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**Turkish Statistical Institute
Demographic Statistics Department**

Regional Workshop on the 2020 World Programme on Population and Housing Censuses

**Key
Considerations for
Planning and
Management of
Census Operations**

**Ankara, Türkiye
12-15 March 2019**

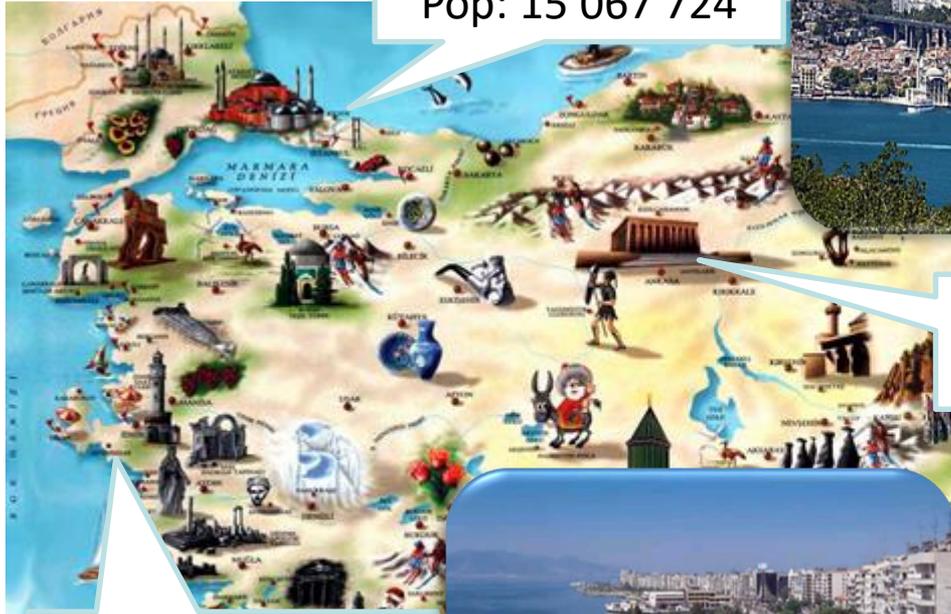
İstanbul
Pop: 15 067 724



Ankara
Pop: 5 503 985

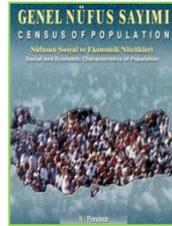


İzmir
Pop: 4 320 519



2018	Administrative Divisions	Population	Annual Pop. Growth Rate	Median Age	Density (per km ²)
Turkey	81 provinces, 957 districts	82 003 882	14.7%	32	107

Contents



CENSUS HISTORY

CURRENT SITUATION



2021 CENSUS

Census History

14 traditional population censuses (1927-2000)

- Full enumeration in one-day with national curfew
- Paper based questionnaire (ICR method in 2000 Census)
- No information on usual residence (de jure)
- Need of a large number of staff
- High cost
- Overcounting
- Long duration of data processing (around 3.5 years)
- Population statistics are available within 5-10 year interval

Census History

...2007 Address Based Population Registration System...

As linking every person reside in the country with their residence addresses by using the ID numbers, system was established in 2007.

- To set up a central address database including all of the addresses in the country.
- To construct a separate database for the foreigners living in Turkey.
- To obtain the actual information on population size of localities and characteristics of population.
- To follow the population movements in the country.
- Population size and its basic characteristics have been produced annually from the system since 2007.
- But, for 2010 round..



Census History

2011 PHC: Census with combined method

- Combined method: Registers + Sample field data
- 3 months field operation, 40 % PAPI and 60% CAPI
- Use of registers for census for the first time (20% of the variables)
- Sampling size of survey was about 2.4 million households.
- Difficulty in hiring and training of a large group of field staff for a short term work
- Relatively high cost
- Not being able to produce estimations for small geographic levels based on sample survey
- Lack of interest and support of municipalities
- Rising concern about confidentiality and privacy

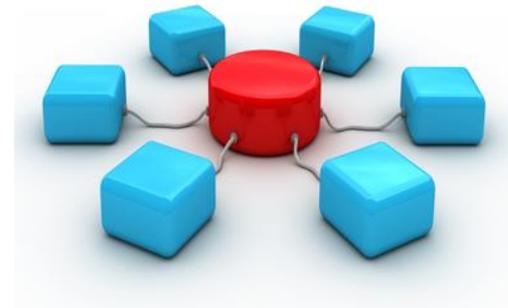
Targets for 2021 PHC

- With the goal of producing more timely, less costly, more useful and annual population statistics:
 - Changing the census methodology from combined to register based.
 - Using the LFS data by combining them with related registers.
 - Producing census data on 1 km² grids.
 - Producing selected set of census variables annually.



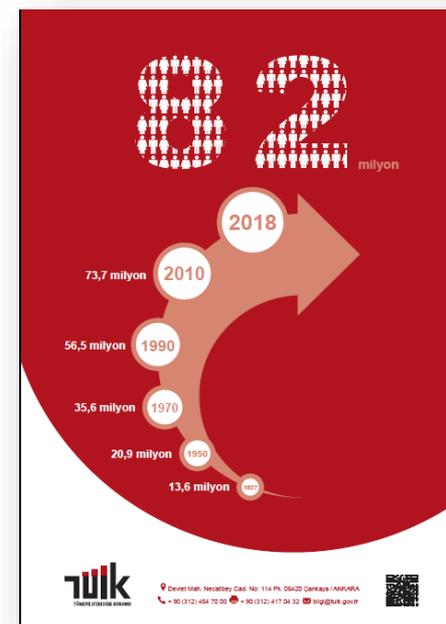
Registers Needed

- Population ✓
(demography, migration, household/family)
- Address ✓
- Education ✓
- Disability **Ministry of Family, Labour and Social Services**
- Employment and Unemployment ⚠
- Building and Dwelling ⚠



Population Register (PR)

- **Address Based Population Registration System (ABPRS)**
 - Population of localities
 - Age & sex
 - Country of citizenship
 - Legal marital status
 - Place/country of birth
 - Internal migration
 - Household types, size of households
 - International migration
 - Births & deaths
 - Reason for internal migration (2019)



Address Register (AR)

- **National Address Database (NAD) + Spatial Address Registration System (SARS)**
 - Unique codes for localities, quarters, streets, buildings and all kind of independent units in the building (dwelling, office etc.)
 - Type of the building (residential, non-residential, governmental)
 - Type of the address/living quarter (residence, office, school, student dormitory, hotel, nursing home etc.)
 - Number of floors in the building
 - Spatial data (X,Y coordinates)
 - Ministry of Interior
 - By the end of (?)

Education Register

- **National Education Statistics Database**
 - Literacy
 - Educational attainment

- **Registers of Ministry of Education and Higher Education Council**
 - Active student records



Disability

- **Ministry of Family, Labour and Social Services**
 - Registers of persons with disabilities
 - Social assistance records
- **Ministry of Health**
 - National Disabilities Data Bank
- **Other Records**
 - Municipal records (social assistance)
 - Disabled associations



Employment and Unemployment Register

- Registers of Social Security Institution (Labour force status, economic activity)
- Registers of Turkish Unemployment Agency (Job applications and unemployment benefits)
- Tax records
- Farmer Registration System
- Social assistance records
- Student records

Existing Labour Force Survey data will be used together with the administrative registers



Building and Dwelling Registers (BDR)

- **Main Sources:**

- Building permits (municipalities)
 - Includes most of the required variables
 - Available since 2007 in electronic format
- Property tax records (municipalities)
 - Kept in local databases of municipalities
 - Mostly contains different address coding system because some municipalities have not introduced unique address codes of AR to their records yet



Building and Dwelling Registers (BDR)

- **Supportive Sources:**
 - Land Registry and Cadastre Information System
 - (Title Deed Records)
 - Compulsory Earthquake Insurance Records
 - Rental Income Declarations (Ministry of Finance, Revenue Administration)
 - Other (Subscription records of natural gas, water supply and electricity companies etc.)



Plans for Establishing a BDR

- After carrying out several studies, it is seen that existing data sources are not sufficient to establish a database for building and dwellings **to be used as an administrative registration system.**
- Therefore missing data should be collected with a special field work.
- In order to fulfill this requirement, political decision is needed for two reasons:
 - High cost of enumeration
 - Keeping the system up-to-date by ensuring the participation of institutions.
- If no such decision will be taken, TurkStat will try to **establish a statistical database** on this field.

Financing

- The cost of all work related to 2021 PHC will be covered from the TurkStat's own budget.
- In case of a decision for a survey to collect missing housing data for entire country in 2020:
 - The budget will be determined in 2019
 - Related pilot study will be carried out by TurkStat's staff (regional offices).

Census Law

- TurkStat has been implementing all statistical activities (including census) according to the Official Statistics Programme, based on the Statistics Law of Turkey
- So TurkStat do not need a special census law.
- 2021 PHC and related issues were added to 2017-2021 term Official Statistical Programme
- According to mentioned Law, TurkStat is the authority to determine the statistical methods, definitions, classifications and standards to be used in the production of official statistics in line with **national** and **international norms**



Thank you...