

POPULATION CENSUSES AND DATA SOURCES FOR POPULATION STATISTICS IN TÜRKİYE

Online Training Course on 'Conducting a Census Based on Administrative Records'



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Demographic Statistics Department

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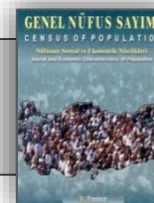
Mehmet Şaban UCARI,
Expert

Content

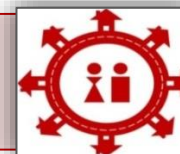
DAY 1



**HISTORY OF POPULATION CENSUSES (1927-2000) &
DATA SOURCES FOR POPULATION STATISTICS**



**ADDRESS BASED POPULATION REGISTRATION SYSTEM (2007-2021-...)
CURRENT POPULATION FIGURES**



2011 POPULATION and HOUSING CENSUS



DAY 2

LEGAL BASE



2021 POPULATION and HOUSING CENSUS

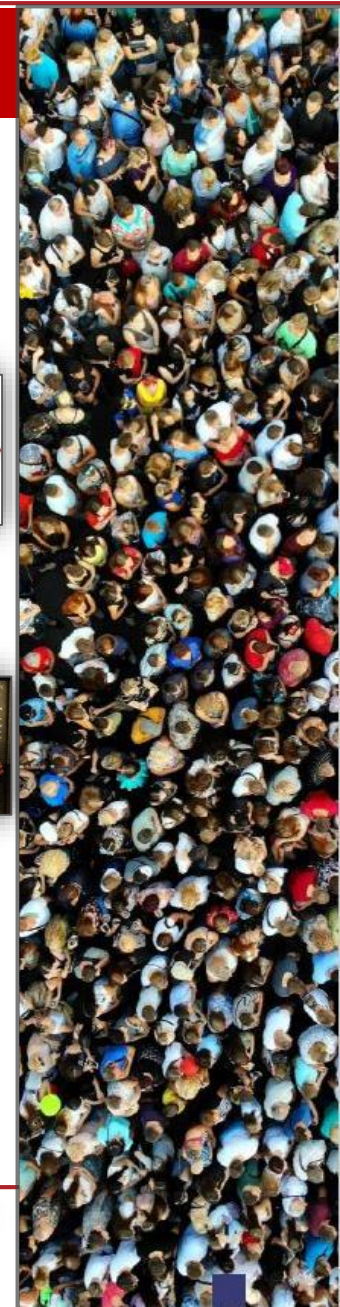
"POPULATION CHARACTERISTICS DATABASE (PCDB)" (for census and beyond)



SURVEY ON BUILDING & DWELLING CHARACTERISTICS

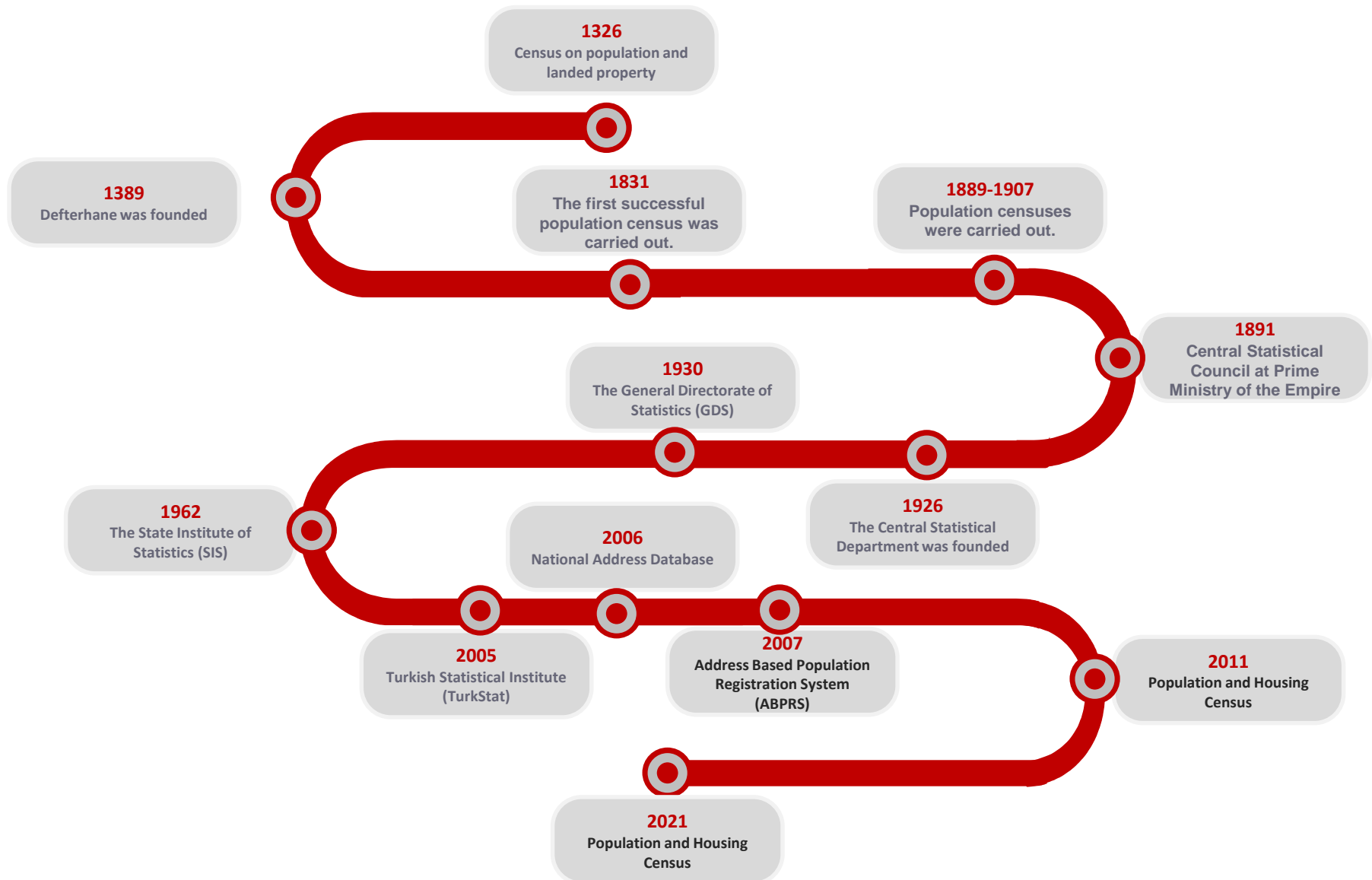


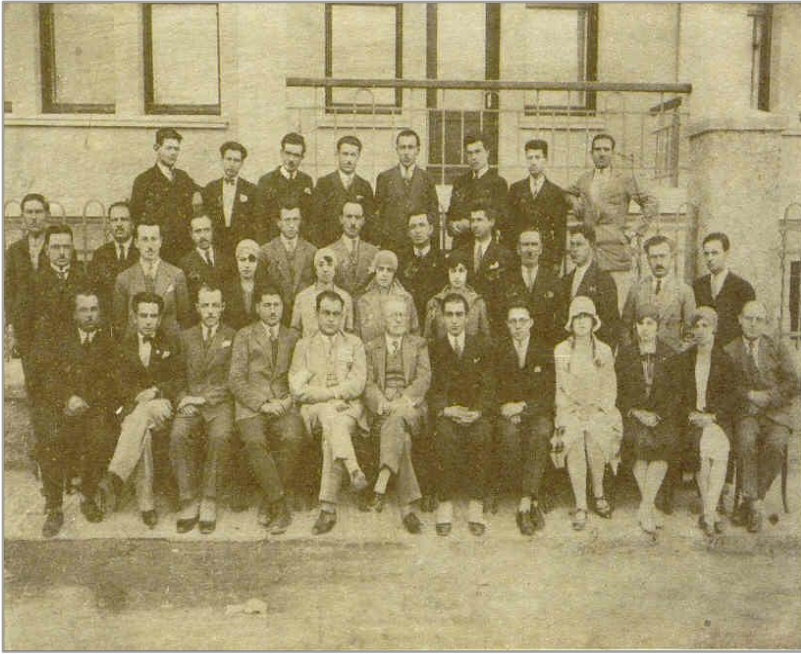
QUALITY ASSURANCE





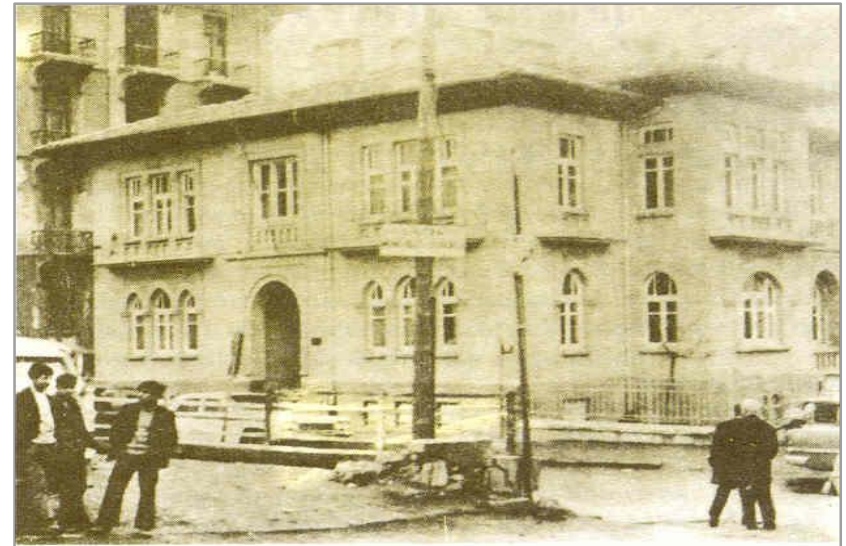
TURKSTAT





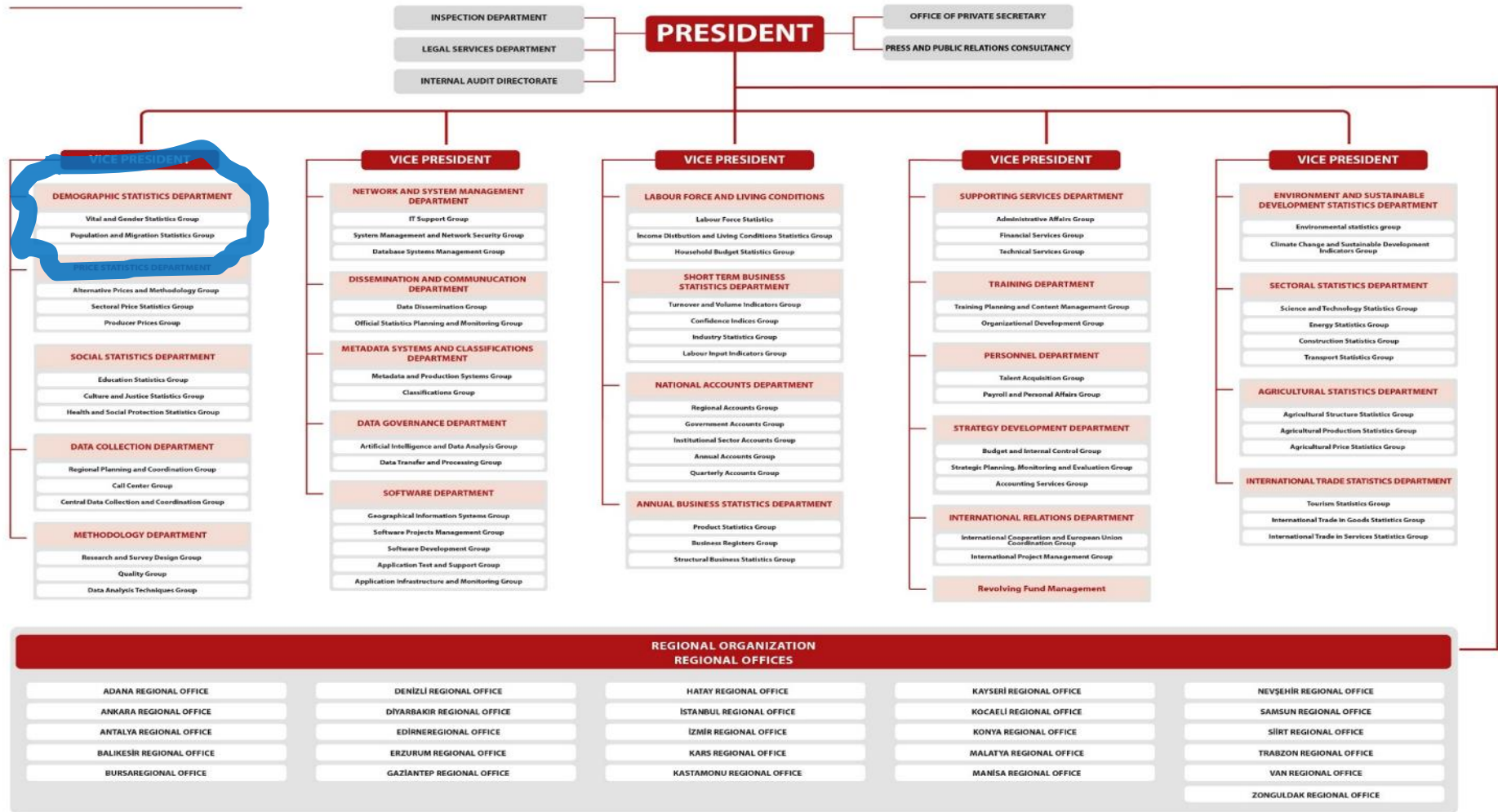
**Staff of the General
Directorate of Statistics
(GDS)**

First Building of GDS





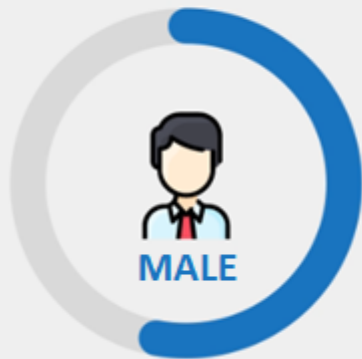
ORGANIZATION CHART



Regional Organization



Staff Statistics



%53



%47

HEADQUARTERS

%33

REGIONS

%67



- **%11** Postgraduate
- **%54** Bachelor
- **%18** Higher Educational Institutions
- **%13** High School
- **%4** Others

Staff Statistics



3854

Toplam



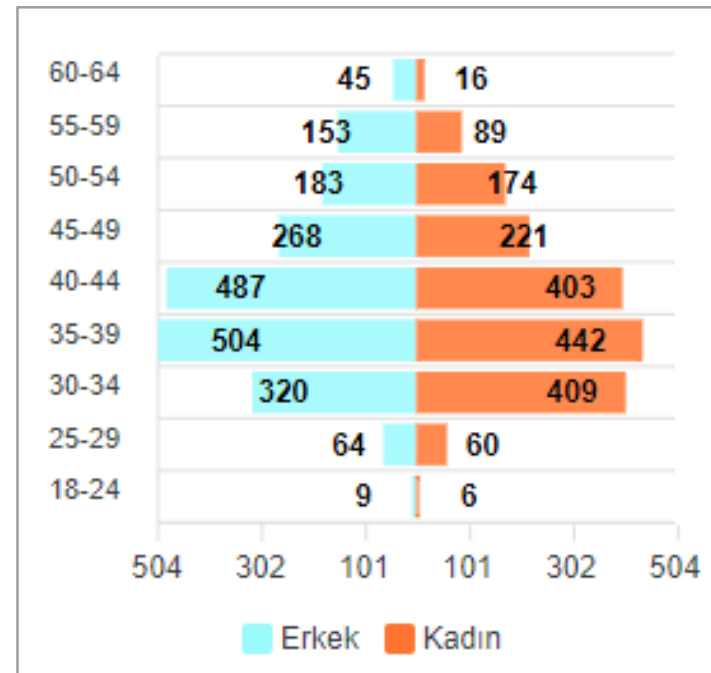
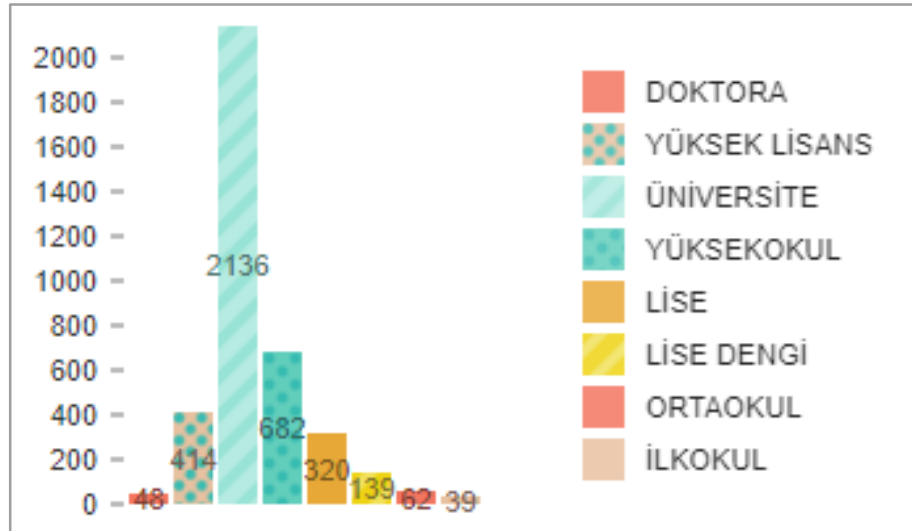
1820

47%



2034

53%



INTERNATIONAL COOPERATION





HISTORY OF POPULATION CENSUSES IN TURKEY

History of Traditional Censuses in Türkiye

➤ **Traditional population censuses:** *Totally 14 traditional population censuses*

- The first census in 1927,
- The second census in 1935,
- Every five years between 1935-1990,
- The last traditional census in 2000
- *Totally 14 traditional population censuses*



➤ **Method**

- Traditional census method (face to face interview),
- Standard questionnaire (paper) (PAPI),
- «De facto» population definition,
- One day application with national curfew (no permission to go out)

Questionnaire Form of 2000 PHC

REPUBLIC OF TURKEY
PRIME MINISTRY
STATE INSTITUTE OF STATISTICS

FORM A
THIS BOOK CONTAINS
HOUSEHOLD
QUESTIONNAIRES

ENUMERATION AREA SERIAL NO:
IF THIS IS A SPECIAL ENUMERATION
AREA PUT AN "X" MARK. ☐

22 OCTOBER 2000
POPULATION CENSUS

ATTENTION TO ENUMERATOR
Successful implementation and attainment of targets of 2000 Population Census, which is a costly operation both in terms of manhours and finance, require complete dedication to the job assigned to you. For that purpose, it is essential that, together with Census Supervisors, you check the addresses one by one in given Enumeration Area Building List (Form C) one day before census day. If you reveal any problems during your controls, inform the Census Committee to fix it. It is such an important task that to tackle it perfectly, you are expected to have carefully read again the "Handbook for Enumerators and Supervisors" handed out to you during training sessions, one day before census day. At census day enumerate all population in your enumeration area. BELIEVING THAT YOU WILL DO YOUR BEST TO TACKLE YOUR CENSUS TASK WE WISH YOU SUCCESS.

THE ENUMERATED POPULATION'S

PROVINCE NAME
DISTRICT NAME
SUBDISTRICT NAME
VILLAGE NAME
QUARTER NAME
IF EXISTS
SUBMUNICIPALITY
NAME

CODE
(Do not enter
anything
to this column)

ATTENTION
1-Persons whose negligence or abuse of duties in relation to the tasks related the Population Census are observed, shall be punished in accordance with the relevant clauses of Turkish Criminal Code.
2-All information in this book will be kept confidential.
3-For those who do not answer accurately and completely to the questions in this questionnaire, who abstain from answering questions or who expose personal informations; penal procedures will be undertaken in accordance with Law No. 53 and Turkish Criminal Code.

STATEMENT BY THE ENUMERATOR:
I visited, one by one, all the places assigned to me in the enumeration area. I entered all the population present in these places in accordance with the "Handbook". After completing the enumeration, I added up the population I entered in this book, and I found persons.
In numbers In words

Subtracting from this figure the number of household heads not at home (Total number of "No" answers to the question "Is the household head at home now?" (Section III, Question No.2.3)), I state that the remaining total population is persons.
In numbers In words

ENUMERATOR'S
Name
Surname
Signature:

STATEMENT BY THE SUPERVISOR:
I checked the enumerator's statement. I found persons in this book.
In numbers In words

Subtracting from this figure the number of household heads not at home (Total number of "No" answers to the question "Is the household head at home now?" (Section III, Question No.2.3)), I state that the remaining total population is persons.
In numbers In words

SUPERVISOR'S
Name
Surname
Signature:

INSTRUCTIONS FOR FILLING IN THE QUESTIONNAIRE

POPULATION CENSUS QUESTIONNAIRES WILL BE TRANSFERRED TO COMPUTERS THROUGH OPTICAL DATA ENTRY SYSTEM. PLEASE READ CAREFULLY THE ITEMS BELOW AND FILL IN QUESTIONNAIRES VERY CAREFULLY.

- Do not fold up the books, do not damage the bindings, do not tear up the pages.
- Do not damage the questionnaires, do not use erasers while filling in the questionnaire, do not scrape, try to fill in accurately at once.
- Do not write anything or mark outside the external frame.
- Use the pen provided to fill in the questionnaire. If you can not find this pen, use black or dark blue ball-point pen.
- Try that your handwriting be legible.
- Fill alphabetical information spaces with CAPITALS. Write letters and numbers as shown below (be careful in writing the numbers 1, 4, 7 and the letters Ç, Ğ, İ, Ö, Ş, Ü):
A B C D E F G H I J K L M N O P Q R S S T U V W X Y Z
0 1 2 3 4 5 6 7 8 9
- Fill in letters and numbers leaning to the left. Leave the remaining boxes unfilled.
EXAMPLE:
19 What is your current age in completed years? 1 9
19 What is the present name of the province and the district in which you were born?
Province name D I Y A R B A K I R
- Write letters, numbers and (X) marks in sign boxes without overflowing.
EXAMPLE: TRUE
19 What is the present name of the province and the district in which you were born?
Province name A N T A L Y A
19 What is your current age in completed years? 2 3
19 What is your sex? 1 X Male 2 Female
FALSE
19 What is the present name of the province and the district in which you were born?
Province name A N T A L Y A
19 What is your current age in completed years? 2 3
19 What is your sex? 1 X Male 2 Female
- If you recognize that you make a mark incorrectly, do not try to erase it, put (X) mark to the right box and cross out the box that you put (X) mark incorrectly.
EXAMPLE: 19 What is your sex? 1 X Male 2 Female
- If you write letters or numbers incorrectly:
If the remaining boxes are sufficient, put the (X) mark on boxes that you incorrectly wrote on and indicate that they are invalid. Write the correct information in the remaining boxes by not skipping unfilled boxes.
EXAMPLE: 19 What is the name and surname of the household head?
Name X X X A H M E T
Surname X X X K Ö Z T Ü R K
If the remaining boxes are not enough, write the correct information onto the letters or numbers that you write incorrectly. While doing this, be sure that it is understood which letter it is.
EXAMPLE: 19 What is the name and surname of the household head?
Name B E B A K A T T I N
Surname Ö Z D E M I R Ö Ğ L Ü
- Leave one box unfilled between the words written on answer spaces.
EXAMPLE: 19 What is your main occupation?
K I M Y A M Ü H E N D İ S İ

Questionnaire Form of 2000 PHC

2000 POPULATION CENSUS QUESTIONNAIRE

ATTENTION TO ENUMERATOR

For the places constituting household, fill in the Section I, Section II and Section III in this form.
For the places not constituting household, fill in only the Sections I and II. Leave section III unfilled.

SECTION I: ADDRESS

STREET, SQUARE or
BOULEVARD NAME
ROAD, BUILDING
GROUP NAME or
NUMBER
CONDOMINIUM NAME
BLOCK NAME or
NUMBER
BUILDING NUMBER

FLAT NUMBER

SECTION II: TYPE OF THE PLACE CENSUS TAKE PLACE

1 Detached	5 Hotel, motel, pension	9 Boarding school, hostel etc.
2 Apartment flat	6 Train, ferry, bus, terminal, etc.	10 Kindergarten, orphanage, nursing home
3 Prefab	7 Hospital, health center	11 Prison, reformatory
4 Tent, hut, etc.	8 Military quarters barracks, garrison etc.	12 Others (factory, government office, embassies, etc.)

SECTION III: QUESTIONS ABOUT HOUSEHOLD AND HOUSE

(For the places constituting household, ask the questions between 1-12 in this section to the household head or to anyone who can answer instead.)

1 What is the name and surname of the household head?
(Write name and surname of the household head whether he/she is at home or not.)
Name: _____
Surname: _____

2 Is the household head at home now?
1 Yes 2 No

3 How many persons are there in this household now including visitors?

4 How many visitors are there in this household now regardless of they are relatives or not?
_____ None

5 How many members of this household who are not in the house now are
a) in the country? _____ None
b) abroad? _____ None

6 What is the ownership status of this house?
1 Owner 4 Not owner but not paying rent
2 Tenant 5 Other
3 Lodgerment

7 How many rooms are there in your house including living room?

8 Which of the followings are in your household?

	Inside	Outside	Doesn't exist
Toilet	1	2	3
Bath	1	2	3
Kitchen	1	2	3
Piped water	1	2	3

9 Was there a member of this household who died in the last one year (from 22 th October 1999 till now)?
1 Yes 2 No → Go to Question 12

10 How many members died? _____

11 What is the sex, completed age and the date of death of the (se) person(s)?

Person	Sex		Completed Age	Date of death		
	Male	Female		Day	Month	Year
Person 1	1	2				
Person 2	1	2				
Person 3	1	2				
Person 4	1	2				
Person 5	1	2				

12 Please give the names and surnames of all persons who are in this household now, starting with the household head.
(Write the name and surname of the household head regardless of he/she is at home now. Write the names and surnames of other household members starting from the oldest member. Then write the names and surnames of the visitors starting from the visitor one.)

Individual Rank Number	Individual Rank Number
1	15
2	16
3	17
4	18
5	19
6	20
7	21
8	22
9	23
10	24
11	25
12	26
13	27
14	28

SECTION IV: QUESTIONS ABOUT PERSONAL QUALIFICATIONS

13 Write individual's rank number in the house.
(Write the individual rank number in question 12.)

14 What is your name and surname?
(Write those who are in the house at the time of the census. But, even if the household head is not at home write his/her as the first individual with all of his/her qualifications.)

Name: _____
Surname: _____

15 What is your sex? 1 Male 2 Female

16 What is your current age in completed years?
(For those who are under 1 year of age write "0".)

17 What is your relationship to the household head?
(For those who don't live regularly in this house, mark the option "visitor". For the places which are not constituting household do not ask this question.)

1 Household head 8 Father-in-law
2 Wife/husband 9 Mother-in-law
3 Son 10 Daughter-in-law
4 Daughter 11 Son-in-law
5 Father 12 Grandchild
6 Mother 13 Other
7 Brother/sister 14 Visitor

18 What is the present name of the province and the district in which you were born?
(For those who were born abroad write only the name of the COUNTRY.)

Province name: _____
District name: _____
Country name: _____

19 What is your nationality?
(For those who are not Turkish citizens write the name of the COUNTRY.)

1 T.R. 2 Does not have any nationality

20 Do you have any physical or mental disability?
1 Yes 2 No → Go to Question 22

21 What kind of disability do you have?
(More than one choice may be marked.)

1 Disability of seeing 4 Physical/orthopedic disability
2 Disability of hearing 5 Mental disability
3 Disability of speaking 6 Other

22 Do you live (settle) in this place of residence where you are enumerated for the census?
1 Yes → Go to Question 24 2 No

23 What is the present name of the province, district, sub-district or village where you live (settle) in?
(For those who live abroad write only the name of the COUNTRY.)

Province name: _____
District name: _____
Sub-district name: _____
Village name: _____
Country name: _____

24 Are you literate?
1 Yes 2 No → Go to Question 30

25 What is the last school you have completed?
(The school that the final degree was received.)

1 No school completed 6 High school
2 Primary school 7 Vocational school at high school level
3 Primary education 8 Higher education
4 Junior high school 9 Faculty
5 Vocational school at junior high school level 10 Master/Doctorate

26 What is your marital status?
1 Never married 3 Divorced
2 Married 4 Widowed

27 Have you ever given birth?
(Whether he/she is alive or dead now.)

1 Yes → Go to Question 31 2 No

28 How many children (female or male) have you ever given birth?
Female: _____ Male: _____

29 How many of these children are still alive?
Female: _____ Male: _____

30 What is your main occupation?
(If you do not have much "time")

1 Found a job but waiting to start 4 Retired income recipients
2 Student 5
3 Housewife/Housegirl 6 Other

31 When did you last give birth?
Day: _____ Month: _____ Year: _____

32 Did you work at any job during the last week?
(Persons who worked to earn cash or income in kind even 1 hour during the last week should be marked as "worked". For the persons who did not work last week because of vacation, illness, moved etc. the choice "Did not work but has a job attachment" will be marked.)

1 Worked
2 Did not work but has a job attachment
3 Did not work → Go to Question 35

33 What was your main task or duty at the job that you worked or had a job attachment in the last week?
(Occupations such as: farmer, overlanded employee, land manager, typist, history teacher, greengrocer, shoe repairer, barber, cooper, machine operator, master workman, builder etc. should be written.) General names such as: tradesman, official, worker, self-employed should not be written.

34 What is the name of the work place or organization where you worked or had a job attachment in the last week?
(For example: field, municipality, security office, military of health, justice, sciences, greenery etc. shops, barber shop, construction, home, primary school, high school, university etc.)

35 What is the main activity of the work place (firm/organization) where you worked or had a job attachment in the last week?
(For example: public service, retail trade, banking, reproductive manufacturing, construction works, field agriculture, animal feeding, poultry.)

36 What is your employment status in the job where you worked or had a job attachment in the last week?
1 Regular or casual employee
2 Employer
3 Self-employed
4 Unpaid family worker

37 Are you seeking a job?
1 Yes 2 No → Go to Question 42

38 When did you last take any steps to look for work?
1 1 month ago
2 2-3 months ago
3 4-6 months ago
4 7 months or more
5 Have done nothing

39 Why are you not seeking a job or not working?
1 Found a job but waiting to start 4 Retired income recipients
2 Student 5
3 Housewife/Housegirl 6 Other

Census Slogans for 2000 PC

- ☐ Do you exist?
- ☐ Provide information, do not hesitate in the information age.
- ☐ Do not be “ignored”, while “you are here”, if you do exist, be counted.
- ☐ Census is taking a picture of the country.
- ☐ Censuses shed light on the present and the future.
- ☐ Today’s picture will determine the future.
- ☐ Accurate and complete information is the insurance of our future.

Publicity Activities for 2000 PC



National Lottery Ticket

Badge for Interviewers



Advertisement Bag



Censuses Law

- ✓ The special census laws were enacted for every census up to 1950,
- ✓ General Census Law (for population, agriculture and industry) were applied for the censuses 1950, 1955 and 1960,
- ✓ Under the law of the foundation and mission of SIS, censuses between 1965 and 2000 were conducted,
- ✓ According to the Turkish Statistical Law, time of census will be determined through Official Statistical Programme.

Field Organization

- The field application of the population census was undertaken mainly by :
 - Governors of Provinces and Districts,
 - Civil Registration Offices of Provinces and Districts
 - Municipalities and head of villages,
- Turkstat defined the method and the system.

Number of Staff (2000 PC)

According to the method and system defined by Turkstat.

Type of the staff	#
TurkStat Advisors	750
Member of census committees	2 872
Staff of census bureaus	8 359
Enumerators	917 790
Supervisors	70 117
Trainers	9 741
Total staff for census operation	1 009 741

History of Traditional Censuses in Türkiye

Disadvantages of Traditional Censuses

- Over-counting & imaginary population,
- Relatively high cost,
- Long duration of data processing
- Long duration before dissemination
- Out-of-date information

Era for digitalization of population registers began.

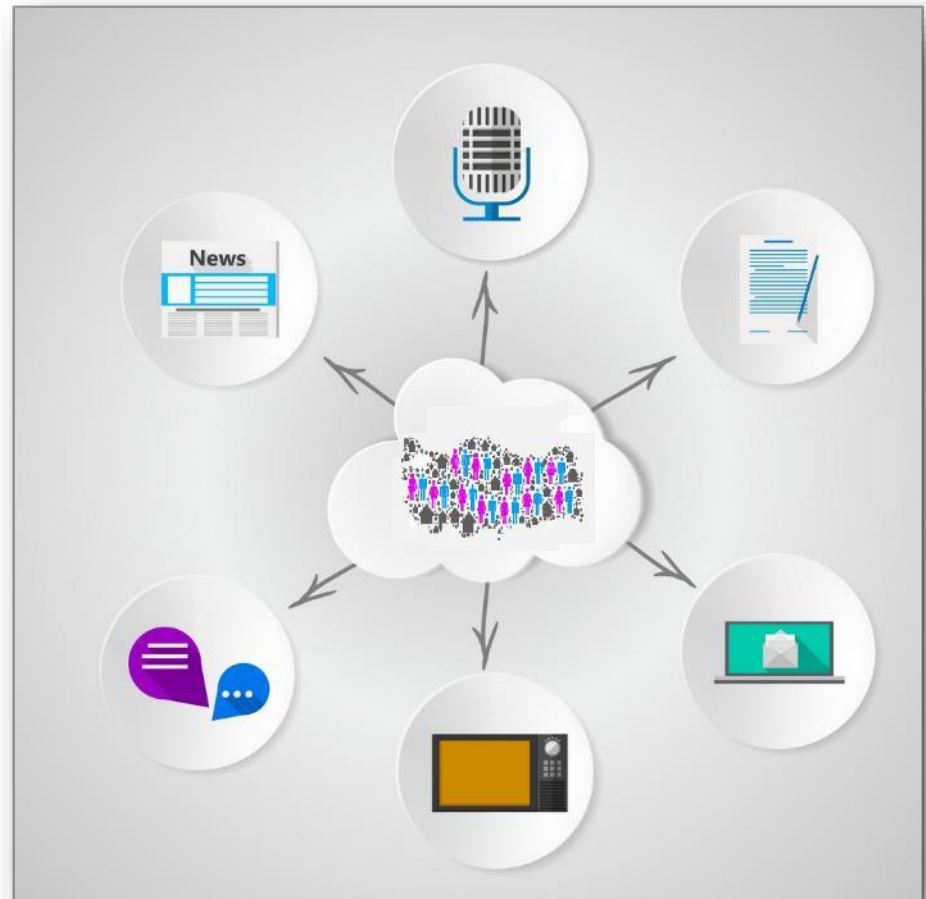
Problems of Traditional Censuses

- One day application with **national curfew**
- No information on usual residence (de jure),
- **Over-counting** population,
- Need for too many enumerators (2000 PHC 1 million)
- **High cost**,
- **Limited number of questions** included in the census questionnaires because of the one-day application,
- **Very long duration** of data processing (around 3.5 years),
- **Outdated** information



Methods of Dissemination

- Press Release
- Publications
- Web-Site
- Micro Data
- Databases





DATA SOURCES OF POPULATION STATISTICS

Data Sources for Population Statistics

1- Population Censuses



2- Address Based Population Registration System



3- 2011 Population and Housing Census

Data Sources for Population Statistics

The Central Civil Registration System (MERNİS)

- ... centrally administered system established in 2002.
- Any changes in civil status (births, deaths, marriages etc.) are registered electronically
 - in real time
 - over a network
 - by the civil registration offices
- ... based on **family ledgers**.
- ... has become the **backbone of the e-Government** infrastructure in Türkiye.
- Information on place of usual residence is not available.
- Maintenance of the system -> **Ministry of Interior**.
- **Vital statistics** are also produced from this database.



Data Sources for Population Statistics

TR Identity Number

- **Unique ID number in MERNIS**
- **assigned to all Turkish Citizens**
- **comprised of 11 digits** (which do not contain personal information)
- **Used nationwide** by all government agencies in public services



* The identity is fictional.

- ... provides:
 - ✓ Registering **all vital events** occurred from the moment of birth
 - ✓ More quickly and well-directed public services
 - ✓ Fast and efficient identification
 - ✓ **Linkage between population registers and other personal information.**

Data Sources for Population Statistics

National Address Database (NAD)



- Established in **2006**.
- Around 40 million addresses were entered to the system with **unique address codes**.
- Field work were carried out by local administrations (municipalities and others) and infrastructural studies were carried out by TurkStat.
- Maintenance of the system -> Ministry of Interior
 - Updated continuously by the **declarations of address changes**
 - **Up-to-dateness of address components** is ensured by the Ministry
- ... **text based** address registers. (No spatial/coordinate information)

Target

**Establishing Address Based Population Registration System
and changing the census methodology from **traditional** to
register based.**





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