	4.220	4.237	4.246	4.252	4.261	4.267	4.278	4.291	4.316	4.348	4.382	4.421	4.463	4.506
Population																
Total population	750.699	755.980	761.087	766.007	770.715	775.180	779.370	783.260	786.817	790.003	792.768	795.131	796.984	798.278	798.960	798.975
Male population	378.451	381.053	383.559	385.964	388.258	390.427	392.453	394.325	396.029	397.544	398.844	399.940	400.775	401.325	401.561	401.456
Female population	372.248	374.927	377.528	380.042	382.457	384.754	386.918	388.935	390.788	392.459	393.924	395.191	396.209	396.953	397.399	397.520
Percent 0-4	13,47	13,47	13,51	13,57	13,66	13,77	13,58	13,38	13,16	12,93	12,69	12,45	12,19	11,92	11,63	11,32
Percent 5-14	26,09	25,41	24,69	23,95	23,22	22,53	22,20	21,95	21,76	21,62	21,52	21,43	21,37	21,33	21,31	21,30
Percent 15-49	49,68	50,20	50,71	51,19	51,61	51,95	52,21	52,38	52,47	52,48	52,41	52,28	52,10	51,87	51,61	51,36
Percent 15-64	56,06	56,73	57,41	58,07	58,68	59,23	59,70	60,09	60,42	60,70	60,95	61,18	61,39	61,59	61,78	61,95
Percent 65 and over	4,38	4,39	4,39	4,41	4,43	4,47	4,52	4,58	4,66	4,75	4,85	4,94	5,05	5,16	5,28	5,42
Percent females 15-49	48,93	49,42	49,90	50,35	50,76	51,12	51,40	51,62	51,76	51,81	51,78	51,67	51,50	51,28	51,04	50,78
Sex ratio	101,67	101,63	101,60	101,56	101,52	101,47	101,43	101,39	101,34	101,30	101,25	101,20	101,15	101,10	101,05	100,99
Dependency ratio	0,78	0,76	0,74	0,72	0,70	0,69	0,68	0,66	0,66	0,65	0,64	0,63	0,63	0,62	0,62	0,61
Median age	20	20	20	21	21	21	22	22	22	23	23	24	24	25	25	26
Urban population	345.892	353.496	361.060	368.602	376.186	383.637	391.010	398.288	405.447	412.540	419.374	426.031	432.444	438.654	444.462	449.903
Rural population	404.807	402.484	400.027	397.404	394.529	391.544	388.360	384.972	381.370	377.463	373.394	369.100	364.540	359.624	354.499	349.072
Percent urban	46,08	46,76	47,44	48,12	48,81	49,49	50,17	50,85	51,53	52,22	52,90	53,58	54,26	54,95	55,63	56,31
Percent rural	53,92	53,24	52,56	51,88	51,19	50,51	49,83	49,15	48,47	47,78	47,10	46,42	45,74	45,05	44,37	43,69

Table D.47.b Age groups and sex distribution for every five years from the population projection of 47-Mardin province

Population by Age and Sex - Total 47-Mardin							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	101.088	51.544	49.544	0-4	106.767	54.521	52.247
5-9	99.055	50.225	48.830	5-9	89.232	45.276	43.957
10-14	96.830	49.266	47.564	10-14	85.418	42.902	42.516
15-19	84.665	43.362	41.303	15-19	84.418	42.491	41.927
20-24	73.088	39.366	33.722	20-24	75.414	38.401	37.013
25-29	63.715	31.766	31.949	25-29	67.221	36.590	30.631
30-34	51.125	25.342	25.783	30-34	58.192	29.249	28.943
35-39	43.655	22.028	21.627	35-39	46.864	23.268	23.596
40-44	32.241	16.799	15.442	40-44	40.563	20.486	20.076
45-49	24.434	12.103	12.331	45-49	30.053	15.570	14.483
50-54	18.978	9.142	9.836	50-54	22.892	11.252	11.640
55-59	15.999	7.123	8.876	55-59	18.076	8.662	9.415
60-64	12.966	5.619	7.347	60-64	15.451	6.768	8.682
65-69	11.291	5.128	6.163	65-69	12.037	5.086	6.951
70-74	8.577	4.010	4.567	70-74	9.687	4.275	5.411
75-79	7.547	3.630	3.917	75-79	6.450	2.911	3.538
80+	5.445	1.998	3.447	80+	6.445	2.717	3.728
TOTAL	750.699	378.451	372.248	TOTAL	775.180	390.427	384.754
2018	Total	Male	Female	2023	Total	Male	Female
0-4	100.630	51.389	49.241	0-4	90.482	46.188	44.294
5-9	94.941	48.269	46.672	5-9	88.872	45.170	43.702
10-14	75.628	37.970	37.657	10-14	81.342	40.966	40.376
15-19	73.051	36.155	36.896	15-19	63.298	31.245	32.052
20-24	75.194	37.549	37.645	20-24	63.890	31.254	32.636
25-29	69.569	35.648	33.922	25-29	69.377	34.814	34.564
30-34	61.700	34.058	27.643	30-34	64.067	33.134	30.933
35-39	53.910	27.161	26.750	35-39	57.419	31.950	25.469
40-44	43.770	21.728	22.041	40-44	50.784	25.599	25.185
45-49	38.283	19.211	19.072	45-49	41.479	20.450	21.029
50-54	28.399	14.634	13.764	50-54	36.476	18.191	18.285
55-59	21.864	10.684	11.180	55-59	27.188	13.925	13.262
60-64	17.414	8.201	9.213	60-64	21.012	10.092	10.920
65-69	14.317	6.116	8.201	65-69	16.117	7.401	8.715
70-74	10.374	4.260	6.115	70-74	12.349	5.128	7.221
75-79	7.323	3.119	4.204	75-79	7.900	3.131	4.769
80+	6.400	2.693	3.707	80+	6.924	2.818	4.106
TOTAL	792.768	398.844	393.924	TOTAL	798.975	401.456	397.520

Table D.48.a Summary table for annual results of the population projection of 48-Muğla province

48-Muğla	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	1,79	1,77	1,75	1,73	1,71	1,69	1,67	1,65	1,63	1,61	1,59	1,58	1,56	1,54	1,52	1,50
GRR	0,87	0,86	0,85	0,84	0,83	0,82	0,81	0,80	0,80	0,79	0,78	0,77	0,76	0,75	0,74	0,73
NRR	0,85	0,85	0,84	0,83	0,82	0,81	0,80	0,79	0,78	0,78	0,77	0,76	0,75	0,74	0,74	0,73
Mean A. Childb.	27,4	27,5	27,6	27,7	27,7	27,8	27,9	28,0	28,1	28,1	28,2	28,3	28,4	28,4	28,5	28,6
Child-woman ratio	0,26	0,26	0,26	0,25	0,25	0,25	0,24	0,24	0,24	0,23	0,23	0,23	0,23	0,22	0,22	0,22
Fertility table: Custom																
Mortality																
Male LE	73,6	73,7	74,0	74,4	74,7	75,1	75,4	75,8	76,1	76,5	76,9	77,2	77,6	78,0	78,4	78,8
Female LE	76,4	76,5	76,8	77,0	77,2	77,5	77,7	77,9	78,2	78,4	78,7	78,9	79,2	79,4	79,7	80,0
Total LE	75,0	75,1	75,4	75,7	75,9	76,2	76,5	76,8	77,1	77,4	77,8	78,1	78,4	78,7	79,0	79,4
IMR	13,7	13,0	12,3	11,6	10,9	10,3	9,6	8,9	8,2	7,5	6,8	6,1	5,4	4,7	4,0	3,3
U5MR	15,7	14,9	14,0	13,2	12,4	11,6	10,7	9,9	9,1	8,3	7,4	6,6	5,8	4,9	4,1	3,3
Life table: Coale-Demeny West																
Immigration																
Male immigration	5.324	5.324	5.324	5.324	5.324	5.324	5.324	5.324	5.324	5.324	5.324	5.324	5.324	5.324	5.324	5.324
Female immigration	5.624	5.624	5.624	5.624	5.624	5.624	5.624	5.624	5.624	5.624	5.624	5.624	5.624	5.624	5.624	5.624
Total immigration	10.948	10.948	10.948	10.948	10.948	10.948	10.948	10.948	10.948	10.948	10.948	10.948	10.948	10.948	10.948	10.948
Vital Rates																
CBR per 1000	14,2	13,9	13,7	13,4	13,2	12,9	12,7	12,4	12,2	12,0	11,7	11,6	11,3	11,1	10,9	10,7
CDR per 1000	7,7	7,4	7,3	7,2	7,1	7,0	6,9	6,8	6,8	6,7	6,6	6,6	6,6	6,5	6,5	6,5
RNI percent	0,65	0,66	0,64	0,62	0,60	0,59	0,57	0,56	0,54	0,53	0,51	0,50	0,48	0,46	0,44	0,42
GR percent	2,03	2,01	1,97	1,92	1,88	1,84	1,81	1,77	1,73	1,70	1,66	1,63	1,59	1,55	1,52	1,48
Doubling time	34,4	34,8	35,6	36,4	37,2	37,9	38,7	39,5	40,3	41,2	42,2	42,9	43,9	45,0	46,1	47,2
Annual Births&Deaths																
Births	11.212	11.251	11.274	11.284	11.285	11.281	11.272	11.256	11.233	11.203	11.166	11.198	11.157	11.113	11.066	11.016
Deaths	6.063	5.956	6.025	6.073	6.108	6.136	6.164	6.193	6.225	6.267	6.320	6.385	6.459	6.541	6.630	6.725
Population																
Total population	791.425	807.740	824.009	840.239	856.435	872.597	888.720	904.799	920.821	936.770	952.629	968.454	984.162	999.744	1.015.189	1.030.489
Male population	405.078	413.210	421.312	429.387	437.436	445.460	453.456	461.421	469.350	477.237	485.072	492.888	500.643	508.331	515.950	523.493
Female population	386.347	394.531	402.697	410.852	418.999	427.137	435.265	443.378	451.471	459.534	467.556	475.566	483.520	491.413	499.240	506.996
Percent 0-4	7,03	6,94	6,85	6,75	6,65	6,54	6,43	6,32	6,21	6,10	5,99	5,89	5,79	5,69	5,59	5,50
Percent 5-14	14,25	14,12	13,96	13,80	13,65	13,53	13,43	13,35	13,25	13,15	13,02	12,86	12,69	12,53	12,36	12,18
Percent 15-49	55,40	55,20	55,00	54,78	54,53	54,25	53,95	53,62	53,29	52,96	52,65	52,35	52,05	51,75	51,44	51,13
Percent 15-64	69,75	69,99	70,25	70,49	70,69	70,85	70,94	71,00	71,02	71,03	71,02	71,01	70,97	70,91	70,82	70,72
Percent 65 and over	8,97	8,95	8,95	8,96	9,00	9,08	9,19	9,34	9,52	9,73	9,98	10,25	10,55	10,88	11,23	11,60
Percent females 15-49	54,49	54,43	54,35	54,25	54,12	53,94	53,72	53,48	53,22	52,96	52,71	52,47	52,23	51,98	51,72	51,45
Sex ratio	104,85	104,73	104,62	104,51	104,40	104,29	104,18	104,07	103,96	103,85	103,75	103,64	103,54	103,44	103,35	103,25
Dependency ratio	0,43	0,43	0,42	0,42	0,41	0,41	0,41	0,41	0,41	0,41	0,41	0,41	0,41	0,41	0,41	0,41
Median age	33	33	34	34	34	35	35	35	35	36	36	37	37	38	38	38
Urban population	284.238	297.410	310.899	324.584	338.634	352.878	367.486	382.368	397.426	412.835	428.397	444.327	460.490	476.778	493.382	510.092
Rural population	507.187	510.330	513.111	515.655	517.800	519.719	521.235	522.431	523.395	523.935	524.232	524.127	523.673	522.966	521.807	520.397
Percent urban	35,91	36,82	37,73	38,63	39,54	40,44	41,35	42,26	43,16	44,07	44,97	45,88	46,79	47,69	48,60	49,50
Percent rural	64,09	63,18	62,27	61,37	60,46	59,56	58,65	57,74	56,84	55,93	55,03	54,12	53,21	52,31	51,40	50,50

Table D.48.b Age groups and sex distribution for every five years from the population projection of 48-Muğla province

Population by Age and Sex - Total							
48-Muğla							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	55.613	28.578	27.035	0-4	57.067	29.272	27.794
5-9	54.794	28.210	26.584	5-9	59.214	30.665	28.549
10-14	58.003	30.021	27.982	10-14	58.869	30.571	28.298
15-19	55.894	28.877	27.017	15-19	60.924	31.482	29.442
20-24	61.418	32.133	29.285	20-24	61.001	30.770	30.230
25-29	68.700	35.661	33.039	25-29	68.158	34.470	33.688
30-34	68.530	35.433	33.097	30-34	75.505	38.689	36.816
35-39	66.027	34.392	31.635	35-39	74.217	38.431	35.786
40-44	61.706	32.135	29.571	40-44	69.384	36.070	33.314
45-49	56.169	29.300	26.869	45-49	64.224	33.122	31.102
50-54	47.294	24.583	22.711	50-54	58.283	30.222	28.060
55-59	37.376	18.990	18.386	55-59	48.763	25.353	23.410
60-64	28.916	14.338	14.578	60-64	37.740	19.214	18.525
65-69	23.751	11.567	12.184	65-69	27.820	13.805	14.015
70-74	18.455	8.898	9.557	70-74	21.220	10.178	11.041
75-79	16.380	7.338	9.042	75-79	14.697	6.909	7.788
80+	12.399	4.624	7.775	80+	15.514	6.236	9.278
TOTAL	791.425	405.078	386.347	TOTAL	872.597	445.460	427.137
2018	Total	Male	Female	2023	Total	Male	Female
0-4	57.035	29.282	27.753	0-4	56.670	29.121	27.549
5-9	60.699	31.381	29.318	5-9	60.701	31.413	29.287
10-14	63.300	33.034	30.266	10-14	64.801	33.761	31.040
15-19	61.813	32.048	29.765	15-19	66.268	34.527	31.741
20-24	66.060	33.396	32.664	20-24	66.989	33.990	33.000
25-29	67.793	33.144	34.649	25-29	72.897	35.800	37.098
30-34	75.028	37.540	37.487	30-34	74.725	36.255	38.470
35-39	81.252	41.727	39.525	35-39	80.861	40.633	40.227
40-44	77.642	40.157	37.485	40-44	84.770	43.516	41.254
45-49	71.980	37.113	34.867	45-49	80.347	41.277	39.070
50-54	66.407	34.103	32.304	50-54	74.286	38.182	36.104
55-59	59.697	30.971	28.726	55-59	67.921	34.932	32.990
60-64	48.880	25.411	23.469	60-64	59.728	30.984	28.743
65-69	36.259	18.427	17.832	65-69	47.006	24.363	22.643
70-74	25.055	12.261	12.794	70-74	32.862	16.484	16.379
75-79	17.159	8.045	9.114	75-79	20.547	9.855	10.692
80+	16.572	7.034	9.537	80+	19.110	8.400	10.709
TOTAL	952.629	485.072	467.556	TOTAL	1.030.489	523.493	506.996

Table D.49.a Summary table for annual results of the population projection of 49-Muş province

49-Muş	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	
Fertility																	
Input TFR	3,33	3,27	3,20	3,14	3,08	3,02	2,96	2,90	2,83	2,77	2,71	2,65	2,59	2,52	2,46	2,40	
GRR	1,62	1,60	1,56	1,53	1,50	1,47	1,44	1,41	1,38	1,35	1,32	1,29	1,26	1,23	1,20	1,17	
NRR	1,53	1,50	1,47	1,45	1,42	1,39	1,37	1,34	1,31	1,28	1,25	1,23	1,20	1,17	1,14	1,12	
Mean A. Childb.	29,1	29,0	29,0	29,0	28,9	28,9	28,9	28,8	28,8	28,8	28,8	28,7	28,7	28,7	28,6	28,6	
Child-woman ratio	0,60	0,57	0,54	0,51	0,48	0,44	0,43	0,42	0,40	0,39	0,38	0,37	0,36	0,35	0,34	0,33	
Fertility table: Custom																	
Mortality																	
Male LE	67,9	68,0	68,1	68,2	68,3	68,4	68,5	68,6	68,7	68,8	68,9	69,0	69,1	69,2	69,3	69,4	
Female LE	71,2	71,2	71,3	71,4	71,6	71,7	71,8	71,9	72,0	72,1	72,2	72,3	72,4	72,5	72,6	72,7	
Total LE	69,5	69,6	69,7	69,8	69,9	70,0	70,1	70,2	70,3	70,4	70,5	70,6	70,7	70,8	70,9	71,0	
IMR	37,7	37,3	36,8	36,4	35,9	35,5	35,0	34,6	34,1	33,7	33,2	32,8	32,3	31,9	31,4	31,0	
U5MR	43,6	43,0	42,5	41,9	41,4	40,8	40,3	39,7	39,2	38,6	38,1	37,5	37,0	36,4	35,9	35,3	
Life table: Coale-Demeny East																	
Immigration																	
Male immigration	-7.881	-7.881	-7.881	-7.881	-7.881	-7.881	-7.881	-7.881	-7.881	-7.881	-7.881	-7.881	-7.881	-7.881	-7.881	-7.881	-7.881
Female immigration	-7.957	-7.957	-7.957	-7.957	-7.957	-7.957	-7.957	-7.957	-7.957	-7.957	-7.957	-7.957	-7.957	-7.957	-7.957	-7.957	-7.957
Total immigration	-15.838	-15.838	-15.838	-15.838	-15.838	-15.838	-15.838	-15.838	-15.838	-15.838	-15.838	-15.838	-15.838	-15.838	-15.838	-15.838	-15.838
Vital Rates																	
CBR per 1000	24,3	24,0	23,6	23,3	22,9	22,5	22,1	21,7	21,2	20,8	20,4	19,9	19,5	19,0	18,6	18,1	
CDR per 1000	5,2	5,2	5,3	5,4	5,4	5,5	5,6	5,8	5,9	6,1	6,3	6,5	6,8	7,1	7,5	7,9	
RNI percent	1,92	1,88	1,84	1,79	1,75	1,70	1,65	1,59	1,53	1,47	1,41	1,34	1,27	1,19	1,11	1,02	
GR percent	-2,00	-2,12	-2,26	-2,40	-2,55	-2,72	-2,90	-3,10	-3,33	-3,56	-3,82	-4,10	-4,42	-4,77	-5,17	-5,61	
Doubling time	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	
Annual Births&Deaths																	
Births	9.843	9.509	9.143	8.798	8.440	8.071	7.692	7.311	6.908	6.536	6.170	5.801	5.438	5.057	4.696	4.333	
Deaths	2.089	2.065	2.040	2.020	2.000	1.978	1.959	1.941	1.925	1.915	1.907	1.903	1.901	1.899	1.898	1.895	
Population																	
Total population	404.313	395.749	386.845	377.615	368.049	358.135	347.862	337.226	326.203	314.818	303.076	290.969	278.501	265.655	252.450	238.884	
Male population	207.271	203.119	198.793	194.301	189.637	184.795	179.770	174.560	169.153	163.562	157.789	151.833	145.694	139.363	132.850	126.154	
Female population	197.042	192.630	188.052	183.314	178.412	173.340	168.092	162.666	157.050	151.257	145.287	139.137	132.808	126.292	119.599	112.730	
Percent 0-4	13,89	13,29	12,66	12,01	11,32	10,59	10,41	10,22	10,01	9,79	9,58	9,35	9,13	8,90	8,67	8,42	
Percent 5-14	27,92	27,64	27,37	27,08	26,75	26,39	25,41	24,38	23,32	22,25	21,19	20,27	19,28	18,18	16,96	15,62	
Percent 15-49	48,11	48,59	49,10	49,63	50,22	50,85	51,53	52,23	52,93	53,58	54,16	54,51	54,84	55,18	55,53	55,92	
Percent 15-64	54,79	55,53	56,30	57,09	57,93	58,82	59,75	60,71	61,67	62,61	63,52	64,24	64,99	65,80	66,68	67,65	
Percent 65 and over	3,41	3,53	3,67	3,82	3,99	4,20	4,43	4,70	5,00	5,34	5,71	6,14	6,61	7,12	7,69	8,31	
Percent females 15-49	47,18	47,56	47,95	48,38	48,87	49,45	50,09	50,78	51,48	52,14	52,71	52,98	53,22	53,42	53,60	53,77	
Sex ratio	105,19	105,45	105,71	105,99	106,29	106,61	106,95	107,31	107,71	108,14	108,61	109,12	109,70	110,35	111,08	111,91	
Dependency ratio	0,83	0,80	0,78	0,75	0,73	0,70	0,67	0,65	0,62	0,60	0,57	0,56	0,54	0,52	0,50	0,48	
Median age	18	19	19	20	20	20	21	21	22	23	23	24	25	25	26	27	
Urban population	110.507	111.522	112.262	112.756	113.028	112.991	112.672	112.094	111.170	109.935	108.410	106.524	104.299	101.746	98.809	95.506	
Rural population	293.806	284.227	274.582	264.859	255.021	245.143	235.189	225.132	215.033	204.884	194.666	184.445	174.203	163.909	153.641	143.378	
Percent urban	27,33	28,18	29,02	29,86	30,71	31,55	32,39	33,24	34,08	34,92	35,77	36,61	37,45	38,30	39,14	39,98	
Percent rural	72,67	71,82	70,98	70,14	69,29	68,45	67,61	66,76	65,92	65,08	64,23	63,39	62,55	61,70	60,86	60,02	

Table D.49.b Age groups and sex distribution for every five years from the population projection of 49-Muş province

Population by Age and Sex - Total							
49-Muş							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	56.153	29.027	27.126	0-4	37.928	19.469	18.459
5-9	58.666	29.916	28.750	5-9	46.455	24.117	22.338
10-14	54.200	28.078	26.122	10-14	48.061	24.451	23.610
15-19	48.531	25.189	23.342	15-19	43.246	22.450	20.796
20-24	37.681	19.813	17.868	20-24	37.399	20.150	17.249
25-29	33.484	16.934	16.550	25-29	27.648	15.470	12.178
30-34	24.703	12.760	11.943	30-34	24.735	12.488	12.247
35-39	20.494	10.973	9.521	35-39	19.237	9.700	9.537
40-44	16.124	8.804	7.320	40-44	16.763	8.903	7.861
45-49	13.490	7.069	6.421	45-49	13.092	7.249	5.844
50-54	11.605	5.764	5.841	50-54	10.910	5.704	5.205
55-59	8.870	4.045	4.825	55-59	9.793	4.801	4.992
60-64	6.533	2.998	3.535	60-64	7.831	3.488	4.343
65-69	5.174	2.254	2.920	65-69	5.763	2.580	3.183
70-74	3.235	1.485	1.750	70-74	4.209	1.768	2.441
75-79	2.959	1.317	1.642	75-79	2.336	987	1.348
80+	2.411	845	1.566	80+	2.729	1.021	1.709
TOTAL	404.313	207.271	197.042	TOTAL	358.135	184.795	173.340
2018	Total	Male	Female	2023	Total	Male	Female
0-4	29.020	14.915	14.104	0-4	20.120	10.364	9.756
5-9	28.344	14.620	13.723	5-9	19.492	10.096	9.396
10-14	35.883	18.671	17.213	10-14	17.813	9.197	8.616
15-19	37.134	18.841	18.293	15-19	24.997	13.085	11.913
20-24	32.150	17.434	14.716	20-24	26.075	13.851	12.225
25-29	27.378	15.811	11.567	25-29	22.169	13.120	9.048
30-34	18.944	11.041	7.903	30-34	18.684	11.385	7.298
35-39	19.279	9.435	9.843	35-39	13.538	8.006	5.532
40-44	15.532	7.651	7.881	40-44	15.584	7.395	8.189
45-49	13.733	7.352	6.381	45-49	12.536	6.129	6.407
50-54	10.532	5.886	4.646	50-54	11.169	5.992	5.177
55-59	9.133	4.751	4.382	55-59	8.778	4.931	3.847
60-64	8.695	4.187	4.508	60-64	8.084	4.148	3.935
65-69	6.947	3.017	3.930	65-69	7.724	3.635	4.089
70-74	4.714	2.037	2.676	70-74	5.724	2.400	3.324
75-79	3.066	1.194	1.872	75-79	3.449	1.390	2.060
80+	2.594	947	1.647	80+	2.948	1.031	1.917
TOTAL	303.076	157.789	145.287	TOTAL	238.884	126.154	112.730

Table D.50.a Summary table for annual results of the population projection of 50-Nevşehir province

50-Nevşehir	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	2,21	2,19	2,17	2,15	2,13	2,11	2,09	2,06	2,04	2,02	2,00	1,98	1,96	1,94	1,92	1,90
GRR	1,08	1,07	1,06	1,05	1,04	1,03	1,02	1,00	1,00	0,99	0,98	0,97	0,96	0,95	0,94	0,93
NRR	1,04	1,04	1,03	1,02	1,01	1,00	0,99	0,98	0,97	0,96	0,96	0,95	0,94	0,93	0,92	0,91
Mean A. Childb.	27,0	27,2	27,3	27,4	27,5	27,6	27,7	27,8	27,9	28,0	28,1	28,2	28,3	28,4	28,5	28,6
Child-woman ratio	0,31	0,31	0,31	0,31	0,31	0,31	0,31	0,30	0,30	0,30	0,30	0,29	0,29	0,29	0,28	0,28
Fertility table: Custom																
Mortality																
Male LE	71,9	71,8	72,0	72,1	72,3	72,4	72,6	72,7	72,9	73,1	73,2	73,4	73,5	73,7	73,9	74,0
Female LE	74,1	74,2	74,5	74,8	75,0	75,2	75,5	75,7	75,9	76,1	76,4	76,6	76,8	77,1	77,3	77,6
Total LE	73,0	73,1	73,3	73,5	73,7	73,9	74,0	74,2	74,4	74,6	74,8	75,0	75,2	75,4	75,6	75,8
IMR	19,1	18,5	17,9	17,3	16,7	16,2	15,8	15,3	14,8	14,3	13,9	13,4	12,9	12,4	12,0	11,5
U5MR	22,3	21,5	20,8	20,0	19,3	18,7	18,1	17,6	17,0	16,4	15,9	15,3	14,7	14,2	13,6	13,0
Life table: Coale-Demeny West																
Immigration																
Male immigration	-694	-694	-694	-694	-694	-694	-694	-694	-694	-694	-694	-694	-694	-694	-694	-694
Female immigration	-657	-657	-657	-657	-657	-657	-657	-657	-657	-657	-657	-657	-657	-657	-657	-657
Total immigration	-1.351	-1.351	-1.351	-1.351	-1.351	-1.351	-1.351	-1.351	-1.351	-1.351	-1.351	-1.351	-1.351	-1.351	-1.351	-1.351
Vital Rates																
CBR per 1000	17,5	17,2	17,0	16,7	16,4	16,2	15,9	15,6	15,4	15,1	14,9	14,6	14,3	14,1	13,8	13,6
CDR per 1000	8,2	8,1	8,1	8,1	8,1	8,0	8,0	8,0	8,0	8,0	8,0	8,1	8,1	8,2	8,2	8,3
RNI percent	0,93	0,91	0,89	0,86	0,84	0,82	0,79	0,76	0,74	0,71	0,68	0,65	0,62	0,59	0,56	0,52
GR percent	0,45	0,44	0,41	0,39	0,37	0,35	0,32	0,29	0,27	0,25	0,22	0,19	0,16	0,13	0,10	0,06
Doubling time	155,4	159,1	168,8	178,7	189,2	200,8	214,1	235,6	255,7	281,4	315,6	363,6	432,1	537,5	722,2	1130,4
Annual Births&Deaths																
Births	4.919	4.869	4.816	4.762	4.707	4.652	4.596	4.516	4.456	4.394	4.329	4.259	4.189	4.118	4.045	3.971
Deaths	2.309	2.282	2.296	2.303	2.306	2.308	2.310	2.314	2.319	2.327	2.338	2.352	2.369	2.389	2.413	2.440
Population																
Total population	281.700	282.925	284.083	285.181	286.221	287.204	288.127	288.968	289.744	290.450	291.079	291.625	292.084	292.451	292.721	292.890
Male population	139.026	139.721	140.376	140.995	141.580	142.132	142.650	143.122	143.558	143.954	144.306	144.611	144.866	145.068	145.215	145.305
Female population	142.674	143.204	143.707	144.186	144.641	145.072	145.477	145.846	146.186	146.496	146.773	147.014	147.218	147.383	147.506	147.585
Percent 0-4	8,17	8,16	8,14	8,11	8,07	8,03	7,91	7,79	7,67	7,55	7,43	7,31	7,19	7,07	6,95	6,83
Percent 5-14	17,59	17,17	16,74	16,31	15,91	15,56	15,31	15,10	14,92	14,75	14,61	14,52	14,41	14,30	14,18	14,05
Percent 15-49	52,43	52,47	52,49	52,49	52,44	52,33	52,16	51,93	51,66	51,35	51,02	50,63	50,24	49,87	49,51	49,17
Percent 15-64	65,60	65,97	66,35	66,70	67,01	67,27	67,47	67,62	67,71	67,76	67,79	67,74	67,69	67,63	67,56	67,47
Percent 65 and over	8,64	8,70	8,78	8,88	9,00	9,14	9,31	9,49	9,70	9,93	10,17	10,43	10,71	11,00	11,32	11,66
Percent females 15-49	51,59	51,57	51,54	51,48	51,38	51,23	51,03	50,78	50,49	50,17	49,84	49,45	49,07	48,71	48,38	48,09
Sex ratio	97,44	97,57	97,68	97,79	97,88	97,97	98,06	98,13	98,20	98,26	98,32	98,37	98,40	98,43	98,45	98,45
Dependency ratio	0,52	0,52	0,51	0,50	0,49	0,49	0,48	0,48	0,48	0,48	0,48	0,48	0,48	0,48	0,48	0,48
Median age	30	30	31	31	31	32	32	32	32	33	33	34	34	34	35	36
Urban population	81.900	84.057	86.219	88.349	90.503	92.652	94.794	96.891	99.006	101.106	103.159	105.218	107.253	109.260	111.205	113.143
Rural population	199.800	198.868	197.864	196.832	195.718	194.552	193.333	192.077	190.739	189.344	187.921	186.407	184.831	183.191	181.516	179.747
Percent urban	29,07	29,71	30,35	30,98	31,62	32,26	32,90	33,53	34,17	34,81	35,44	36,08	36,72	37,36	37,99	38,63
Percent rural	70,93	70,29	69,65	69,02	68,38	67,74	67,10	66,47	65,83	65,19	64,56	63,92	63,28	62,64	62,01	61,37

Table D.50.b Age groups and sex distribution for every five years from the population projection of 50-Nevşehir province

Population by Age and Sex - Total							
50-Nevşehir							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	23.024	11.718	11.306	0-4	23.055	11.642	11.413
5-9	24.251	12.273	11.978	5-9	22.038	10.958	11.080
10-14	25.300	12.940	12.360	10-14	22.644	11.308	11.337
15-19	23.435	11.878	11.557	15-19	23.663	12.172	11.491
20-24	22.021	10.701	11.320	20-24	22.665	11.655	11.010
25-29	23.278	11.800	11.478	25-29	21.624	10.459	11.165
30-34	21.460	10.944	10.516	30-34	22.568	11.386	11.183
35-39	20.781	10.428	10.353	35-39	20.637	10.637	10.000
40-44	19.464	9.690	9.774	40-44	20.041	10.110	9.931
45-49	17.258	8.650	8.608	45-49	19.087	9.540	9.547
50-54	14.481	7.159	7.322	50-54	16.888	8.448	8.439
55-59	12.379	6.024	6.355	55-59	14.111	6.952	7.159
60-64	10.228	4.541	5.687	60-64	11.928	5.780	6.148
65-69	8.042	3.464	4.578	65-69	9.480	4.159	5.321
70-74	6.564	2.775	3.789	70-74	6.906	2.925	3.981
75-79	5.584	2.514	3.070	75-79	4.948	2.028	2.920
80+	4.150	1.527	2.623	80+	4.920	1.974	2.946
TOTAL	281.700	139.026	142.674	TOTAL	287.204	142.132	145.072
2018	Total	Male	Female	2023	Total	Male	Female
0-4	21.627	10.907	10.720	0-4	19.997	10.070	9.927
5-9	22.081	10.886	11.194	5-9	20.664	10.157	10.507
10-14	20.439	9.996	10.442	10-14	20.485	9.927	10.558
15-19	21.019	10.546	10.472	15-19	18.823	9.240	9.582
20-24	22.902	11.952	10.950	20-24	20.274	10.337	9.937
25-29	22.278	11.415	10.863	25-29	22.526	11.717	10.809
30-34	20.936	10.056	10.880	30-34	21.600	11.014	10.586
35-39	21.757	11.083	10.674	35-39	20.149	9.767	10.382
40-44	19.920	10.327	9.593	40-44	21.054	10.779	10.275
45-49	19.686	9.967	9.719	45-49	19.595	10.194	9.400
50-54	18.717	9.334	9.383	50-54	19.344	9.770	9.574
55-59	16.482	8.211	8.271	55-59	18.308	9.088	9.220
60-64	13.619	6.670	6.949	60-64	15.933	7.880	8.053
65-69	11.079	5.293	5.786	65-69	12.702	6.125	6.578
70-74	8.203	3.531	4.672	70-74	9.645	4.512	5.133
75-79	5.284	2.166	3.118	75-79	6.361	2.644	3.717
80+	5.050	1.964	3.087	80+	5.431	2.083	3.348
TOTAL	291.079	144.306	146.773	TOTAL	292.890	145.305	147.585

Table D.51.a Summary table for annual results of the population projection of 51-Niğde province

51-Niğde	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	2,62	2,59	2,56	2,54	2,51	2,49	2,46	2,43	2,41	2,38	2,36	2,33	2,30	2,28	2,25	2,23
GRR	1,28	1,26	1,25	1,24	1,22	1,21	1,20	1,19	1,18	1,16	1,15	1,14	1,12	1,11	1,10	1,09
NRR	1,24	1,22	1,21	1,20	1,19	1,18	1,17	1,16	1,15	1,14	1,13	1,11	1,10	1,09	1,08	1,07
Mean A. Childb.	27,0	27,2	27,3	27,4	27,5	27,6	27,7	27,8	27,9	28,0	28,1	28,2	28,3	28,4	28,5	28,6
Child-woman ratio	0,36	0,36	0,37	0,37	0,37	0,37	0,36	0,35	0,34	0,34	0,33	0,33	0,32	0,32	0,31	0,31
Fertility table: Custom																
Mortality																
Male LE	71,9	71,8	72,0	72,1	72,3	72,4	72,6	72,7	72,9	73,1	73,2	73,4	73,5	73,7	73,9	74,0
Female LE	74,1	74,2	74,5	74,8	75,0	75,2	75,5	75,7	75,9	76,1	76,4	76,6	76,8	77,1	77,3	77,6
Total LE	73,0	73,0	73,2	73,4	73,6	73,8	74,0	74,2	74,4	74,6	74,7	74,9	75,1	75,3	75,5	75,7
IMR	19,1	18,5	17,9	17,3	16,7	16,2	15,8	15,3	14,8	14,3	13,9	13,4	12,9	12,4	12,0	11,5
U5MR	22,3	21,5	20,8	20,0	19,3	18,7	18,1	17,6	17,0	16,4	15,9	15,3	14,7	14,2	13,6	13,0
Life table: Coale-Demeny West																
Immigration																
Male immigration	1.071	1.071	1.071	1.071	1.071	1.071	1.071	1.071	1.071	1.071	1.071	1.071	1.071	1.071	1.071	1.071
Female immigration	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88
Total immigration	1.159	1.159	1.159	1.159	1.159	1.159	1.159	1.159	1.159	1.159	1.159	1.159	1.159	1.159	1.159	1.159
Vital Rates																
CBR per 1000	21,2	20,6	20,0	19,4	18,9	18,4	17,8	17,3	16,9	16,4	16,0	15,5	15,1	14,7	14,3	13,9
CDR per 1000	7,2	7,0	7,0	6,9	6,9	6,9	6,9	6,8	6,8	6,9	6,9	6,9	7,0	7,0	7,1	7,1
RNI percent	1,40	1,36	1,30	1,25	1,20	1,15	1,10	1,05	1,00	0,95	0,91	0,86	0,81	0,77	0,72	0,68
GR percent	1,74	1,70	1,63	1,58	1,52	1,47	1,41	1,35	1,31	1,25	1,21	1,15	1,10	1,05	1,00	0,96
Doubling time	40,1	41,2	42,8	44,3	46,0	47,6	49,5	51,5	53,4	55,7	57,9	60,5	63,4	66,1	69,4	72,5
Annual Births&Deaths																
Births	7.170	7.081	6.987	6.915	6.814	6.738	6.632	6.525	6.443	6.334	6.250	6.138	6.027	5.944	5.837	5.757
Deaths	2.431	2.400	2.436	2.466	2.493	2.521	2.550	2.580	2.613	2.650	2.691	2.737	2.786	2.839	2.894	2.951
Population																
Total population	338.446	344.295	350.013	355.630	361.118	366.502	371.751	376.863	381.860	386.711	391.436	396.002	400.409	404.679	408.788	412.758
Male population	169.377	172.918	176.380	179.780	183.106	186.371	189.560	192.672	195.719	198.683	201.577	204.381	207.095	209.731	212.276	214.740
Female population	169.069	171.377	173.633	175.850	178.012	180.131	182.191	184.191	186.142	188.027	189.859	191.621	193.313	194.948	196.512	198.018
Percent 0-4	9,39	9,40	9,38	9,35	9,30	9,23	8,99	8,75	8,52	8,29	8,08	7,86	7,66	7,46	7,27	7,08
Percent 5-14	19,36	18,88	18,39	17,92	17,48	17,07	16,86	16,66	16,47	16,29	16,12	15,97	15,81	15,63	15,45	15,25
Percent 15-49	52,56	52,66	52,74	52,79	52,80	52,76	52,69	52,58	52,43	52,24	52,01	51,71	51,40	51,07	50,76	50,45
Percent 15-64	63,82	64,26	64,71	65,14	65,55	65,92	66,26	66,56	66,82	67,06	67,26	67,43	67,58	67,71	67,83	67,92
Percent 65 and over	7,42	7,47	7,52	7,59	7,67	7,77	7,89	8,03	8,18	8,36	8,54	8,74	8,96	9,19	9,46	9,75
Percent females 15-49	51,77	51,75	51,70	51,63	51,53	51,40	51,24	51,05	50,82	50,53	50,20	49,77	49,32	48,85	48,39	47,95
Sex ratio	100,18	100,90	101,58	102,24	102,86	103,46	104,04	104,60	105,14	105,67	106,17	106,66	107,13	107,58	108,02	108,44
Dependency ratio	0,57	0,56	0,55	0,54	0,53	0,52	0,51	0,50	0,50	0,49	0,49	0,48	0,48	0,48	0,47	0,47
Median age	27	27	28	28	29	29	30	30	31	31	32	32	32	33	33	34
Urban population	135.951	141.195	146.516	151.854	157.267	162.690	168.180	173.659	179.207	184.732	190.316	195.863	201.446	206.993	212.570	218.101
Rural population	202.495	203.100	203.498	203.776	203.851	203.812	203.571	203.205	202.653	201.979	201.120	200.140	198.963	197.686	196.218	194.657
Percent urban	40,17	41,01	41,86	42,70	43,55	44,39	45,24	46,08	46,93	47,77	48,62	49,46	50,31	51,15	52,00	52,84
Percent rural	59,83	58,99	58,14	57,30	56,45	55,61	54,76	53,92	53,07	52,23	51,38	50,54	49,69	48,85	48,00	47,16

Table D.51.b Age groups and sex distribution for every five years from the population projection of 51-Niğde province

Population by Age and Sex - Total							
51-Niğde							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	31.790	16.453	15.337	0-4	33.833	17.263	16.570
5-9	32.578	16.631	15.947	5-9	31.048	16.065	14.984
10-14	32.948	16.812	16.136	10-14	31.510	15.995	15.515
15-19	31.142	15.849	15.293	15-19	33.325	17.340	15.985
20-24	29.696	15.157	14.539	20-24	30.297	16.707	13.590
25-29	28.532	14.670	13.862	25-29	27.628	14.764	12.864
30-34	24.923	12.708	12.215	30-34	28.590	14.647	13.943
35-39	24.144	12.097	12.047	35-39	26.041	13.365	12.676
40-44	21.135	10.726	10.409	40-44	25.277	12.685	12.592
45-49	18.319	9.162	9.157	45-49	22.218	11.275	10.942
50-54	14.743	7.268	7.475	50-54	19.475	9.666	9.810
55-59	12.622	6.143	6.479	55-59	15.719	7.724	7.996
60-64	10.756	4.955	5.801	60-64	13.046	6.372	6.674
65-69	8.874	3.936	4.938	65-69	10.466	4.848	5.617
70-74	6.683	2.883	3.800	70-74	7.891	3.478	4.413
75-79	5.486	2.542	2.944	75-79	5.232	2.205	3.027
80+	4.075	1.385	2.690	80+	4.905	1.971	2.934
TOTAL	338.446	169.377	169.069	TOTAL	366.502	186.371	180.131
2018	Total	Male	Female	2023	Total	Male	Female
0-4	31.612	16.120	15.492	0-4	29.243	14.904	14.339
5-9	33.103	16.879	16.224	5-9	30.899	15.745	15.154
10-14	29.989	15.433	14.556	10-14	32.047	16.249	15.798
15-19	31.899	16.529	15.370	15-19	30.388	15.973	14.416
20-24	32.488	18.200	14.288	20-24	31.079	17.399	13.680
25-29	28.242	16.316	11.926	25-29	30.441	17.812	12.629
30-34	27.707	14.749	12.958	30-34	28.335	16.303	12.032
35-39	29.712	15.303	14.409	35-39	28.854	15.414	13.439
40-44	27.188	13.955	13.233	40-44	30.863	15.892	14.972
45-49	26.344	13.223	13.121	45-49	28.273	14.496	13.777
50-54	23.337	11.750	11.587	50-54	27.441	13.681	13.761
55-59	20.345	10.051	10.294	55-59	24.152	12.088	12.064
60-64	16.036	7.877	8.159	60-64	20.504	10.095	10.409
65-69	12.613	6.146	6.467	65-69	15.441	7.537	7.904
70-74	9.319	4.267	5.052	70-74	11.250	5.392	5.858
75-79	6.226	2.674	3.552	75-79	7.407	3.291	4.115
80+	5.276	2.104	3.172	80+	6.140	2.468	3.672
TOTAL	391.436	201.577	189.859	TOTAL	412.758	214.740	198.018

Table D.52.a Summary table for annual results of the population projection of 52-Ordu province

52-Ordu	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	2,33	2,30	2,27	2,24	2,22	2,19	2,16	2,13	2,10	2,07	2,04	2,01	1,99	1,96	1,93	1,90
GRR	1,14	1,12	1,11	1,09	1,08	1,07	1,05	1,04	1,02	1,01	1,00	0,98	0,97	0,96	0,94	0,93
NRR	1,09	1,08	1,06	1,05	1,04	1,03	1,02	1,00	0,99	0,98	0,96	0,95	0,94	0,93	0,91	0,90
Mean A. Childb.	27,5	27,6	27,6	27,7	27,8	27,9	27,9	28,0	28,1	28,2	28,2	28,3	28,4	28,5	28,5	28,6
Child-woman ratio	0,28	0,29	0,30	0,31	0,31	0,32	0,31	0,31	0,30	0,30	0,29	0,29	0,29	0,28	0,28	0,28
Fertility table: Custom																
Mortality																
Male LE	70,7	70,7	70,8	71,0	71,1	71,2	71,4	71,5	71,6	71,8	71,9	72,0	72,2	72,3	72,4	72,6
Female LE	72,9	72,9	73,0	73,2	73,3	73,5	73,6	73,8	73,9	74,0	74,2	74,3	74,5	74,6	74,8	75,0
Total LE	71,8	71,8	71,9	72,1	72,2	72,3	72,5	72,6	72,8	72,9	73,0	73,2	73,3	73,5	73,6	73,8
IMR	22,7	22,4	21,9	21,4	20,9	20,5	20,1	19,7	19,3	18,9	18,5	18,1	17,7	17,3	16,8	16,2
U5MR	26,9	26,6	25,9	25,3	24,6	24,1	23,6	23,1	22,6	22,1	21,5	21,0	20,5	20,0	19,4	18,7
Life table: Coale-Demeny West																
Immigration																
Male immigration	-2.023	-2.023	-2.023	-2.023	-2.023	-2.023	-2.023	-2.023	-2.023	-2.023	-2.023	-2.023	-2.023	-2.023	-2.023	-2.023
Female immigration	-1.716	-1.716	-1.716	-1.716	-1.716	-1.716	-1.716	-1.716	-1.716	-1.716	-1.716	-1.716	-1.716	-1.716	-1.716	-1.716
Total immigration	-3.739	-3.739	-3.739	-3.739	-3.739	-3.739	-3.739	-3.739	-3.739	-3.739	-3.739	-3.739	-3.739	-3.739	-3.739	-3.739
Vital Rates																
CBR per 1000	17,4	17,0	16,6	16,2	15,9	15,5	15,1	14,8	14,4	14,0	13,7	13,3	13,0	12,6	12,2	11,8
CDR per 1000	9,8	9,8	9,9	10,0	10,0	10,0	10,1	10,1	10,1	10,2	10,3	10,4	10,5	10,7	10,8	11,0
RNI percent	0,76	0,72	0,67	0,62	0,59	0,55	0,51	0,47	0,43	0,39	0,34	0,29	0,25	0,19	0,14	0,09
GR percent	0,24	0,20	0,15	0,11	0,07	0,03	-0,01	-0,05	-0,09	-0,13	-0,18	-0,23	-0,27	-0,33	-0,39	-0,44
Doubling time	295,1	341,6	455,8	647,3	958,7	2158,8	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
Annual Births&Deaths																
Births	12.509	12.249	11.989	11.724	11.505	11.229	10.953	10.680	10.408	10.133	9.851	9.558	9.309	9.010	8.703	8.387
Deaths	7.079	7.046	7.151	7.210	7.243	7.258	7.275	7.289	7.309	7.343	7.393	7.459	7.538	7.625	7.716	7.782
Population																
Total population	719.278	720.743	721.843	722.619	723.143	723.376	723.317	722.970	722.330	721.382	720.102	718.462	716.494	714.139	711.387	708.253
Male population	358.910	359.724	360.326	360.741	361.009	361.116	361.063	360.854	360.489	359.959	359.256	358.363	357.298	356.030	354.556	352.879
Female population	360.368	361.019	361.517	361.878	362.134	362.260	362.254	362.115	361.841	361.423	360.846	360.099	359.196	358.109	356.832	355.374
Percent 0-4	7,16	7,35	7,51	7,65	7,77	7,86	7,68	7,52	7,35	7,17	7,00	6,83	6,67	6,50	6,33	6,16
Percent 5-14	17,30	16,70	16,12	15,56	15,05	14,59	14,42	14,28	14,18	14,11	14,07	14,14	14,18	14,20	14,20	14,17
Percent 15-49	51,14	51,00	50,86	50,70	50,48	50,20	49,84	49,42	48,94	48,42	47,85	47,16	46,47	45,80	45,14	44,51
Percent 15-64	65,43	65,77	66,11	66,44	66,72	66,96	67,13	67,24	67,27	67,24	67,13	66,87	66,59	66,29	66,00	65,71
Percent 65 and over	10,12	10,19	10,26	10,35	10,46	10,60	10,76	10,96	11,20	11,47	11,79	12,16	12,56	13,01	13,47	13,96
Percent females 15-49	50,37	50,28	50,18	50,06	49,90	49,67	49,37	49,01	48,59	48,12	47,61	46,96	46,31	45,68	45,07	44,49
Sex ratio	99,60	99,64	99,67	99,69	99,69	99,68	99,67	99,65	99,63	99,60	99,56	99,52	99,47	99,42	99,36	99,30
Dependency ratio	0,53	0,52	0,51	0,51	0,50	0,49	0,49	0,49	0,49	0,49	0,49	0,50	0,50	0,51	0,52	0,52
Median age	31	32	32	33	33	34	34	35	35	36	37	37	38	38	39	40
Urban population	263.452	270.351	277.116	283.772	290.342	296.801	303.142	309.359	315.442	321.376	327.142	332.791	338.185	343.358	348.295	352.993
Rural population	455.826	450.392	444.728	438.846	432.801	426.575	420.175	413.611	406.889	400.006	392.960	385.670	378.309	370.781	363.092	355.260
Percent urban	36,63	37,51	38,39	39,27	40,15	41,03	41,91	42,79	43,67	44,55	45,43	46,32	47,20	48,08	48,96	49,84
Percent rural	63,37	62,49	61,61	60,73	59,85	58,97	58,09	57,21	56,33	55,45	54,57	53,68	52,80	51,92	51,04	50,16

Table D.52.b Age groups and sex distribution for every five years from the population projection of 52-Ordu province

Population by Age and Sex - Total							
52-Ordu							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	51.471	26.540	24.931	0-4	56.824	29.149	27.675
5-9	59.066	30.183	28.883	5-9	49.478	25.457	24.021
10-14	65.358	33.233	32.125	10-14	56.053	28.398	27.655
15-19	62.620	31.730	30.890	15-19	59.737	30.476	29.261
20-24	52.578	26.108	26.470	20-24	54.192	27.445	26.747
25-29	56.780	28.826	27.954	25-29	45.531	21.895	23.635
30-34	51.789	26.280	25.509	30-34	53.483	26.576	26.907
35-39	51.245	25.899	25.346	35-39	51.074	26.095	24.979
40-44	48.794	25.097	23.697	40-44	50.268	25.726	24.542
45-49	44.004	22.339	21.665	45-49	48.816	24.964	23.852
50-54	40.422	19.887	20.535	50-54	45.737	23.157	22.579
55-59	33.808	16.733	17.075	55-59	41.801	20.627	21.174
60-64	28.576	13.415	15.161	60-64	33.738	16.643	17.095
65-69	24.377	11.316	13.061	65-69	26.717	12.449	14.269
70-74	18.674	8.825	9.849	70-74	20.913	9.522	11.391
75-79	18.255	8.761	9.494	75-79	14.120	6.519	7.600
80+	11.461	3.738	7.723	80+	14.896	6.019	8.877
TOTAL	719.278	358.910	360.368	TOTAL	723.376	361.116	362.260
2018	Total	Male	Female	2023	Total	Male	Female
0-4	50.428	25.871	24.558	0-4	43.617	22.378	21.238
5-9	54.843	28.071	26.772	5-9	48.492	24.812	23.680
10-14	46.493	23.686	22.807	10-14	51.860	26.300	25.560
15-19	50.470	25.661	24.808	15-19	40.944	20.968	19.976
20-24	51.343	26.207	25.136	20-24	42.128	21.422	20.706
25-29	47.164	23.237	23.926	25-29	44.352	22.017	22.335
30-34	42.321	19.694	22.626	30-34	43.973	21.041	22.932
35-39	52.792	26.405	26.387	35-39	41.727	19.577	22.150
40-44	50.144	25.942	24.201	40-44	51.890	26.269	25.620
45-49	50.324	25.613	24.711	45-49	50.259	25.857	24.402
50-54	50.505	25.754	24.751	50-54	52.057	26.431	25.626
55-59	46.996	23.805	23.190	55-59	51.691	26.353	25.338
60-64	41.351	20.321	21.031	60-64	46.360	23.357	23.002
65-69	31.481	15.382	16.099	65-69	38.521	18.743	19.779
70-74	23.006	10.523	12.483	70-74	27.176	13.039	14.137
75-79	15.944	7.100	8.844	75-79	17.651	7.908	9.743
80+	14.498	5.981	8.517	80+	15.554	6.405	9.149
TOTAL	720.102	359.256	360.846	TOTAL	708.253	352.879	355.374

Table D.53.a Summary table for annual results of the population projection of 53-Rize province

53-Rize	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	1,53	1,52	1,51	1,50	1,50	1,49	1,48	1,47	1,46	1,45	1,44	1,43	1,43	1,42	1,41	1,40
GRR	0,75	0,74	0,74	0,73	0,73	0,73	0,72	0,72	0,71	0,71	0,70	0,70	0,70	0,69	0,69	0,68
NRR	0,72	0,71	0,71	0,70	0,70	0,70	0,70	0,69	0,69	0,68	0,68	0,68	0,68	0,67	0,67	0,66
Mean A. Childb.	27,5	27,6	27,6	27,7	27,8	27,9	27,9	28,0	28,1	28,2	28,2	28,3	28,4	28,5	28,5	28,6
Child-woman ratio	0,27	0,25	0,24	0,23	0,22	0,21	0,21	0,21	0,21	0,20	0,20	0,20	0,20	0,20	0,20	0,20
Fertility table: Custom																
Mortality																
Male LE	70,7	70,7	70,9	71,0	71,2	71,3	71,4	71,6	71,7	71,8	72,0	72,1	72,2	72,4	72,5	72,6
Female LE	72,9	73,0	73,1	73,2	73,4	73,5	73,7	73,8	74,0	74,1	74,3	74,4	74,6	74,7	74,9	75,0
Total LE	71,8	71,9	72,0	72,1	72,3	72,4	72,6	72,7	72,8	73,0	73,1	73,3	73,4	73,6	73,7	73,8
IMR	22,7	22,2	21,7	21,2	20,8	20,3	19,9	19,5	19,1	18,7	18,3	17,9	17,4	17,0	16,6	16,2
U5MR	26,9	26,3	25,6	25,0	24,4	23,9	23,4	22,8	22,3	21,8	21,3	20,7	20,2	19,7	19,2	18,7
Life table: Coale-Demeny West																
Immigration																
Male immigration	-411	-411	-411	-411	-411	-411	-411	-411	-411	-411	-411	-411	-411	-411	-411	-411
Female immigration	-161	-161	-161	-161	-161	-161	-161	-161	-161	-161	-161	-161	-161	-161	-161	-161
Total immigration	-572	-572	-572	-572	-572	-572	-572	-572	-572	-572	-572	-572	-572	-572	-572	-572
Vital Rates																
CBR per 1000	12,1	11,9	11,7	11,5	11,4	11,2	11,1	10,9	10,8	10,6	10,5	10,4	10,3	10,2	10,0	9,9
CDR per 1000	9,0	8,9	9,1	9,2	9,3	9,4	9,5	9,6	9,7	9,8	9,9	10,1	10,3	10,5	10,7	10,9
RNI percent	0,31	0,29	0,26	0,23	0,21	0,18	0,16	0,13	0,11	0,09	0,06	0,03	0,00	-0,03	-0,07	-0,10
GR percent	0,13	0,11	0,08	0,05	0,03	0,01	-0,02	-0,04	-0,07	-0,09	-0,12	-0,15	-0,18	-0,21	-0,25	-0,28
Doubling time	547,5	611,0	875,3	1405,4	2306,0	13841,3	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
Annual Births&Deaths																
Births	3.854	3.790	3.731	3.675	3.646	3.593	3.542	3.494	3.447	3.401	3.354	3.304	3.277	3.226	3.172	3.115
Deaths	2.877	2.855	2.906	2.946	2.978	3.005	3.034	3.062	3.092	3.129	3.171	3.219	3.271	3.327	3.383	3.440
Population																
Total population	319.410	319.788	320.057	320.230	320.341	320.372	320.323	320.198	319.995	319.709	319.334	318.862	318.310	317.652	316.882	315.999
Male population	157.651	157.966	158.209	158.386	158.515	158.587	158.603	158.567	158.478	158.334	158.135	157.877	157.569	157.198	156.762	156.259
Female population	161.759	161.822	161.848	161.844	161.826	161.785	161.720	161.631	161.517	161.375	161.199	160.986	160.741	160.454	160.120	159.740
Percent 0-4	7,10	6,82	6,53	6,23	5,92	5,60	5,53	5,46	5,40	5,33	5,26	5,20	5,14	5,09	5,03	4,98
Percent 5-14	16,27	15,88	15,50	15,14	14,82	14,52	14,01	13,53	13,07	12,66	12,27	11,95	11,61	11,27	10,92	10,56
Percent 15-49	54,13	54,07	53,98	53,86	53,69	53,47	53,18	52,83	52,41	51,93	51,40	50,78	50,14	49,51	48,92	48,37
Percent 15-64	67,37	67,90	68,43	68,95	69,43	69,89	70,30	70,66	70,95	71,16	71,28	71,26	71,18	71,07	70,93	70,78
Percent 65 and over	9,26	9,40	9,54	9,68	9,83	9,99	10,17	10,36	10,58	10,86	11,19	11,60	12,06	12,57	13,12	13,69
Percent females 15-49	52,87	52,91	52,94	52,95	52,91	52,81	52,64	52,40	52,09	51,72	51,29	50,76	50,20	49,64	49,12	48,64
Sex ratio	97,46	97,62	97,75	97,86	97,95	98,02	98,07	98,10	98,12	98,12	98,10	98,07	98,03	97,97	97,90	97,82
Dependency ratio	0,48	0,47	0,46	0,45	0,44	0,43	0,42	0,42	0,41	0,41	0,40	0,40	0,40	0,41	0,41	0,41
Median age	32	32	33	33	34	34	35	36	36	37	37	38	39	39	40	40
Urban population	139.369	144.864	150.299	155.696	161.067	166.401	171.725	176.973	182.173	187.318	192.431	197.440	202.382	207.236	211.994	216.681
Rural population	180.041	174.924	169.758	164.534	159.274	153.971	148.598	143.225	137.822	132.392	126.903	121.423	115.929	110.416	104.888	99.318
Percent urban	43,63	45,30	46,96	48,62	50,28	51,94	53,61	55,27	56,93	58,59	60,26	61,92	63,58	65,24	66,90	68,57
Percent rural	56,37	54,70	53,04	51,38	49,72	48,06	46,39	44,73	43,07	41,41	39,74	38,08	36,42	34,76	33,10	31,43

Table D.53.b Age groups and sex distribution for every five years from the population projection of 53-Rize province

Population by Age and Sex - Total							
53-Rize							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	22.671	11.623	11.048	0-4	17.937	9.181	8.756
5-9	24.798	12.634	12.164	5-9	22.145	11.295	10.850
10-14	27.180	13.795	13.385	10-14	24.379	12.322	12.057
15-19	27.448	13.938	13.510	15-19	26.670	13.381	13.289
20-24	24.495	11.940	12.555	20-24	25.767	12.904	12.863
25-29	25.582	12.700	12.882	25-29	22.085	10.667	11.418
30-34	24.607	12.521	12.086	30-34	23.599	11.630	11.969
35-39	25.784	13.059	12.725	35-39	23.663	11.945	11.718
40-44	23.989	12.350	11.639	40-44	25.625	12.970	12.655
45-49	20.999	10.882	10.117	45-49	23.892	12.369	11.523
50-54	17.963	9.044	8.919	50-54	21.067	10.901	10.166
55-59	13.066	6.576	6.490	55-59	18.336	9.184	9.152
60-64	11.251	5.161	6.090	60-64	13.190	6.603	6.587
65-69	10.053	4.305	5.748	65-69	10.918	4.994	5.924
70-74	7.636	3.311	4.325	70-74	9.023	3.860	5.163
75-79	7.037	2.752	4.285	75-79	5.953	2.508	3.445
80+	4.851	1.060	3.791	80+	6.123	1.874	4.249
TOTAL	319.410	157.651	161.759	TOTAL	320.372	158.587	161.785
2018	Total	Male	Female	2023	Total	Male	Female
0-4	16.805	8.600	8.205	0-4	15.723	8.044	7.679
5-9	17.439	8.866	8.572	5-9	16.318	8.290	8.029
10-14	21.736	10.988	10.748	10-14	17.041	8.565	8.476
15-19	23.883	11.915	11.968	15-19	21.252	10.587	10.665
20-24	25.003	12.354	12.649	20-24	22.235	10.899	11.336
25-29	23.364	11.632	11.732	25-29	22.616	11.090	11.526
30-34	20.134	9.614	10.520	30-34	21.420	10.580	10.840
35-39	22.678	11.067	11.611	35-39	19.247	9.069	10.178
40-44	23.544	11.876	11.668	40-44	22.587	11.015	11.572
45-49	25.532	12.994	12.538	45-49	23.506	11.929	11.576
50-54	23.927	12.369	11.558	50-54	25.567	12.999	12.568
55-59	21.357	10.983	10.374	55-59	24.162	12.418	11.744
60-64	18.186	9.052	9.133	60-64	21.079	10.761	10.318
65-69	12.710	6.304	6.406	65-69	17.298	8.524	8.774
70-74	9.789	4.454	5.336	70-74	11.365	5.578	5.787
75-79	7.047	2.934	4.113	75-79	7.668	3.398	4.270
80+	6.201	2.133	4.068	80+	6.917	2.514	4.403
TOTAL	319.334	158.135	161.199	TOTAL	315.999	156.259	159.740

Table D.54.a Summary table for annual results of the population projection of 54-Sakarya province

54-Sakarya	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	1,96	1,94	1,92	1,90	1,88	1,86	1,84	1,83	1,81	1,79	1,77	1,75	1,73	1,71	1,69	1,67
GRR	0,96	0,95	0,94	0,93	0,92	0,91	0,90	0,89	0,88	0,87	0,86	0,85	0,84	0,83	0,82	0,81
NRR	0,94	0,93	0,92	0,91	0,90	0,89	0,88	0,88	0,87	0,86	0,85	0,84	0,84	0,83	0,82	0,81
Mean A. Childb.	27,4	27,5	27,6	27,7	27,7	27,8	27,9	28,0	28,1	28,1	28,2	28,3	28,4	28,4	28,5	28,6
Child-woman ratio	0,29	0,29	0,29	0,29	0,29	0,28	0,28	0,27	0,27	0,26	0,26	0,26	0,25	0,25	0,24	0,24
Fertility table: Custom																
Mortality																
Male LE	73,6	73,7	74,0	74,4	74,7	75,1	75,4	75,8	76,1	76,5	76,9	77,2	77,6	78,0	78,4	78,8
Female LE	76,4	76,5	76,8	77,0	77,2	77,5	77,7	77,9	78,2	78,4	78,7	78,9	79,2	79,4	79,7	80,0
Total LE	75,0	75,1	75,4	75,7	76,0	76,3	76,6	76,8	77,1	77,5	77,8	78,1	78,4	78,7	79,0	79,4
IMR	13,7	13,0	12,3	11,6	10,9	10,3	9,6	8,9	8,2	7,5	6,8	6,1	5,4	4,7	4,0	3,3
U5MR	15,7	14,9	14,0	13,2	12,4	11,6	10,7	9,9	9,1	8,3	7,4	6,6	5,8	4,9	4,1	3,3
Life table: Coale-Demeny West																
Immigration																
Male immigration	1.688	1.688	1.688	1.688	1.688	1.688	1.688	1.688	1.688	1.688	1.688	1.688	1.688	1.688	1.688	1.688
Female immigration	1.746	1.746	1.746	1.746	1.746	1.746	1.746	1.746	1.746	1.746	1.746	1.746	1.746	1.746	1.746	1.746
Total immigration	3.434	3.434	3.434	3.434	3.434	3.434	3.434	3.434	3.434	3.434	3.434	3.434	3.434	3.434	3.434	3.434
Vital Rates																
CBR per 1000	16,4	16,0	15,7	15,3	14,9	14,6	14,2	14,0	13,7	13,4	13,1	12,8	12,5	12,3	12,0	11,8
CDR per 1000	6,5	6,3	6,3	6,2	6,2	6,1	6,1	6,0	6,0	5,9	5,9	5,9	5,9	5,9	5,9	6,0
RNI percent	0,99	0,97	0,94	0,91	0,88	0,85	0,82	0,80	0,77	0,74	0,72	0,69	0,66	0,64	0,61	0,59
GR percent	1,39	1,37	1,33	1,29	1,26	1,22	1,19	1,17	1,13	1,10	1,07	1,04	1,01	0,98	0,95	0,93
Doubling time	50,2	50,9	52,4	53,9	55,4	57,0	58,5	59,8	61,4	63,2	65,0	66,9	68,9	71,0	73,1	75,3
Annual Births&Deaths																
Births	13.952	13.835	13.702	13.557	13.407	13.256	13.104	13.021	12.869	12.721	12.579	12.439	12.309	12.188	12.074	11.964
Deaths	5.540	5.436	5.491	5.525	5.546	5.561	5.578	5.596	5.618	5.650	5.693	5.747	5.811	5.882	5.958	6.039
Population																
Total population	851.292	863.181	874.881	886.403	897.753	908.937	919.951	930.864	941.603	952.161	962.535	972.714	982.699	992.491	1.002.093	1.011.504
Male population	426.365	432.476	438.490	444.410	450.241	455.986	461.642	467.246	472.758	478.179	483.505	488.733	493.864	498.898	503.837	508.680
Female population	424.927	430.705	436.392	441.993	447.512	452.951	458.309	463.619	468.844	473.982	479.029	483.980	488.835	493.593	498.256	502.824
Percent 0-4	7,76	7,76	7,74	7,69	7,62	7,52	7,36	7,21	7,06	6,91	6,78	6,64	6,51	6,38	6,26	6,14
Percent 5-14	16,92	16,66	16,39	16,13	15,88	15,64	15,48	15,30	15,12	14,93	14,74	14,61	14,47	14,32	14,14	13,95
Percent 15-49	54,46	54,27	54,09	53,94	53,78	53,62	53,46	53,28	53,10	52,90	52,69	52,38	52,07	51,76	51,46	51,15
Percent 15-64	67,82	68,03	68,26	68,50	68,72	68,92	69,09	69,23	69,34	69,42	69,47	69,42	69,35	69,27	69,18	69,10
Percent 65 and over	7,50	7,54	7,60	7,68	7,78	7,91	8,07	8,26	8,48	8,73	9,02	9,33	9,67	10,04	10,42	10,81
Percent females 15-49	54,18	54,02	53,87	53,73	53,60	53,46	53,31	53,16	53,00	52,82	52,62	52,32	52,02	51,71	51,40	51,09
Sex ratio	100,34	100,41	100,48	100,55	100,61	100,67	100,73	100,78	100,83	100,89	100,93	100,98	101,03	101,07	101,12	101,16
Dependency ratio	0,47	0,47	0,46	0,46	0,46	0,45	0,45	0,44	0,44	0,44	0,44	0,44	0,44	0,44	0,45	0,45
Median age	30	30	31	31	32	32	32	33	33	34	34	34	35	35	36	36
Urban population	555.706	575.137	594.832	614.632	634.711	654.889	675.336	695.914	716.654	737.639	758.670	779.922	801.194	822.676	844.163	865.847
Rural population	295.586	288.043	280.049	271.771	263.042	254.048	244.615	234.950	224.949	214.522	203.865	192.792	181.504	169.815	157.930	145.657
Percent urban	65,28	66,63	67,99	69,34	70,70	72,05	73,41	74,76	76,11	77,47	78,82	80,18	81,53	82,89	84,24	85,60
Percent rural	34,72	33,37	32,01	30,66	29,30	27,95	26,59	25,24	23,89	22,53	21,18	19,82	18,47	17,11	15,76	14,40

Table D.54.b Age groups and sex distribution for every five years from the population projection of 54-Sakarya province

Population by Age and Sex - Total							
54-Sakarya							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	66.091	33.958	32.133	0-4	68.391	35.154	33.237
5-9	71.243	36.586	34.657	5-9	68.582	35.372	33.210
10-14	72.768	37.464	35.304	10-14	73.605	37.677	35.928
15-19	69.641	35.371	34.270	15-19	75.447	38.595	36.852
20-24	70.016	34.189	35.827	20-24	68.879	34.857	34.022
25-29	76.574	38.858	37.716	25-29	67.731	32.828	34.903
30-34	70.184	35.721	34.463	30-34	78.102	39.509	38.593
35-39	64.531	32.463	32.068	35-39	72.007	36.678	35.329
40-44	58.432	29.446	28.986	40-44	65.726	32.931	32.795
45-49	54.215	27.317	26.898	45-49	59.484	29.843	29.641
50-54	47.990	24.293	23.697	50-54	54.966	27.749	27.217
55-59	37.555	19.114	18.441	55-59	47.834	24.215	23.618
60-64	28.227	13.670	14.557	60-64	36.262	18.342	17.920
65-69	22.310	10.282	12.028	65-69	26.223	12.557	13.667
70-74	16.474	7.407	9.067	70-74	19.433	8.722	10.711
75-79	14.517	6.369	8.148	75-79	12.896	5.647	7.249
80+	10.524	3.857	6.667	80+	13.369	5.309	8.060
TOTAL	851.292	426.365	424.927	TOTAL	908.937	455.986	452.951
2018	Total	Male	Female	2023	Total	Male	Female
0-4	65.212	33.557	31.654	0-4	62.150	32.018	30.132
5-9	70.919	36.594	34.326	5-9	67.782	35.025	32.757
10-14	70.965	36.477	34.488	10-14	73.320	37.711	35.609
15-19	76.314	38.829	37.485	15-19	73.707	37.651	36.055
20-24	74.721	38.106	36.615	20-24	75.636	38.373	37.262
25-29	66.648	33.529	33.119	25-29	72.538	36.810	35.727
30-34	69.344	33.534	35.810	30-34	68.323	34.271	34.052
35-39	79.982	40.504	39.478	35-39	71.322	34.590	36.733
40-44	73.268	37.189	36.080	40-44	81.329	41.072	40.257
45-49	66.850	33.380	33.470	45-49	74.495	37.705	36.790
50-54	60.333	30.345	29.988	50-54	67.810	33.961	33.848
55-59	54.849	27.706	27.143	55-59	60.354	30.398	29.957
60-64	46.345	23.334	23.010	60-64	53.399	26.858	26.541
65-69	33.912	16.978	16.934	65-69	43.662	21.785	21.877
70-74	23.105	10.817	12.288	70-74	30.215	14.842	15.373
75-79	15.480	6.787	8.694	75-79	18.703	8.582	10.120
80+	14.286	5.838	8.449	80+	16.760	7.027	9.733
TOTAL	962.535	483.505	479.029	TOTAL	1.011.504	508.680	502.824

Table D.55.a Summary table for annual results of the population projection of 55-Samsun province

55-Samsun																	
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	
Fertility																	
Input TFR	2,07	2,06	2,05	2,04	2,02	2,01	2,00	1,99	1,98	1,97	1,96	1,95	1,93	1,92	1,91	1,90	
GRR	1,01	1,00	1,00	1,00	0,99	0,98	0,98	0,97	0,97	0,96	0,96	0,95	0,94	0,94	0,93	0,93	
NRR	0,97	0,97	0,96	0,96	0,95	0,95	0,94	0,94	0,93	0,93	0,93	0,92	0,91	0,91	0,91	0,90	
Mean A. Childb.	27,5	27,6	27,6	27,7	27,8	27,9	27,9	28,0	28,1	28,2	28,2	28,3	28,4	28,5	28,5	28,6	
Child-woman ratio	0,28	0,28	0,29	0,29	0,29	0,30	0,29	0,29	0,29	0,29	0,28	0,28	0,28	0,28	0,27	0,27	
Fertility table: Custom																	
Mortality																	
Male LE	70,7	70,7	70,9	71,0	71,2	71,3	71,4	71,6	71,7	71,8	72,0	72,1	72,2	72,4	72,5	72,6	
Female LE	72,9	73,0	73,1	73,2	73,4	73,5	73,7	73,8	74,0	74,1	74,3	74,4	74,6	74,7	74,9	75,0	
Total LE	71,8	71,9	72,0	72,1	72,3	72,4	72,6	72,7	72,8	73,0	73,1	73,3	73,4	73,6	73,7	73,8	
IMR	22,7	22,2	21,7	21,2	20,8	20,3	19,9	19,5	19,1	18,7	18,3	17,9	17,4	17,0	16,6	16,2	
U5MR	26,9	26,3	25,6	25,0	24,4	23,9	23,4	22,8	22,3	21,8	21,3	20,7	20,2	19,7	19,2	18,7	
Life table: Coale-Demeny West																	
Immigration																	
Male immigration	-2.807	-2.807	-2.807	-2.807	-2.807	-2.807	-2.807	-2.807	-2.807	-2.807	-2.807	-2.807	-2.807	-2.807	-2.807	-2.807	-2.807
Female immigration	-2.422	-2.422	-2.422	-2.422	-2.422	-2.422	-2.422	-2.422	-2.422	-2.422	-2.422	-2.422	-2.422	-2.422	-2.422	-2.422	-2.422
Total immigration	-5.229	-5.229	-5.229	-5.229	-5.229	-5.229	-5.229	-5.229	-5.229	-5.229	-5.229	-5.229	-5.229	-5.229	-5.229	-5.229	-5.229
Vital Rates																	
CBR per 1000	16,5	16,3	16,1	15,9	15,5	15,3	15,0	14,8	14,5	14,3	14,0	13,8	13,5	13,2	13,0	12,7	
CDR per 1000	8,3	8,2	8,3	8,4	8,4	8,4	8,5	8,5	8,5	8,6	8,7	8,8	8,9	9,0	9,2	9,3	
RNI percent	0,83	0,81	0,78	0,75	0,71	0,68	0,66	0,63	0,60	0,57	0,54	0,50	0,46	0,42	0,38	0,34	
GR percent	0,40	0,39	0,36	0,33	0,29	0,27	0,24	0,21	0,19	0,16	0,12	0,09	0,04	0,00	-0,03	-0,07	
Doubling time	172,8	177,3	193,8	211,1	235,9	258,9	287,9	323,7	371,7	443,0	561,5	793,1	1610,9	14768,0	0,0	0,0	
Annual Births&Deaths																	
Births	20.400	20.212	20.003	19.774	19.432	19.174	18.909	18.639	18.363	18.077	17.778	17.464	17.058	16.742	16.421	16.094	
Deaths	10.211	10.132	10.320	10.443	10.523	10.582	10.649	10.709	10.777	10.868	10.985	11.126	11.284	11.453	11.628	11.805	
Population																	
Total population	1.233.681	1.238.571	1.243.063	1.247.203	1.250.922	1.254.323	1.257.391	1.260.131	1.262.526	1.264.544	1.266.147	1.267.293	1.267.877	1.267.975	1.267.578	1.266.677	
Male population	607.503	610.224	612.716	615.004	617.054	618.922	620.602	622.096	623.398	624.494	625.364	625.990	626.319	626.391	626.203	625.748	
Female population	626.178	628.347	630.347	632.200	633.868	635.400	636.790	638.035	639.128	640.051	640.783	641.303	641.558	641.584	641.376	640.929	
Percent 0-4	7,51	7,61	7,68	7,74	7,76	7,76	7,65	7,53	7,41	7,29	7,18	7,06	6,94	6,82	6,70	6,57	
Percent 5-14	17,55	17,08	16,63	16,20	15,82	15,50	15,33	15,20	15,10	15,02	14,96	14,97	14,97	14,94	14,89	14,82	
Percent 15-49	52,82	52,67	52,51	52,32	52,10	51,85	51,56	51,23	50,87	50,48	50,08	49,60	49,14	48,71	48,29	47,90	
Percent 15-64	66,69	66,98	67,27	67,54	67,77	67,94	68,04	68,08	68,06	67,98	67,87	67,65	67,45	67,24	67,03	66,82	
Percent 65 and over	8,25	8,34	8,43	8,53	8,65	8,80	8,98	9,19	9,43	9,70	9,99	10,31	10,65	11,00	11,38	11,79	
Percent females 15-49	52,78	52,64	52,50	52,33	52,12	51,88	51,58	51,24	50,87	50,47	50,06	49,57	49,09	48,63	48,20	47,79	
Sex ratio	97,02	97,12	97,20	97,28	97,35	97,41	97,46	97,50	97,54	97,57	97,59	97,61	97,62	97,63	97,63	97,63	
Dependency ratio	0,50	0,49	0,49	0,48	0,48	0,47	0,47	0,47	0,47	0,47	0,47	0,47	0,48	0,49	0,49	0,50	
Median age	30	31	31	31	32	32	33	33	33	34	34	35	35	35	36	37	
Urban population	715.852	730.757	745.465	760.046	774.446	788.718	802.844	816.817	830.616	844.210	857.688	870.757	883.457	895.825	907.840	919.481	
Rural population	517.829	507.814	497.598	487.158	476.476	465.605	454.547	443.314	431.910	420.335	408.459	396.536	384.420	372.151	359.739	347.196	
Percent urban	58,03	59,00	59,97	60,94	61,91	62,88	63,85	64,82	65,79	66,76	67,74	68,71	69,68	70,65	71,62	72,59	
Percent rural	41,97	41,00	40,03	39,06	38,09	37,12	36,15	35,18	34,21	33,24	32,26	31,29	30,32	29,35	28,38	27,41	

Table D.55.b Age groups and sex distribution for every five years from the population projection of 55-Samsun province

Population by Age and Sex - Total							
55-Samsun							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	92.660	47.582	45.078	0-4	97.366	50.016	47.350
5-9	102.834	52.599	50.235	5-9	93.042	47.699	45.342
10-14	113.686	57.646	56.040	10-14	101.374	51.517	49.857
15-19	110.275	56.091	54.184	15-19	107.619	54.367	53.253
20-24	96.606	45.527	51.079	20-24	96.789	48.812	47.977
25-29	98.843	48.618	50.225	25-29	85.403	39.450	45.953
30-34	90.776	44.767	46.009	30-34	97.335	47.813	49.521
35-39	88.736	43.430	45.306	35-39	92.031	45.802	46.228
40-44	85.890	42.537	43.353	40-44	87.506	43.164	44.342
45-49	80.456	40.134	40.322	45-49	83.724	41.375	42.349
50-54	69.390	34.776	34.614	50-54	79.185	39.275	39.910
55-59	57.080	28.371	28.709	55-59	68.143	33.979	34.165
60-64	44.716	21.292	23.424	60-64	54.433	26.889	27.544
65-69	36.720	17.012	19.708	65-69	40.615	19.036	21.579
70-74	25.786	11.722	14.064	70-74	30.925	13.975	16.950
75-79	24.854	10.989	13.865	75-79	19.137	8.430	10.707
80+	14.373	4.410	9.963	80+	19.695	7.323	12.372
TOTAL	1.233.681	607.503	626.178	TOTAL	1.254.323	618.922	635.400
2018	Total	Male	Female	2023	Total	Male	Female
0-4	90.907	46.700	44.206	0-4	83.273	42.783	40.490
5-9	97.786	50.149	47.636	5-9	91.390	46.860	44.530
10-14	91.620	46.636	44.983	10-14	96.375	49.089	47.285
15-19	95.365	48.268	47.097	15-19	85.658	43.412	42.246
20-24	94.187	47.115	47.072	20-24	82.011	41.058	40.953
25-29	85.631	42.740	42.891	25-29	83.085	41.071	42.014
30-34	84.017	38.715	45.302	30-34	84.292	42.010	42.282
35-39	98.612	48.857	49.754	35-39	85.431	39.837	45.594
40-44	90.851	45.553	45.299	40-44	97.456	48.618	48.838
45-49	85.415	42.044	43.372	45-49	88.817	44.452	44.365
50-54	82.500	40.551	41.950	50-54	84.285	41.275	43.010
55-59	77.719	38.366	39.354	55-59	81.082	39.680	41.402
60-64	64.997	32.197	32.800	60-64	74.222	36.400	37.822
65-69	49.556	24.113	25.443	65-69	59.348	28.973	30.375
70-74	34.387	15.744	18.642	70-74	42.169	20.082	22.087
75-79	23.177	10.166	13.011	75-79	25.972	11.569	14.403
80+	19.421	7.449	11.972	80+	21.810	8.580	13.231
TOTAL	1.266.147	625.364	640.783	TOTAL	1.266.677	625.748	640.929

Table D.56.a Summary table for annual results of the population projection of 56-Siirt province

56-Siirt	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	5,10	5,02	4,94	4,86	4,78	4,70	4,63	4,55	4,47	4,39	4,31	4,23	4,15	4,07	3,99	3,91
GRR	2,49	2,45	2,41	2,37	2,33	2,29	2,26	2,22	2,18	2,14	2,10	2,06	2,02	1,99	1,95	1,91
NRR	2,36	2,33	2,29	2,26	2,22	2,19	2,16	2,12	2,09	2,05	2,02	1,98	1,95	1,91	1,87	1,84
Mean A. Childb.	29,4	29,3	29,3	29,2	29,2	29,1	29,1	29,0	29,0	28,9	28,9	28,8	28,8	28,7	28,7	28,6
Child-woman ratio	0,68	0,68	0,68	0,68	0,69	0,70	0,69	0,68	0,68	0,67	0,67	0,66	0,65	0,64	0,64	0,63
Fertility table: Custom																
Mortality																
Male LE	69,2	69,4	69,5	69,6	69,7	69,8	69,9	70,0	70,2	70,3	70,4	70,5	70,6	70,7	70,8	70,9
Female LE	72,6	72,6	72,7	72,9	73,0	73,1	73,2	73,3	73,4	73,6	73,7	73,8	73,9	74,0	74,2	74,3
Total LE	70,9	70,9	71,0	71,2	71,3	71,4	71,5	71,6	71,7	71,9	72,0	72,1	72,2	72,3	72,4	72,5
IMR	31,7	31,2	30,7	30,2	29,7	29,3	28,8	28,3	27,8	27,3	26,9	26,5	26,0	25,6	25,2	24,8
U5MR	36,2	35,6	35,0	34,4	33,8	33,2	32,7	32,0	31,4	30,8	30,3	29,8	29,3	28,8	28,3	27,8
Life table: Coale-Demeny East																
Immigration																
Male immigration	-270	-270	-270	-270	-270	-270	-270	-270	-270	-270	-270	-270	-270	-270	-270	-270
Female immigration	-485	-485	-485	-485	-485	-485	-485	-485	-485	-485	-485	-485	-485	-485	-485	-485
Total immigration	-755	-755	-755	-755	-755	-755	-755	-755	-755	-755	-755	-755	-755	-755	-755	-755
Vital Rates																
CBR per 1000	35,5	35,4	35,2	35,1	34,9	34,6	34,4	34,2	33,8	33,5	33,1	32,7	32,2	31,6	31,1	30,4
CDR per 1000	5,4	5,2	5,1	5,0	5,0	4,9	4,8	4,7	4,6	4,5	4,5	4,4	4,4	4,4	4,3	4,3
RNI percent	3,01	3,02	3,01	3,00	2,99	2,98	2,97	2,95	2,92	2,89	2,86	2,82	2,78	2,73	2,67	2,61
GR percent	2,76	2,77	2,77	2,77	2,77	2,76	2,75	2,74	2,72	2,70	2,67	2,64	2,60	2,55	2,50	2,44
Doubling time	25,4	25,3	25,4	25,4	25,4	25,5	25,5	25,6	25,8	26,0	26,3	26,6	27,0	27,5	28,1	28,7
Annual Births&Deaths																
Births	10.644	10.905	11.170	11.433	11.692	11.945	12.219	12.458	12.686	12.901	13.097	13.275	13.429	13.554	13.643	13.692
Deaths	1.605	1.599	1.626	1.645	1.661	1.677	1.696	1.713	1.731	1.751	1.777	1.806	1.835	1.866	1.898	1.929
Population																
Total population	299.819	308.368	317.155	326.185	335.459	344.970	354.735	364.723	374.921	385.313	395.875	406.587	417.424	428.354	439.342	450.348
Male population	155.746	160.256	164.883	169.629	174.496	179.481	184.593	189.816	195.144	200.571	206.083	211.672	217.323	223.021	228.747	234.480
Female population	144.073	148.112	152.272	156.556	160.963	165.489	170.143	174.908	179.777	184.742	189.792	194.915	200.101	205.333	210.595	215.868
Percent 0-4	14,93	15,01	15,16	15,37	15,65	15,97	15,90	15,81	15,71	15,60	15,48	15,33	15,17	14,98	14,78	14,55
Percent 5-14	27,63	27,13	26,54	25,89	25,22	24,56	24,36	24,24	24,18	24,16	24,18	24,23	24,34	24,49	24,69	24,91
Percent 15-49	47,44	47,91	48,40	48,89	49,32	49,68	49,95	50,14	50,27	50,35	50,40	50,42	50,40	50,34	50,26	50,16
Percent 15-64	53,65	54,12	54,63	55,12	55,57	55,94	56,23	56,44	56,60	56,72	56,83	56,91	56,96	56,98	56,98	56,96
Percent 65 and over	3,79	3,73	3,67	3,61	3,57	3,53	3,51	3,50	3,50	3,51	3,52	3,53	3,54	3,55	3,56	3,57
Percent females 15-49	45,69	46,17	46,66	47,13	47,55	47,89	48,14	48,31	48,41	48,46	48,49	48,52	48,52	48,49	48,44	48,38
Sex ratio	108,10	108,20	108,28	108,35	108,41	108,45	108,49	108,52	108,55	108,57	108,58	108,60	108,61	108,61	108,62	108,62
Dependency ratio	0,86	0,85	0,83	0,81	0,80	0,79	0,78	0,77	0,77	0,76	0,76	0,76	0,76	0,76	0,76	0,76
Median age	18	19	19	19	19	19	19	20	20	20	20	20	20	21	21	21
Urban population	150.467	158.501	166.855	175.586	184.636	194.045	203.866	214.020	224.578	235.465	246.709	258.346	270.282	282.585	295.150	307.993
Rural population	149.352	149.867	150.300	150.600	150.822	150.924	150.869	150.704	150.343	149.848	149.166	148.242	147.142	145.769	144.192	142.355
Percent urban	50,19	51,40	52,61	53,83	55,04	56,25	57,47	58,68	59,90	61,11	62,32	63,54	64,75	65,97	67,18	68,39
Percent rural	49,81	48,60	47,39	46,17	44,96	43,75	42,53	41,32	40,10	38,89	37,68	36,46	35,25	34,03	32,82	31,61

Table D.56.b Age groups and sex distribution for every five years from the population projection of 56-Siirt province

Population by Age and Sex - Total							
56-Siirt							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	44.773	22.997	21.776	0-4	55.089	28.057	27.033
5-9	42.884	22.207	20.677	5-9	43.583	22.312	21.271
10-14	39.960	20.596	19.364	10-14	41.133	21.385	19.747
15-19	32.758	17.042	15.716	15-19	38.397	19.788	18.609
20-24	31.503	19.079	12.424	20-24	33.195	17.308	15.887
25-29	24.589	12.425	12.164	25-29	32.839	19.886	12.953
30-34	17.839	9.228	8.611	30-34	24.641	12.813	11.828
35-39	14.862	7.966	6.896	35-39	17.157	9.146	8.012
40-44	11.654	6.040	5.614	40-44	14.062	7.509	6.552
45-49	9.030	4.633	4.397	45-49	11.091	5.673	5.418
50-54	7.578	3.747	3.831	50-54	8.529	4.311	4.218
55-59	6.302	2.859	3.443	55-59	7.240	3.540	3.700
60-64	4.731	2.060	2.671	60-64	5.828	2.611	3.217
65-69	4.006	1.731	2.275	65-69	4.291	1.836	2.455
70-74	2.777	1.358	1.419	70-74	3.511	1.479	2.032
75-79	2.557	1.175	1.382	75-79	2.094	977	1.117
80+	2.016	603	1.413	80+	2.292	850	1.441
TOTAL	299.819	155.746	144.073	TOTAL	344.970	179.481	165.489
2018	Total	Male	Female	2023	Total	Male	Female
0-4	61.271	31.226	30.045	0-4	65.535	33.405	32.130
5-9	53.883	27.366	26.518	5-9	60.073	30.539	29.534
10-14	41.838	21.494	20.343	10-14	52.131	26.544	25.588
15-19	39.574	20.579	18.995	15-19	40.286	20.692	19.594
20-24	38.824	20.047	18.777	20-24	40.007	20.841	19.167
25-29	34.542	18.133	16.409	25-29	40.159	20.864	19.295
30-34	32.852	20.234	12.618	30-34	34.565	18.499	16.066
35-39	23.925	12.710	11.215	35-39	32.093	20.087	12.006
40-44	16.346	8.683	7.663	40-44	23.068	12.220	10.847
45-49	13.472	7.123	6.349	45-49	15.738	8.285	7.453
50-54	10.551	5.327	5.224	50-54	12.886	6.743	6.143
55-59	8.162	4.082	4.080	55-59	10.123	5.058	5.065
60-64	6.712	3.244	3.468	60-64	7.592	3.753	3.839
65-69	5.294	2.328	2.966	65-69	6.100	2.895	3.206
70-74	3.765	1.571	2.194	70-74	4.629	1.983	2.646
75-79	2.660	1.070	1.590	75-79	2.866	1.144	1.722
80+	2.205	866	1.338	80+	2.498	931	1.567
TOTAL	395.875	206.083	189.792	TOTAL	450.348	234.480	215.868

Table D.57.a Summary table for annual results of the population projection of 57-Sinop province

57-Sinop	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	2,00	1,99	1,99	1,98	1,97	1,97	1,96	1,95	1,95	1,94	1,93	1,93	1,92	1,91	1,91	1,90
GRR	0,98	0,97	0,97	0,97	0,96	0,96	0,96	0,95	0,95	0,95	0,94	0,94	0,94	0,93	0,93	0,93
NRR	0,94	0,93	0,93	0,93	0,93	0,93	0,92	0,92	0,92	0,92	0,91	0,91	0,91	0,90	0,91	0,90
Mean A. Childb.	27,5	27,6	27,6	27,7	27,8	27,9	27,9	28,0	28,1	28,2	28,2	28,3	28,4	28,5	28,5	28,6
Child-woman ratio	0,26	0,27	0,28	0,28	0,29	0,29	0,29	0,29	0,29	0,29	0,29	0,29	0,28	0,28	0,27	0,27
Fertility table: Custom																
Mortality																
Male LE	70,7	70,7	70,9	71,0	71,2	71,3	71,4	71,6	71,7	71,8	72,0	72,1	72,2	72,4	72,5	72,6
Female LE	72,9	73,0	73,1	73,2	73,4	73,5	73,7	73,8	74,0	74,1	74,3	74,4	74,6	74,7	74,9	75,0
Total LE	71,8	71,9	72,0	72,1	72,3	72,4	72,5	72,7	72,8	73,0	73,1	73,2	73,4	73,5	73,7	73,8
IMR	22,7	22,2	21,7	21,2	20,8	20,3	19,9	19,5	19,1	18,7	18,3	17,9	17,4	17,0	16,6	16,2
U5MR	26,9	26,3	25,6	25,0	24,4	23,9	23,4	22,8	22,3	21,8	21,3	20,7	20,2	19,7	19,2	18,7
Life table: Coale-Demeny West																
Immigration																
Male immigration	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634
Female immigration	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193	193
Total immigration	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827	827
Vital Rates																
CBR per 1000	13,7	13,6	13,6	13,4	13,2	13,1	12,8	12,4	12,2	11,8	11,4	11,1	10,7	10,2	9,9	9,5
CDR per 1000	13,8	13,7	13,8	13,8	13,8	13,7	13,7	13,7	13,6	13,7	13,7	13,8	13,9	14,1	14,3	14,4
RNI percent	-0,01	-0,01	-0,02	-0,04	-0,05	-0,07	-0,09	-0,12	-0,15	-0,19	-0,23	-0,28	-0,33	-0,38	-0,44	-0,50
GR percent	0,40	0,40	0,39	0,37	0,35	0,34	0,31	0,28	0,25	0,21	0,17	0,12	0,07	0,01	-0,04	-0,10
Doubling time	172,3	171,6	178,1	187,0	196,8	205,7	223,5	247,5	275,2	326,4	414,3	564,2	1002,3	5317,6	0,0	0,0
Annual Births&Deaths																
Births	2.759	2.750	2.750	2.730	2.700	2.673	2.622	2.564	2.513	2.443	2.368	2.299	2.216	2.130	2.055	1.968
Deaths	2.777	2.761	2.788	2.802	2.807	2.809	2.811	2.813	2.819	2.830	2.847	2.871	2.899	2.930	2.963	2.997
Population																
Total population	200.793	201.642	202.463	203.250	204.002	204.724	205.394	206.003	206.555	207.026	207.404	207.689	207.863	207.921	207.869	207.696
Male population	98.962	99.635	100.293	100.934	101.558	102.170	102.756	103.312	103.841	104.329	104.768	105.160	105.492	105.763	105.976	106.124
Female population	101.831	102.006	102.170	102.316	102.444	102.555	102.638	102.690	102.714	102.697	102.636	102.530	102.371	102.157	101.893	101.572
Percent 0-4	6,29	6,40	6,49	6,57	6,62	6,65	6,57	6,46	6,34	6,21	6,06	5,90	5,73	5,55	5,38	5,19
Percent 5-14	14,70	14,21	13,81	13,48	13,21	12,99	12,89	12,84	12,81	12,81	12,84	12,89	12,91	12,91	12,87	12,79
Percent 15-49	47,50	47,33	47,05	46,71	46,32	45,91	45,48	45,04	44,58	44,10	43,61	43,09	42,60	42,14	41,71	41,32
Percent 15-64	64,03	64,39	64,67	64,87	65,00	65,05	65,03	64,93	64,77	64,55	64,30	64,01	63,74	63,49	63,24	63,01
Percent 65 and over	14,98	15,01	15,03	15,08	15,17	15,31	15,51	15,77	16,08	16,42	16,80	17,19	17,61	18,05	18,51	19,01
Percent females 15-49	47,04	46,82	46,49	46,07	45,61	45,12	44,62	44,12	43,60	43,05	42,47	41,83	41,21	40,62	40,08	39,57
Sex ratio	97,18	97,68	98,16	98,65	99,14	99,62	100,11	100,61	101,10	101,59	102,08	102,56	103,05	103,53	104,01	104,48
Dependency ratio	0,56	0,55	0,55	0,54	0,54	0,54	0,54	0,54	0,54	0,55	0,56	0,56	0,57	0,58	0,58	0,59
Median age	35	35	36	36	37	37	38	38	39	39	40	41	41	42	42	43
Urban population	61.086	62.811	64.545	66.280	68.014	69.750	71.477	73.193	74.897	76.579	78.233	79.857	81.441	82.981	84.478	85.924
Rural population	139.707	138.830	137.918	136.970	135.988	134.975	133.917	132.810	131.658	130.447	129.171	127.833	126.423	124.939	123.391	121.772
Percent urban	30,42	31,15	31,88	32,61	33,34	34,07	34,80	35,53	36,26	36,99	37,72	38,45	39,18	39,91	40,64	41,37
Percent rural	69,58	68,85	68,12	67,39	66,66	65,93	65,20	64,47	63,74	63,01	62,28	61,55	60,82	60,09	59,36	58,63

Table D.57.b Age groups and sex distribution for every five years from the population projection of 58-Sinop province

Population by Age and Sex - Total							
57-Sinop							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	12.636	6.585	6.051	0-4	13.606	7.022	6.584
5-9	13.852	7.081	6.771	5-9	12.904	6.810	6.094
10-14	15.658	7.950	7.708	10-14	13.692	7.069	6.623
15-19	17.286	8.665	8.621	15-19	14.183	7.275	6.908
20-24	14.985	7.501	7.484	20-24	14.655	7.617	7.038
25-29	13.908	7.000	6.908	25-29	13.425	6.884	6.541
30-34	12.301	6.231	6.070	30-34	13.953	6.937	7.016
35-39	12.274	5.970	6.304	35-39	12.708	6.525	6.184
40-44	12.231	6.071	6.160	40-44	12.426	6.200	6.226
45-49	12.396	6.039	6.357	45-49	12.640	6.283	6.357
50-54	11.682	5.826	5.856	50-54	13.394	6.490	6.904
55-59	11.333	5.650	5.683	55-59	13.217	6.637	6.581
60-64	10.166	4.757	5.409	60-64	12.569	6.306	6.263
65-69	9.548	4.341	5.207	65-69	10.389	4.866	5.523
70-74	7.662	3.439	4.223	70-74	8.602	3.857	4.745
75-79	7.323	3.500	3.823	75-79	5.888	2.560	3.328
80+	5.552	2.356	3.196	80+	6.472	2.833	3.638
TOTAL	200.793	98.962	101.831	TOTAL	204.724	102.170	102.555
2018	Total	Male	Female	2023	Total	Male	Female
0-4	12.565	6.488	6.078	0-4	10.786	5.576	5.211
5-9	13.878	7.248	6.630	5-9	12.847	6.718	6.129
10-14	12.749	6.800	5.949	10-14	13.724	7.239	6.485
15-19	12.226	6.399	5.827	15-19	11.287	6.131	5.156
20-24	11.569	6.236	5.333	20-24	9.623	5.365	4.258
25-29	13.104	7.003	6.101	25-29	10.036	5.631	4.405
30-34	13.480	6.825	6.655	30-34	13.167	6.947	6.221
35-39	14.359	7.230	7.129	35-39	13.898	7.123	6.775
40-44	12.868	6.755	6.113	40-44	14.516	7.460	7.056
45-49	12.847	6.417	6.429	45-49	13.297	6.973	6.325
50-54	13.651	6.738	6.913	50-54	13.873	6.881	6.993
55-59	14.893	7.287	7.606	55-59	15.168	7.541	7.628
60-64	14.373	7.242	7.131	60-64	15.996	7.872	8.125
65-69	12.594	6.267	6.326	65-69	14.278	7.130	7.148
70-74	9.357	4.317	5.040	70-74	11.274	5.513	5.761
75-79	6.647	2.894	3.753	75-79	7.268	3.262	4.006
80+	6.244	2.622	3.621	80+	6.656	2.764	3.892
TOTAL	207.404	104.768	102.636	TOTAL	207.696	106.124	101.572

Table D.58.a Summary table for annual results of the population projection of 58-Sivas province

58-Sivas	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	2,41	2,38	2,36	2,33	2,30	2,28	2,25	2,23	2,20	2,17	2,15	2,12	2,10	2,07	2,04	2,02
GRR	1,18	1,16	1,15	1,14	1,12	1,11	1,10	1,09	1,07	1,06	1,05	1,03	1,02	1,01	1,00	0,99
NRR	1,14	1,13	1,12	1,11	1,09	1,08	1,07	1,06	1,05	1,04	1,03	1,01	1,00	0,99	0,98	0,97
Mean A. Childb.	27,0	27,2	27,3	27,4	27,5	27,6	27,7	27,8	27,9	28,0	28,1	28,2	28,3	28,4	28,5	28,6
Child-woman ratio	0,32	0,33	0,33	0,34	0,34	0,34	0,33	0,32	0,31	0,31	0,30	0,29	0,28	0,27	0,26	0,25
Fertility table: Custom																
Mortality																
Male LE	71,9	71,8	72,0	72,1	72,3	72,4	72,6	72,7	72,9	73,1	73,2	73,4	73,5	73,7	73,9	74,0
Female LE	74,1	74,2	74,5	74,8	75,0	75,2	75,5	75,7	75,9	76,1	76,4	76,6	76,8	77,1	77,3	77,6
Total LE	73,0	73,0	73,2	73,4	73,6	73,8	74,0	74,2	74,4	74,6	74,8	74,9	75,1	75,3	75,5	75,7
IMR	19,1	18,5	17,9	17,3	16,7	16,2	15,8	15,3	14,8	14,3	13,9	13,4	12,9	12,4	12,0	11,5
U5MR	22,3	21,5	20,8	20,0	19,3	18,7	18,1	17,6	17,0	16,4	15,9	15,3	14,7	14,2	13,6	13,0
Life table: Coale-Demeny West																
Immigration																
Male immigration	-5.262	-5.262	-5.262	-5.262	-5.262	-5.262	-5.262	-5.262	-5.262	-5.262	-5.262	-5.262	-5.262	-5.262	-5.262	-5.262
Female immigration	-6.295	-6.295	-6.295	-6.295	-6.295	-6.295	-6.295	-6.295	-6.295	-6.295	-6.295	-6.295	-6.295	-6.295	-6.295	-6.295
Total immigration	-11.557	-11.557	-11.557	-11.557	-11.557	-11.557	-11.557	-11.557	-11.557	-11.557	-11.557	-11.557	-11.557	-11.557	-11.557	-11.557
Vital Rates																
CBR per 1000	19,5	18,8	18,2	17,5	16,8	16,2	15,4	14,8	14,1	13,4	12,8	12,1	11,4	10,8	10,1	9,5
CDR per 1000	8,4	8,3	8,5	8,7	8,8	8,9	9,0	9,1	9,3	9,5	9,7	10,0	10,3	10,7	11,1	11,5
RNI percent	1,12	1,05	0,97	0,88	0,80	0,73	0,64	0,57	0,48	0,39	0,31	0,21	0,11	0,01	-0,10	-0,20
GR percent	-0,71	-0,80	-0,90	-1,00	-1,10	-1,20	-1,31	-1,41	-1,53	-1,65	-1,77	-1,91	-2,05	-2,21	-2,37	-2,53
Doubling time	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
Annual Births&Deaths																
Births	12.338	11.794	11.294	10.743	10.195	9.691	9.145	8.642	8.105	7.577	7.090	6.576	6.104	5.616	5.144	4.710
Deaths	5.291	5.225	5.303	5.336	5.343	5.338	5.339	5.336	5.338	5.355	5.392	5.445	5.508	5.579	5.651	5.725
Population																
Total population	631.114	626.021	620.350	614.095	607.284	599.974	592.117	583.761	574.866	565.424	555.460	544.928	533.861	522.236	510.066	497.388
Male population	316.849	314.946	312.723	310.183	307.344	304.239	300.843	297.182	293.238	289.006	284.498	279.690	274.599	269.212	263.537	257.592
Female population	314.265	311.075	307.627	303.912	299.940	295.736	291.275	286.579	281.628	276.418	270.962	265.238	259.262	253.024	246.529	239.796
Percent 0-4	8,27	8,36	8,41	8,41	8,37	8,29	7,96	7,64	7,31	6,98	6,65	6,31	5,98	5,65	5,31	4,98
Percent 5-14	17,89	17,38	16,87	16,37	15,91	15,48	15,30	15,13	14,96	14,78	14,60	14,43	14,22	13,96	13,63	13,25
Percent 15-49	52,17	51,82	51,47	51,10	50,70	50,26	49,77	49,22	48,62	47,95	47,24	46,42	45,58	44,72	43,84	42,93
Percent 15-64	64,91	65,11	65,31	65,53	65,72	65,86	65,96	66,01	66,02	65,97	65,88	65,70	65,51	65,30	65,09	64,87
Percent 65 and over	8,93	9,16	9,41	9,69	10,01	10,37	10,77	11,22	11,71	12,27	12,88	13,55	14,29	15,09	15,96	16,91
Percent females 15-49	51,47	51,09	50,69	50,27	49,81	49,31	48,75	48,14	47,47	46,74	45,92	44,97	43,98	42,93	41,85	40,72
Sex ratio	100,82	101,24	101,66	102,06	102,47	102,88	103,28	103,70	104,12	104,55	105,00	105,45	105,92	106,40	106,90	107,42
Dependency ratio	0,54	0,54	0,53	0,53	0,52	0,52	0,52	0,51	0,51	0,52	0,52	0,52	0,53	0,53	0,54	0,54
Median age	28	29	29	30	31	32	32	33	34	35	36	37	38	40	41	42
Urban population	309.455	313.199	316.564	319.575	322.103	324.226	325.901	327.140	327.903	328.172	327.944	327.175	325.869	323.995	321.546	318.577
Rural population	321.659	312.823	303.785	294.520	285.181	275.748	266.216	256.621	246.962	237.252	227.516	217.753	207.992	198.241	188.520	178.811
Percent urban	49,03	50,03	51,03	52,04	53,04	54,04	55,04	56,04	57,04	58,04	59,04	60,04	61,04	62,04	63,04	64,05
Percent rural	50,97	49,97	48,97	47,96	46,96	45,96	44,96	43,96	42,96	41,96	40,96	39,96	38,96	37,96	36,96	35,95

Table D.58.b Age groups and sex distribution for every five years from the population projection of 58-Sivas province

Population by Age and Sex - Total							
58-Sivas							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	52.191	26.784	25.407	0-4	49.728	25.503	24.225
5-9	54.857	28.004	26.853	5-9	45.446	23.449	21.997
10-14	58.045	29.598	28.447	10-14	47.453	24.295	23.158
15-19	57.518	29.236	28.282	15-19	52.173	26.626	25.547
20-24	58.729	30.379	28.350	20-24	45.975	24.401	21.573
25-29	52.976	27.431	25.545	25-29	44.500	24.213	20.287
30-34	45.981	23.397	22.584	30-34	44.394	23.135	21.259
35-39	41.836	20.828	21.008	35-39	40.512	20.387	20.125
40-44	37.657	18.982	18.675	40-44	38.199	18.843	19.356
45-49	34.551	17.232	17.319	45-49	35.810	18.134	17.676
50-54	30.937	15.543	15.394	50-54	34.505	17.146	17.359
55-59	26.497	12.977	13.520	55-59	31.787	16.073	15.714
60-64	22.992	10.680	12.312	60-64	27.302	13.559	13.743
65-69	19.606	9.101	10.505	65-69	22.558	10.571	11.988
70-74	13.581	6.291	7.290	70-74	17.183	7.907	9.276
75-79	14.629	7.359	7.270	75-79	10.528	4.819	5.710
80+	8.531	3.027	5.504	80+	11.921	5.178	6.743
TOTAL	631.114	316.849	314.265	TOTAL	599.974	304.239	295.736
2018	Total	Male	Female	2023	Total	Male	Female
0-4	36.916	18.941	17.975	0-4	24.770	12.726	12.043
5-9	43.016	22.182	20.834	5-9	30.247	15.644	14.603
10-14	38.065	19.752	18.313	10-14	35.645	18.491	17.154
15-19	41.615	21.342	20.273	15-19	32.252	16.813	15.438
20-24	40.668	21.811	18.856	20-24	30.152	16.554	13.599
25-29	31.816	18.273	13.543	25-29	26.543	15.703	10.840
30-34	35.979	19.944	16.035	30-34	23.357	14.036	9.321
35-39	38.967	20.141	18.826	35-39	30.615	16.977	13.637
40-44	36.927	18.424	18.504	40-44	35.429	18.195	17.234
45-49	36.401	18.020	18.381	45-49	35.196	17.630	17.566
50-54	35.810	18.060	17.750	50-54	36.468	17.982	18.486
55-59	35.332	17.655	17.676	55-59	36.699	18.583	18.116
60-64	32.416	16.507	15.909	60-64	35.923	18.051	17.872
65-69	26.611	13.212	13.399	65-69	31.458	15.936	15.521
70-74	19.858	9.194	10.665	70-74	23.514	11.488	12.026
75-79	13.444	6.082	7.362	75-79	15.683	7.107	8.576
80+	11.621	4.959	6.662	80+	13.437	5.675	7.762
TOTAL	555.460	284.498	270.962	TOTAL	497.388	257.592	239.796

Table D.59.a Summary table for annual results of the population projection of 59-Tekirdağ province

59-Tekirdağ	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	1,68	1,66	1,64	1,62	1,60	1,58	1,57	1,55	1,53	1,51	1,49	1,47	1,46	1,44	1,42	1,40
GRR	0,82	0,81	0,80	0,79	0,78	0,77	0,77	0,76	0,75	0,74	0,73	0,72	0,71	0,70	0,69	0,68
NRR	0,80	0,79	0,78	0,78	0,77	0,76	0,75	0,74	0,74	0,73	0,72	0,71	0,70	0,70	0,69	0,68
Mean A. Childb.	27,4	27,5	27,6	27,7	27,7	27,8	27,9	28,0	28,1	28,1	28,2	28,3	28,4	28,4	28,5	28,6
Child-woman ratio	0,26	0,26	0,25	0,25	0,25	0,25	0,25	0,24	0,24	0,24	0,23	0,23	0,23	0,23	0,22	0,22
Fertility table: Custom																
Mortality																
Male LE	73,6	73,7	74,0	74,4	74,7	75,1	75,4	75,8	76,1	76,5	76,9	77,2	77,6	78,0	78,4	78,8
Female LE	76,4	76,5	76,8	77,0	77,2	77,5	77,7	77,9	78,2	78,4	78,7	78,9	79,2	79,4	79,7	80,0
Total LE	75,0	75,1	75,4	75,6	75,9	76,2	76,5	76,8	77,1	77,4	77,7	78,1	78,4	78,7	79,0	79,4
IMR	13,7	13,0	12,3	11,6	10,9	10,3	9,6	8,9	8,2	7,5	6,8	6,1	5,4	4,7	4,0	3,3
U5MR	15,7	14,9	14,0	13,2	12,4	11,6	10,7	9,9	9,1	8,3	7,4	6,6	5,8	4,9	4,1	3,3
Life table: Coale-Demeny West																
Immigration																
Male immigration	12.995	12.995	12.995	12.995	12.995	12.995	12.995	12.995	12.995	12.995	12.995	12.995	12.995	12.995	12.995	12.995
Female immigration	12.166	12.166	12.166	12.166	12.166	12.166	12.166	12.166	12.166	12.166	12.166	12.166	12.166	12.166	12.166	12.166
Total immigration	25.161	25.161	25.161	25.161	25.161	25.161	25.161	25.161	25.161	25.161	25.161	25.161	25.161	25.161	25.161	25.161
Vital Rates																
CBR per 1000	14,3	14,1	13,9	13,7	13,5	13,3	13,2	13,0	12,7	12,5	12,3	12,0	11,9	11,6	11,4	11,1
CDR per 1000	6,3	5,9	5,8	5,7	5,6	5,5	5,4	5,4	5,3	5,2	5,2	5,1	5,1	5,0	5,0	5,0
RNI percent	0,80	0,82	0,81	0,80	0,79	0,78	0,77	0,76	0,75	0,73	0,71	0,69	0,68	0,66	0,64	0,62
GR percent	4,07	3,96	3,83	3,70	3,59	3,48	3,38	3,28	3,19	3,09	3,00	2,92	2,84	2,76	2,68	2,61
Doubling time	17,4	17,9	18,5	19,1	19,7	20,3	20,8	21,5	22,1	22,8	23,4	24,1	24,7	25,4	26,2	26,9
Annual Births&Deaths																
Births	11.019	11.345	11.645	11.923	12.182	12.426	12.734	12.944	13.132	13.300	13.451	13.586	13.799	13.905	13.995	14.070
Deaths	4.836	4.746	4.864	4.971	5.070	5.165	5.259	5.353	5.450	5.550	5.655	5.766	5.884	6.011	6.146	6.293
Population																
Total population	770.772	802.729	834.868	867.176	899.642	932.255	965.080	998.019	1.031.048	1.064.144	1.097.284	1.130.446	1.163.700	1.196.933	1.230.117	1.263.229
Male population	398.898	415.407	432.011	448.704	465.477	482.325	499.280	516.290	533.345	550.431	567.538	584.655	601.818	618.970	636.097	653.186
Female population	371.874	387.323	402.857	418.472	434.165	449.930	465.800	481.729	497.704	513.713	529.746	545.791	561.882	577.963	594.021	610.043
Percent 0-4	7,07	7,00	6,93	6,87	6,81	6,75	6,67	6,59	6,50	6,40	6,31	6,20	6,10	6,00	5,90	5,80
Percent 5-14	14,70	14,54	14,35	14,16	13,97	13,80	13,69	13,59	13,49	13,38	13,25	13,14	13,02	12,91	12,80	12,68
Percent 15-49	57,96	57,86	57,77	57,68	57,56	57,42	57,26	57,08	56,90	56,72	56,55	56,36	56,15	55,93	55,71	55,48
Percent 15-64	71,27	71,56	71,85	72,11	72,32	72,47	72,56	72,61	72,63	72,63	72,63	72,60	72,55	72,48	72,40	72,32
Percent 65 and over	6,96	6,90	6,86	6,86	6,90	6,97	7,08	7,22	7,39	7,59	7,81	8,06	8,33	8,61	8,90	9,20
Percent females 15-49	56,50	56,50	56,49	56,48	56,44	56,36	56,25	56,13	55,99	55,85	55,72	55,57	55,40	55,21	55,02	54,83
Sex ratio	107,27	107,25	107,24	107,22	107,21	107,20	107,19	107,17	107,16	107,15	107,13	107,12	107,11	107,10	107,08	107,07
Dependency ratio	0,40	0,40	0,39	0,39	0,38	0,38	0,38	0,38	0,38	0,38	0,38	0,38	0,38	0,38	0,38	0,38
Median age	31	31	31	32	32	32	32	32	33	33	33	34	34	34	35	35
Urban population	502.156	533.655	566.124	599.565	633.978	669.452	705.860	743.225	781.535	820.774	860.929	901.983	943.994	986.991	1.030.715	1.075.261
Rural population	268.616	269.075	268.744	267.611	265.664	262.803	259.221	254.794	249.514	243.370	236.355	228.463	219.707	209.942	199.402	187.969
Percent urban	65,15	66,48	67,81	69,14	70,47	71,81	73,14	74,47	75,80	77,13	78,46	79,79	81,12	82,46	83,79	85,12
Percent rural	34,85	33,52	32,19	30,86	29,53	28,19	26,86	25,53	24,20	22,87	21,54	20,21	18,88	17,54	16,21	14,88

Table D.59.b Age groups and sex distribution for every five years from the population projection of 59-Tekirdağ province

Population by Age and Sex - Total							
59-Tekirdağ							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	54.500	28.153	26.347	0-4	62.974	32.409	30.564
5-9	55.114	28.598	26.516	5-9	63.312	32.981	30.330
10-14	58.194	29.983	28.211	10-14	65.380	34.121	31.259
15-19	57.526	30.194	27.332	15-19	68.162	35.404	32.758
20-24	72.518	41.189	31.329	20-24	74.956	38.350	36.606
25-29	77.793	41.171	36.622	25-29	92.373	50.618	41.756
30-34	68.680	36.162	32.518	30-34	90.320	47.944	42.376
35-39	62.603	32.537	30.066	35-39	77.581	40.930	36.651
40-44	56.274	29.131	27.143	40-44	69.726	36.400	33.325
45-49	51.344	26.254	25.090	45-49	62.210	32.096	30.114
50-54	44.312	22.412	21.900	50-54	56.393	28.767	27.627
55-59	34.135	17.382	16.753	55-59	47.794	24.185	23.608
60-64	24.118	11.985	12.133	60-64	36.115	18.265	17.850
65-69	17.840	8.353	9.487	65-69	24.336	12.065	12.271
70-74	14.742	6.674	8.068	70-74	16.628	7.699	8.929
75-79	12.184	5.203	6.981	75-79	12.223	5.401	6.822
80+	8.895	3.517	5.378	80+	11.772	4.689	7.082
TOTAL	770.772	398.898	371.874	TOTAL	932.255	482.325	449.930
2018	Total	Male	Female	2023	Total	Male	Female
0-4	69.189	35.621	33.568	0-4	73.214	37.715	35.499
5-9	71.808	37.255	34.553	5-9	78.058	40.491	37.566
10-14	73.587	38.511	35.076	10-14	82.098	42.796	39.302
15-19	75.368	39.556	35.812	15-19	83.601	43.965	39.636
20-24	85.619	43.580	42.038	20-24	92.867	47.762	45.105
25-29	94.875	47.830	47.044	25-29	105.593	53.099	52.494
30-34	104.947	57.420	47.526	30-34	107.533	54.695	52.838
35-39	99.246	52.733	46.513	35-39	113.956	62.264	51.692
40-44	84.743	44.822	39.920	40-44	106.474	56.678	49.796
45-49	75.690	39.391	36.299	45-49	90.786	47.873	42.913
50-54	67.280	34.630	32.650	50-54	80.824	41.978	38.846
55-59	59.783	30.490	29.293	55-59	70.709	36.386	34.323
60-64	49.425	24.869	24.557	60-64	61.286	31.096	30.190
65-69	35.687	17.948	17.739	65-69	48.467	24.253	24.215
70-74	22.535	11.017	11.518	70-74	32.891	16.314	16.577
75-79	13.937	6.310	7.627	75-79	18.936	9.060	9.877
80+	13.566	5.553	8.013	80+	15.935	6.761	9.173
TOTAL	1.097.284	567.538	529.746	TOTAL	1.263.229	653.186	610.043

Table D.60.a Summary table for annual results of the population projection of 60-Tokat province

60-Tokat	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	2,69	2,67	2,64	2,61	2,59	2,56	2,54	2,51	2,48	2,46	2,43	2,41	2,38	2,35	2,33	2,30
GRR	1,31	1,30	1,29	1,27	1,26	1,25	1,24	1,22	1,21	1,20	1,19	1,18	1,16	1,15	1,14	1,12
NRR	1,27	1,26	1,25	1,24	1,23	1,22	1,21	1,20	1,18	1,17	1,16	1,15	1,14	1,13	1,12	1,10
Mean A. Childb.	27,0	27,2	27,3	27,4	27,5	27,6	27,7	27,8	27,9	28,0	28,1	28,2	28,3	28,4	28,5	28,6
Child-woman ratio	0,30	0,32	0,34	0,35	0,37	0,38	0,38	0,37	0,37	0,36	0,36	0,36	0,35	0,35	0,34	0,33
Fertility table: Custom																
Mortality																
Male LE	71,9	71,8	72,0	72,1	72,3	72,4	72,6	72,7	72,9	73,1	73,2	73,4	73,5	73,7	73,9	74,0
Female LE	74,1	74,2	74,5	74,8	75,0	75,2	75,5	75,7	75,9	76,1	76,4	76,6	76,8	77,1	77,3	77,6
Total LE	73,0	73,0	73,2	73,5	73,7	73,8	74,0	74,2	74,4	74,6	74,8	75,0	75,2	75,4	75,6	75,8
IMR	19,1	18,5	17,9	17,3	16,7	16,2	15,8	15,3	14,8	14,3	13,9	13,4	12,9	12,4	12,0	11,5
U5MR	22,3	21,5	20,8	20,0	19,3	18,7	18,1	17,6	17,0	16,4	15,9	15,3	14,7	14,2	13,6	13,0
Life table: Coale-Demeny West																
Immigration																
Male immigration	-3.218	-3.218	-3.218	-3.218	-3.218	-3.218	-3.218	-3.218	-3.218	-3.218	-3.218	-3.218	-3.218	-3.218	-3.218	-3.218
Female immigration	-3.081	-3.081	-3.081	-3.081	-3.081	-3.081	-3.081	-3.081	-3.081	-3.081	-3.081	-3.081	-3.081	-3.081	-3.081	-3.081
Total immigration	-6.299	-6.299	-6.299	-6.299	-6.299	-6.299	-6.299	-6.299	-6.299	-6.299	-6.299	-6.299	-6.299	-6.299	-6.299	-6.299
Vital Rates																
CBR per 1000	20,9	20,5	20,0	19,5	19,1	18,6	18,2	17,7	17,2	16,7	16,2	15,7	15,2	14,6	14,1	13,6
CDR per 1000	8,4	8,2	8,4	8,5	8,6	8,6	8,7	8,8	8,9	9,0	9,1	9,2	9,3	9,5	9,6	9,8
RNI percent	1,25	1,22	1,16	1,10	1,05	1,00	0,94	0,89	0,83	0,77	0,71	0,65	0,58	0,51	0,45	0,37
GR percent	0,23	0,20	0,14	0,09	0,04	-0,02	-0,07	-0,13	-0,19	-0,25	-0,31	-0,38	-0,45	-0,53	-0,60	-0,68
Doubling time	302,2	341,6	486,3	813,7	1928,5	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
Annual Births&Deaths																
Births	12.873	12.649	12.370	12.082	11.830	11.522	11.249	10.923	10.590	10.287	9.931	9.599	9.222	8.843	8.496	8.107
Deaths	5.157	5.094	5.188	5.255	5.309	5.353	5.397	5.437	5.475	5.517	5.564	5.616	5.673	5.734	5.801	5.873
Population																
Total population	617.156	618.389	619.250	619.755	619.955	619.802	619.331	618.496	617.288	615.737	613.781	611.442	608.669	605.456	601.829	597.741
Male population	306.758	307.462	307.957	308.251	308.370	308.293	308.038	307.585	306.930	306.089	305.033	303.773	302.285	300.565	298.630	296.456
Female population	310.398	310.927	311.293	311.504	311.585	311.510	311.293	310.911	310.358	309.648	308.748	307.669	306.385	304.891	303.199	301.285
Percent 0-4	7,62	8,04	8,43	8,79	9,12	9,43	9,22	9,01	8,79	8,57	8,35	8,12	7,88	7,64	7,40	7,15
Percent 5-14	17,67	16,99	16,33	15,71	15,14	14,63	14,68	14,76	14,88	15,05	15,23	15,52	15,77	15,99	16,19	16,36
Percent 15-49	51,03	50,70	50,37	50,01	49,62	49,19	48,71	48,17	47,58	46,92	46,22	45,41	44,61	43,83	43,07	42,33
Percent 15-64	65,50	65,58	65,64	65,68	65,68	65,63	65,53	65,37	65,15	64,85	64,50	64,02	63,54	63,05	62,57	62,11
Percent 65 and over	9,21	9,40	9,60	9,82	10,05	10,30	10,57	10,86	11,18	11,53	11,92	12,35	12,81	13,31	13,83	14,38
Percent females 15-49	50,67	50,35	50,02	49,67	49,30	48,89	48,43	47,93	47,37	46,76	46,10	45,33	44,57	43,81	43,08	42,37
Sex ratio	98,83	98,89	98,93	98,96	98,97	98,97	98,95	98,93	98,90	98,85	98,80	98,73	98,66	98,58	98,49	98,40
Dependency ratio	0,53	0,52	0,52	0,52	0,52	0,52	0,53	0,53	0,54	0,54	0,55	0,56	0,57	0,59	0,60	0,61
Median age	30	30	31	31	32	32	33	33	34	34	35	36	36	37	38	38
Urban population	311.751	317.357	322.753	328.036	333.102	338.040	342.738	347.224	351.546	355.588	359.430	362.952	366.236	369.147	371.810	374.066
Rural population	305.405	301.032	296.497	291.719	286.853	281.762	276.593	271.272	265.743	260.149	254.351	248.490	242.433	236.309	230.019	223.675
Percent urban	50,51	51,32	52,12	52,93	53,73	54,54	55,34	56,14	56,95	57,75	58,56	59,36	60,17	60,97	61,78	62,58
Percent rural	49,49	48,68	47,88	47,07	46,27	45,46	44,66	43,86	43,05	42,25	41,44	40,64	39,83	39,03	38,22	37,42

Table D.60.b Age groups and sex distribution for every five years from the population projection of 60-Tokat province

Population by Age and Sex - Total							
60-Tokat							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	47.000	24.001	22.999	0-4	58.426	29.938	28.488
5-9	52.172	26.816	25.356	5-9	43.532	22.202	21.330
10-14	56.895	29.066	27.829	10-14	47.167	24.140	23.027
15-19	55.852	28.406	27.446	15-19	51.095	25.991	25.103
20-24	51.329	25.689	25.640	20-24	46.177	23.008	23.169
25-29	47.053	23.485	23.568	25-29	43.094	20.886	22.208
30-34	43.199	21.510	21.689	30-34	44.399	22.238	22.161
35-39	41.605	20.716	20.889	35-39	41.441	20.967	20.474
40-44	38.967	19.661	19.306	40-44	40.056	19.938	20.118
45-49	36.945	18.203	18.742	45-49	38.641	19.585	19.056
50-54	34.321	16.870	17.451	50-54	37.370	18.537	18.833
55-59	29.521	14.200	15.321	55-59	35.189	17.408	17.781
60-64	25.460	11.709	13.751	60-64	29.345	14.171	15.174
65-69	20.288	9.865	10.423	65-69	23.860	10.814	13.046
70-74	16.059	7.848	8.211	70-74	17.486	8.336	9.150
75-79	12.975	6.022	6.953	75-79	12.049	5.795	6.254
80+	7.515	2.691	4.824	80+	10.476	4.338	6.137
TOTAL	617.156	306.758	310.398	TOTAL	619.802	308.293	311.510
2018	Total	Male	Female	2023	Total	Male	Female
0-4	51.229	26.246	24.984	0-4	42.764	21.911	20.853
5-9	54.957	28.133	26.823	5-9	47.796	24.460	23.335
10-14	38.549	19.538	19.011	10-14	49.968	25.465	24.503
15-19	41.399	21.084	20.315	15-19	32.806	16.496	16.309
20-24	41.455	20.612	20.843	20-24	31.800	15.729	16.071
25-29	37.986	18.227	19.758	25-29	33.299	15.850	17.448
30-34	40.485	19.661	20.824	30-34	35.417	17.023	18.394
35-39	42.670	21.705	20.965	35-39	38.805	19.154	19.650
40-44	39.937	20.206	19.731	40-44	41.200	20.957	20.243
45-49	39.775	19.883	19.892	45-49	39.716	20.175	19.542
50-54	39.109	19.923	19.187	50-54	40.306	20.251	20.055
55-59	38.238	19.055	19.183	55-59	40.034	20.442	19.592
60-64	34.829	17.227	17.602	60-64	37.872	18.838	19.034
65-69	27.543	13.086	14.456	65-69	32.741	15.910	16.831
70-74	20.731	9.195	11.536	70-74	24.088	11.183	12.905
75-79	13.321	6.220	7.100	75-79	16.038	6.931	9.108
80+	11.569	5.031	6.538	80+	13.090	5.679	7.411
TOTAL	613.781	305.033	308.748	TOTAL	597.741	296.456	301.285

Table D.61.a Summary table for annual results of the population projection of 61-Trabzon province

61-Trabzon	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	1,62	1,61	1,59	1,58	1,56	1,55	1,53	1,52	1,50	1,49	1,47	1,46	1,44	1,43	1,41	1,40
GRR	0,79	0,79	0,78	0,77	0,76	0,76	0,75	0,74	0,73	0,73	0,72	0,71	0,70	0,70	0,69	0,68
NRR	0,76	0,75	0,75	0,74	0,73	0,73	0,72	0,72	0,71	0,70	0,69	0,69	0,68	0,68	0,67	0,66
Mean A. Childb.	27,5	27,6	27,6	27,7	27,8	27,9	27,9	28,0	28,1	28,2	28,2	28,3	28,4	28,5	28,5	28,6
Child-woman ratio	0,26	0,26	0,25	0,25	0,24	0,23	0,23	0,22	0,22	0,22	0,21	0,21	0,21	0,21	0,20	0,20
Fertility table: Custom																
Mortality																
Male LE	70,7	70,7	70,9	71,0	71,2	71,3	71,4	71,6	71,7	71,8	72,0	72,1	72,2	72,4	72,5	72,6
Female LE	72,9	73,0	73,1	73,2	73,4	73,5	73,7	73,8	74,0	74,1	74,3	74,4	74,6	74,7	74,9	75,0
Total LE	71,8	71,8	72,0	72,1	72,3	72,4	72,6	72,7	72,8	73,0	73,1	73,3	73,4	73,5	73,7	73,8
IMR	22,7	22,2	21,7	21,2	20,8	20,3	19,9	19,5	19,1	18,7	18,3	17,9	17,4	17,0	16,6	16,2
U5MR	26,9	26,3	25,6	25,0	24,4	23,9	23,4	22,8	22,3	21,8	21,3	20,7	20,2	19,7	19,2	18,7
Life table: Coale-Demeny West																
Immigration																
Male immigration	-380	-380	-380	-380	-380	-380	-380	-380	-380	-380	-380	-380	-380	-380	-380	-380
Female immigration	-729	-729	-729	-729	-729	-729	-729	-729	-729	-729	-729	-729	-729	-729	-729	-729
Total immigration	-1.109	-1.109	-1.109	-1.109	-1.109	-1.109	-1.109	-1.109	-1.109	-1.109	-1.109	-1.109	-1.109	-1.109	-1.109	-1.109
Vital Rates																
CBR per 1000	13,1	12,9	12,7	12,5	12,2	12,0	11,8	11,6	11,3	11,1	10,8	10,5	10,2	10,0	9,7	9,5
CDR per 1000	9,5	9,4	9,5	9,5	9,5	9,4	9,4	9,4	9,4	9,4	9,5	9,6	9,7	9,8	10,0	10,1
RNI percent	0,36	0,35	0,32	0,30	0,28	0,26	0,24	0,22	0,19	0,17	0,13	0,10	0,06	0,02	-0,02	-0,06
GR percent	0,21	0,20	0,17	0,15	0,13	0,11	0,09	0,07	0,04	0,02	-0,02	-0,05	-0,09	-0,13	-0,17	-0,21
Doubling time	329,3	341,1	401,2	449,8	532,2	603,8	770,4	965,6	1584,9	3557,0	0,0	0,0	0,0	0,0	0,0	0,0
Annual Births&Deaths																
Births	9.820	9.718	9.544	9.421	9.231	9.093	8.889	8.737	8.523	8.362	8.140	7.967	7.738	7.563	7.336	7.162
Deaths	7.133	7.082	7.135	7.151	7.139	7.116	7.100	7.085	7.083	7.105	7.151	7.222	7.310	7.409	7.512	7.617
Population																
Total population	748.982	750.524	751.839	753.015	754.013	754.895	755.589	756.147	756.492	756.653	756.547	756.196	755.529	754.587	753.315	751.764
Male population	370.218	371.724	373.066	374.286	375.368	376.347	377.191	377.929	378.528	379.005	379.323	379.498	379.495	379.337	378.996	378.496
Female population	378.764	378.800	378.773	378.729	378.645	378.548	378.398	378.217	377.964	377.648	377.224	376.698	376.033	375.249	374.319	373.268
Percent 0-4	7,05	6,88	6,70	6,50	6,28	6,05	5,94	5,84	5,72	5,61	5,49	5,38	5,25	5,14	5,02	4,90
Percent 5-14	16,03	15,63	15,24	14,87	14,54	14,25	13,86	13,50	13,17	12,84	12,54	12,29	12,03	11,75	11,45	11,13
Percent 15-49	53,99	53,98	53,95	53,90	53,80	53,65	53,45	53,20	52,92	52,60	52,26	51,85	51,44	51,03	50,64	50,26
Percent 15-64	67,38	67,97	68,58	69,16	69,70	70,16	70,55	70,87	71,12	71,30	71,41	71,40	71,35	71,27	71,19	71,10
Percent 65 and over	9,53	9,51	9,48	9,47	9,48	9,54	9,64	9,79	9,99	10,24	10,56	10,94	11,37	11,84	12,35	12,87
Percent females 15-49	52,73	52,75	52,76	52,74	52,68	52,56	52,39	52,17	51,91	51,62	51,30	50,91	50,52	50,14	49,77	49,42
Sex ratio	97,74	98,13	98,49	98,83	99,13	99,42	99,68	99,92	100,15	100,36	100,56	100,74	100,92	101,09	101,25	101,40
Dependency ratio	0,48	0,47	0,46	0,45	0,43	0,43	0,42	0,41	0,41	0,40	0,40	0,40	0,40	0,40	0,40	0,41
Median age	31	31	32	32	33	33	34	34	35	36	36	37	37	38	39	39
Urban population	256.730	262.308	267.805	273.345	278.759	284.218	289.542	294.822	300.100	305.234	310.335	315.258	320.118	324.774	329.274	333.708
Rural population	492.252	488.216	484.034	479.671	475.254	470.677	466.047	461.325	456.391	451.419	446.211	440.938	435.411	429.812	424.041	418.056
Percent urban	34,28	34,95	35,62	36,30	36,97	37,65	38,32	38,99	39,67	40,34	41,02	41,69	42,37	43,04	43,71	44,39
Percent rural	65,72	65,05	64,38	63,70	63,03	62,35	61,68	61,01	60,33	59,66	58,98	58,31	57,63	56,96	56,29	55,61

Table D.61.b Age groups and sex distribution for every five years from the population projection of 61-Trabzon province

Population by Age and Sex - Total							
61-Trabzon							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	52.834	27.044	25.790	0-4	45.696	23.337	22.359
5-9	57.253	29.248	28.005	5-9	51.640	26.341	25.299
10-14	62.835	31.866	30.969	10-14	55.919	28.390	27.528
15-19	64.965	33.186	31.779	15-19	63.440	32.452	30.988
20-24	68.256	34.845	33.411	20-24	61.973	32.142	29.831
25-29	62.364	32.000	30.364	25-29	60.492	30.678	29.814
30-34	55.189	28.068	27.121	30-34	58.049	29.457	28.591
35-39	53.583	26.791	26.792	35-39	54.866	27.796	27.070
40-44	51.508	25.647	25.861	40-44	54.096	27.209	26.888
45-49	48.481	24.085	24.396	45-49	52.085	26.306	25.779
50-54	43.261	21.227	22.034	50-54	49.215	24.672	24.544
55-59	32.155	16.286	15.869	55-59	43.544	21.344	22.201
60-64	24.913	11.231	13.682	60-64	31.866	16.055	15.811
65-69	23.226	10.139	13.087	65-69	23.609	10.640	12.970
70-74	16.637	7.699	8.938	70-74	20.141	8.629	11.512
75-79	18.092	7.559	10.533	75-79	12.571	5.681	6.891
80+	13.430	3.297	10.133	80+	15.690	5.219	10.471
TOTAL	748.982	370.218	378.764	TOTAL	754.895	376.347	378.548
2018	Total	Male	Female	2023	Total	Male	Female
0-4	41.539	21.204	20.335	0-4	36.839	18.794	18.045
5-9	44.555	22.659	21.896	5-9	40.431	20.540	19.890
10-14	50.327	25.494	24.833	10-14	43.262	21.822	21.440
15-19	56.557	28.994	27.563	15-19	50.992	26.111	24.880
20-24	60.481	31.424	29.057	20-24	53.644	27.991	25.653
25-29	54.270	28.004	26.266	25-29	52.813	27.303	25.510
30-34	56.221	28.158	28.064	30-34	50.058	25.510	24.548
35-39	57.746	29.194	28.552	35-39	55.966	27.918	28.048
40-44	55.415	28.227	27.188	40-44	58.319	29.636	28.683
45-49	54.696	27.875	26.820	45-49	56.059	28.913	27.146
50-54	52.810	26.878	25.932	50-54	55.445	28.456	26.989
55-59	49.359	24.691	24.668	55-59	52.926	26.868	26.059
60-64	42.679	20.813	21.866	60-64	48.271	24.006	24.265
65-69	29.974	14.991	14.983	65-69	39.922	19.311	20.611
70-74	20.569	9.109	11.459	70-74	26.082	12.801	13.280
75-79	15.338	6.418	8.921	75-79	15.776	6.843	8.933
80+	14.011	5.190	8.821	80+	14.959	5.672	9.287
TOTAL	756.547	379.323	377.224	TOTAL	751.764	378.496	373.268

Table D.62.a Summary table for annual results of the population projection of 62-Tunceli province

62-Tunceli	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	1,40	1,40	1,40	1,40	1,40	1,40	1,40	1,40	1,40	1,40	1,40	1,40	1,40	1,40	1,40	1,40
GRR	0,68	0,68	0,68	0,68	0,68	0,68	0,68	0,68	0,68	0,68	0,68	0,68	0,68	0,68	0,68	0,68
NRR	0,64	0,64	0,64	0,64	0,64	0,65	0,65	0,65	0,65	0,65	0,65	0,65	0,65	0,65	0,65	0,65
Mean A. Childb.	29,1	29,0	29,0	29,0	28,9	28,9	28,9	28,8	28,8	28,8	28,8	28,7	28,7	28,7	28,6	28,6
Child-woman ratio	0,25	0,24	0,23	0,22	0,21	0,20	0,20	0,20	0,20	0,20	0,19	0,19	0,19	0,19	0,19	0,19
Fertility table: Custom																
Mortality																
Male LE	67,9	68,0	68,1	68,2	68,3	68,4	68,5	68,6	68,7	68,8	68,9	69,0	69,1	69,2	69,3	69,4
Female LE	71,2	71,2	71,3	71,4	71,6	71,7	71,8	71,9	72,0	72,1	72,2	72,3	72,4	72,5	72,6	72,7
Total LE	69,3	69,4	69,5	69,6	69,7	69,8	69,9	70,0	70,1	70,2	70,3	70,4	70,5	70,6	70,7	70,8
IMR	37,7	37,3	36,8	36,4	35,9	35,5	35,0	34,6	34,1	33,7	33,2	32,8	32,3	31,9	31,4	31,0
U5MR	43,6	43,0	42,5	41,9	41,4	40,8	40,3	39,7	39,2	38,6	38,1	37,5	37,0	36,4	35,9	35,3
Life table: Coale-Demeny East																
Immigration																
Male immigration	424	424	424	424	424	424	424	424	424	424	424	424	424	424	424	424
Female immigration	369	369	369	369	369	369	369	369	369	369	369	369	369	369	369	369
Total immigration	793	793	793	793	793	793	793	793	793	793	793	793	793	793	793	793
Vital Rates																
CBR per 1000	9,9	9,9	9,8	9,7	9,6	9,5	9,3	9,1	8,9	8,8	8,6	8,4	8,2	8,0	7,8	7,6
CDR per 1000	11,7	11,6	11,5	11,5	11,4	11,3	11,2	11,2	11,2	11,2	11,2	11,3	11,4	11,5	11,7	11,9
RNI percent	-0,18	-0,17	-0,17	-0,17	-0,18	-0,18	-0,19	-0,21	-0,22	-0,24	-0,27	-0,29	-0,32	-0,36	-0,40	-0,44
GR percent	0,74	0,74	0,73	0,72	0,71	0,70	0,68	0,66	0,64	0,62	0,59	0,56	0,52	0,48	0,44	0,40
Doubling time	94,1	93,9	95,1	96,3	97,7	99,5	101,8	104,6	108,3	112,7	118,1	124,7	132,9	143,3	156,9	174,9
Annual Births&Deaths																
Births	859	860	861	859	855	849	841	831	819	807	794	780	765	750	734	718
Deaths	1.012	1.008	1.011	1.013	1.014	1.015	1.016	1.019	1.024	1.031	1.041	1.053	1.068	1.086	1.108	1.133
Population																
Total population	86.448	87.108	87.764	88.417	89.065	89.706	90.338	90.956	91.558	92.141	92.700	93.234	93.737	94.208	94.640	95.031
Male population	49.709	50.074	50.431	50.781	51.123	51.457	51.782	52.098	52.402	52.694	52.972	53.236	53.484	53.713	53.921	54.107
Female population	36.739	37.034	37.334	37.637	37.942	38.250	38.556	38.859	39.157	39.447	39.728	39.997	40.253	40.494	40.719	40.924
Percent 0-4	5,62	5,38	5,15	4,93	4,71	4,50	4,45	4,39	4,32	4,25	4,17	4,08	4,00	3,91	3,82	3,72
Percent 5-14	11,60	11,36	11,06	10,72	10,40	10,15	9,81	9,53	9,28	9,00	8,69	8,44	8,20	7,95	7,70	7,45
Percent 15-49	61,60	61,44	61,30	61,18	61,00	60,72	60,34	59,89	59,39	58,86	58,32	57,67	56,98	56,26	55,54	54,82
Percent 15-64	72,52	73,16	73,80	74,40	74,91	75,31	75,59	75,77	75,88	75,96	76,02	75,97	75,86	75,71	75,53	75,34
Percent 65 and over	10,27	10,10	10,00	9,96	9,97	10,03	10,14	10,31	10,52	10,79	11,12	11,51	11,95	12,44	12,95	13,48
Percent females 15-49	53,32	53,34	53,29	53,14	52,92	52,60	52,21	51,76	51,25	50,67	50,04	49,36	48,64	47,89	47,13	46,38
Sex ratio	135,30	135,21	135,08	134,92	134,74	134,53	134,30	134,07	133,83	133,58	133,34	133,10	132,87	132,64	132,42	132,21
Dependency ratio	0,38	0,37	0,36	0,34	0,33	0,33	0,32	0,32	0,32	0,32	0,32	0,32	0,32	0,32	0,32	0,33
Median age	28	29	30	30	31	32	33	34	34	35	36	37	38	39	39	40
Urban population	28.585	29.512	30.445	31.388	32.348	33.308	34.274	35.255	36.230	37.206	38.183	39.167	40.138	41.103	42.058	43.011
Rural population	57.863	57.596	57.319	57.029	56.717	56.398	56.064	55.702	55.329	54.934	54.517	54.066	53.599	53.105	52.582	52.020
Percent urban	33,07	33,88	34,69	35,50	36,32	37,13	37,94	38,76	39,57	40,38	41,19	42,01	42,82	43,63	44,44	45,26
Percent rural	66,93	66,12	65,31	64,50	63,68	62,87	62,06	61,24	60,43	59,62	58,81	57,99	57,18	56,37	55,56	54,74

Table D.62.b Age groups and sex distribution for every five years from the population projection of 62-Tunceli province

Population by Age and Sex - Total 62-Tunceli							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	4.855	2.525	2.330	0-4	4.039	2.033	2.006
5-9	4.820	2.463	2.357	5-9	4.581	2.355	2.226
10-14	5.204	2.637	2.567	10-14	4.525	2.308	2.217
15-19	6.000	3.180	2.820	15-19	4.903	2.396	2.506
20-24	16.520	13.424	3.096	20-24	6.656	3.740	2.916
25-29	8.669	5.112	3.557	25-29	16.948	13.833	3.116
30-34	7.064	4.120	2.944	30-34	8.051	4.763	3.289
35-39	6.099	3.368	2.731	35-39	6.715	3.828	2.887
40-44	4.752	2.421	2.331	40-44	6.103	3.230	2.874
45-49	4.145	2.036	2.109	45-49	5.094	2.561	2.533
50-54	3.837	1.825	2.012	50-54	4.821	2.315	2.506
55-59	3.072	1.415	1.657	55-59	4.614	2.243	2.370
60-64	2.536	1.105	1.431	60-64	3.657	1.730	1.926
65-69	2.036	905	1.131	65-69	2.874	1.290	1.584
70-74	2.368	1.253	1.115	70-74	2.030	921	1.110
75-79	2.372	1.171	1.201	75-79	1.836	966	870
80+	2.099	749	1.350	80+	2.259	945	1.314
TOTAL	86.448	49.709	36.739	TOTAL	89.706	51.457	38.250
2018	Total	Male	Female	2023	Total	Male	Female
0-4	3.864	1.944	1.920	0-4	3.540	1.778	1.761
5-9	3.771	1.867	1.904	5-9	3.599	1.779	1.820
10-14	4.287	2.201	2.087	10-14	3.480	1.714	1.766
15-19	4.227	2.069	2.158	15-19	3.990	1.963	2.028
20-24	5.567	2.963	2.604	20-24	4.895	2.638	2.257
25-29	7.158	4.220	2.937	25-29	6.078	3.450	2.628
30-34	16.273	13.421	2.851	30-34	6.555	3.881	2.675
35-39	7.698	4.468	3.231	35-39	15.855	13.058	2.797
40-44	6.716	3.686	3.030	40-44	7.695	4.323	3.372
45-49	6.426	3.356	3.070	45-49	7.032	3.807	3.225
50-54	5.749	2.827	2.923	50-54	7.051	3.600	3.451
55-59	5.560	2.710	2.850	55-59	6.457	3.199	3.257
60-64	5.099	2.493	2.606	60-64	5.991	2.924	3.067
65-69	3.881	1.840	2.041	65-69	5.181	2.512	2.669
70-74	2.739	1.238	1.501	70-74	3.585	1.688	1.897
75-79	1.617	742	875	75-79	2.148	972	1.176
80+	2.068	928	1.140	80+	1.899	820	1.079
TOTAL	92.700	52.972	39.728	TOTAL	95.031	54.107	40.924

Table D.63.a Summary table for annual results of the population projection of 63-Şanlıurfa province

63-Şanlıurfa	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	3,94	3,87	3,79	3,71	3,63	3,55	3,47	3,39	3,31	3,23	3,15	3,07	2,99	2,91	2,84	2,76
GRR	1,92	1,89	1,85	1,81	1,77	1,73	1,69	1,65	1,61	1,58	1,54	1,50	1,46	1,42	1,39	1,35
NRR	1,83	1,80	1,76	1,72	1,69	1,65	1,62	1,58	1,55	1,51	1,47	1,44	1,40	1,37	1,33	1,30
Mean A. Childb.	29,4	29,3	29,3	29,2	29,2	29,1	29,1	29,0	29,0	28,9	28,9	28,8	28,8	28,7	28,7	28,6
Child-woman ratio	0,65	0,62	0,60	0,57	0,55	0,53	0,52	0,51	0,50	0,49	0,47	0,46	0,45	0,44	0,43	0,42
Fertility table: Custom																
Mortality																
Male LE	69,2	69,4	69,5	69,6	69,7	69,8	69,9	70,0	70,2	70,3	70,4	70,5	70,6	70,7	70,8	70,9
Female LE	72,6	72,6	72,7	72,9	73,0	73,1	73,2	73,3	73,4	73,6	73,7	73,8	73,9	74,0	74,2	74,3
Total LE	70,9	71,0	71,1	71,2	71,3	71,5	71,6	71,7	71,8	71,9	72,0	72,1	72,2	72,3	72,5	72,6
IMR	31,7	31,2	30,7	30,2	29,7	29,3	28,8	28,3	27,8	27,3	26,9	26,5	26,0	25,6	25,2	24,8
U5MR	36,2	35,6	35,0	34,4	33,8	33,2	32,7	32,0	31,4	30,8	30,3	29,8	29,3	28,8	28,3	27,8
Life table: Coale-Demeny East																
Immigration																
Male immigration	-5.887	-5.887	-5.887	-5.887	-5.887	-5.887	-5.887	-5.887	-5.887	-5.887	-5.887	-5.887	-5.887	-5.887	-5.887	-5.887
Female immigration	-5.885	-5.885	-5.885	-5.885	-5.885	-5.885	-5.885	-5.885	-5.885	-5.885	-5.885	-5.885	-5.885	-5.885	-5.885	-5.885
Total immigration	-11.772	-11.772	-11.772	-11.772	-11.772	-11.772	-11.772	-11.772	-11.772	-11.772	-11.772	-11.772	-11.772	-11.772	-11.772	-11.772
Vital Rates																
CBR per 1000	29,8	29,5	29,1	28,7	28,3	27,9	27,5	27,0	26,6	26,2	25,7	25,3	24,9	24,4	24,0	23,5
CDR per 1000	4,6	4,4	4,4	4,4	4,4	4,3	4,3	4,3	4,3	4,3	4,3	4,3	4,4	4,4	4,4	4,4
RNI percent	2,52	2,50	2,47	2,43	2,39	2,35	2,31	2,27	2,23	2,19	2,14	2,10	2,05	2,00	1,96	1,91
GR percent	1,77	1,77	1,75	1,72	1,70	1,67	1,64	1,61	1,58	1,54	1,51	1,47	1,43	1,39	1,36	1,31
Doubling time	39,4	39,5	40,0	40,6	41,2	41,9	42,6	43,4	44,3	45,3	46,3	47,5	48,7	50,1	51,3	53,1
Annual Births&Deaths																
Births	46.891	47.250	47.461	47.637	47.775	47.873	47.929	47.943	47.921	47.869	47.785	47.676	47.512	47.285	47.154	46.784
Deaths	7.180	7.128	7.208	7.293	7.376	7.465	7.563	7.661	7.771	7.891	8.028	8.179	8.335	8.500	8.673	8.846
Population																
Total population	1.574.221	1.602.411	1.630.731	1.659.142	1.687.609	1.716.085	1.744.519	1.772.871	1.801.090	1.829.136	1.856.962	1.884.529	1.911.776	1.938.631	1.965.181	1.991.188
Male population	788.276	802.857	817.489	832.154	846.835	861.510	876.153	890.743	905.257	919.674	933.968	948.120	962.097	975.865	989.464	1.002.776
Female population	785.945	799.553	813.242	826.988	840.773	854.574	868.366	882.127	895.832	909.462	922.994	936.409	949.679	962.766	975.717	988.412
Percent 0-4	15,63	15,04	14,51	14,03	13,59	13,18	13,01	12,84	12,66	12,48	12,29	12,10	11,92	11,72	11,54	11,34
Percent 5-14	27,37	27,33	27,21	27,03	26,79	26,51	26,00	25,48	24,97	24,46	23,96	23,39	22,86	22,37	21,90	21,47
Percent 15-49	47,65	48,11	48,56	49,01	49,47	49,92	50,37	50,82	51,26	51,69	52,12	52,60	53,04	53,44	53,80	54,14
Percent 15-64	53,87	54,47	55,10	55,74	56,38	57,02	57,66	58,28	58,91	59,53	60,15	60,84	61,49	62,10	62,67	63,20
Percent 65 and over	3,13	3,16	3,18	3,21	3,24	3,28	3,34	3,40	3,46	3,53	3,60	3,66	3,73	3,80	3,89	3,99
Percent females 15-49	48,07	48,46	48,84	49,22	49,61	50,01	50,43	50,86	51,29	51,72	52,13	52,57	52,97	53,32	53,63	53,91
Sex ratio	100,30	100,41	100,52	100,62	100,72	100,81	100,90	100,98	101,05	101,12	101,19	101,25	101,31	101,36	101,41	101,45
Dependency ratio	0,86	0,84	0,81	0,79	0,77	0,75	0,73	0,72	0,70	0,68	0,66	0,64	0,63	0,61	0,60	0,58
Median age	18	18	19	19	19	20	20	20	20	21	21	22	22	22	23	23
Urban population	890.390	913.695	937.507	961.473	985.732	1.010.259	1.035.198	1.060.177	1.085.337	1.110.652	1.136.275	1.161.812	1.187.404	1.213.001	1.238.850	1.264.405
Rural population	683.831	688.716	693.224	697.669	701.876	705.826	709.322	712.694	715.753	718.485	720.687	722.717	724.372	725.629	726.331	726.784
Percent urban	56,56	57,02	57,49	57,95	58,41	58,87	59,34	59,80	60,26	60,72	61,19	61,65	62,11	62,57	63,04	63,50
Percent rural	43,44	42,98	42,51	42,05	41,59	41,13	40,66	40,20	39,74	39,28	38,81	38,35	37,89	37,43	36,96	36,50

Table D.63.b Age groups and sex distribution for every five years from the population projection of 63-Şanlıurfa province

Population by Age and Sex - Total							
63-Şanlıurfa							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	246.018	126.654	119.364	0-4	226.224	115.664	110.561
5-9	227.234	116.445	110.789	5-9	236.687	121.797	114.890
10-14	203.646	104.880	98.766	10-14	218.314	111.822	106.492
15-19	173.662	88.586	85.076	15-19	195.754	100.456	95.299
20-24	139.080	66.120	72.960	20-24	167.039	85.054	81.984
25-29	129.000	63.219	65.781	25-29	133.589	64.157	69.433
30-34	100.823	50.242	50.581	30-34	121.631	60.174	61.457
35-39	83.239	41.884	41.355	35-39	94.213	46.598	47.615
40-44	68.588	35.101	33.487	40-44	78.976	39.402	39.573
45-49	55.672	27.120	28.552	45-49	65.453	33.402	32.051
50-54	40.397	19.914	20.483	50-54	53.307	25.771	27.536
55-59	32.644	15.502	17.142	55-59	38.215	18.684	19.531
60-64	24.912	11.330	13.582	60-64	30.322	14.125	16.197
65-69	19.520	8.865	10.655	65-69	22.343	9.952	12.391
70-74	12.800	5.655	7.145	70-74	16.307	7.267	9.040
75-79	9.894	4.391	5.503	75-79	9.394	4.001	5.393
80+	7.092	2.368	4.724	80+	8.316	3.185	5.131
TOTAL	1.574.221	788.276	785.945	TOTAL	1.716.085	861.510	854.574
2018	Total	Male	Female	2023	Total	Male	Female
0-4	228.247	116.720	111.527	0-4	225.838	115.473	110.365
5-9	217.082	110.910	106.172	5-9	219.203	112.013	107.190
10-14	227.790	117.186	110.605	10-14	208.251	106.335	101.916
15-19	210.430	107.401	103.029	15-19	219.924	112.770	107.154
20-24	189.099	96.897	92.203	20-24	203.780	103.841	99.939
25-29	161.461	83.010	78.451	25-29	183.485	94.820	88.665
30-34	126.253	61.135	65.119	30-34	154.036	79.906	74.130
35-39	114.938	56.484	58.454	35-39	119.592	57.466	62.126
40-44	89.906	44.098	45.809	40-44	110.513	53.918	56.595
45-49	75.751	37.662	38.089	45-49	86.602	42.320	44.282
50-54	62.896	31.901	30.995	50-54	73.037	36.082	36.955
55-59	50.694	24.286	26.408	55-59	59.970	30.165	29.805
60-64	35.606	17.092	18.513	60-64	47.438	22.314	25.123
65-69	27.281	12.445	14.836	65-69	32.141	15.111	17.030
70-74	18.758	8.182	10.576	70-74	23.002	10.265	12.737
75-79	12.040	5.172	6.868	75-79	13.947	5.861	8.085
80+	8.730	3.389	5.342	80+	10.430	4.117	6.313
TOTAL	1.856.962	933.968	922.994	TOTAL	1.991.188	1.002.776	988.412

Table D.64.a Summary table for annual results of the population projection of 64-Uşak province

64-Uşak	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	
Fertility																	
Input TFR	1,86	1,83	1,81	1,78	1,75	1,73	1,70	1,68	1,65	1,62	1,60	1,57	1,55	1,52	1,49	1,47	
GRR	0,91	0,89	0,88	0,87	0,85	0,84	0,83	0,82	0,80	0,79	0,78	0,77	0,76	0,74	0,73	0,72	
NRR	0,88	0,87	0,86	0,84	0,83	0,82	0,81	0,80	0,79	0,77	0,76	0,75	0,74	0,73	0,71	0,71	
Mean A. Childb.	27,0	27,2	27,3	27,4	27,5	27,6	27,7	27,8	27,9	28,0	28,1	28,2	28,3	28,4	28,5	28,6	
Child-woman ratio	0,26	0,26	0,27	0,27	0,26	0,26	0,25	0,25	0,24	0,24	0,23	0,23	0,22	0,22	0,21	0,21	
Fertility table: Custom																	
Mortality																	
Male LE	71,9	71,8	72,0	72,1	72,3	72,4	72,6	72,7	72,9	73,1	73,2	73,4	73,5	73,7	73,9	74,0	
Female LE	74,1	74,2	74,5	74,8	75,0	75,2	75,5	75,7	75,9	76,1	76,4	76,6	76,8	77,1	77,3	77,6	
Total LE	73,0	73,0	73,3	73,5	73,7	73,8	74,0	74,2	74,4	74,6	74,8	75,0	75,2	75,4	75,6	75,8	
IMR	19,1	18,5	17,9	17,3	16,7	16,2	15,8	15,3	14,8	14,3	13,9	13,4	12,9	12,4	12,0	11,5	
U5MR	22,3	21,5	20,8	20,0	19,3	18,7	18,1	17,6	17,0	16,4	15,9	15,3	14,7	14,2	13,6	13,0	
Life table: Coale-Demeny West																	
Immigration																	
Male immigration	-794	-794	-794	-794	-794	-794	-794	-794	-794	-794	-794	-794	-794	-794	-794	-794	-794
Female immigration	-762	-762	-762	-762	-762	-762	-762	-762	-762	-762	-762	-762	-762	-762	-762	-762	-762
Total immigration	-1.556	-1.556	-1.556	-1.556	-1.556	-1.556	-1.556	-1.556	-1.556	-1.556	-1.556	-1.556	-1.556	-1.556	-1.556	-1.556	-1.556
Vital Rates																	
CBR per 1000	15,1	14,7	14,3	13,8	13,4	13,0	12,6	12,2	11,8	11,4	11,1	10,7	10,4	10,0	9,7	9,4	
CDR per 1000	9,0	8,9	8,9	9,0	9,0	9,0	9,0	9,0	9,0	9,1	9,1	9,2	9,3	9,4	9,5	9,6	
RNI percent	0,62	0,58	0,53	0,48	0,44	0,40	0,36	0,32	0,28	0,23	0,20	0,15	0,11	0,07	0,02	-0,02	
GR percent	0,15	0,12	0,07	0,02	-0,03	-0,07	-0,11	-0,15	-0,19	-0,23	-0,27	-0,32	-0,36	-0,41	-0,46	-0,50	
Doubling time	464,4	600,3	1014,9	3884,7	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	
Annual Births&Deaths																	
Births	5.051	4.904	4.780	4.628	4.476	4.352	4.203	4.079	3.932	3.787	3.668	3.527	3.413	3.282	3.155	3.054	
Deaths	2.996	2.962	2.995	3.012	3.017	3.016	3.014	3.010	3.007	3.008	3.015	3.028	3.046	3.067	3.089	3.114	
Population																	
Total population	334.110	334.494	334.720	334.777	334.677	334.453	334.083	333.594	332.961	332.182	331.276	330.216	329.025	327.681	326.188	324.570	
Male population	165.505	165.759	165.931	166.016	166.017	165.950	165.804	165.592	165.300	164.929	164.486	163.961	163.362	162.681	161.918	161.086	
Female population	168.605	168.735	168.788	168.761	168.660	168.503	168.279	168.002	167.661	167.254	166.790	166.256	165.663	165.000	164.270	163.485	
Percent 0-4	7,06	7,07	7,06	7,00	6,90	6,77	6,58	6,39	6,20	6,01	5,83	5,65	5,47	5,30	5,14	4,98	
Percent 5-14	15,25	14,95	14,63	14,33	14,07	13,86	13,74	13,64	13,55	13,44	13,32	13,18	13,01	12,80	12,56	12,28	
Percent 15-49	53,62	53,36	53,11	52,86	52,59	52,29	51,96	51,61	51,23	50,85	50,45	50,04	49,63	49,23	48,85	48,49	
Percent 15-64	67,91	68,16	68,44	68,74	69,02	69,23	69,38	69,48	69,53	69,55	69,55	69,52	69,47	69,41	69,34	69,26	
Percent 65 and over	9,77	9,82	9,87	9,93	10,02	10,14	10,30	10,49	10,72	11,00	11,31	11,66	12,06	12,49	12,97	13,49	
Percent females 15-49	53,26	52,94	52,63	52,32	52,00	51,66	51,29	50,90	50,51	50,10	49,69	49,26	48,84	48,43	48,03	47,65	
Sex ratio	98,16	98,24	98,31	98,37	98,43	98,48	98,53	98,57	98,59	98,61	98,62	98,62	98,61	98,59	98,57	98,53	
Dependency ratio	0,47	0,47	0,46	0,45	0,45	0,44	0,44	0,44	0,44	0,44	0,44	0,44	0,44	0,44	0,44	0,44	
Median age	32	33	33	34	34	34	35	35	36	36	37	37	38	39	39	40	
Urban population	173.052	176.245	179.376	182.420	185.377	188.264	191.062	193.752	196.381	198.911	201.349	203.677	205.904	207.979	209.967	211.847	
Rural population	161.058	158.249	155.343	152.357	149.299	146.190	143.021	139.843	136.581	133.271	129.926	126.539	123.121	119.702	116.221	112.723	
Percent urban	51,79	52,69	53,59	54,49	55,39	56,29	57,19	58,08	58,98	59,88	60,78	61,68	62,58	63,47	64,37	65,27	
Percent rural	48,21	47,31	46,41	45,51	44,61	43,71	42,81	41,92	41,02	40,12	39,22	38,32	37,42	36,53	35,63	34,73	

Table D.64.b Age groups and sex distribution for every five years from the population projection of 64-Uşak province

Population by Age and Sex - Total							
64-Uşak							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	23.593	12.176	11.417	0-4	22.653	11.483	11.171
5-9	24.367	12.536	11.831	5-9	23.048	11.800	11.248
10-14	26.601	13.780	12.821	10-14	23.303	11.936	11.367
15-19	25.539	13.034	12.505	15-19	25.987	13.331	12.656
20-24	26.679	12.565	14.114	20-24	23.770	12.261	11.509
25-29	28.433	14.437	13.996	25-29	24.367	11.590	12.776
30-34	26.484	13.211	13.273	30-34	27.422	13.881	13.541
35-39	25.377	12.824	12.553	35-39	25.558	12.695	12.863
40-44	23.731	11.905	11.826	40-44	24.548	12.413	12.135
45-49	22.910	11.386	11.524	45-49	23.232	11.671	11.561
50-54	19.748	9.820	9.928	50-54	22.685	11.260	11.425
55-59	15.719	7.793	7.926	55-59	19.173	9.481	9.692
60-64	12.285	5.683	6.602	60-64	14.806	7.288	7.518
65-69	10.785	4.869	5.916	65-69	11.271	5.131	6.140
70-74	8.604	3.861	4.743	70-74	9.271	4.084	5.187
75-79	8.223	3.554	4.669	75-79	6.605	2.911	3.694
80+	5.032	2.071	2.961	80+	6.756	2.734	4.021
TOTAL	334.110	165.505	168.605	TOTAL	334.453	165.950	168.503
2018	Total	Male	Female	2023	Total	Male	Female
0-4	19.300	9.763	9.537	0-4	16.154	8.152	8.002
5-9	22.123	11.113	11.009	5-9	18.784	9.402	9.382
10-14	21.990	11.203	10.787	10-14	21.070	10.520	10.551
15-19	22.702	11.495	11.207	15-19	21.398	10.767	10.631
20-24	24.227	12.562	11.665	20-24	20.961	10.737	10.224
25-29	21.480	11.294	10.186	25-29	21.948	11.600	10.348
30-34	23.389	11.054	12.335	30-34	20.525	10.765	9.760
35-39	26.512	13.370	13.143	35-39	22.516	10.564	11.953
40-44	24.754	12.296	12.458	40-44	25.728	12.977	12.751
45-49	24.075	12.188	11.887	45-49	24.316	12.088	12.228
50-54	23.048	11.560	11.488	50-54	23.924	12.088	11.836
55-59	22.071	10.891	11.180	55-59	22.489	11.209	11.279
60-64	18.143	8.897	9.246	60-64	20.977	10.255	10.722
65-69	13.637	6.601	7.036	65-69	16.792	8.088	8.704
70-74	9.775	4.338	5.437	70-74	11.901	5.610	6.291
75-79	7.211	3.108	4.103	75-79	7.701	3.335	4.366
80+	6.838	2.754	4.084	80+	7.385	2.928	4.457
TOTAL	331.276	164.486	166.790	TOTAL	324.570	161.086	163.485

Table D.65.a Summary table for annual results of the population projection of 65-Van province

65-Van	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	5,05	4,97	4,89	4,82	4,74	4,66	4,58	4,50	4,42	4,34	4,26	4,18	4,10	4,02	3,94	3,87
GRR	2,46	2,42	2,39	2,35	2,31	2,27	2,23	2,20	2,16	2,12	2,08	2,04	2,00	1,96	1,92	1,89
NRR	2,32	2,28	2,25	2,22	2,18	2,15	2,11	2,08	2,04	2,01	1,97	1,94	1,90	1,87	1,83	1,80
Mean A. Childb.	29,1	29,0	29,0	29,0	28,9	28,9	28,9	28,8	28,8	28,8	28,8	28,7	28,7	28,7	28,6	28,6
Child-woman ratio	0,62	0,63	0,64	0,66	0,67	0,69	0,68	0,67	0,65	0,64	0,63	0,63	0,62	0,61	0,60	0,60
Fertility table: Custom																
Mortality																
Male LE	67,9	68,0	68,1	68,2	68,3	68,4	68,5	68,6	68,7	68,8	68,9	69,0	69,1	69,2	69,3	69,4
Female LE	71,2	71,2	71,3	71,4	71,6	71,7	71,8	71,9	72,0	72,1	72,2	72,3	72,4	72,5	72,6	72,7
Total LE	69,5	69,6	69,7	69,8	69,9	70,0	70,1	70,2	70,3	70,4	70,5	70,6	70,7	70,8	70,9	71,0
IMR	37,7	37,3	36,8	36,4	35,9	35,5	35,0	34,6	34,1	33,7	33,2	32,8	32,3	31,9	31,4	31,0
U5MR	43,6	43,0	42,5	41,9	41,4	40,8	40,3	39,7	39,2	38,6	38,1	37,5	37,0	36,4	35,9	35,3
Life table: Coale-Demeny East																
Immigration																
Male immigration	-4.534	-4.534	-4.534	-4.534	-4.534	-4.534	-4.534	-4.534	-4.534	-4.534	-4.534	-4.534	-4.534	-4.534	-4.534	-4.534
Female immigration	-4.554	-4.554	-4.554	-4.554	-4.554	-4.554	-4.554	-4.554	-4.554	-4.554	-4.554	-4.554	-4.554	-4.554	-4.554	-4.554
Total immigration	-9.088	-9.088	-9.088	-9.088	-9.088	-9.088	-9.088	-9.088	-9.088	-9.088	-9.088	-9.088	-9.088	-9.088	-9.088	-9.088
Vital Rates																
CBR per 1000	37,4	36,9	36,4	35,9	35,4	34,9	34,3	33,8	33,3	32,7	32,2	31,7	31,1	30,6	30,0	29,5
CDR per 1000	5,1	4,9	4,9	4,9	4,8	4,8	4,8	4,7	4,7	4,7	4,7	4,6	4,6	4,6	4,6	4,7
RNI percent	3,23	3,19	3,14	3,11	3,06	3,01	2,96	2,91	2,86	2,81	2,75	2,70	2,65	2,59	2,53	2,48
GR percent	2,33	2,31	2,28	2,26	2,23	2,20	2,17	2,13	2,10	2,06	2,03	1,99	1,95	1,91	1,86	1,82
Doubling time	30,1	30,3	30,7	31,0	31,4	31,8	32,3	32,8	33,4	33,9	34,5	35,2	35,9	36,7	37,6	38,4
Annual Births&Deaths																
Births	37.552	37.891	38.242	38.661	38.973	39.249	39.491	39.706	39.902	40.087	40.257	40.391	40.490	40.541	40.527	40.539
Deaths	5.083	5.055	5.167	5.248	5.321	5.392	5.470	5.549	5.630	5.719	5.820	5.927	6.040	6.157	6.277	6.402
Population																
Total population	1.004.371	1.028.002	1.051.872	1.076.080	1.100.527	1.125.180	1.149.997	1.174.950	1.200.017	1.225.181	1.250.414	1.275.674	1.300.921	1.326.102	1.351.148	1.376.083
Male population	516.526	528.637	540.866	553.261	565.773	578.385	591.076	603.831	616.642	629.498	642.387	655.287	668.178	681.033	693.818	706.544
Female population	487.845	499.365	511.007	522.819	534.754	546.795	558.921	571.118	583.376	595.683	608.027	620.387	632.743	645.068	657.330	669.539
Percent 0-4	14,47	14,75	15,07	15,42	15,80	16,21	16,00	15,79	15,56	15,34	15,12	14,89	14,67	14,44	14,21	13,98
Percent 5-14	27,73	27,18	26,58	25,93	25,25	24,55	24,48	24,42	24,41	24,42	24,47	24,60	24,76	24,95	25,16	25,40
Percent 15-49	48,88	49,01	49,16	49,30	49,44	49,58	49,70	49,81	49,88	49,91	49,89	49,76	49,59	49,39	49,18	48,97
Percent 15-64	55,01	55,27	55,55	55,83	56,11	56,38	56,63	56,86	57,06	57,22	57,34	57,37	57,36	57,31	57,24	57,14
Percent 65 and over	2,79	2,79	2,81	2,82	2,84	2,86	2,89	2,93	2,97	3,02	3,07	3,14	3,21	3,30	3,38	3,48
Percent females 15-49	47,97	48,05	48,16	48,27	48,40	48,54	48,69	48,84	48,96	49,03	49,05	48,95	48,79	48,61	48,42	48,22
Sex ratio	105,88	105,86	105,84	105,82	105,80	105,78	105,75	105,73	105,70	105,68	105,65	105,63	105,60	105,58	105,55	105,53
Dependency ratio	0,82	0,81	0,80	0,79	0,78	0,77	0,77	0,76	0,75	0,75	0,74	0,74	0,74	0,74	0,75	0,75
Median age	18	19	19	19	19	19	19	19	19	20	20	20	20	20	21	21
Urban population	415.871	431.966	448.518	465.512	482.801	500.593	518.764	537.187	556.088	575.345	594.822	614.747	634.979	655.359	676.115	697.123
Rural population	588.500	596.035	603.354	610.568	617.726	624.587	631.233	637.763	643.929	649.836	655.592	660.927	665.941	670.742	675.034	678.959
Percent urban	41,41	42,02	42,64	43,26	43,87	44,49	45,11	45,72	46,34	46,96	47,57	48,19	48,81	49,42	50,04	50,66
Percent rural	58,59	57,98	57,36	56,74	56,13	55,51	54,89	54,28	53,66	53,04	52,43	51,81	51,19	50,58	49,96	49,34

Table D.65.b Age groups and sex distribution for every five years from the population projection of 65-Van province

Population by Age and Sex - Total							
65-Van							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	145.375	74.758	70.617	0-4	182.360	93.205	89.155
5-9	145.149	74.189	70.960	5-9	137.960	70.759	67.201
10-14	133.332	68.819	64.513	10-14	138.284	70.320	67.965
15-19	114.414	59.125	55.289	15-19	127.069	65.209	61.860
20-24	96.963	52.586	44.377	20-24	108.386	55.941	52.445
25-29	87.153	44.456	42.697	25-29	91.177	50.204	40.973
30-34	61.074	31.971	29.103	30-34	81.587	42.086	39.501
35-39	53.693	28.084	25.609	35-39	57.630	30.282	27.348
40-44	42.603	22.692	19.911	40-44	51.323	26.990	24.333
45-49	35.021	18.003	17.018	45-49	40.699	21.728	18.971
50-54	26.996	12.893	14.103	50-54	33.189	17.060	16.129
55-59	19.683	9.156	10.527	55-59	25.248	11.969	13.279
60-64	14.924	6.777	8.147	60-64	18.038	8.161	9.877
65-69	11.089	5.293	5.796	65-69	13.147	5.738	7.409
70-74	7.207	3.491	3.716	70-74	9.201	4.298	4.903
75-79	5.708	2.645	3.063	75-79	5.223	2.482	2.741
80+	3.987	1.588	2.399	80+	4.660	1.955	2.705
TOTAL	1.004.371	516.526	487.845	TOTAL	1.125.180	578.385	546.795
2018	Total	Male	Female	2023	Total	Male	Female
0-4	189.013	96.627	92.385	0-4	192.429	98.395	94.034
5-9	174.826	89.150	85.676	5-9	181.541	92.608	88.933
10-14	131.133	66.910	64.223	10-14	167.954	85.276	82.678
15-19	132.032	66.718	65.314	15-19	124.925	63.334	61.592
20-24	121.017	62.009	59.007	20-24	125.996	63.530	62.465
25-29	102.577	53.556	49.020	25-29	115.180	59.607	55.573
30-34	85.611	47.810	37.801	30-34	96.985	51.160	45.824
35-39	78.013	40.325	37.688	35-39	82.038	46.023	36.015
40-44	55.251	29.180	26.071	40-44	75.464	39.131	36.333
45-49	49.307	25.963	23.344	45-49	53.215	28.139	25.076
50-54	38.741	20.685	18.056	50-54	47.167	24.811	22.356
55-59	31.188	15.933	15.255	55-59	36.538	19.395	17.143
60-64	23.266	10.760	12.506	60-64	28.831	14.425	14.406
65-69	15.980	6.968	9.013	65-69	20.716	9.270	11.446
70-74	10.968	4.673	6.295	70-74	13.386	5.692	7.694
75-79	6.709	3.060	3.649	75-79	8.052	3.339	4.713
80+	4.782	2.059	2.723	80+	5.667	2.409	3.258
TOTAL	1.250.414	642.387	608.027	TOTAL	1.376.083	706.544	669.539

Table D.66.a Summary table for annual results of the population projection of 66-Yozgat province

66-Yozgat	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	2,48	2,46	2,43	2,41	2,38	2,35	2,33	2,30	2,28	2,25	2,22	2,20	2,17	2,15	2,12	2,09
GRR	1,21	1,20	1,19	1,18	1,16	1,15	1,14	1,12	1,11	1,10	1,08	1,07	1,06	1,05	1,03	1,02
NRR	1,17	1,16	1,15	1,14	1,13	1,12	1,11	1,10	1,09	1,07	1,06	1,05	1,04	1,03	1,02	1,00
Mean A. Childb.	27,0	27,2	27,3	27,4	27,5	27,6	27,7	27,8	27,9	28,0	28,1	28,2	28,3	28,4	28,5	28,6
Child-woman ratio	0,33	0,33	0,34	0,34	0,34	0,34	0,34	0,33	0,32	0,31	0,31	0,30	0,29	0,28	0,27	0,26
Fertility table: Custom																
Mortality																
Male LE	71,9	71,8	72,0	72,1	72,3	72,4	72,6	72,7	72,9	73,1	73,2	73,4	73,5	73,7	73,9	74,0
Female LE	74,1	74,2	74,5	74,8	75,0	75,2	75,5	75,7	75,9	76,1	76,4	76,6	76,8	77,1	77,3	77,6
Total LE	73,0	73,0	73,2	73,4	73,6	73,8	74,0	74,2	74,4	74,6	74,7	74,9	75,1	75,3	75,5	75,7
IMR	19,1	18,5	17,9	17,3	16,7	16,2	15,8	15,3	14,8	14,3	13,9	13,4	12,9	12,4	12,0	11,5
U5MR	22,3	21,5	20,8	20,0	19,3	18,7	18,1	17,6	17,0	16,4	15,9	15,3	14,7	14,2	13,6	13,0
Life table: Coale-Demeny West																
Immigration																
Male immigration	-6.877	-6.877	-6.877	-6.877	-6.877	-6.877	-6.877	-6.877	-6.877	-6.877	-6.877	-6.877	-6.877	-6.877	-6.877	-6.877
Female immigration	-7.888	-7.888	-7.888	-7.888	-7.888	-7.888	-7.888	-7.888	-7.888	-7.888	-7.888	-7.888	-7.888	-7.888	-7.888	-7.888
Total immigration	-14.765	-14.765	-14.765	-14.765	-14.765	-14.765	-14.765	-14.765	-14.765	-14.765	-14.765	-14.765	-14.765	-14.765	-14.765	-14.765
Vital Rates																
CBR per 1000	19,3	18,7	18,1	17,6	16,9	16,3	15,7	15,0	14,3	13,6	12,8	12,0	11,1	10,2	9,2	8,1
CDR per 1000	7,9	8,0	8,2	8,3	8,5	8,6	8,8	8,9	9,1	9,4	9,7	10,1	10,6	11,1	11,8	12,5
RNI percent	1,14	1,08	1,00	0,92	0,85	0,77	0,69	0,60	0,52	0,41	0,30	0,18	0,05	-0,10	-0,26	-0,44
GR percent	-1,91	-2,04	-2,19	-2,33	-2,49	-2,66	-2,84	-3,03	-3,24	-3,47	-3,73	-4,01	-4,33	-4,68	-5,08	-5,52
Doubling time	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
Annual Births&Deaths																
Births	9.325	8.885	8.410	7.968	7.489	7.007	6.554	6.075	5.625	5.149	4.670	4.209	3.733	3.279	2.814	2.354
Deaths	3.827	3.778	3.792	3.776	3.743	3.702	3.667	3.630	3.597	3.574	3.564	3.565	3.573	3.586	3.601	3.616
Population																
Total population	484.204	474.406	464.120	453.408	442.251	430.652	418.636	406.179	393.305	379.978	366.183	351.927	337.186	321.980	306.294	290.133
Male population	242.016	237.730	233.183	228.412	223.409	218.177	212.729	207.054	201.165	195.041	188.675	182.070	175.214	168.115	160.769	153.178
Female population	242.188	236.677	230.937	224.996	218.842	212.475	205.906	199.124	192.140	184.937	177.508	169.857	161.973	153.865	145.525	136.956
Percent 0-4	8,33	8,40	8,43	8,42	8,37	8,27	7,96	7,65	7,32	6,97	6,61	6,23	5,82	5,38	4,90	4,39
Percent 5-14	18,95	18,28	17,64	17,01	16,43	15,91	15,61	15,34	15,11	14,89	14,68	14,49	14,24	13,92	13,51	12,99
Percent 15-49	51,51	51,39	51,23	51,03	50,75	50,39	49,91	49,31	48,58	47,75	46,82	45,76	44,66	43,51	42,30	41,00
Percent 15-64	64,39	64,73	65,07	65,37	65,63	65,81	65,91	65,91	65,83	65,67	65,46	65,18	64,91	64,64	64,36	64,06
Percent 65 and over	8,33	8,58	8,87	9,19	9,57	10,01	10,52	11,10	11,75	12,46	13,25	14,10	15,03	16,07	17,23	18,55
Percent females 15-49	50,73	50,48	50,20	49,87	49,46	48,96	48,32	47,54	46,60	45,50	44,27	42,85	41,33	39,69	37,93	36,02
Sex ratio	99,93	100,44	100,97	101,52	102,09	102,68	103,31	103,98	104,70	105,46	106,29	107,19	108,17	109,26	110,48	111,84
Dependency ratio	0,55	0,54	0,54	0,53	0,52	0,52	0,52	0,52	0,52	0,52	0,53	0,53	0,54	0,55	0,55	0,56
Median age	28	28	29	30	30	31	32	33	34	35	36	37	39	40	42	44
Urban population	197.300	199.108	200.453	201.359	201.799	201.761	201.238	200.246	198.698	196.601	193.931	190.674	186.801	182.305	177.161	171.382
Rural population	286.904	275.298	263.667	252.050	240.452	228.892	217.397	205.933	194.607	183.378	172.253	161.253	150.385	139.675	129.134	118.751
Percent urban	40,75	41,97	43,19	44,41	45,63	46,85	48,07	49,30	50,52	51,74	52,96	54,18	55,40	56,62	57,84	59,07
Percent rural	59,25	58,03	56,81	55,59	54,37	53,15	51,93	50,70	49,48	48,26	47,04	45,82	44,60	43,38	42,16	40,93

Table D.66.b Age groups and sex distribution for every five years from the population projection of 66-Yozgat province

Population by Age and Sex - Total 66-Yozgat							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	40.354	20.764	19.590	0-4	35.607	18.234	17.372
5-9	43.338	22.078	21.260	5-9	33.286	17.287	15.999
10-14	48.414	24.554	23.860	10-14	35.223	17.856	17.367
15-19	47.877	24.584	23.293	15-19	39.130	20.310	18.819
20-24	40.565	20.833	19.732	20-24	35.778	20.091	15.687
25-29	38.655	19.962	18.693	25-29	29.683	16.044	13.639
30-34	33.727	17.034	16.693	30-34	30.812	15.803	15.009
35-39	31.722	15.745	15.977	35-39	27.326	13.891	13.435
40-44	30.122	15.026	15.096	40-44	27.226	13.459	13.767
45-49	26.759	13.375	13.384	45-49	27.044	13.379	13.665
50-54	23.554	11.836	11.718	50-54	24.413	12.196	12.217
55-59	21.371	10.349	11.022	55-59	21.940	11.058	10.882
60-64	17.429	7.892	9.537	60-64	20.072	9.658	10.414
65-69	13.952	6.309	7.643	65-69	15.890	7.038	8.852
70-74	9.797	4.261	5.536	70-74	11.795	5.210	6.585
75-79	10.434	5.052	5.382	75-79	7.322	3.131	4.191
80+	6.134	2.362	3.772	80+	8.106	3.532	4.574
TOTAL	484.204	242.016	242.188	TOTAL	430.652	218.177	212.475
2018	Total	Male	Female	2023	Total	Male	Female
0-4	24.208	12.398	11.810	0-4	12.744	6.534	6.210
5-9	28.571	14.772	13.799	5-9	17.207	8.955	8.252
10-14	25.192	13.076	12.116	10-14	20.487	10.567	9.920
15-19	25.974	13.633	12.341	15-19	15.966	8.866	7.100
20-24	27.072	15.841	11.231	20-24	13.960	9.191	4.769
25-29	24.929	15.314	9.615	25-29	16.262	11.087	5.175
30-34	21.894	11.910	9.984	30-34	17.169	11.191	5.978
35-39	24.449	12.676	11.773	35-39	15.587	8.810	6.777
40-44	22.891	11.632	11.260	40-44	20.056	10.436	9.621
45-49	24.222	11.849	12.374	45-49	19.969	10.059	9.910
50-54	24.746	12.223	12.523	50-54	22.026	10.747	11.280
55-59	22.840	11.435	11.405	55-59	23.234	11.491	11.743
60-64	20.688	10.357	10.331	60-64	21.637	10.751	10.886
65-69	18.386	8.661	9.725	65-69	19.054	9.335	9.719
70-74	13.569	5.860	7.709	70-74	15.828	7.269	8.559
75-79	8.965	3.878	5.086	75-79	10.465	4.405	6.060
80+	7.587	3.162	4.425	80+	8.482	3.484	4.999
TOTAL	366.183	188.675	177.508	TOTAL	290.133	153.178	136.956

Table D.67.a Summary table for annual results of the population projection of 67-Zonguldak province

67-Zonguldak	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	1,45	1,45	1,44	1,44	1,44	1,43	1,43	1,43	1,42	1,42	1,42	1,41	1,41	1,41	1,40	1,40
GRR	0,71	0,71	0,70	0,70	0,70	0,70	0,70	0,70	0,69	0,69	0,69	0,69	0,69	0,69	0,68	0,68
NRR	0,68	0,68	0,68	0,68	0,68	0,67	0,67	0,67	0,67	0,67	0,67	0,67	0,67	0,67	0,66	0,66
Mean A. Childb.	27,5	27,6	27,6	27,7	27,8	27,9	27,9	28,0	28,1	28,2	28,2	28,3	28,4	28,5	28,5	28,6
Child-woman ratio	0,25	0,25	0,24	0,24	0,23	0,22	0,22	0,22	0,22	0,22	0,21	0,21	0,21	0,20	0,20	0,20
Fertility table: Custom																
Mortality																
Male LE	70,7	70,7	70,9	71,0	71,2	71,3	71,4	71,6	71,7	71,8	72,0	72,1	72,2	72,4	72,5	72,6
Female LE	72,9	73,0	73,1	73,2	73,4	73,5	73,7	73,8	74,0	74,1	74,3	74,4	74,6	74,7	74,9	75,0
Total LE	71,8	71,9	72,0	72,1	72,3	72,4	72,6	72,7	72,8	73,0	73,1	73,3	73,4	73,5	73,7	73,8
IMR	22,7	22,2	21,7	21,2	20,8	20,3	19,9	19,5	19,1	18,7	18,3	17,9	17,4	17,0	16,6	16,2
U5MR	26,9	26,3	25,6	25,0	24,4	23,9	23,4	22,8	22,3	21,8	21,3	20,7	20,2	19,7	19,2	18,7
Life table: Coale-Demeny West																
Immigration																
Male immigration	-597	-597	-597	-597	-597	-597	-597	-597	-597	-597	-597	-597	-597	-597	-597	-597
Female immigration	-1.294	-1.294	-1.294	-1.294	-1.294	-1.294	-1.294	-1.294	-1.294	-1.294	-1.294	-1.294	-1.294	-1.294	-1.294	-1.294
Total immigration	-1.891	-1.891	-1.891	-1.891	-1.891	-1.891	-1.891	-1.891	-1.891	-1.891	-1.891	-1.891	-1.891	-1.891	-1.891	-1.891
Vital Rates																
CBR per 1000	12,2	12,1	11,9	11,7	11,5	11,3	11,0	10,8	10,5	10,3	10,0	9,8	9,5	9,3	9,1	8,9
CDR per 1000	8,3	8,2	8,3	8,4	8,5	8,5	8,5	8,6	8,6	8,7	8,8	8,9	9,1	9,2	9,4	9,6
RNI percent	0,39	0,39	0,36	0,33	0,31	0,28	0,25	0,22	0,19	0,16	0,12	0,08	0,05	0,01	-0,03	-0,07
GR percent	0,09	0,08	0,05	0,03	0,00	-0,03	-0,05	-0,08	-0,12	-0,15	-0,18	-0,22	-0,26	-0,30	-0,34	-0,38
Doubling time	787,0	821,4	1362,2	2588,4	22014,9	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
Annual Births&Deaths																
Births	7.552	7.491	7.360	7.264	7.153	6.979	6.843	6.698	6.500	6.347	6.195	6.002	5.858	5.720	5.552	5.433
Deaths	5.115	5.077	5.154	5.207	5.242	5.266	5.291	5.315	5.342	5.380	5.430	5.492	5.565	5.647	5.735	5.829
Population																
Total population	619.149	619.713	620.069	620.275	620.336	620.198	619.900	619.433	618.741	617.858	616.773	615.434	613.878	612.102	610.069	607.824
Male population	304.997	305.819	306.528	307.152	307.693	308.124	308.465	308.710	308.832	308.848	308.753	308.521	308.172	307.705	307.101	306.383
Female population	314.152	313.894	313.541	313.123	312.642	312.074	311.435	310.723	309.909	309.010	308.020	306.913	305.706	304.397	302.969	301.441
Percent 0-4	7,01	6,85	6,66	6,45	6,21	5,93	5,83	5,73	5,62	5,50	5,39	5,27	5,15	5,04	4,94	4,83
Percent 5-14	14,64	14,48	14,37	14,30	14,27	14,28	14,10	13,92	13,73	13,54	13,33	13,11	12,86	12,57	12,24	11,87
Percent 15-49	55,14	54,79	54,42	54,04	53,66	53,32	53,01	52,74	52,49	52,26	52,04	51,81	51,61	51,42	51,25	51,09
Percent 15-64	70,36	70,61	70,84	71,03	71,16	71,25	71,28	71,27	71,21	71,13	71,02	70,89	70,77	70,66	70,57	70,50
Percent 65 and over	8,00	8,06	8,13	8,22	8,35	8,54	8,79	9,09	9,44	9,83	10,26	10,73	11,22	11,73	12,26	12,80
Percent females 15-49	54,97	54,55	54,09	53,61	53,13	52,66	52,21	51,79	51,39	51,01	50,63	50,28	49,96	49,66	49,40	49,16
Sex ratio	97,09	97,43	97,76	98,09	98,42	98,73	99,05	99,35	99,65	99,95	100,24	100,52	100,81	101,09	101,36	101,64
Dependency ratio	0,42	0,42	0,41	0,41	0,41	0,40	0,40	0,40	0,40	0,41	0,41	0,41	0,41	0,42	0,42	0,42
Median age	32	32	33	33	34	34	35	35	36	36	37	37	38	38	39	39
Urban population	306.878	311.282	315.553	319.752	323.939	327.961	331.894	335.733	339.503	343.097	346.565	349.936	353.102	356.121	359.026	361.716
Rural population	312.271	308.431	304.516	300.523	296.396	292.237	288.005	283.700	279.238	274.762	270.208	265.498	260.775	255.981	251.043	246.108
Percent urban	49,56	50,23	50,89	51,55	52,22	52,88	53,54	54,20	54,87	55,53	56,19	56,86	57,52	58,18	58,85	59,51
Percent rural	50,44	49,77	49,11	48,45	47,78	47,12	46,46	45,80	45,13	44,47	43,81	43,14	42,48	41,82	41,15	40,49

Table D.67.b Age groups and sex distribution for every five years from the population projection of 67-Zonguldak province

Population by Age and Sex - Total							
67-Zonguldak							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	43.383	22.245	21.138	0-4	36.752	18.725	18.027
5-9	44.419	22.852	21.567	5-9	44.635	22.785	21.850
10-14	46.227	23.422	22.805	10-14	43.936	22.490	21.445
15-19	48.920	24.594	24.326	15-19	43.237	21.733	21.503
20-24	51.602	25.314	26.288	20-24	44.157	22.212	21.945
25-29	55.126	28.016	27.110	25-29	50.738	25.782	24.956
30-34	50.427	25.398	25.029	30-34	56.029	29.226	26.803
35-39	46.271	22.529	23.742	35-39	49.432	25.075	24.357
40-44	43.835	20.831	23.004	40-44	44.957	22.174	22.784
45-49	45.208	22.002	23.206	45-49	42.122	20.132	21.990
50-54	40.608	20.053	20.555	50-54	43.132	20.933	22.199
55-59	31.884	16.295	15.589	55-59	38.440	18.778	19.662
60-64	21.738	10.314	11.424	60-64	29.657	14.964	14.693
65-69	16.783	7.611	9.172	65-69	19.437	9.070	10.367
70-74	12.837	5.674	7.163	70-74	14.112	6.261	7.851
75-79	12.506	5.303	7.203	75-79	9.511	4.075	5.436
80+	7.375	2.544	4.831	80+	9.914	3.709	6.205
TOTAL	619.149	304.997	314.152	TOTAL	620.198	308.124	312.074
2018	Total	Male	Female	2023	Total	Male	Female
0-4	33.248	16.928	16.320	0-4	29.378	14.944	14.435
5-9	38.051	19.287	18.763	5-9	34.574	17.502	17.072
10-14	44.161	22.427	21.734	10-14	37.595	18.939	18.656
15-19	40.963	20.810	20.153	15-19	41.200	20.753	20.447
20-24	38.514	19.372	19.141	20-24	36.264	18.460	17.803
25-29	43.351	22.707	20.644	25-29	37.750	19.889	17.861
30-34	51.694	27.018	24.676	30-34	44.367	23.969	20.398
35-39	55.035	28.896	26.139	35-39	50.759	26.716	24.043
40-44	48.131	24.716	23.415	40-44	53.731	28.526	25.205
45-49	43.280	21.482	21.798	45-49	46.463	24.016	22.446
50-54	40.185	19.147	21.039	50-54	41.383	20.503	20.881
55-59	40.950	19.664	21.286	55-59	38.197	17.998	20.199
60-64	35.918	17.320	18.598	60-64	38.390	18.202	20.188
65-69	26.663	13.253	13.410	65-69	32.463	15.413	17.050
70-74	16.443	7.519	8.924	70-74	22.662	11.052	11.610
75-79	10.566	4.552	6.014	75-79	12.422	5.532	6.890
80+	9.621	3.656	5.965	80+	10.226	3.969	6.257
TOTAL	616.773	308.753	308.020	TOTAL	607.824	306.383	301.441

Table D.68.a Summary table for annual results of the population projection of 68-Aksaray province

68-Aksaray	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	2,49	2,47	2,44	2,42	2,39	2,36	2,34	2,31	2,29	2,26	2,23	2,21	2,18	2,16	2,13	2,10
GRR	1,21	1,20	1,19	1,18	1,17	1,15	1,14	1,13	1,12	1,10	1,09	1,08	1,06	1,05	1,04	1,02
NRR	1,18	1,17	1,16	1,15	1,14	1,12	1,11	1,10	1,09	1,08	1,06	1,06	1,04	1,03	1,02	1,01
Mean A. Childb.	27,0	27,2	27,3	27,4	27,5	27,6	27,7	27,8	27,9	28,0	28,1	28,2	28,3	28,4	28,5	28,6
Child-woman ratio	0,35	0,35	0,35	0,36	0,36	0,36	0,35	0,35	0,34	0,33	0,33	0,33	0,32	0,32	0,31	0,31
Fertility table: Custom																
Mortality																
Male LE	71,9	71,8	72,0	72,1	72,3	72,4	72,6	72,7	72,9	73,1	73,2	73,4	73,5	73,7	73,9	74,0
Female LE	74,1	74,2	74,5	74,8	75,0	75,2	75,5	75,7	75,9	76,1	76,4	76,6	76,8	77,1	77,3	77,6
Total LE	73,0	73,0	73,2	73,4	73,6	73,8	74,0	74,2	74,4	74,6	74,8	75,0	75,1	75,3	75,5	75,7
IMR	19,1	18,5	17,9	17,3	16,7	16,2	15,8	15,3	14,8	14,3	13,9	13,4	12,9	12,4	12,0	11,5
U5MR	22,3	21,5	20,8	20,0	19,3	18,7	18,1	17,6	17,0	16,4	15,9	15,3	14,7	14,2	13,6	13,0
Life table: Coale-Demeny West																
Immigration																
Male immigration	-293	-293	-293	-293	-293	-293	-293	-293	-293	-293	-293	-293	-293	-293	-293	-293
Female immigration	-1.157	-1.157	-1.157	-1.157	-1.157	-1.157	-1.157	-1.157	-1.157	-1.157	-1.157	-1.157	-1.157	-1.157	-1.157	-1.157
Total immigration	-1.450	-1.450	-1.450	-1.450	-1.450	-1.450	-1.450	-1.450	-1.450	-1.450	-1.450	-1.450	-1.450	-1.450	-1.450	-1.450
Vital Rates																
CBR per 1000	21,0	20,6	20,1	19,7	19,2	18,7	18,3	17,9	17,5	17,1	16,7	16,3	15,9	15,6	15,2	14,8
CDR per 1000	6,3	6,2	6,2	6,2	6,2	6,1	6,1	6,2	6,2	6,2	6,2	6,2	6,3	6,3	6,4	6,4
RNI percent	1,46	1,44	1,39	1,35	1,30	1,26	1,22	1,17	1,14	1,09	1,05	1,01	0,97	0,93	0,88	0,84
GR percent	1,07	1,05	1,01	0,97	0,93	0,88	0,85	0,81	0,77	0,73	0,69	0,65	0,61	0,58	0,53	0,49
Doubling time	64,9	66,3	69,3	71,8	75,2	78,9	82,1	86,3	90,1	95,2	101,0	106,5	113,8	120,7	130,1	141,3
Annual Births&Deaths																
Births	7.773	7.701	7.592	7.509	7.393	7.276	7.190	7.072	6.984	6.862	6.738	6.641	6.513	6.417	6.291	6.164
Deaths	2.347	2.316	2.337	2.356	2.373	2.392	2.412	2.433	2.455	2.479	2.505	2.533	2.562	2.595	2.630	2.669
Population																
Total population	370.598	374.522	378.316	382.008	385.567	388.990	392.307	395.486	398.553	401.475	404.248	406.895	409.385	411.747	413.947	415.982
Male population	183.954	186.463	188.902	191.284	193.596	195.837	198.022	200.135	202.190	204.168	206.067	207.899	209.648	211.327	212.919	214.423
Female population	186.644	188.059	189.414	190.724	191.970	193.152	194.285	195.350	196.363	197.307	198.180	198.995	199.737	200.420	201.028	201.559
Percent 0-4	9,32	9,37	9,39	9,41	9,40	9,38	9,18	8,98	8,78	8,60	8,41	8,23	8,05	7,87	7,69	7,52
Percent 5-14	19,70	19,27	18,82	18,37	17,95	17,57	17,40	17,25	17,12	16,99	16,86	16,77	16,66	16,54	16,41	16,26
Percent 15-49	53,32	53,46	53,61	53,76	53,88	53,96	53,98	53,94	53,87	53,75	53,61	53,40	53,18	52,95	52,72	52,49
Percent 15-64	64,62	64,93	65,25	65,58	65,88	66,14	66,35	66,52	66,66	66,78	66,91	67,00	67,11	67,22	67,34	67,45
Percent 65 and over	6,36	6,44	6,53	6,64	6,77	6,91	7,07	7,25	7,44	7,63	7,82	8,00	8,18	8,37	8,56	8,76
Percent females 15-49	52,88	52,87	52,87	52,87	52,86	52,82	52,74	52,63	52,47	52,27	52,03	51,70	51,34	50,96	50,59	50,23
Sex ratio	98,56	99,15	99,73	100,29	100,85	101,39	101,92	102,45	102,97	103,48	103,98	104,47	104,96	105,44	105,92	106,38
Dependency ratio	0,55	0,54	0,53	0,52	0,52	0,51	0,51	0,50	0,50	0,50	0,49	0,49	0,49	0,49	0,49	0,48
Median age	27	27	27	28	28	28	28	28	29	29	29	30	30	30	31	31
Urban population	161.321	165.951	170.620	175.265	179.944	184.576	189.249	193.867	198.479	203.106	207.662	212.236	216.728	221.231	225.643	229.997
Rural population	209.277	208.571	207.695	206.743	205.623	204.414	203.058	201.619	200.074	198.369	196.586	194.658	192.657	190.515	188.305	185.986
Percent urban	43,53	44,31	45,10	45,88	46,67	47,45	48,24	49,02	49,80	50,59	51,37	52,16	52,94	53,73	54,51	55,29
Percent rural	56,47	55,69	54,90	54,12	53,33	52,55	51,76	50,98	50,20	49,41	48,63	47,84	47,06	46,27	45,49	44,71

Table D.68.b Age groups and sex distribution for every five years from the population projection of 68-Aksaray province

Population by Age and Sex - Total							
68-Aksaray							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	34.537	17.820	16.717	0-4	36.480	18.704	17.775
5-9	35.831	18.239	17.592	5-9	33.680	17.449	16.231
10-14	37.180	18.986	18.194	10-14	34.666	17.618	17.047
15-19	34.228	17.571	16.657	15-19	35.749	18.536	17.213
20-24	32.457	16.263	16.194	20-24	33.627	18.280	15.347
25-29	32.864	16.810	16.054	25-29	31.887	16.507	15.380
30-34	29.355	14.664	14.691	30-34	31.717	16.134	15.582
35-39	26.714	13.086	13.628	35-39	28.693	14.496	14.197
40-44	22.836	11.335	11.501	40-44	26.045	12.864	13.181
45-49	19.136	9.163	9.973	45-49	22.168	11.047	11.121
50-54	16.074	7.798	8.276	50-54	18.443	8.835	9.608
55-59	14.393	6.885	7.508	55-59	15.395	7.437	7.959
60-64	11.421	5.118	6.303	60-64	13.564	6.420	7.144
65-69	8.488	3.748	4.740	65-69	10.372	4.563	5.809
70-74	6.614	2.876	3.738	70-74	7.221	3.138	4.083
75-79	4.827	2.225	2.602	75-79	4.973	2.087	2.887
80+	3.643	1.367	2.276	80+	4.309	1.722	2.588
TOTAL	370.598	183.954	186.644	TOTAL	388.990	195.837	193.152
2018	Total	Male	Female	2023	Total	Male	Female
0-4	33.995	17.427	16.569	0-4	31.301	16.045	15.257
5-9	35.636	18.338	17.298	5-9	33.171	17.070	16.101
10-14	32.525	16.832	15.692	10-14	34.484	17.723	16.761
15-19	33.250	17.176	16.074	15-19	31.121	16.397	14.724
20-24	35.159	19.249	15.910	20-24	32.680	17.901	14.779
25-29	33.070	18.525	14.545	25-29	34.615	19.500	15.115
30-34	30.764	15.842	14.922	30-34	31.961	17.861	14.100
35-39	31.067	15.969	15.098	35-39	30.142	15.688	14.454
40-44	28.039	14.275	13.764	40-44	30.427	15.750	14.677
45-49	25.374	12.571	12.803	45-49	27.385	13.983	13.402
50-54	21.455	10.695	10.760	50-54	24.653	12.209	12.444
55-59	17.739	8.456	9.283	55-59	20.714	10.274	10.440
60-64	14.572	6.960	7.611	60-64	16.872	7.948	8.923
65-69	12.384	5.756	6.629	65-69	13.387	6.273	7.115
70-74	8.907	3.845	5.061	70-74	10.714	4.876	5.838
75-79	5.509	2.306	3.202	75-79	6.894	2.862	4.033
80+	4.803	1.845	2.958	80+	5.461	2.063	3.398
TOTAL	404.248	206.067	198.180	TOTAL	415.982	214.423	201.559

Table D.69.a Summary table for annual results of the population projection of 69-Bayburt province

69-Bayburt	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	2,48	2,48	2,47	2,47	2,46	2,46	2,45	2,45	2,44	2,43	2,43	2,42	2,42	2,41	2,41	2,40
GRR	1,21	1,21	1,20	1,20	1,20	1,20	1,20	1,20	1,19	1,19	1,19	1,18	1,18	1,18	1,18	1,17
NRR	1,14	1,14	1,14	1,14	1,13	1,13	1,13	1,13	1,13	1,12	1,12	1,12	1,12	1,12	1,12	1,12
Mean A. Childb.	29,1	29,0	29,0	29,0	28,9	28,9	28,9	28,8	28,8	28,8	28,8	28,7	28,7	28,7	28,6	28,6
Child-woman ratio	0,38	0,37	0,36	0,35	0,33	0,32	0,31	0,31	0,30	0,30	0,29	0,28	0,28	0,27	0,26	0,25
Fertility table: Custom																
Mortality																
Male LE	67,9	68,0	68,1	68,2	68,3	68,4	68,5	68,6	68,7	68,8	68,9	69,0	69,1	69,2	69,3	69,4
Female LE	71,2	71,2	71,4	71,4	71,6	71,7	71,7	71,9	72,0	72,1	72,2	72,3	72,4	72,5	72,6	72,7
Total LE	69,5	69,6	69,7	69,8	69,9	69,9	70,0	70,1	70,2	70,3	70,4	70,5	70,6	70,7	70,8	70,9
IMR	37,7	37,3	36,8	36,4	35,9	35,5	35,0	34,6	34,1	33,7	33,2	32,8	32,3	31,9	31,4	31,0
U5MR	43,6	43,1	42,5	41,9	41,4	40,8	40,3	39,7	39,2	38,6	38,1	37,6	37,0	36,5	35,9	35,3
Life table: Coale-Demeny East																
Immigration																
Male immigration	-858	-858	-858	-858	-858	-858	-858	-858	-858	-858	-858	-858	-858	-858	-858	-858
Female immigration	-1.095	-1.095	-1.095	-1.095	-1.095	-1.095	-1.095	-1.095	-1.095	-1.095	-1.095	-1.095	-1.095	-1.095	-1.095	-1.095
Total immigration	-1.953	-1.953	-1.953	-1.953	-1.953	-1.953	-1.953	-1.953	-1.953	-1.953	-1.953	-1.953	-1.953	-1.953	-1.953	-1.953
Vital Rates																
CBR per 1000	18,3	17,9	17,4	16,9	16,3	15,8	15,2	14,6	14,0	13,3	12,7	11,9	11,3	10,5	9,7	8,9
CDR per 1000	10,0	10,1	10,3	10,4	10,4	10,5	10,6	10,7	10,8	11,0	11,3	11,6	12,0	12,5	13,0	13,5
RNI percent	0,83	0,78	0,71	0,65	0,59	0,53	0,46	0,39	0,31	0,23	0,14	0,03	-0,08	-0,20	-0,32	-0,47
GR percent	-1,75	-1,85	-1,97	-2,09	-2,22	-2,34	-2,48	-2,63	-2,79	-2,97	-3,16	-3,38	-3,61	-3,87	-4,15	-4,47
Doubling time	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
Annual Births&Deaths																
Births	1.386	1.328	1.263	1.203	1.136	1.074	1.007	944	878	812	749	684	621	557	496	434
Deaths	758	752	748	740	728	715	703	692	681	673	667	664	663	662	662	661
Population																
Total population	75.673	74.271	72.809	71.294	69.725	68.106	66.432	64.707	62.927	61.089	59.193	57.235	55.216	53.134	50.992	48.788
Male population	38.743	38.176	37.577	36.951	36.297	35.616	34.908	34.173	33.410	32.617	31.795	30.941	30.055	29.138	28.189	27.208
Female population	36.930	36.095	35.232	34.343	33.428	32.490	31.524	30.534	29.517	28.471	27.398	26.294	25.161	23.996	22.803	21.580
Percent 0-4	9,19	8,92	8,63	8,31	7,95	7,55	7,28	7,00	6,71	6,40	6,08	5,75	5,40	5,03	4,65	4,24
Percent 5-14	18,82	18,45	18,01	17,55	17,11	16,74	16,28	15,87	15,48	15,08	14,65	14,05	13,40	12,67	11,86	10,95
Percent 15-49	52,21	52,32	52,47	52,61	52,70	52,66	52,50	52,21	51,80	51,31	50,74	50,21	49,61	48,95	48,27	47,60
Percent 15-64	63,01	63,55	64,18	64,85	65,51	66,10	66,60	67,03	67,39	67,70	67,99	68,35	68,69	69,03	69,39	69,79
Percent 65 and over	8,98	9,08	9,18	9,30	9,44	9,61	9,83	10,10	10,42	10,81	11,28	11,85	12,51	13,26	14,10	15,03
Percent females 15-49	50,16	50,02	49,92	49,82	49,63	49,31	48,83	48,19	47,39	46,44	45,34	44,24	42,95	41,51	39,93	38,26
Sex ratio	104,91	105,77	106,66	107,59	108,58	109,62	110,73	111,92	113,19	114,56	116,05	117,67	119,45	121,43	123,62	126,08
Dependency ratio	0,59	0,57	0,56	0,54	0,53	0,51	0,50	0,49	0,48	0,48	0,47	0,46	0,46	0,45	0,44	0,43
Median age	26	27	27	28	28	29	29	30	31	32	33	34	35	36	38	39
Urban population	32.018	31.550	31.168	30.869	30.647	30.494	30.292	30.043	29.741	29.384	28.970	28.495	27.958	27.356	26.689	25.954
Rural population	43.655	42.722	41.641	40.425	39.078	37.612	36.139	34.664	33.186	31.705	30.223	28.740	27.258	25.778	24.303	22.834
Percent urban	42,31	42,48	42,81	43,30	43,95	44,77	45,60	46,43	47,26	48,10	48,94	49,79	50,63	51,49	52,34	53,20
Percent rural	57,69	57,52	57,19	56,70	56,05	55,23	54,40	53,57	52,74	51,90	51,06	50,21	49,37	48,51	47,66	46,80

Table D.69.b Age groups and sex distribution for every five years from the population projection of 69-Bayburt province

Population by Age and Sex - Total							
69-Bayburt							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	6.954	3.538	3.416	0-4	5.143	2.618	2.526
5-9	6.688	3.467	3.221	5-9	5.753	2.930	2.823
10-14	7.557	3.850	3.707	10-14	5.647	2.926	2.720
15-19	7.250	3.821	3.429	15-19	6.786	3.534	3.253
20-24	7.763	4.545	3.218	20-24	6.008	3.635	2.372
25-29	5.978	3.208	2.770	25-29	6.064	4.067	1.998
30-34	5.259	2.755	2.504	30-34	4.352	2.361	1.991
35-39	5.118	2.520	2.598	35-39	4.080	2.011	2.069
40-44	4.391	2.245	2.146	40-44	4.502	2.154	2.349
45-49	3.751	1.892	1.859	45-49	4.074	2.085	1.989
50-54	3.334	1.635	1.699	50-54	3.543	1.766	1.777
55-59	2.577	1.253	1.324	55-59	3.147	1.503	1.644
60-64	2.258	1.026	1.232	60-64	2.458	1.174	1.284
65-69	2.185	938	1.247	65-69	2.113	966	1.147
70-74	1.513	690	823	70-74	1.845	782	1.063
75-79	1.842	896	946	75-79	1.088	471	617
80+	1.255	464	791	80+	1.502	634	869
TOTAL	75.673	38.743	36.930	TOTAL	68.106	35.616	32.490
2018	Total	Male	Female	2023	Total	Male	Female
0-4	3.602	1.830	1.772	0-4	2.067	1.045	1.023
5-9	3.955	2.016	1.938	5-9	2.422	1.233	1.189
10-14	4.714	2.391	2.323	10-14	2.920	1.480	1.441
15-19	4.883	2.614	2.269	15-19	3.954	2.081	1.873
20-24	5.548	3.351	2.197	20-24	3.654	2.437	1.217
25-29	4.321	3.165	1.156	25-29	3.866	2.884	982
30-34	4.438	3.214	1.224	30-34	2.708	2.321	387
35-39	3.182	1.622	1.561	35-39	3.268	2.469	799
40-44	3.478	1.652	1.826	40-44	2.592	1.269	1.323
45-49	4.187	1.996	2.190	45-49	3.181	1.505	1.675
50-54	3.861	1.955	1.906	50-54	3.975	1.871	2.105
55-59	3.351	1.629	1.722	55-59	3.659	1.810	1.849
60-64	2.995	1.406	1.589	60-64	3.190	1.524	1.666
65-69	2.297	1.098	1.199	65-69	2.786	1.304	1.482
70-74	1.788	807	981	70-74	1.950	918	1.032
75-79	1.341	541	801	75-79	1.303	561	742
80+	1.252	507	744	80+	1.292	496	796
TOTAL	59.193	31.795	27.398	TOTAL	48.788	27.208	21.580

Table D.70.a Summary table for annual results of the population projection of 70-Karaman province

70-Karaman	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	2,42	2,39	2,37	2,34	2,31	2,29	2,26	2,24	2,21	2,18	2,16	2,13	2,11	2,08	2,05	2,03
GRR	1,18	1,17	1,16	1,14	1,13	1,12	1,10	1,09	1,08	1,06	1,05	1,04	1,03	1,01	1,00	0,99
NRR	1,14	1,13	1,12	1,11	1,10	1,09	1,08	1,07	1,05	1,04	1,03	1,02	1,01	1,00	0,98	0,97
Mean A. Childb.	27,0	27,2	27,3	27,4	27,5	27,6	27,7	27,8	27,9	28,0	28,1	28,2	28,3	28,4	28,5	28,6
Child-woman ratio	0,32	0,32	0,33	0,34	0,34	0,35	0,34	0,34	0,33	0,33	0,33	0,32	0,32	0,32	0,31	0,31
Fertility table: Custom																
Mortality																
Male LE	71,9	71,8	72,0	72,1	72,3	72,4	72,6	72,7	72,9	73,1	73,2	73,4	73,5	73,7	73,9	74,0
Female LE	74,1	74,2	74,5	74,8	75,0	75,2	75,5	75,7	75,9	76,1	76,4	76,6	76,8	77,1	77,3	77,6
Total LE	73,0	73,0	73,2	73,5	73,7	73,8	74,0	74,2	74,4	74,6	74,8	75,0	75,2	75,4	75,6	75,8
IMR	19,1	18,5	17,9	17,3	16,7	16,2	15,8	15,3	14,8	14,3	13,9	13,4	12,9	12,4	12,0	11,5
U5MR	22,3	21,5	20,8	20,0	19,3	18,7	18,1	17,6	17,0	16,4	15,9	15,3	14,7	14,2	13,6	13,0
Life table: Coale-Demeny West																
Immigration																
Male immigration	442	442	442	442	442	442	442	442	442	442	442	442	442	442	442	442
Female immigration	317	317	317	317	317	317	317	317	317	317	317	317	317	317	317	317
Total immigration	759	759	759	759	759	759	759	759	759	759	759	759	759	759	759	759
Vital Rates																
CBR per 1000	19,6	19,3	19,0	18,6	18,2	18,0	17,6	17,4	17,0	16,7	16,4	16,1	15,8	15,5	15,1	14,9
CDR per 1000	8,3	8,1	8,0	7,9	7,8	7,6	7,5	7,4	7,3	7,2	7,1	7,1	7,0	7,0	7,0	7,0
RNI percent	1,13	1,12	1,10	1,07	1,05	1,03	1,01	1,00	0,97	0,95	0,93	0,90	0,88	0,85	0,82	0,79
GR percent	1,46	1,44	1,42	1,39	1,36	1,34	1,31	1,29	1,27	1,24	1,22	1,19	1,16	1,13	1,09	1,07
Doubling time	47,7	48,4	49,3	50,4	51,4	52,1	53,1	53,9	55,0	56,2	57,3	58,8	60,1	61,8	63,8	65,4
Annual Births&Deaths																
Births	4.521	4.499	4.494	4.469	4.443	4.436	4.410	4.402	4.372	4.339	4.324	4.284	4.262	4.220	4.175	4.147
Deaths	1.911	1.890	1.898	1.898	1.894	1.889	1.883	1.879	1.875	1.874	1.877	1.884	1.893	1.906	1.921	1.939
Population																
Total population	230.144	233.528	236.899	240.244	243.567	246.889	250.190	253.487	256.758	259.998	263.218	266.393	269.537	272.625	275.653	278.635
Male population	114.229	116.039	117.839	119.624	121.395	123.164	124.918	126.668	128.402	130.117	131.819	133.495	135.151	136.775	138.364	139.928
Female population	115.915	117.489	119.060	120.620	122.172	123.726	125.272	126.819	128.356	129.881	131.399	132.898	134.386	135.850	137.288	138.708
Percent 0-4	8,34	8,54	8,71	8,85	8,97	9,07	8,92	8,78	8,63	8,49	8,35	8,21	8,06	7,92	7,78	7,64
Percent 5-14	18,27	17,86	17,43	17,00	16,61	16,27	16,23	16,23	16,24	16,27	16,29	16,34	16,38	16,40	16,40	16,39
Percent 15-49	52,60	52,68	52,78	52,87	52,93	52,92	52,84	52,70	52,50	52,27	52,02	51,71	51,40	51,09	50,80	50,53
Percent 15-64	64,75	65,08	65,44	65,81	66,14	66,39	66,58	66,68	66,74	66,77	66,77	66,72	66,67	66,62	66,58	66,53
Percent 65 and over	8,64	8,52	8,42	8,34	8,28	8,26	8,27	8,31	8,38	8,48	8,60	8,73	8,89	9,06	9,25	9,45
Percent females 15-49	52,20	52,24	52,31	52,38	52,42	52,40	52,30	52,14	51,93	51,69	51,42	51,09	50,76	50,45	50,15	49,87
Sex ratio	98,55	98,77	98,98	99,17	99,36	99,55	99,72	99,88	100,04	100,18	100,32	100,45	100,57	100,68	100,78	100,88
Dependency ratio	0,54	0,54	0,53	0,52	0,51	0,51	0,50	0,50	0,50	0,50	0,50	0,50	0,50	0,50	0,50	0,50
Median age	29	29	29	29	30	30	30	30	30	31	31	31	31	32	32	32
Urban population	127.193	131.733	136.312	140.975	145.702	150.504	155.368	160.305	165.301	170.351	175.461	180.614	185.818	191.028	196.292	201.593
Rural population	102.951	101.795	100.587	99.269	97.865	96.385	94.822	93.182	91.457	89.647	87.757	85.779	83.718	81.597	79.360	77.043
Percent urban	55,27	56,41	57,54	58,68	59,82	60,96	62,10	63,24	64,38	65,52	66,66	67,80	68,94	70,07	71,21	72,35
Percent rural	44,73	43,59	42,46	41,32	40,18	39,04	37,90	36,76	35,62	34,48	33,34	32,20	31,06	29,93	28,79	27,65

Table D.70.b Age groups and sex distribution for every five years from the population projection of 70-Karaman province

Population by Age and Sex - Total							
70-Karaman							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	19.204	9.880	9.324	0-4	22.399	11.479	10.920
5-9	20.212	10.221	9.991	5-9	19.710	10.142	9.568
10-14	21.826	11.173	10.653	10-14	20.465	10.346	10.119
15-19	19.900	10.114	9.786	15-19	21.913	11.057	10.856
20-24	19.662	9.554	10.108	20-24	19.809	10.008	9.801
25-29	18.825	9.652	9.173	25-29	19.665	9.809	9.855
30-34	17.367	8.642	8.725	30-34	19.112	9.819	9.293
35-39	16.894	8.491	8.403	35-39	17.755	8.881	8.874
40-44	15.171	7.498	7.673	40-44	17.140	8.713	8.427
45-49	13.244	6.600	6.644	45-49	15.264	7.543	7.722
50-54	11.268	5.518	5.750	50-54	13.140	6.549	6.591
55-59	9.312	4.554	4.758	55-59	11.071	5.351	5.720
60-64	7.368	3.352	4.016	60-64	9.051	4.379	4.672
65-69	6.222	2.864	3.358	65-69	6.871	3.093	3.778
70-74	5.258	2.403	2.855	70-74	5.346	2.430	2.916
75-79	4.852	2.227	2.625	75-79	3.983	1.789	2.195
80+	3.559	1.486	2.073	80+	4.195	1.774	2.421
TOTAL	230.144	114.229	115.915	TOTAL	246.889	123.164	123.726
2018	Total	Male	Female	2023	Total	Male	Female
0-4	21.972	11.256	10.716	0-4	21.280	10.899	10.381
5-9	22.907	11.741	11.166	5-9	22.490	11.523	10.967
10-14	19.968	10.269	9.699	10-14	23.165	11.868	11.298
15-19	20.561	10.235	10.326	15-19	20.069	10.161	9.909
20-24	21.825	10.952	10.874	20-24	20.485	10.136	10.349
25-29	19.822	10.266	9.555	25-29	21.843	11.212	10.631
30-34	19.961	9.981	9.980	30-34	20.130	10.442	9.687
35-39	19.506	10.058	9.448	35-39	20.367	10.226	10.141
40-44	18.014	9.108	8.906	40-44	19.773	10.285	9.487
45-49	17.233	8.752	8.481	45-49	18.123	9.154	8.970
50-54	15.150	7.484	7.666	50-54	17.116	8.683	8.432
55-59	12.915	6.358	6.557	55-59	14.907	7.277	7.630
60-64	10.757	5.142	5.615	60-64	12.557	6.109	6.448
65-69	8.446	4.032	4.413	65-69	10.069	4.742	5.327
70-74	5.957	2.643	3.315	70-74	7.367	3.454	3.913
75-79	4.109	1.830	2.279	75-79	4.645	2.011	2.634
80+	4.114	1.712	2.403	80+	4.248	1.745	2.504
TOTAL	263.218	131.819	131.399	TOTAL	278.635	139.928	138.708

Table D.71.a Summary table for annual results of the population projection of 71-Kırıkkale province

71-Kırıkkale	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	2,06	2,05	2,04	2,03	2,02	2,00	1,99	1,98	1,97	1,96	1,95	1,94	1,93	1,92	1,91	1,90
GRR	1,00	1,00	1,00	0,99	0,99	0,98	0,97	0,97	0,96	0,96	0,95	0,95	0,94	0,94	0,93	0,93
NRR	0,97	0,97	0,97	0,96	0,96	0,95	0,95	0,94	0,94	0,94	0,93	0,93	0,92	0,92	0,92	0,91
Mean A. Childb.	27,0	27,2	27,3	27,4	27,5	27,6	27,7	27,8	27,9	28,0	28,1	28,2	28,3	28,4	28,5	28,6
Child-woman ratio	0,26	0,27	0,28	0,28	0,29	0,29	0,28	0,28	0,27	0,26	0,26	0,25	0,25	0,24	0,24	0,23
Fertility table: Custom																
Mortality																
Male LE	71,9	71,8	72,0	72,1	72,3	72,4	72,6	72,7	72,9	73,1	73,2	73,4	73,5	73,7	73,9	74,0
Female LE	74,1	74,2	74,5	74,8	75,0	75,2	75,5	75,7	75,9	76,1	76,4	76,6	76,8	77,1	77,3	77,6
Total LE	73,0	73,0	73,2	73,4	73,7	73,8	74,0	74,2	74,4	74,6	74,8	75,0	75,2	75,4	75,6	75,8
IMR	19,1	18,5	17,9	17,3	16,7	16,2	15,8	15,3	14,8	14,3	13,9	13,4	12,9	12,4	12,0	11,5
U5MR	22,3	21,5	20,8	20,0	19,3	18,7	18,1	17,6	17,0	16,4	15,9	15,3	14,7	14,2	13,6	13,0
Life table: Coale-Demeny West																
Immigration																
Male immigration	-2.760	-2.760	-2.760	-2.760	-2.760	-2.760	-2.760	-2.760	-2.760	-2.760	-2.760	-2.760	-2.760	-2.760	-2.760	-2.760
Female immigration	-2.485	-2.485	-2.485	-2.485	-2.485	-2.485	-2.485	-2.485	-2.485	-2.485	-2.485	-2.485	-2.485	-2.485	-2.485	-2.485
Total immigration	-5.245	-5.245	-5.245	-5.245	-5.245	-5.245	-5.245	-5.245	-5.245	-5.245	-5.245	-5.245	-5.245	-5.245	-5.245	-5.245
Vital Rates																
CBR per 1000	16,0	15,6	15,1	14,7	14,2	13,7	13,2	12,7	12,2	11,7	11,2	10,7	10,2	9,6	9,1	8,6
CDR per 1000	7,8	7,8	8,0	8,1	8,3	8,4	8,6	8,8	9,0	9,2	9,5	9,8	10,1	10,5	11,0	11,4
RNI percent	0,82	0,78	0,72	0,66	0,59	0,53	0,46	0,39	0,32	0,25	0,17	0,09	0,00	-0,09	-0,18	-0,28
GR percent	-1,06	-1,12	-1,21	-1,29	-1,38	-1,48	-1,57	-1,68	-1,78	-1,90	-2,02	-2,15	-2,29	-2,43	-2,59	-2,75
Doubling time	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
Annual Births&Deaths																
Births	4.470	4.301	4.129	3.956	3.779	3.582	3.403	3.222	3.043	2.864	2.686	2.506	2.329	2.157	1.989	1.827
Deaths	2.180	2.152	2.176	2.190	2.199	2.205	2.214	2.223	2.235	2.250	2.271	2.297	2.326	2.357	2.389	2.422
Population																
Total population	279.325	276.202	272.884	269.378	265.687	261.793	257.710	253.438	248.976	244.319	239.463	234.401	229.134	223.664	217.993	212.128
Male population	139.909	138.262	136.511	134.661	132.716	130.667	128.519	126.274	123.930	121.485	118.934	116.274	113.505	110.628	107.645	104.559
Female population	139.416	137.940	136.373	134.716	132.970	131.126	129.191	127.164	125.046	122.835	120.529	118.127	115.629	113.035	110.348	107.569
Percent 0-4	6,99	7,11	7,18	7,22	7,21	7,15	6,93	6,70	6,46	6,22	5,98	5,74	5,49	5,23	4,98	4,72
Percent 5-14	16,72	16,29	15,88	15,51	15,17	14,88	14,75	14,62	14,50	14,38	14,27	14,24	14,18	14,06	13,89	13,66
Percent 15-49	53,74	53,20	52,61	51,98	51,31	50,60	49,84	49,03	48,17	47,25	46,29	45,19	44,08	42,97	41,89	40,83
Percent 15-64	68,10	68,14	68,16	68,16	68,12	68,05	67,93	67,74	67,51	67,23	66,91	66,45	66,01	65,56	65,10	64,62
Percent 65 and over	8,18	8,47	8,78	9,12	9,49	9,92	10,40	10,94	11,53	12,17	12,85	13,57	14,33	15,15	16,04	17,01
Percent females 15-49	52,90	52,36	51,78	51,17	50,53	49,86	49,15	48,40	47,59	46,73	45,80	44,71	43,61	42,49	41,38	40,30
Sex ratio	100,35	100,23	100,10	99,96	99,81	99,65	99,48	99,30	99,11	98,90	98,68	98,43	98,16	97,87	97,55	97,20
Dependency ratio	0,47	0,47	0,47	0,47	0,47	0,47	0,47	0,48	0,48	0,49	0,49	0,50	0,51	0,53	0,54	0,55
Median age	30	31	32	33	33	34	35	36	37	38	38	39	40	42	43	44
Urban population	192.341	191.795	191.073	190.154	189.089	187.836	186.402	184.757	182.947	180.943	178.735	176.317	173.661	170.812	167.746	164.463
Rural population	86.984	84.407	81.811	79.224	76.597	73.956	71.308	68.682	66.028	63.376	60.728	58.085	55.473	52.852	50.247	47.665
Percent urban	68,86	69,44	70,02	70,59	71,17	71,75	72,33	72,90	73,48	74,06	74,64	75,22	75,79	76,37	76,95	77,53
Percent rural	31,14	30,56	29,98	29,41	28,83	28,25	27,67	27,10	26,52	25,94	25,36	24,78	24,21	23,63	23,05	22,47

Table D.71.b Age groups and sex distribution for every five years from the population projection of 71-Kırıkkale province

Population by Age and Sex - Total							
71-Kırıkkale							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	19.538	9.996	9.542	0-4	18.729	9.636	9.093
5-9	22.201	11.430	10.771	5-9	18.205	9.335	8.870
10-14	24.506	12.577	11.929	10-14	20.740	10.521	10.219
15-19	25.470	13.126	12.344	15-19	22.328	11.542	10.786
20-24	24.931	13.051	11.880	20-24	18.490	9.858	8.633
25-29	21.445	11.208	10.237	25-29	17.304	8.806	8.498
30-34	18.930	9.295	9.635	30-34	18.551	9.279	9.273
35-39	20.273	9.834	10.439	35-39	17.559	8.612	8.948
40-44	20.374	10.353	10.021	40-44	19.144	9.294	9.850
45-49	18.691	9.497	9.194	45-49	19.096	9.701	9.396
50-54	15.753	7.800	7.953	50-54	17.542	8.847	8.695
55-59	13.654	6.603	7.051	55-59	15.155	7.431	7.724
60-64	10.701	4.994	5.707	60-64	12.984	6.241	6.742
65-69	8.297	3.817	4.480	65-69	9.827	4.547	5.280
70-74	5.848	2.482	3.366	70-74	7.230	3.300	3.930
75-79	5.281	2.521	2.760	75-79	4.520	1.880	2.639
80+	3.432	1.325	2.107	80+	4.390	1.839	2.551
TOTAL	279.325	139.909	139.416	TOTAL	261.793	130.667	131.126
2018	Total	Male	Female	2023	Total	Male	Female
0-4	14.322	7.378	6.943	0-4	10.007	5.171	4.837
5-9	17.408	8.980	8.428	5-9	13.017	6.731	6.285
10-14	16.754	8.431	8.322	10-14	15.960	8.078	7.882
15-19	18.575	9.493	9.082	15-19	14.600	7.410	7.190
20-24	15.367	8.284	7.083	20-24	11.631	6.246	5.385
25-29	10.896	5.630	5.265	25-29	7.788	4.066	3.723
30-34	14.438	6.892	7.546	30-34	8.059	3.732	4.327
35-39	17.198	8.601	8.596	35-39	13.114	6.230	6.883
40-44	16.470	8.089	8.381	40-44	16.128	8.086	8.042
45-49	17.910	8.667	9.243	45-49	15.291	7.488	7.802
50-54	17.976	9.062	8.914	50-54	16.850	8.066	8.784
55-59	16.929	8.458	8.471	55-59	17.401	8.688	8.713
60-64	14.459	7.040	7.419	60-64	16.207	8.033	8.174
65-69	11.969	5.691	6.278	65-69	13.397	6.441	6.956
70-74	8.604	3.933	4.670	70-74	10.528	4.926	5.602
75-79	5.635	2.511	3.124	75-79	6.771	3.009	3.762
80+	4.554	1.792	2.762	80+	5.379	2.158	3.221
TOTAL	239.463	118.934	120.529	TOTAL	212.128	104.559	107.569

Table D.72.a Summary table for annual results of the population projection of 72-Batman province

72-Batman	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	4,36	4,28	4,20	4,12	4,04	3,97	3,89	3,81	3,73	3,65	3,57	3,49	3,41	3,33	3,25	3,17
GRR	2,13	2,09	2,05	2,01	1,97	1,94	1,90	1,86	1,82	1,78	1,74	1,70	1,66	1,62	1,59	1,55
NRR	2,02	1,99	1,95	1,92	1,88	1,85	1,81	1,78	1,74	1,71	1,67	1,63	1,60	1,56	1,53	1,49
Mean A. Childb.	29,4	29,3	29,3	29,2	29,2	29,1	29,1	29,0	29,0	28,9	28,9	28,8	28,8	28,7	28,7	28,6
Child-woman ratio	0,60	0,60	0,59	0,59	0,59	0,59	0,58	0,57	0,56	0,55	0,55	0,54	0,53	0,52	0,52	0,51
Fertility table: Custom																
Mortality																
Male LE	69,2	69,4	69,5	69,6	69,7	69,8	69,9	70,0	70,2	70,3	70,4	70,5	70,6	70,7	70,8	70,9
Female LE	72,6	72,6	72,7	72,9	73,0	73,1	73,2	73,3	73,4	73,6	73,7	73,8	73,9	74,0	74,2	74,3
Total LE	70,9	71,0	71,1	71,2	71,3	71,4	71,5	71,7	71,8	71,9	72,0	72,1	72,2	72,3	72,4	72,6
IMR	31,7	31,2	30,7	30,2	29,7	29,3	28,8	28,3	27,8	27,3	26,9	26,5	26,0	25,6	25,2	24,8
U5MR	36,2	35,6	35,0	34,4	33,8	33,2	32,7	32,0	31,4	30,8	30,3	29,8	29,3	28,8	28,3	27,8
Life table: Coale-Demeny East																
Immigration																
Male immigration	-1.634	-1.634	-1.634	-1.634	-1.634	-1.634	-1.634	-1.634	-1.634	-1.634	-1.634	-1.634	-1.634	-1.634	-1.634	-1.634
Female immigration	-1.568	-1.568	-1.568	-1.568	-1.568	-1.568	-1.568	-1.568	-1.568	-1.568	-1.568	-1.568	-1.568	-1.568	-1.568	-1.568
Total immigration	-3.202	-3.202	-3.202	-3.202	-3.202	-3.202	-3.202	-3.202	-3.202	-3.202	-3.202	-3.202	-3.202	-3.202	-3.202	-3.202
Vital Rates																
CBR per 1000	32,8	32,4	32,1	31,7	31,3	31,0	30,6	30,2	29,7	29,3	28,9	28,5	28,0	27,5	26,9	26,3
CDR per 1000	5,0	4,8	4,8	4,7	4,7	4,6	4,6	4,5	4,5	4,4	4,4	4,4	4,4	4,3	4,3	4,3
RNI percent	2,78	2,76	2,73	2,70	2,66	2,64	2,60	2,57	2,53	2,49	2,45	2,41	2,36	2,31	2,26	2,20
GR percent	2,12	2,11	2,09	2,08	2,06	2,04	2,02	2,00	1,97	1,94	1,91	1,88	1,85	1,81	1,76	1,71
Doubling time	33,0	33,2	33,4	33,7	34,0	34,3	34,6	35,1	35,5	36,0	36,6	37,2	37,9	38,7	39,7	40,9
Annual Births&Deaths																
Births	15.915	16.076	16.241	16.398	16.541	16.712	16.830	16.939	17.040	17.134	17.214	17.271	17.307	17.310	17.268	17.174
Deaths	2.411	2.396	2.426	2.448	2.466	2.485	2.507	2.527	2.550	2.577	2.612	2.651	2.693	2.737	2.782	2.828
Population																
Total population	485.616	496.086	506.690	517.429	528.293	539.309	550.422	561.624	572.904	584.251	595.643	607.053	618.457	629.819	641.094	652.230
Male population	244.982	250.374	255.829	261.349	266.927	272.580	278.278	284.019	289.798	295.610	301.445	307.287	313.125	318.942	324.711	330.407
Female population	240.634	245.712	250.860	256.080	261.366	266.730	272.144	277.605	283.106	288.640	294.198	299.766	305.332	310.878	316.383	321.823
Percent 0-4	14,21	14,26	14,33	14,42	14,54	14,69	14,53	14,37	14,20	14,03	13,85	13,67	13,48	13,29	13,08	12,86
Percent 5-14	28,06	27,50	26,92	26,32	25,71	25,10	24,81	24,55	24,33	24,15	24,01	23,96	23,94	23,94	23,96	24,00
Percent 15-49	48,24	48,73	49,20	49,64	50,06	50,42	50,74	51,02	51,24	51,41	51,53	51,53	51,51	51,46	51,40	51,33
Percent 15-64	54,22	54,77	55,31	55,84	56,35	56,82	57,26	57,65	58,01	58,33	58,61	58,80	58,97	59,13	59,27	59,41
Percent 65 and over	3,50	3,47	3,44	3,41	3,39	3,39	3,40	3,43	3,46	3,49	3,53	3,57	3,61	3,65	3,69	3,74
Percent females 15-49	47,82	48,33	48,83	49,31	49,76	50,17	50,53	50,85	51,11	51,31	51,46	51,47	51,45	51,39	51,32	51,23
Sex ratio	101,81	101,90	101,98	102,06	102,13	102,19	102,25	102,31	102,36	102,41	102,46	102,51	102,55	102,59	102,63	102,67
Dependency ratio	0,84	0,83	0,81	0,79	0,77	0,76	0,75	0,73	0,72	0,71	0,71	0,70	0,70	0,69	0,69	0,68
Median age	18	19	19	19	19	19	20	20	20	20	21	21	21	21	22	22
Urban population	319.724	331.385	343.282	355.525	368.062	380.914	394.047	407.402	421.085	435.033	449.234	463.667	478.253	493.085	508.067	523.154
Rural population	165.892	164.701	163.407	161.903	160.231	158.395	156.375	154.222	151.820	149.218	146.409	143.386	140.204	136.734	133.027	129.076
Percent urban	65,84	66,80	67,75	68,71	69,67	70,63	71,59	72,54	73,50	74,46	75,42	76,38	77,33	78,29	79,25	80,21
Percent rural	34,16	33,20	32,25	31,29	30,33	29,37	28,41	27,46	26,50	25,54	24,58	23,62	22,67	21,71	20,75	19,79

Table D.72.b Age groups and sex distribution for every five years from the population projection of 72-Batman province

Population by Age and Sex - Total							
72-Batman							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	69.025	35.641	33.384	0-4	79.210	40.644	38.566
5-9	70.334	35.892	34.442	5-9	67.758	35.104	32.654
10-14	65.938	33.665	32.273	10-14	67.618	34.468	33.150
15-19	56.344	28.883	27.461	15-19	62.278	31.641	30.636
20-24	41.451	21.276	20.175	20-24	53.641	27.080	26.561
25-29	41.646	20.163	21.483	25-29	40.797	21.054	19.743
30-34	32.626	16.493	16.133	30-34	40.507	20.042	20.464
35-39	26.697	13.871	12.826	35-39	30.461	15.357	15.103
40-44	20.470	10.721	9.749	40-44	24.959	12.897	12.062
45-49	15.046	7.801	7.245	45-49	19.291	10.048	9.243
50-54	11.869	5.888	5.981	50-54	14.172	7.230	6.942
55-59	9.814	4.351	5.463	55-59	11.180	5.454	5.726
60-64	7.354	3.027	4.327	60-64	9.153	3.988	5.165
65-69	6.264	2.726	3.538	65-69	6.669	2.675	3.994
70-74	4.225	1.983	2.242	70-74	5.303	2.248	3.055
75-79	3.659	1.647	2.012	75-79	3.101	1.406	1.695
80+	2.854	954	1.900	80+	3.211	1.242	1.969
TOTAL	485.616	244.982	240.634	TOTAL	539.309	272.580	266.730
2018	Total	Male	Female	2023	Total	Male	Female
0-4	82.520	42.346	40.174	0-4	83.854	43.024	40.830
5-9	77.941	40.109	37.832	5-9	81.278	41.824	39.455
10-14	65.059	33.688	31.370	10-14	75.238	38.691	36.547
15-19	63.967	32.450	31.517	15-19	61.425	31.679	29.747
20-24	59.570	29.835	29.735	20-24	61.271	30.649	30.622
25-29	52.948	26.833	26.115	25-29	58.871	29.583	29.288
30-34	39.677	20.937	18.741	30-34	51.788	26.692	25.096
35-39	38.308	18.890	19.418	35-39	37.500	19.787	17.713
40-44	28.707	14.377	14.329	40-44	36.506	17.886	18.620
45-49	23.732	12.197	11.535	45-49	27.452	13.666	13.786
50-54	18.331	9.422	8.909	50-54	22.691	11.522	11.169
55-59	13.408	6.740	6.668	55-59	17.432	8.841	8.591
60-64	10.439	5.013	5.426	60-64	12.554	6.215	6.338
65-69	8.309	3.532	4.777	65-69	9.481	4.448	5.032
70-74	5.678	2.217	3.461	70-74	7.085	2.933	4.152
75-79	3.927	1.602	2.325	75-79	4.240	1.592	2.648
80+	3.122	1.256	1.866	80+	3.564	1.375	2.189
TOTAL	595.643	301.445	294.198	TOTAL	652.230	330.407	321.823

Table D.73.a Summary table for annual results of the population projection of 73-Şırnak province

73-Şırnak	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	6,06	5,98	5,90	5,82	5,74	5,66	5,58	5,50	5,42	5,35	5,27	5,19	5,11	5,03	4,95	4,87
GRR	2,96	2,92	2,88	2,84	2,80	2,76	2,72	2,68	2,64	2,61	2,57	2,53	2,49	2,45	2,41	2,38
NRR	2,81	2,77	2,74	2,71	2,67	2,64	2,60	2,57	2,53	2,50	2,47	2,43	2,39	2,36	2,32	2,29
Mean A. Childb.	29,4	29,3	29,3	29,2	29,2	29,1	29,1	29,0	29,0	28,9	28,9	28,8	28,8	28,7	28,7	28,6
Child-woman ratio	0,76	0,77	0,78	0,80	0,82	0,84	0,83	0,83	0,82	0,81	0,80	0,79	0,79	0,78	0,77	0,77
Fertility table: Custom																
Mortality																
Male LE	69,2	69,4	69,5	69,6	69,7	69,8	69,9	70,0	70,2	70,3	70,4	70,5	70,6	70,7	70,8	70,9
Female LE	72,6	72,6	72,7	72,9	73,0	73,1	73,2	73,3	73,4	73,6	73,7	73,8	73,9	74,0	74,2	74,3
Total LE	70,8	70,9	71,0	71,1	71,2	71,4	71,5	71,6	71,7	71,8	71,9	72,0	72,2	72,3	72,4	72,5
IMR	31,7	31,2	30,7	30,2	29,7	29,3	28,8	28,3	27,8	27,3	26,9	26,5	26,0	25,6	25,2	24,8
U5MR	36,2	35,6	35,0	34,4	33,8	33,2	32,7	32,0	31,4	30,8	30,3	29,8	29,3	28,8	28,3	27,8
Life table: Coale-Demeny East																
Immigration																
Male immigration	-955	-955	-955	-955	-955	-955	-955	-955	-955	-955	-955	-955	-955	-955	-955	-955
Female immigration	-1.699	-1.699	-1.699	-1.699	-1.699	-1.699	-1.699	-1.699	-1.699	-1.699	-1.699	-1.699	-1.699	-1.699	-1.699	-1.699
Total immigration	-2.654	-2.654	-2.654	-2.654	-2.654	-2.654	-2.654	-2.654	-2.654	-2.654	-2.654	-2.654	-2.654	-2.654	-2.654	-2.654
Vital Rates																
CBR per 1000	42,8	42,6	42,3	42,0	41,7	41,3	40,8	40,4	39,8	39,4	38,8	38,3	37,7	37,0	36,3	35,5
CDR per 1000	4,6	4,4	4,3	4,3	4,2	4,1	4,0	3,9	3,8	3,8	3,7	3,6	3,6	3,5	3,5	3,5
RNI percent	3,82	3,82	3,80	3,78	3,75	3,72	3,68	3,64	3,60	3,56	3,51	3,46	3,41	3,35	3,28	3,21
GR percent	3,20	3,22	3,22	3,22	3,21	3,20	3,18	3,15	3,12	3,10	3,06	3,03	2,98	2,94	2,88	2,82
Doubling time	22,0	21,9	21,9	21,9	21,9	22,0	22,2	22,3	22,5	22,7	23,0	23,2	23,6	24,0	24,4	24,9
Annual Births&Deaths																
Births	18.356	18.874	19.392	19.898	20.384	20.852	21.300	21.728	22.139	22.580	22.965	23.334	23.667	23.954	24.184	24.354
Deaths	1.956	1.952	1.991	2.018	2.040	2.062	2.086	2.108	2.130	2.155	2.186	2.219	2.254	2.291	2.329	2.367
Population																
Total population	429.289	443.484	458.158	473.310	488.926	504.989	521.475	538.368	555.649	573.347	591.400	609.787	628.473	647.409	666.537	685.797
Male population	226.263	233.959	241.892	250.063	258.462	267.083	275.913	284.945	294.169	303.602	313.211	322.986	332.909	342.955	353.094	363.297
Female population	203.026	209.525	216.266	223.247	230.464	237.906	245.562	253.423	261.480	269.745	278.189	286.801	295.564	304.454	313.443	322.500
Percent 0-4	16,36	16,64	17,03	17,50	18,06	18,68	18,55	18,39	18,22	18,04	17,85	17,64	17,43	17,20	16,95	16,67
Percent 5-14	28,36	27,81	27,15	26,41	25,62	24,82	24,81	24,88	25,00	25,17	25,37	25,58	25,86	26,19	26,58	27,02
Percent 15-49	47,87	48,22	48,57	48,90	49,18	49,39	49,53	49,60	49,61	49,58	49,51	49,44	49,29	49,08	48,83	48,54
Percent 15-64	52,58	52,91	53,25	53,57	53,86	54,09	54,25	54,36	54,43	54,46	54,46	54,46	54,40	54,29	54,14	53,97
Percent 65 and over	2,70	2,63	2,57	2,51	2,46	2,42	2,39	2,36	2,35	2,33	2,32	2,32	2,32	2,33	2,33	2,34
Percent females 15-49	45,58	45,95	46,29	46,59	46,85	47,06	47,21	47,30	47,34	47,33	47,27	47,20	47,06	46,85	46,60	46,30
Sex ratio	111,45	111,66	111,85	112,01	112,15	112,26	112,36	112,44	112,50	112,55	112,59	112,62	112,63	112,65	112,65	112,65
Dependency ratio	0,90	0,89	0,88	0,87	0,86	0,85	0,84	0,84	0,84	0,84	0,84	0,84	0,84	0,84	0,85	0,85
Median age	17	18	18	18	18	18	18	18	18	19	19	19	19	19	19	19
Urban population	249.608	262.897	276.819	291.370	306.557	322.385	338.855	355.915	373.674	392.112	411.200	430.936	451.307	472.220	493.771	515.857
Rural population	179.681	180.587	181.339	181.940	182.370	182.604	182.621	182.453	181.975	181.235	180.199	178.850	177.167	175.189	172.767	169.941
Percent urban	58,14	59,28	60,42	61,56	62,70	63,84	64,98	66,11	67,25	68,39	69,53	70,67	71,81	72,94	74,08	75,22
Percent rural	41,86	40,72	39,58	38,44	37,30	36,16	35,02	33,89	32,75	31,61	30,47	29,33	28,19	27,06	25,92	24,78

Table D.73.b Age groups and sex distribution for every five years from the population projection of 73-Şırnak province

Population by Age and Sex - Total							
73-Şırnak							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	70.222	36.131	34.091	0-4	94.314	48.394	45.920
5-9	64.930	33.283	31.647	5-9	65.587	33.787	31.800
10-14	56.829	29.488	27.341	10-14	59.736	30.518	29.218
15-19	46.337	23.842	22.495	15-19	51.913	26.594	25.320
20-24	50.576	33.107	17.469	20-24	47.958	24.878	23.080
25-29	38.378	19.833	18.545	25-29	55.215	36.507	18.708
30-34	25.801	13.011	12.790	30-34	37.799	20.205	17.594
35-39	19.471	10.060	9.411	35-39	24.474	12.586	11.888
40-44	14.582	7.564	7.018	40-44	18.462	9.614	8.848
45-49	10.360	5.543	4.817	45-49	13.601	7.080	6.522
50-54	8.449	4.158	4.291	50-54	9.708	5.143	4.565
55-59	6.662	2.980	3.682	55-59	7.883	3.805	4.078
60-64	5.099	2.242	2.857	60-64	6.117	2.676	3.441
65-69	4.247	2.103	2.144	65-69	4.558	1.937	2.621
70-74	2.956	1.431	1.525	70-74	3.456	1.676	1.780
75-79	2.397	921	1.476	75-79	2.082	992	1.091
80+	1.993	566	1.427	80+	2.126	693	1.433
TOTAL	429.289	226.263	203.026	TOTAL	504.989	267.083	237.906
2018	Total	Male	Female	2023	Total	Male	Female
0-4	105.551	54.155	51.396	0-4	114.349	58.653	55.697
5-9	89.624	46.025	43.600	5-9	100.872	51.791	49.082
10-14	60.403	31.027	29.376	10-14	84.417	43.251	41.167
15-19	54.825	27.627	27.198	15-19	55.501	28.140	27.361
20-24	53.530	27.627	25.903	20-24	56.447	28.663	27.784
25-29	52.647	28.341	24.306	25-29	58.213	31.084	27.128
30-34	54.550	36.787	17.763	30-34	52.028	28.681	23.347
35-39	36.407	19.736	16.671	35-39	53.062	36.215	16.848
40-44	23.433	12.122	11.311	40-44	35.280	19.215	16.065
45-49	17.437	9.103	8.334	45-49	22.358	11.581	10.777
50-54	12.885	6.642	6.243	50-54	16.647	8.618	8.029
55-59	9.098	4.748	4.350	55-59	12.174	6.186	5.988
60-64	7.267	3.443	3.825	60-64	8.417	4.323	4.094
65-69	5.493	2.327	3.166	65-69	6.541	3.012	3.529
70-74	3.747	1.547	2.200	70-74	4.557	1.877	2.680
75-79	2.464	1.169	1.295	75-79	2.710	1.085	1.625
80+	2.038	787	1.251	80+	2.221	923	1.299
TOTAL	591.400	313.211	278.189	TOTAL	685.797	363.297	322.500

Table D.74.a Summary table for annual results of the population projection of 74-Bartın province

74-Bartın	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	1,63	1,61	1,60	1,58	1,57	1,55	1,54	1,52	1,51	1,49	1,48	1,46	1,45	1,43	1,42	1,40
GRR	0,80	0,79	0,78	0,77	0,77	0,76	0,75	0,74	0,74	0,73	0,72	0,71	0,71	0,70	0,69	0,68
NRR	0,76	0,75	0,75	0,74	0,74	0,73	0,72	0,72	0,71	0,70	0,70	0,69	0,69	0,68	0,67	0,66
Mean A. Childb.	27,5	27,6	27,6	27,7	27,8	27,9	27,9	28,0	28,1	28,2	28,2	28,3	28,4	28,5	28,5	28,6
Child-woman ratio	0,24	0,25	0,25	0,25	0,24	0,24	0,24	0,24	0,24	0,23	0,23	0,22	0,22	0,22	0,21	0,21
Fertility table: Custom																
Mortality																
Male LE	70,7	70,7	70,8	71,0	71,1	71,2	71,4	71,5	71,6	71,8	71,9	72,0	72,2	72,3	72,4	72,6
Female LE	72,9	72,9	73,0	73,2	73,3	73,5	73,6	73,8	73,9	74,0	74,2	74,3	74,5	74,6	74,8	75,0
Total LE	71,8	71,8	71,9	72,1	72,2	72,4	72,5	72,6	72,8	72,9	73,0	73,2	73,3	73,5	73,6	73,8
IMR	22,7	22,4	21,9	21,4	20,9	20,5	20,1	19,7	19,3	18,9	18,5	18,1	17,7	17,3	16,8	16,2
U5MR	26,9	26,6	25,9	25,3	24,6	24,1	23,6	23,1	22,6	22,1	21,5	21,0	20,5	20,0	19,4	18,7
Life table: Coale-Demeny West																
Immigration																
Male immigration	1.223	1.223	1.223	1.223	1.223	1.223	1.223	1.223	1.223	1.223	1.223	1.223	1.223	1.223	1.223	1.223
Female immigration	870	870	870	870	870	870	870	870	870	870	870	870	870	870	870	870
Total immigration	2.093	2.093	2.093	2.093	2.093	2.093	2.093	2.093	2.093	2.093	2.093	2.093	2.093	2.093	2.093	2.093
Vital Rates																
CBR per 1000	12,7	12,5	12,4	12,1	12,0	11,7	11,5	11,2	11,0	10,7	10,5	10,2	10,0	9,8	9,6	9,3
CDR per 1000	10,7	10,5	10,5	10,5	10,4	10,3	10,2	10,1	10,0	9,9	9,9	9,9	10,0	10,0	10,1	10,1
RNI percent	0,20	0,20	0,19	0,17	0,16	0,14	0,13	0,12	0,10	0,08	0,06	0,03	0,01	-0,03	-0,05	-0,08
GR percent	1,33	1,31	1,28	1,25	1,23	1,20	1,18	1,15	1,12	1,09	1,06	1,02	0,99	0,94	0,91	0,87
Doubling time	52,3	53,1	54,3	55,7	56,7	58,0	59,1	60,6	62,0	63,9	65,7	68,2	70,6	73,7	76,6	79,9
Annual Births&Deaths																
Births	2.360	2.352	2.355	2.340	2.335	2.312	2.301	2.272	2.256	2.223	2.203	2.167	2.145	2.108	2.086	2.049
Deaths	1.982	1.975	2.003	2.018	2.026	2.029	2.033	2.038	2.045	2.058	2.076	2.100	2.130	2.163	2.199	2.228
Population																
Total population	185.370	187.876	190.357	192.808	195.246	197.658	200.054	202.416	204.754	207.047	209.303	211.497	213.640	215.713	217.728	219.676
Male population	90.419	91.894	93.354	94.797	96.230	97.647	99.054	100.441	101.813	103.158	104.482	105.773	107.035	108.259	109.451	110.607
Female population	94.951	95.982	97.003	98.011	99.016	100.010	100.999	101.975	102.942	103.889	104.820	105.724	106.605	107.454	108.277	109.069
Percent 0-4	6,43	6,44	6,43	6,38	6,30	6,19	6,09	5,98	5,88	5,76	5,65	5,53	5,42	5,31	5,20	5,08
Percent 5-14	14,52	14,20	13,93	13,72	13,55	13,42	13,28	13,16	13,04	12,93	12,82	12,75	12,65	12,53	12,37	12,18
Percent 15-49	51,53	51,51	51,45	51,38	51,29	51,19	51,10	51,01	50,91	50,79	50,65	50,45	50,25	50,07	49,91	49,77
Percent 15-64	68,24	68,65	69,01	69,31	69,55	69,72	69,83	69,88	69,87	69,83	69,76	69,64	69,53	69,44	69,37	69,34
Percent 65 and over	10,81	10,71	10,63	10,59	10,60	10,67	10,80	10,98	11,21	11,47	11,76	12,07	12,39	12,73	13,06	13,40
Percent females 15-49	51,54	51,43	51,29	51,13	50,96	50,79	50,61	50,44	50,26	50,06	49,83	49,53	49,24	48,97	48,72	48,50
Sex ratio	95,23	95,74	96,24	96,72	97,19	97,64	98,07	98,50	98,90	99,30	99,68	100,05	100,40	100,75	101,08	101,41
Dependency ratio	0,47	0,46	0,45	0,44	0,44	0,43	0,43	0,43	0,43	0,43	0,43	0,44	0,44	0,44	0,44	0,44
Median age	34	34	34	35	35	35	36	36	36	37	37	38	38	38	39	39
Urban population	48.001	50.219	52.462	54.738	57.070	59.416	61.797	64.227	66.668	69.154	71.644	74.151	76.697	79.232	81.779	84.356
Rural population	137.369	137.657	137.895	138.069	138.175	138.242	138.257	138.189	138.086	137.893	137.658	137.346	136.943	136.482	135.949	135.320
Percent urban	25,89	26,73	27,56	28,39	29,23	30,06	30,89	31,73	32,56	33,40	34,23	35,06	35,90	36,73	37,56	38,40
Percent rural	74,11	73,27	72,44	71,61	70,77	69,94	69,11	68,27	67,44	66,60	65,77	64,94	64,10	63,27	62,44	61,60

Table D.74.b Age groups and sex distribution for every five years from the population projection of 74-Bartın province

Population by Age and Sex - Total 74-Bartın							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	11.928	6.138	5.790	0-4	12.233	6.280	5.953
5-9	12.995	6.581	6.414	5-9	12.990	6.689	6.301
10-14	13.927	6.970	6.957	10-14	13.540	6.811	6.730
15-19	14.590	7.261	7.329	15-19	13.780	6.818	6.962
20-24	13.509	6.317	7.192	20-24	14.404	7.154	7.250
25-29	15.278	7.763	7.515	25-29	14.563	7.163	7.400
30-34	13.891	6.905	6.986	30-34	16.674	8.791	7.882
35-39	13.293	6.413	6.880	35-39	14.792	7.428	7.365
40-44	12.390	5.914	6.476	40-44	13.930	6.761	7.169
45-49	12.573	6.009	6.564	45-49	13.045	6.279	6.766
50-54	12.279	5.944	6.335	50-54	13.286	6.399	6.887
55-59	10.678	5.406	5.272	55-59	12.674	6.156	6.518
60-64	8.009	3.873	4.136	60-64	10.664	5.387	5.277
65-69	6.462	3.002	3.460	65-69	7.570	3.624	3.946
70-74	4.969	2.272	2.697	70-74	5.546	2.527	3.019
75-79	5.243	2.336	2.907	75-79	3.702	1.649	2.053
80+	3.356	1.315	2.041	80+	4.264	1.732	2.533
TOTAL	185.370	90.419	94.951	TOTAL	197.658	97.647	100.010
2018	Total	Male	Female	2023	Total	Male	Female
0-4	11.829	6.072	5.757	0-4	11.170	5.733	5.436
5-9	13.301	6.833	6.467	5-9	12.904	6.629	6.275
10-14	13.538	6.920	6.618	10-14	13.851	7.065	6.786
15-19	13.398	6.661	6.737	15-19	13.400	6.772	6.628
20-24	13.603	6.716	6.888	20-24	13.228	6.562	6.666
25-29	15.461	7.999	7.462	25-29	14.671	7.566	7.105
30-34	15.971	8.199	7.773	30-34	16.875	9.035	7.840
35-39	17.568	9.307	8.261	35-39	16.881	8.723	8.158
40-44	15.428	7.772	7.656	40-44	18.195	9.642	8.552
45-49	14.578	7.121	7.457	45-49	16.073	8.127	7.946
50-54	13.767	6.673	7.094	50-54	15.289	7.507	7.781
55-59	13.669	6.606	7.063	55-59	14.162	6.885	7.277
60-64	12.573	6.100	6.473	60-64	13.548	6.541	7.007
65-69	9.995	4.987	5.008	65-69	11.771	5.646	6.125
70-74	6.515	3.061	3.454	70-74	8.605	4.214	4.391
75-79	4.175	1.855	2.319	75-79	4.942	2.269	2.673
80+	3.933	1.600	2.333	80+	4.112	1.690	2.421
TOTAL	209.303	104.482	104.820	TOTAL	219.676	110.607	109.069

Table D.75.b Age groups and sex distribution for every five years from the population projection of 75-Ardahan province

Population by Age and Sex - Total 75-Ardahan							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	9.737	4.957	4.780	0-4	6.667	3.432	3.235
5-9	9.945	5.123	4.822	5-9	8.312	4.198	4.114
10-14	11.273	5.771	5.502	10-14	8.650	4.382	4.268
15-19	10.404	5.378	5.026	15-19	9.440	4.771	4.669
20-24	11.742	7.574	4.168	20-24	8.018	4.073	3.944
25-29	9.367	5.068	4.299	25-29	9.544	6.545	2.999
30-34	7.880	4.240	3.640	30-34	7.456	4.242	3.214
35-39	7.119	3.713	3.406	35-39	6.627	3.571	3.056
40-44	5.914	3.055	2.859	40-44	6.317	3.305	3.012
45-49	5.293	2.631	2.662	45-49	5.401	2.861	2.540
50-54	5.042	2.543	2.499	50-54	4.741	2.371	2.370
55-59	4.335	2.038	2.297	55-59	4.629	2.306	2.323
60-64	4.234	1.972	2.262	60-64	4.113	1.895	2.218
65-69	3.605	1.568	2.037	65-69	3.839	1.749	2.090
70-74	2.378	1.183	1.195	70-74	3.055	1.323	1.732
75-79	2.430	1.159	1.271	75-79	1.768	869	899
80+	1.545	701	844	80+	1.865	856	1.009
TOTAL	112.243	58.674	53.569	TOTAL	100.441	52.748	47.693
2018	Total	Male	Female	2023	Total	Male	Female
0-4	5.208	2.686	2.522	0-4	3.797	1.964	1.832
5-9	5.262	2.683	2.579	5-9	3.812	1.942	1.870
10-14	7.022	3.459	3.562	10-14	3.979	1.948	2.030
15-19	6.826	3.387	3.439	15-19	5.205	2.469	2.736
20-24	7.062	3.472	3.590	20-24	4.461	2.097	2.365
25-29	5.849	3.071	2.778	25-29	4.901	2.475	2.426
30-34	7.633	5.710	1.922	30-34	3.966	2.263	1.703
35-39	6.209	3.575	2.634	35-39	6.385	5.033	1.352
40-44	5.833	3.167	2.667	40-44	5.423	3.174	2.250
45-49	5.801	3.108	2.693	45-49	5.329	2.975	2.354
50-54	4.850	2.597	2.253	50-54	5.243	2.839	2.404
55-59	4.347	2.146	2.200	55-59	4.454	2.364	2.090
60-64	4.390	2.143	2.246	60-64	4.135	2.001	2.134
65-69	3.742	1.686	2.055	65-69	3.995	1.908	2.087
70-74	3.254	1.473	1.781	70-74	3.187	1.428	1.759
75-79	2.279	974	1.305	75-79	2.430	1.083	1.347
80+	1.707	794	912	80+	1.928	830	1.098
TOTAL	87.273	46.133	41.140	TOTAL	72.630	38.792	33.838

Table D.76.a Summary table for annual results of the population projection of 76-Iğdır province

76-Iğdır	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	3,32	3,26	3,20	3,14	3,07	3,01	2,95	2,89	2,83	2,77	2,71	2,65	2,58	2,52	2,46	2,40
GRR	1,62	1,59	1,56	1,53	1,50	1,47	1,44	1,41	1,38	1,35	1,32	1,29	1,26	1,23	1,20	1,17
NRR	1,52	1,50	1,47	1,45	1,41	1,39	1,36	1,33	1,31	1,28	1,25	1,23	1,20	1,17	1,14	1,12
Mean A. Childb.	29,1	29,0	29,0	29,0	28,9	28,9	28,9	28,8	28,8	28,8	28,8	28,7	28,7	28,7	28,6	28,6
Child-woman ratio	0,46	0,46	0,46	0,45	0,45	0,44	0,43	0,42	0,41	0,40	0,39	0,38	0,38	0,37	0,36	0,35
Fertility table: Custom																
Mortality																
Male LE	67,9	68,0	68,1	68,2	68,3	68,4	68,5	68,6	68,7	68,8	68,9	69,0	69,1	69,2	69,3	69,4
Female LE	71,2	71,2	71,3	71,4	71,6	71,7	71,8	71,9	72,0	72,1	72,2	72,3	72,4	72,5	72,6	72,7
Total LE	69,5	69,6	69,7	69,8	69,9	70,0	70,0	70,1	70,2	70,3	70,4	70,5	70,6	70,7	70,8	70,9
IMR	37,7	37,3	36,8	36,4	35,9	35,5	35,0	34,6	34,1	33,7	33,2	32,8	32,3	31,9	31,4	31,0
U5MR	43,6	43,0	42,5	41,9	41,4	40,8	40,3	39,7	39,2	38,6	38,1	37,5	37,0	36,4	35,9	35,3
Life table: Coale-Demeny East																
Immigration																
Male immigration	-1.773	-1.773	-1.773	-1.773	-1.773	-1.773	-1.773	-1.773	-1.773	-1.773	-1.773	-1.773	-1.773	-1.773	-1.773	-1.773
Female immigration	-2.024	-2.024	-2.024	-2.024	-2.024	-2.024	-2.024	-2.024	-2.024	-2.024	-2.024	-2.024	-2.024	-2.024	-2.024	-2.024
Total immigration	-3.797	-3.797	-3.797	-3.797	-3.797	-3.797	-3.797	-3.797	-3.797	-3.797	-3.797	-3.797	-3.797	-3.797	-3.797	-3.797
Vital Rates																
CBR per 1000	25,1	24,5	24,0	23,5	22,8	22,3	21,7	21,2	20,6	20,1	19,6	19,0	18,4	17,9	17,3	16,8
CDR per 1000	6,5	6,5	6,5	6,5	6,4	6,4	6,5	6,5	6,5	6,6	6,6	6,7	6,8	6,9	7,1	7,2
RNI percent	1,86	1,81	1,76	1,70	1,64	1,58	1,53	1,47	1,41	1,35	1,29	1,23	1,16	1,09	1,02	0,95
GR percent	-0,21	-0,26	-0,32	-0,38	-0,46	-0,52	-0,59	-0,66	-0,74	-0,81	-0,89	-0,98	-1,08	-1,17	-1,27	-1,37
Doubling time	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
Annual Births&Deaths																
Births	4.614	4.505	4.391	4.273	4.139	4.016	3.892	3.768	3.644	3.520	3.395	3.266	3.126	2.999	2.871	2.741
Deaths	1.195	1.184	1.181	1.175	1.168	1.161	1.157	1.153	1.151	1.150	1.151	1.153	1.157	1.163	1.172	1.184
Population																
Total population	184.027	183.510	182.881	182.142	181.275	180.291	179.189	177.967	176.623	175.155	173.562	171.837	169.969	167.968	165.830	163.550
Male population	95.196	95.095	94.935	94.716	94.429	94.081	93.671	93.197	92.659	92.056	91.388	90.652	89.842	88.962	88.012	86.988
Female population	88.831	88.415	87.947	87.426	86.845	86.210	85.519	84.770	83.964	83.099	82.173	81.185	80.127	79.005	77.817	76.561
Percent 0-4	11,04	11,04	11,02	10,98	10,92	10,83	10,58	10,32	10,06	9,81	9,56	9,31	9,05	8,79	8,53	8,27
Percent 5-14	23,99	23,41	22,77	22,09	21,41	20,76	20,30	19,88	19,49	19,11	18,76	18,58	18,38	18,17	17,92	17,66
Percent 15-49	51,54	51,81	52,15	52,54	52,93	53,30	53,63	53,90	54,11	54,26	54,34	54,20	54,04	53,85	53,66	53,47
Percent 15-64	60,35	60,92	61,52	62,15	62,79	63,41	63,99	64,52	64,99	65,41	65,77	65,93	66,09	66,24	66,41	66,60
Percent 65 and over	4,62	4,64	4,69	4,77	4,88	5,00	5,13	5,29	5,46	5,67	5,91	6,18	6,48	6,80	7,14	7,47
Percent females 15-49	49,91	50,09	50,32	50,60	50,88	51,12	51,32	51,46	51,54	51,55	51,50	51,22	50,92	50,61	50,29	49,97
Sex ratio	107,17	107,56	107,95	108,34	108,73	109,13	109,53	109,94	110,36	110,78	111,21	111,66	112,12	112,60	113,10	113,62
Dependency ratio	0,66	0,64	0,63	0,61	0,59	0,58	0,56	0,55	0,54	0,53	0,52	0,52	0,51	0,51	0,51	0,50
Median age	22	23	23	23	24	24	25	25	25	26	26	27	28	28	29	29
Urban population	75.822	77.037	78.200	79.305	80.323	81.293	82.194	83.022	83.772	84.425	85.011	85.506	85.902	86.201	86.381	86.469
Rural population	108.205	106.472	104.681	102.837	100.952	98.998	96.995	94.945	92.851	90.731	88.551	86.331	84.067	81.767	79.449	77.081
Percent urban	41,20	41,98	42,76	43,54	44,31	45,09	45,87	46,65	47,43	48,20	48,98	49,76	50,54	51,32	52,09	52,87
Percent rural	58,80	58,02	57,24	56,46	55,69	54,91	54,13	53,35	52,57	51,80	51,02	50,24	49,46	48,68	47,91	47,13

Table D.76.b Age groups and sex distribution for every five years from the population projection of 76-Iğdır province

Population by Age and Sex - Total							
76-Iğdır							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	20.309	10.567	9.742	0-4	19.530	9.991	9.540
5-9	22.067	11.301	10.766	5-9	17.958	9.249	8.709
10-14	22.084	11.230	10.854	10-14	19.466	9.843	9.623
15-19	19.133	9.874	9.259	15-19	19.457	10.031	9.427
20-24	19.029	11.031	7.998	20-24	16.348	8.810	7.538
25-29	16.181	8.568	7.613	25-29	16.499	10.096	6.403
30-34	12.848	6.754	6.094	30-34	14.135	7.602	6.533
35-39	10.988	5.787	5.201	35-39	11.494	6.057	5.437
40-44	8.924	4.554	4.370	40-44	9.983	5.324	4.659
45-49	7.749	3.947	3.802	45-49	8.185	4.109	4.076
50-54	6.871	3.395	3.476	50-54	7.064	3.571	3.493
55-59	5.272	2.461	2.811	55-59	6.325	3.132	3.193
60-64	4.072	1.939	2.133	60-64	4.836	2.221	2.615
65-69	2.614	1.194	1.420	65-69	3.529	1.649	1.879
70-74	2.336	1.101	1.235	70-74	2.131	940	1.191
75-79	2.024	904	1.120	75-79	1.723	790	933
80+	1.526	589	937	80+	1.627	666	961
TOTAL	184.027	95.196	88.831	TOTAL	180.291	94.081	86.210
2018	Total	Male	Female	2023	Total	Male	Female
0-4	16.589	8.488	8.101	0-4	13.522	6.920	6.602
5-9	17.193	8.681	8.512	5-9	14.274	7.190	7.084
10-14	15.369	7.798	7.571	10-14	14.609	7.233	7.376
15-19	16.851	8.651	8.200	15-19	12.768	6.614	6.154
20-24	16.676	8.969	7.707	20-24	14.086	7.600	6.486
25-29	13.842	7.894	5.948	25-29	14.174	8.056	6.118
30-34	14.454	9.122	5.332	30-34	11.820	6.939	4.881
35-39	12.776	6.901	5.875	35-39	13.097	8.412	4.685
40-44	10.490	5.594	4.896	40-44	11.766	6.433	5.332
45-49	9.232	4.869	4.364	45-49	9.739	5.138	4.600
50-54	7.497	3.733	3.765	50-54	8.523	4.473	4.050
55-59	6.516	3.303	3.213	55-59	6.942	3.462	3.480
60-64	5.822	2.841	2.981	60-64	6.008	3.002	3.006
65-69	4.225	1.900	2.325	65-69	5.114	2.449	2.665
70-74	2.901	1.312	1.589	70-74	3.496	1.521	1.976
75-79	1.594	685	909	75-79	2.166	952	1.215
80+	1.533	647	886	80+	1.447	596	851
TOTAL	173.562	91.388	82.173	TOTAL	163.550	86.988	76.561

Table D.77.a Summary table for annual results of the population projection of 77-Yalova province

77-Yalova	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	1,78	1,76	1,74	1,72	1,70	1,68	1,66	1,64	1,62	1,60	1,58	1,57	1,55	1,53	1,51	1,49
GRR	0,87	0,86	0,85	0,84	0,83	0,82	0,81	0,80	0,79	0,78	0,77	0,77	0,76	0,75	0,74	0,73
NRR	0,85	0,84	0,83	0,82	0,81	0,81	0,80	0,79	0,78	0,77	0,76	0,76	0,75	0,74	0,73	0,72
Mean A. Childb.	27,4	27,5	27,6	27,7	27,7	27,8	27,9	28,0	28,1	28,1	28,2	28,3	28,4	28,4	28,5	28,6
Child-woman ratio	0,24	0,24	0,25	0,25	0,25	0,25	0,25	0,25	0,25	0,25	0,24	0,24	0,24	0,24	0,23	0,23
Fertility table: Custom																
Mortality																
Male LE	73,6	73,7	74,0	74,4	74,7	75,1	75,4	75,8	76,1	76,5	76,9	77,2	77,6	78,0	78,4	78,8
Female LE	76,4	76,5	76,8	77,0	77,2	77,5	77,7	77,9	78,2	78,4	78,7	78,9	79,2	79,4	79,7	80,0
Total LE	75,0	75,1	75,4	75,7	76,0	76,2	76,5	76,8	77,1	77,4	77,7	78,1	78,4	78,7	79,0	79,4
IMR	13,7	13,0	12,3	11,6	10,9	10,3	9,6	8,9	8,2	7,5	6,8	6,1	5,4	4,7	4,0	3,3
U5MR	15,7	14,9	14,0	13,2	12,4	11,6	10,7	9,9	9,1	8,3	7,4	6,6	5,8	4,9	4,1	3,3
Life table: Coale-Demeny West																
Immigration																
Male immigration	5.399	5.399	5.399	5.399	5.399	5.399	5.399	5.399	5.399	5.399	5.399	5.399	5.399	5.399	5.399	5.399
Female immigration	4.715	4.715	4.715	4.715	4.715	4.715	4.715	4.715	4.715	4.715	4.715	4.715	4.715	4.715	4.715	4.715
Total immigration	10.114	10.114	10.114	10.114	10.114	10.114	10.114	10.114	10.114	10.114	10.114	10.114	10.114	10.114	10.114	10.114
Vital Rates																
CBR per 1000	14,1	13,9	13,7	13,5	13,3	13,1	12,9	12,7	12,5	12,2	12,0	11,8	11,6	11,4	11,1	10,9
CDR per 1000	7,6	7,1	7,0	6,9	6,8	6,7	6,6	6,5	6,4	6,3	6,3	6,2	6,2	6,2	6,2	6,2
RNI percent	0,65	0,68	0,67	0,66	0,65	0,64	0,63	0,62	0,61	0,59	0,57	0,56	0,54	0,52	0,50	0,47
GR percent	5,77	5,52	5,26	5,01	4,79	4,59	4,41	4,23	4,07	3,92	3,77	3,64	3,51	3,39	3,27	3,16
Doubling time	12,4	12,9	13,5	14,2	14,8	15,4	16,1	16,7	17,4	18,0	18,7	19,4	20,1	20,8	21,5	22,3
Annual Births&Deaths																
Births	2.775	2.903	3.026	3.143	3.254	3.359	3.458	3.552	3.640	3.721	3.795	3.886	3.947	4.003	4.051	4.093
Deaths	1.502	1.475	1.539	1.598	1.655	1.710	1.764	1.818	1.873	1.929	1.987	2.049	2.112	2.178	2.245	2.313
Population																
Total population	197.412	209.045	220.737	232.485	244.286	256.136	268.031	279.965	291.931	303.921	315.925	327.958	339.988	352.007	364.006	375.978
Male population	99.037	105.225	111.440	117.681	123.947	130.236	136.545	142.874	149.217	155.572	161.934	168.310	174.685	181.054	187.414	193.761
Female population	98.375	103.820	109.297	114.804	120.339	125.901	131.486	137.091	142.714	148.349	153.991	159.648	165.304	170.953	176.592	182.217
Percent 0-4	6,43	6,50	6,56	6,62	6,67	6,71	6,62	6,53	6,44	6,34	6,24	6,14	6,05	5,95	5,84	5,74
Percent 5-14	15,11	14,66	14,25	13,87	13,53	13,23	13,10	12,99	12,91	12,83	12,76	12,74	12,71	12,68	12,64	12,59
Percent 15-49	54,39	54,39	54,36	54,31	54,23	54,13	54,01	53,88	53,74	53,59	53,43	53,22	52,99	52,77	52,54	52,32
Percent 15-64	69,57	69,97	70,33	70,63	70,87	71,03	71,13	71,18	71,18	71,14	71,07	70,93	70,78	70,62	70,45	70,29
Percent 65 and over	8,90	8,87	8,86	8,88	8,94	9,02	9,14	9,30	9,48	9,69	9,93	10,19	10,47	10,76	11,07	11,38
Percent females 15-49	53,93	53,91	53,86	53,79	53,69	53,57	53,42	53,25	53,06	52,87	52,66	52,41	52,15	51,89	51,64	51,39
Sex ratio	100,67	101,35	101,96	102,51	103,00	103,44	103,85	104,22	104,56	104,87	105,16	105,43	105,68	105,91	106,13	106,34
Dependency ratio	0,44	0,43	0,42	0,42	0,41	0,41	0,41	0,40	0,40	0,41	0,41	0,41	0,41	0,42	0,42	0,42
Median age	33	33	33	33	34	34	34	34	34	35	35	35	35	36	36	37
Urban population	91.045	97.875	104.894	112.104	119.505	127.069	134.846	142.810	150.957	159.285	167.788	176.474	185.294	194.308	203.479	212.804
Rural population	106.367	111.170	115.843	120.381	124.781	129.067	133.185	137.155	140.973	144.636	148.137	151.484	154.695	157.699	160.527	163.174
Percent urban	46,12	46,82	47,52	48,22	48,92	49,61	50,31	51,01	51,71	52,41	53,11	53,81	54,50	55,20	55,90	56,60
Percent rural	53,88	53,18	52,48	51,78	51,08	50,39	49,69	48,99	48,29	47,59	46,89	46,19	45,50	44,80	44,10	43,40

Table D.77.b Age groups and sex distribution for every five years from the population projection of 77-Yalova province

Population by Age and Sex - Total 77-Yalova							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	12.689	6.488	6.201	0-4	17.188	8.832	8.356
5-9	14.113	7.260	6.853	5-9	16.032	8.307	7.725
10-14	15.712	8.063	7.649	10-14	17.864	9.232	8.632
15-19	15.613	7.997	7.616	15-19	18.788	9.668	9.121
20-24	15.598	8.356	7.242	20-24	20.109	10.364	9.745
25-29	16.624	8.369	8.255	25-29	21.568	11.616	9.952
30-34	15.848	7.864	7.984	30-34	21.973	11.349	10.624
35-39	15.425	7.640	7.785	35-39	20.365	10.274	10.091
40-44	14.412	7.122	7.290	40-44	18.694	9.387	9.307
45-49	13.851	6.970	6.881	45-49	17.144	8.544	8.600
50-54	12.389	6.228	6.161	50-54	16.708	8.417	8.291
55-59	9.943	4.975	4.968	55-59	14.942	7.521	7.421
60-64	7.635	3.683	3.952	60-64	11.651	5.862	5.789
65-69	6.223	2.980	3.243	65-69	8.619	4.224	4.395
70-74	4.723	2.230	2.493	70-74	6.401	3.079	3.321
75-79	3.861	1.754	2.107	75-79	4.182	1.921	2.261
80+	2.753	1.058	1.695	80+	3.909	1.638	2.271
TOTAL	197.412	99.037	98.375	TOTAL	256.136	130.236	125.901
2018	Total	Male	Female	2023	Total	Male	Female
0-4	19.710	10.131	9.579	0-4	21.585	11.101	10.484
5-9	20.533	10.653	9.879	5-9	23.064	11.959	11.105
10-14	19.785	10.281	9.504	10-14	24.289	12.630	11.659
15-19	20.945	10.840	10.105	15-19	22.874	11.895	10.980
20-24	23.291	12.040	11.251	20-24	25.460	13.221	12.239
25-29	26.086	13.631	12.456	25-29	29.283	15.317	13.967
30-34	26.925	14.601	12.324	30-34	31.459	16.627	14.832
35-39	26.494	13.763	12.732	35-39	31.465	17.027	14.439
40-44	23.639	12.026	11.613	40-44	29.786	15.527	14.258
45-49	21.428	10.813	10.615	45-49	26.390	13.466	12.925
50-54	20.003	9.997	10.006	50-54	24.301	12.278	12.023
55-59	19.215	9.685	9.530	55-59	22.524	11.280	11.245
60-64	16.509	8.324	8.185	60-64	20.727	10.457	10.269
65-69	12.418	6.264	6.154	65-69	17.072	8.606	8.466
70-74	8.576	4.193	4.383	70-74	12.051	6.035	6.016
75-79	5.581	2.616	2.965	75-79	7.423	3.544	3.879
80+	4.787	2.076	2.710	80+	6.225	2.793	3.433
TOTAL	315.925	161.934	153.991	TOTAL	375.978	193.761	182.217

Table D.78.a Summary table for annual results of the population projection of 78-Karabük province

78-Karabük	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	1,51	1,50	1,50	1,49	1,48	1,47	1,47	1,46	1,45	1,44	1,44	1,43	1,42	1,41	1,41	1,40
GRR	0,74	0,73	0,73	0,73	0,72	0,72	0,72	0,71	0,71	0,70	0,70	0,70	0,69	0,69	0,69	0,68
NRR	0,71	0,70	0,70	0,70	0,70	0,69	0,69	0,69	0,68	0,68	0,68	0,68	0,67	0,67	0,67	0,66
Mean A. Childb.	27,5	27,6	27,6	27,7	27,8	27,9	27,9	28,0	28,1	28,2	28,2	28,3	28,4	28,5	28,5	28,6
Child-woman ratio	0,25	0,24	0,24	0,23	0,22	0,22	0,21	0,21	0,21	0,21	0,21	0,20	0,20	0,20	0,20	0,20
Fertility table: Custom																
Mortality																
Male LE	70,7	70,7	70,9	71,0	71,2	71,3	71,4	71,6	71,7	71,8	72,0	72,1	72,2	72,4	72,5	72,6
Female LE	72,9	73,0	73,1	73,2	73,4	73,5	73,7	73,8	74,0	74,1	74,3	74,4	74,6	74,7	74,9	75,0
Total LE	71,8	71,9	72,0	72,1	72,3	72,4	72,6	72,7	72,8	73,0	73,1	73,3	73,4	73,5	73,7	73,8
IMR	22,7	22,2	21,7	21,2	20,8	20,3	19,9	19,5	19,1	18,7	18,3	17,9	17,4	17,0	16,6	16,2
U5MR	26,9	26,3	25,6	25,0	24,4	23,9	23,4	22,8	22,3	21,8	21,3	20,7	20,2	19,7	19,2	18,7
Life table: Coale-Demeny West																
Immigration																
Male immigration	-47	-47	-47	-47	-47	-47	-47	-47	-47	-47	-47	-47	-47	-47	-47	-47
Female immigration	-59	-59	-59	-59	-59	-59	-59	-59	-59	-59	-59	-59	-59	-59	-59	-59
Total immigration	-106	-106	-106	-106	-106	-106	-106	-106	-106	-106	-106	-106	-106	-106	-106	-106
Vital Rates																
CBR per 1000	11,5	11,3	11,2	11,0	10,8	10,6	10,4	10,2	10,0	9,8	9,7	9,5	9,3	9,1	9,0	8,8
CDR per 1000	10,5	10,4	10,5	10,6	10,7	10,7	10,8	10,8	10,8	10,9	11,0	11,1	11,3	11,4	11,6	11,8
RNI percent	0,10	0,09	0,06	0,03	0,01	-0,02	-0,03	-0,06	-0,08	-0,11	-0,13	-0,16	-0,20	-0,23	-0,26	-0,29
GR percent	0,05	0,04	0,01	-0,02	-0,04	-0,07	-0,08	-0,11	-0,13	-0,16	-0,18	-0,21	-0,25	-0,28	-0,31	-0,34
Doubling time	1390,0	1785,3	5706,5	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
Annual Births&Deaths																
Births	2.477	2.437	2.413	2.371	2.327	2.282	2.250	2.204	2.157	2.111	2.079	2.033	1.988	1.944	1.914	1.871
Deaths	2.263	2.247	2.281	2.301	2.311	2.316	2.323	2.328	2.335	2.346	2.363	2.384	2.409	2.435	2.463	2.491
Population																
Total population	216.246	216.346	216.389	216.370	216.296	216.172	216.010	215.795	215.528	215.203	214.829	214.389	213.878	213.296	212.656	211.947
Male population	106.807	106.920	107.000	107.047	107.063	107.052	107.019	106.958	106.868	106.747	106.600	106.419	106.200	105.945	105.660	105.338
Female population	109.439	109.427	109.389	109.323	109.233	109.120	108.991	108.837	108.660	108.456	108.229	107.970	107.677	107.350	106.996	106.608
Percent 0-4	6,43	6,28	6,12	5,94	5,73	5,48	5,41	5,32	5,23	5,14	5,06	4,98	4,89	4,81	4,73	4,66
Percent 5-14	14,23	14,05	13,90	13,79	13,71	13,65	13,44	13,23	13,02	12,81	12,59	12,39	12,17	11,92	11,64	11,35
Percent 15-49	52,01	51,80	51,57	51,32	51,08	50,84	50,59	50,34	50,08	49,79	49,49	49,13	48,76	48,41	48,07	47,77
Percent 15-64	68,49	68,70	68,89	69,06	69,19	69,30	69,36	69,39	69,39	69,37	69,32	69,23	69,14	69,05	68,97	68,90
Percent 65 and over	10,86	10,97	11,09	11,22	11,37	11,57	11,80	12,06	12,36	12,68	13,03	13,40	13,80	14,22	14,65	15,10
Percent females 15-49	51,80	51,54	51,25	50,95	50,64	50,33	50,02	49,71	49,38	49,04	48,68	48,28	47,88	47,51	47,15	46,83
Sex ratio	97,60	97,71	97,82	97,92	98,01	98,10	98,19	98,27	98,35	98,42	98,50	98,56	98,63	98,69	98,75	98,81
Dependency ratio	0,46	0,46	0,45	0,45	0,45	0,44	0,44	0,44	0,44	0,44	0,44	0,44	0,44	0,45	0,45	0,45
Median age	34	35	35	36	36	36	37	37	38	38	39	39	40	40	40	41
Urban population	143.241	145.341	147.426	149.447	151.451	153.396	155.333	157.207	159.038	160.843	162.583	164.286	165.905	167.480	168.977	170.426
Rural population	73.005	71.005	68.963	66.923	64.846	62.776	60.677	58.588	56.490	54.360	52.247	50.103	47.973	45.816	43.680	41.520
Percent urban	66,24	67,18	68,13	69,07	70,02	70,96	71,91	72,85	73,79	74,74	75,68	76,63	77,57	78,52	79,46	80,41
Percent rural	33,76	32,82	31,87	30,93	29,98	29,04	28,09	27,15	26,21	25,26	24,32	23,37	22,43	21,48	20,54	19,59

Table D.78.b Age groups and sex distribution for every five years from the population projection of 78-Karabük province

Population by Age and Sex - Total							
78-Karabük							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	13.895	7.205	6.690	0-4	11.856	6.046	5.811
5-9	14.802	7.687	7.115	5-9	14.352	7.437	6.915
10-14	15.968	8.249	7.719	10-14	15.160	7.896	7.264
15-19	16.823	8.573	8.250	15-19	15.365	8.016	7.348
20-24	16.136	8.194	7.942	20-24	15.950	8.239	7.711
25-29	16.736	8.396	8.340	25-29	15.002	7.519	7.483
30-34	16.129	7.843	8.286	30-34	15.750	7.661	8.089
35-39	16.433	8.099	8.334	35-39	16.221	7.894	8.327
40-44	15.360	7.493	7.867	40-44	16.479	8.243	8.236
45-49	14.862	7.196	7.666	45-49	15.127	7.401	7.726
50-54	13.994	6.877	7.117	50-54	14.739	7.150	7.589
55-59	12.014	6.001	6.013	55-59	13.771	6.743	7.028
60-64	9.616	4.604	5.012	60-64	11.395	5.629	5.766
65-69	7.988	3.682	4.306	65-69	8.769	4.146	4.623
70-74	5.919	2.724	3.195	70-74	6.840	3.078	3.761
75-79	5.885	2.618	3.267	75-79	4.549	2.018	2.531
80+	3.686	1.366	2.320	80+	4.849	1.937	2.912
TOTAL	216.246	106.807	109.439	TOTAL	216.172	107.052	109.120
2018	Total	Male	Female	2023	Total	Male	Female
0-4	10.875	5.542	5.333	0-4	9.867	5.025	4.842
5-9	12.327	6.284	6.043	5-9	11.354	5.784	5.570
10-14	14.713	7.647	7.066	10-14	12.695	6.498	6.197
15-19	14.563	7.666	6.897	15-19	14.121	7.420	6.701
20-24	14.503	7.688	6.815	20-24	13.710	7.342	6.368
25-29	14.825	7.567	7.257	25-29	13.391	7.022	6.369
30-34	14.034	6.792	7.242	30-34	13.866	6.844	7.022
35-39	15.855	7.718	8.137	35-39	14.159	6.858	7.301
40-44	16.283	8.046	8.236	40-44	15.933	7.878	8.055
45-49	16.247	8.149	8.098	45-49	16.072	7.964	8.108
50-54	15.021	7.362	7.658	50-54	16.139	8.105	8.034
55-59	14.516	7.020	7.497	55-59	14.820	7.242	7.578
60-64	13.083	6.338	6.744	60-64	13.824	6.617	7.207
65-69	10.410	5.078	5.332	65-69	11.987	5.735	6.252
70-74	7.536	3.483	4.052	70-74	8.969	4.281	4.687
75-79	5.284	2.298	2.986	75-79	5.850	2.619	3.230
80+	4.755	1.921	2.834	80+	5.189	2.102	3.087
TOTAL	214.829	106.600	108.229	TOTAL	211.947	105.338	106.608

Table D.79.a Summary table for annual results of the population projection of 79-Kilis province

79-Kilis	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	2,72	2,67	2,61	2,56	2,50	2,45	2,39	2,34	2,28	2,23	2,17	2,12	2,06	2,01	1,95	1,90
GRR	1,33	1,30	1,27	1,25	1,22	1,20	1,17	1,14	1,11	1,09	1,06	1,03	1,00	0,98	0,95	0,93
NRR	1,26	1,24	1,21	1,19	1,16	1,14	1,11	1,09	1,06	1,04	1,02	0,99	0,97	0,94	0,92	0,89
Mean A. Childb.	29,4	29,3	29,3	29,2	29,2	29,1	29,1	29,0	29,0	28,9	28,9	28,8	28,8	28,7	28,7	28,6
Child-woman ratio	0,47	0,45	0,43	0,41	0,39	0,37	0,36	0,35	0,35	0,34	0,33	0,32	0,31	0,30	0,29	0,28
Fertility table: Custom																
Mortality																
Male LE	69,2	69,4	69,5	69,6	69,7	69,8	69,9	70,0	70,2	70,3	70,4	70,5	70,6	70,7	70,8	70,9
Female LE	72,6	72,6	72,7	72,9	73,0	73,1	73,2	73,3	73,4	73,6	73,7	73,8	73,9	74,0	74,2	74,3
Total LE	70,9	71,0	71,1	71,2	71,3	71,5	71,6	71,7	71,8	71,9	72,0	72,1	72,2	72,3	72,4	72,6
IMR	31,7	31,2	30,7	30,2	29,7	29,3	28,8	28,3	27,8	27,3	26,9	26,5	26,0	25,6	25,2	24,8
U5MR	36,2	35,6	35,0	34,4	33,8	33,2	32,7	32,0	31,4	30,8	30,3	29,8	29,3	28,8	28,3	27,8
Life table: Coale-Demeny East																
Immigration																
Male immigration	281	281	281	281	281	281	281	281	281	281	281	281	281	281	281	281
Female immigration	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106	106
Total immigration	387	387	387	387	387	387	387	387	387	387	387	387	387	387	387	387
Vital Rates																
CBR per 1000	20,7	20,3	19,8	19,3	18,8	18,3	17,8	17,3	16,8	16,3	15,8	15,4	14,9	14,6	14,1	13,8
CDR per 1000	8,0	7,8	7,7	7,6	7,5	7,4	7,3	7,3	7,2	7,2	7,2	7,2	7,2	7,2	7,2	7,3
RNI percent	1,28	1,25	1,21	1,17	1,13	1,09	1,04	1,00	0,96	0,91	0,86	0,82	0,77	0,73	0,69	0,65
GR percent	1,60	1,57	1,52	1,48	1,43	1,39	1,34	1,29	1,24	1,20	1,14	1,10	1,05	1,00	0,95	0,91
Doubling time	43,8	44,6	46,0	47,2	48,8	50,3	52,2	54,0	56,2	58,3	61,0	63,4	66,5	69,4	73,0	76,3
Annual Births&Deaths																
Births	2.508	2.496	2.470	2.449	2.415	2.387	2.348	2.317	2.274	2.240	2.196	2.162	2.119	2.087	2.045	2.015
Deaths	963	957	960	963	964	966	969	973	978	986	995	1.006	1.019	1.034	1.050	1.068
Population																
Total population	120.991	122.932	124.843	126.731	128.584	130.407	132.188	133.934	135.631	137.288	138.891	140.448	141.950	143.405	144.802	146.151
Male population	59.787	60.882	61.959	63.023	64.067	65.095	66.101	67.087	68.048	68.986	69.897	70.783	71.639	72.470	73.270	74.043
Female population	61.204	62.050	62.884	63.708	64.517	65.312	66.087	66.847	67.584	68.301	68.994	69.666	70.311	70.935	71.532	72.107
Percent 0-4	11,70	11,28	10,84	10,38	9,89	9,38	9,15	8,93	8,69	8,47	8,24	8,03	7,81	7,61	7,41	7,22
Percent 5-14	21,16	21,20	21,22	21,24	21,27	21,33	21,10	20,87	20,61	20,32	19,98	19,46	18,93	18,36	17,77	17,16
Percent 15-49	49,84	50,09	50,33	50,54	50,74	50,90	51,03	51,15	51,26	51,38	51,52	51,81	52,09	52,39	52,70	53,03
Percent 15-64	59,99	60,44	60,90	61,37	61,84	62,28	62,71	63,12	63,55	63,99	64,49	65,15	65,82	66,50	67,18	67,83
Percent 65 and over	7,15	7,08	7,03	7,01	7,00	7,01	7,04	7,08	7,15	7,22	7,29	7,36	7,44	7,53	7,64	7,79
Percent females 15-49	49,43	49,59	49,76	49,92	50,08	50,22	50,34	50,45	50,56	50,67	50,81	51,03	51,26	51,52	51,80	52,09
Sex ratio	97,68	98,12	98,53	98,92	99,30	99,67	100,02	100,36	100,69	101,00	101,31	101,60	101,89	102,16	102,43	102,69
Dependency ratio	0,67	0,65	0,64	0,63	0,62	0,61	0,59	0,58	0,57	0,56	0,55	0,53	0,52	0,50	0,49	0,47
Median age	24	25	25	25	26	26	26	27	27	27	28	28	29	29	29	30
Urban population	78.700	80.557	82.409	84.263	86.113	87.973	89.809	91.637	93.450	95.264	97.043	98.805	100.543	102.276	103.968	105.638
Rural population	42.291	42.375	42.434	42.468	42.471	42.435	42.379	42.296	42.181	42.024	41.848	41.643	41.407	41.129	40.834	40.513
Percent urban	65,05	65,53	66,01	66,49	66,97	67,46	67,94	68,42	68,90	69,39	69,87	70,35	70,83	71,32	71,80	72,28
Percent rural	34,95	34,47	33,99	33,51	33,03	32,54	32,06	31,58	31,10	30,61	30,13	29,65	29,17	28,68	28,20	27,72

Table D.79.b Age groups and sex distribution for every five years from the population projection of 79-Kilis province

Population by Age and Sex - Total 79-Kilis							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	14.153	7.333	6.820	0-4	12.233	6.215	6.018
5-9	12.816	6.350	6.466	5-9	14.655	7.575	7.080
10-14	12.790	6.442	6.348	10-14	13.161	6.547	6.614
15-19	11.771	6.066	5.705	15-19	12.811	6.522	6.289
20-24	10.265	4.991	5.274	20-24	10.698	5.670	5.028
25-29	9.563	4.749	4.814	25-29	9.356	4.540	4.815
30-34	8.149	3.895	4.254	30-34	9.850	4.822	5.029
35-39	7.743	3.908	3.835	35-39	8.520	4.176	4.344
40-44	6.917	3.479	3.438	40-44	7.997	4.190	3.807
45-49	5.890	2.955	2.935	45-49	7.144	3.657	3.486
50-54	4.540	2.264	2.276	50-54	6.048	3.043	3.004
55-59	4.165	1.998	2.167	55-59	4.671	2.306	2.366
60-64	3.579	1.614	1.965	60-64	4.126	1.932	2.194
65-69	2.838	1.278	1.560	65-69	3.316	1.455	1.861
70-74	2.211	988	1.223	70-74	2.387	1.052	1.335
75-79	1.952	905	1.047	75-79	1.640	701	939
80+	1.649	572	1.077	80+	1.795	691	1.103
TOTAL	120.991	59.787	61.204	TOTAL	130.407	65.095	65.312
2018	Total	Male	Female	2023	Total	Male	Female
0-4	11.449	5.815	5.634	0-4	10.553	5.356	5.198
5-9	12.750	6.466	6.284	5-9	11.974	6.069	5.905
10-14	14.999	7.771	7.228	10-14	13.099	6.665	6.435
15-19	13.184	6.628	6.556	15-19	15.020	7.850	7.170
20-24	11.737	6.125	5.612	20-24	12.113	6.233	5.880
25-29	9.789	5.217	4.572	25-29	10.828	5.672	5.156
30-34	9.648	4.616	5.032	30-34	10.082	5.291	4.791
35-39	10.214	5.098	5.116	35-39	10.018	4.896	5.122
40-44	8.772	4.458	4.314	40-44	10.457	5.374	5.083
45-49	8.213	4.359	3.853	45-49	8.985	4.627	4.358
50-54	7.277	3.729	3.548	50-54	8.327	4.416	3.911
55-59	6.127	3.051	3.076	55-59	7.317	3.708	3.609
60-64	4.609	2.221	2.388	60-64	5.987	2.915	3.072
65-69	3.816	1.740	2.077	65-69	4.264	2.001	2.264
70-74	2.801	1.201	1.600	70-74	3.233	1.440	1.793
75-79	1.784	753	1.031	75-79	2.105	865	1.240
80+	1.720	649	1.071	80+	1.786	666	1.120
TOTAL	138.891	69.897	68.994	TOTAL	146.151	74.043	72.107

Table D.80.a Summary table for annual results of the population projection of 80-Osmaniye province

80-Osmaniye	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	2,61	2,58	2,56	2,54	2,51	2,49	2,47	2,44	2,42	2,39	2,37	2,35	2,32	2,30	2,28	2,25
GRR	1,27	1,26	1,25	1,24	1,22	1,21	1,20	1,19	1,18	1,17	1,16	1,15	1,13	1,12	1,11	1,10
NRR	1,21	1,20	1,19	1,18	1,17	1,16	1,15	1,14	1,13	1,12	1,11	1,10	1,09	1,08	1,07	1,05
Mean A. Childb.	27,1	27,2	27,3	27,4	27,5	27,6	27,7	27,8	27,9	28,0	28,1	28,2	28,3	28,4	28,5	28,6
Child-woman ratio	0,38	0,38	0,38	0,38	0,38	0,38	0,37	0,37	0,36	0,36	0,35	0,35	0,35	0,34	0,34	0,34
Fertility table: Custom																
Mortality																
Male LE	69,1	69,1	69,2	69,3	69,5	69,6	69,7	69,9	70,0	70,1	70,3	70,4	70,5	70,7	70,8	71,0
Female LE	71,3	71,4	71,5	71,6	71,7	71,9	72,0	72,1	72,3	72,4	72,5	72,7	72,8	72,9	73,1	73,2
Total LE	70,2	70,2	70,3	70,5	70,6	70,7	70,9	71,0	71,1	71,3	71,4	71,5	71,7	71,8	71,9	72,1
IMR	28,3	27,9	27,4	26,9	26,5	26,0	25,5	25,1	24,6	24,2	23,7	23,2	22,8	22,3	21,8	21,4
U5MR	34,3	33,7	33,1	32,5	31,9	31,3	30,7	30,1	29,5	28,8	28,2	27,6	27,0	26,4	25,8	25,2
Life table: Coale-Demeny West																
Immigration																
Male immigration	549	549	549	549	549	549	549	549	549	549	549	549	549	549	549	549
Female immigration	577	577	577	577	577	577	577	577	577	577	577	577	577	577	577	577
Total immigration	1.126	1.126	1.126	1.126	1.126	1.126	1.126	1.126	1.126	1.126	1.126	1.126	1.126	1.126	1.126	1.126
Vital Rates																
CBR per 1000	21,4	21,0	20,7	20,4	20,1	19,8	19,5	19,2	18,9	18,6	18,4	18,1	17,8	17,6	17,4	17,1
CDR per 1000	7,2	7,0	7,0	6,9	6,9	6,8	6,8	6,7	6,7	6,7	6,7	6,8	6,8	6,9	6,9	7,0
RNI percent	1,42	1,40	1,37	1,35	1,32	1,30	1,28	1,24	1,22	1,19	1,16	1,14	1,10	1,07	1,04	1,01
GR percent	1,66	1,64	1,61	1,58	1,55	1,52	1,50	1,46	1,44	1,40	1,37	1,34	1,30	1,27	1,24	1,20
Doubling time	42,1	42,7	43,4	44,2	45,1	45,9	46,7	47,8	48,6	49,8	50,9	52,0	53,5	54,8	56,2	58,0
Annual Births&Deaths																
Births	9.922	9.914	9.940	9.962	9.942	9.960	9.977	9.953	9.968	9.939	9.946	9.949	9.908	9.908	9.906	9.856
Deaths	3.327	3.303	3.342	3.372	3.399	3.427	3.460	3.497	3.539	3.589	3.649	3.716	3.789	3.869	3.953	4.039
Population																
Total population	464.702	472.483	480.250	488.009	495.722	503.425	511.111	518.737	526.335	533.853	541.319	548.721	556.009	563.217	570.339	577.325
Male population	232.116	236.134	240.135	244.125	248.083	252.031	255.964	259.862	263.741	267.575	271.379	275.145	278.849	282.508	286.119	289.656
Female population	232.586	236.349	240.115	243.885	247.639	251.394	255.147	258.875	262.594	266.278	269.941	273.576	277.160	280.709	284.220	287.669
Percent 0-4	9,97	9,97	9,97	9,95	9,91	9,85	9,72	9,59	9,46	9,33	9,20	9,08	8,95	8,83	8,72	8,61
Percent 5-14	20,14	19,92	19,69	19,47	19,27	19,08	18,98	18,90	18,82	18,73	18,64	18,55	18,45	18,34	18,22	18,09
Percent 15-49	52,60	52,56	52,53	52,49	52,45	52,40	52,33	52,26	52,17	52,05	51,91	51,74	51,55	51,35	51,18	51,03
Percent 15-64	64,21	64,43	64,65	64,86	65,06	65,21	65,34	65,44	65,51	65,57	65,62	65,65	65,69	65,73	65,76	65,81
Percent 65 and over	5,67	5,67	5,69	5,72	5,77	5,85	5,95	6,08	6,22	6,38	6,54	6,72	6,91	7,10	7,30	7,50
Percent females 15-49	52,62	52,58	52,55	52,51	52,48	52,43	52,38	52,33	52,26	52,17	52,05	51,88	51,70	51,52	51,35	51,23
Sex ratio	99,80	99,91	100,01	100,10	100,18	100,25	100,32	100,38	100,44	100,49	100,53	100,57	100,61	100,64	100,67	100,69
Dependency ratio	0,56	0,55	0,55	0,54	0,54	0,53	0,53	0,53	0,53	0,53	0,52	0,52	0,52	0,52	0,52	0,52
Median age	26	27	27	27	27	27	28	28	28	28	28	29	29	29	29	30
Urban population	306.357	314.674	323.112	331.602	340.165	348.873	357.624	366.488	375.382	384.374	393.377	402.487	411.558	420.723	429.865	439.055
Rural population	158.345	157.809	157.138	156.407	155.558	154.551	153.487	152.249	150.953	149.479	147.943	146.234	144.451	142.494	140.475	138.269
Percent urban	65,93	66,60	67,28	67,95	68,62	69,30	69,97	70,65	71,32	72,00	72,67	73,35	74,02	74,70	75,37	76,05
Percent rural	34,07	33,40	32,72	32,05	31,38	30,70	30,03	29,35	28,68	28,00	27,33	26,65	25,98	25,30	24,63	23,95

Table D.80.b Age groups and sex distribution for every five years from the population projection of 80-Osmaniye province

Population by Age and Sex - Total							
80-Osmaniye							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	46.332	23.883	22.449	0-4	49.610	25.421	24.190
5-9	46.550	23.806	22.744	5-9	48.100	24.709	23.391
10-14	47.052	24.123	22.929	10-14	47.954	24.441	23.514
15-19	44.018	22.481	21.537	15-19	46.769	23.990	22.779
20-24	38.339	18.647	19.692	20-24	41.956	20.859	21.096
25-29	39.100	19.683	19.417	25-29	36.712	17.163	19.549
30-34	33.966	16.769	17.197	30-34	39.247	19.627	19.620
35-39	33.566	16.469	17.097	35-39	35.317	17.851	17.466
40-44	29.211	14.746	14.465	40-44	34.506	17.509	16.998
45-49	26.241	13.259	12.982	45-49	29.281	14.976	14.305
50-54	22.541	11.377	11.164	50-54	25.842	13.130	12.712
55-59	18.122	9.075	9.047	55-59	21.796	10.973	10.822
60-64	13.294	6.223	7.071	60-64	16.881	8.352	8.529
65-69	9.702	4.450	5.252	65-69	11.840	5.446	6.394
70-74	6.485	2.919	3.566	70-74	8.010	3.581	4.429
75-79	5.788	2.683	3.105	75-79	4.707	2.049	2.658
80+	4.395	1.523	2.872	80+	4.897	1.954	2.943
TOTAL	464.702	232.116	232.586	TOTAL	503.425	252.031	251.394
2018	Total	Male	Female	2023	Total	Male	Female
0-4	49.803	25.525	24.278	0-4	49.682	25.469	24.214
5-9	51.394	26.257	25.137	5-9	51.618	26.378	25.240
10-14	49.513	25.348	24.165	10-14	52.812	26.899	25.913
15-19	47.683	24.314	23.369	15-19	49.252	25.227	24.025
20-24	44.713	22.370	22.343	20-24	45.644	22.704	22.940
25-29	40.329	19.373	20.956	25-29	43.096	20.888	22.209
30-34	36.899	17.136	19.763	30-34	40.520	19.344	21.175
35-39	40.582	20.699	19.883	35-39	38.280	18.241	20.038
40-44	36.269	18.892	17.377	40-44	41.513	21.729	19.785
45-49	34.521	17.709	16.812	45-49	36.295	19.091	17.204
50-54	28.840	14.819	14.021	50-54	33.991	17.502	16.489
55-59	24.998	12.665	12.333	55-59	27.925	14.306	13.619
60-64	20.354	10.128	10.225	60-64	23.401	11.723	11.679
65-69	15.085	7.342	7.743	65-69	18.255	8.938	9.317
70-74	9.835	4.413	5.421	70-74	12.590	5.990	6.600
75-79	5.874	2.542	3.332	75-79	7.267	3.162	4.105
80+	4.628	1.845	2.783	80+	5.184	2.067	3.117
TOTAL	541.319	271.379	269.941	TOTAL	577.325	289.656	287.669

Table D.81.a Summary table for annual results of the population projection of 81-Düzce province

81-Düzce	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Fertility																
Input TFR	1,86	1,83	1,81	1,78	1,75	1,73	1,70	1,68	1,65	1,62	1,60	1,57	1,55	1,52	1,49	1,47
GRR	0,91	0,89	0,88	0,87	0,85	0,84	0,83	0,82	0,80	0,79	0,78	0,77	0,76	0,74	0,73	0,72
NRR	0,88	0,87	0,86	0,84	0,83	0,82	0,81	0,80	0,79	0,77	0,76	0,75	0,74	0,73	0,71	0,71
Mean A. Childb.	27,0	27,2	27,3	27,4	27,5	27,6	27,7	27,8	27,9	28,0	28,1	28,2	28,3	28,4	28,5	28,6
Child-woman ratio	0,29	0,29	0,28	0,28	0,27	0,26	0,26	0,25	0,25	0,24	0,24	0,24	0,23	0,23	0,22	0,22
Fertility table: Custom																
Mortality																
Male LE	71,9	71,8	72,0	72,1	72,3	72,4	72,6	72,7	72,9	73,1	73,2	73,4	73,5	73,7	73,9	74,0
Female LE	74,1	74,2	74,5	74,8	75,0	75,2	75,5	75,7	75,9	76,1	76,4	76,6	76,8	77,1	77,3	77,6
Total LE	73,0	73,0	73,2	73,5	73,7	73,8	74,0	74,2	74,4	74,6	74,8	75,0	75,2	75,4	75,6	75,8
IMR	19,1	18,5	17,9	17,3	16,7	16,2	15,8	15,3	14,8	14,3	13,9	13,4	12,9	12,4	12,0	11,5
U5MR	22,3	21,5	20,8	20,0	19,3	18,7	18,1	17,6	17,0	16,4	15,9	15,3	14,7	14,2	13,6	13,0
Life table: Coale-Demeny West																
Immigration																
Male immigration	759	759	759	759	759	759	759	759	759	759	759	759	759	759	759	759
Female immigration	1.051	1.051	1.051	1.051	1.051	1.051	1.051	1.051	1.051	1.051	1.051	1.051	1.051	1.051	1.051	1.051
Total immigration	1.810	1.810	1.810	1.810	1.810	1.810	1.810	1.810	1.810	1.810	1.810	1.810	1.810	1.810	1.810	1.810
Vital Rates																
CBR per 1000	15,2	14,9	14,7	14,4	14,1	13,8	13,5	13,3	13,0	12,7	12,5	12,2	12,0	11,7	11,4	11,2
CDR per 1000	7,7	7,5	7,5	7,4	7,4	7,4	7,3	7,3	7,3	7,3	7,3	7,3	7,3	7,4	7,4	7,5
RNI percent	0,76	0,75	0,72	0,69	0,67	0,65	0,62	0,60	0,57	0,55	0,52	0,49	0,47	0,43	0,40	0,37
GR percent	1,31	1,29	1,26	1,22	1,19	1,17	1,13	1,11	1,07	1,04	1,01	0,98	0,95	0,91	0,87	0,84
Doubling time	53,3	54,1	55,4	57,0	58,6	59,8	61,5	62,9	64,8	67,0	68,8	71,4	73,6	76,6	79,8	82,7
Annual Births&Deaths																
Births	5.004	4.968	4.954	4.909	4.860	4.837	4.785	4.758	4.701	4.642	4.610	4.545	4.510	4.446	4.382	4.346
Deaths	2.515	2.485	2.519	2.542	2.558	2.573	2.589	2.606	2.625	2.649	2.680	2.717	2.758	2.803	2.850	2.900
Population																
Total population	328.610	332.929	337.201	341.404	345.542	349.642	353.673	357.661	361.573	365.401	369.165	372.829	376.416	379.894	383.261	386.540
Male population	163.656	165.754	167.821	169.846	171.831	173.790	175.707	177.594	179.434	181.224	182.975	184.666	186.311	187.893	189.409	190.874
Female population	164.954	167.175	169.380	171.558	173.710	175.852	177.966	180.068	182.139	184.176	186.191	188.163	190.105	192.002	193.851	195.667
Percent 0-4	7,83	7,71	7,58	7,43	7,26	7,07	6,95	6,82	6,69	6,57	6,44	6,32	6,20	6,08	5,96	5,84
Percent 5-14	16,91	16,65	16,40	16,15	15,92	15,71	15,44	15,18	14,92	14,66	14,40	14,20	13,99	13,77	13,52	13,26
Percent 15-49	53,91	53,83	53,75	53,67	53,59	53,52	53,46	53,40	53,33	53,24	53,12	52,92	52,71	52,49	52,28	52,07
Percent 15-64	67,40	67,77	68,13	68,49	68,83	69,14	69,43	69,68	69,90	70,09	70,22	70,25	70,26	70,25	70,24	70,23
Percent 65 and over	7,86	7,88	7,90	7,93	7,99	8,08	8,19	8,32	8,49	8,69	8,94	9,23	9,55	9,91	10,28	10,66
Percent females 15-49	53,57	53,52	53,46	53,40	53,36	53,33	53,31	53,29	53,27	53,24	53,16	53,00	52,82	52,64	52,47	52,31
Sex ratio	99,21	99,15	99,08	99,00	98,92	98,83	98,73	98,63	98,52	98,40	98,27	98,14	98,00	97,86	97,71	97,55
Dependency ratio	0,48	0,48	0,47	0,46	0,45	0,45	0,44	0,44	0,43	0,43	0,42	0,42	0,42	0,42	0,42	0,42
Median age	30	31	31	32	32	32	33	33	33	34	34	34	35	35	35	36
Urban population	141.931	150.018	158.282	166.639	175.121	183.772	192.504	201.363	210.363	219.423	228.587	237.865	247.192	256.581	266.060	275.565
Rural population	186.679	182.911	178.919	174.765	170.421	165.870	161.169	156.298	151.210	145.978	140.578	134.964	129.224	123.314	117.201	110.976
Percent urban	43,19	45,06	46,94	48,81	50,68	52,56	54,43	56,30	58,18	60,05	61,92	63,80	65,67	67,54	69,42	71,29
Percent rural	56,81	54,94	53,06	51,19	49,32	47,44	45,57	43,70	41,82	39,95	38,08	36,20	34,33	32,46	30,58	28,71

Table D.81.b Age groups and sex distribution for every five years from the population projection of 81-Düzce province

Population by Age and Sex - Total 81-Düzce							
2008	Total	Male	Female	2013	Total	Male	Female
0-4	25.722	13.066	12.656	0-4	24.733	12.620	12.113
5-9	27.477	13.992	13.485	5-9	26.683	13.506	13.177
10-14	28.093	14.366	13.727	10-14	28.248	14.285	13.962
15-19	27.026	13.834	13.192	15-19	28.125	14.328	13.797
20-24	24.938	11.830	13.108	20-24	27.043	13.507	13.535
25-29	28.950	14.531	14.419	25-29	25.510	11.606	13.904
30-34	26.944	13.712	13.232	30-34	29.940	14.922	15.019
35-39	25.211	12.643	12.568	35-39	28.085	14.481	13.603
40-44	22.603	11.513	11.090	40-44	25.698	13.025	12.674
45-49	21.485	10.732	10.753	45-49	22.742	11.497	11.245
50-54	18.932	9.596	9.336	50-54	21.708	10.768	10.940
55-59	14.287	7.138	7.149	55-59	18.978	9.657	9.321
60-64	11.097	5.393	5.704	60-64	13.911	6.961	6.950
65-69	8.946	4.102	4.844	65-69	10.258	4.895	5.362
70-74	6.605	2.963	3.642	70-74	7.643	3.433	4.210
75-79	6.104	2.713	3.391	75-79	5.057	2.216	2.841
80+	4.190	1.532	2.658	80+	5.280	2.082	3.198
TOTAL	328.610	163.656	164.954	TOTAL	349.642	173.790	175.852
2018	Total	Male	Female	2023	Total	Male	Female
0-4	23.782	12.129	11.653	0-4	22.592	11.517	11.075
5-9	25.709	13.066	12.643	5-9	24.770	12.581	12.189
10-14	27.460	13.802	13.658	10-14	26.493	13.366	13.126
15-19	28.288	14.252	14.036	15-19	27.509	13.773	13.736
20-24	28.151	14.005	14.146	20-24	28.325	13.935	14.390
25-29	27.622	13.283	14.339	25-29	28.742	13.786	14.955
30-34	26.533	12.017	14.517	30-34	28.654	13.694	14.960
35-39	31.089	15.694	15.395	35-39	27.720	12.812	14.908
40-44	28.579	14.861	13.718	40-44	31.594	16.078	15.517
45-49	25.837	13.005	12.831	45-49	28.726	14.838	13.888
50-54	22.986	11.537	11.449	50-54	26.077	13.037	13.040
55-59	21.720	10.807	10.912	55-59	23.026	11.579	11.447
60-64	18.410	9.346	9.064	60-64	21.097	10.460	10.637
65-69	12.891	6.332	6.559	65-69	17.100	8.517	8.583
70-74	8.832	4.124	4.708	70-74	11.190	5.370	5.820
75-79	5.924	2.592	3.332	75-79	6.919	3.137	3.781
80+	5.352	2.122	3.230	80+	6.006	2.393	3.613
TOTAL	369.165	182.975	186.191	TOTAL	386.540	190.874	195.667