2011 POPULATION and HOUSING CENSUS in TURKEY

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Turkey in Brief

- Turkey's land mass is approximately 780,000 sq.km.
- The population of Turkey is 74,724,269 in 2011.
- Annual population growth rate is 13.5‰.
- Turkey has 81 provinces, 892 districts, 1977 sub-districts and 34,425 villages.
- Major cities:
  - Istanbul (13.3 million),
  - Ankara, the capital (4.8 million),
  - Izmir (3.95 million),
General information on Turkish Statistical Institute (TurkStat)

- 1926, The Central Statistical Department
- 1930, The General Directorate of Statistics
- 1962, The State Institute of Statistics (SIS)
- 2005, Turkish Statistical Institute (TurkStat)

- TurkStat is responsible for coordinating all institutions for collecting and publishing the official statistics in Turkey.
- TurkStat is producing more than 85% of all statistics organized under official statistics.
- Totaly 3395 staff, 1657 permanent, 1738 temporary
Population Censuses in Turkey

History

- First census was in 1927,
- Second census was in 1935,
- From 1935 to 1990, censuses for 5 years interval,
- Last census was in 2000.
- All censuses were conducted by;
  - traditional census method (face to face interview),
  - standard questionnaire,
  - de facto population census,
  - one day application with national curfew.
Population Censuses in Turkey

**Problems**

- Lack of information on usual residence (de jure),
- Overcounting (imaginary) population,
- Increasing cost of the census,
- Duration of data processing around 3-5 years,
- Information on population size and their characteristics available with ten-year interval.
Target

Changing the system from traditional census to register-based census
Population Registration System

- Central Population Management System (MERNIS) based on family ledgers,
- Unique ID number for Turkish Citizens available since 2001,
- Maintenance of the system by the Ministry of Interior, General Directorate of Population and Citizenship Affairs (GDPCA),
- No information on place of usual residence in MERNIS,
- In 2005, new Population Services Law was approved.
- One of the aims of the Law:
  - To establish National Address Database (NAD) that covers all addresses within the boundaries of the country,
  - To establish Address Based Population Registration System (ABPRS) covering information on place of residence of all people living in the country.
How the System was established?

- **MERNIS (Turkish Citizens)**
  - Matching the information in MERNIS and addresses in the NAD by using the Turkish Republic identification numbers

- **National Address Database (NAD)**
  - Matching foreign citizens and addresses in the NAD by using passport numbers

- **Foreigners living in Turkey**

- **Turkish Citizens living in abroad**

- **ABPRS**
ABPRS Population Results

- Population results referring 31 December based on the new system are announced to the public every year in January.
  - Population by localities (province, district, sub-district and village)
  - Age and sex structure,
  - Internal migrations,
  - Legal marital status,
  - Place of registration,
  - Educational status,
  - Nationality of persons living in Turkey (Turkish citizens and foreigners)
- All information is available on the web site (www.turkstat.gov.tr)
### Dissemination

- Press release
- Publication
- Database

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**Address Based Population Registration System (ABPRS) Results**

<table>
<thead>
<tr>
<th>Year Selection</th>
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<tr>
<td>2011</td>
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<td>2010</td>
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<td>2009</td>
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<td>2008</td>
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<td>2007</td>
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**Subject Selection**

- Population of localities
- Age group
- The province of registration
- Educational status
- Marital status
- Internal migration

**Table Format and Information and Remarks**

- [Clear Screen]
- [Make Report]
2011 Population and Housing Census in Turkey
Methodology

• The method of the 2011 Population and Housing Census is developed based on administrative registers;
  • National Address Database
  • Address Based Population Registration System
  • Other administrative registers
• Applied combined method
  • population registers and
  • register based sampling survey
Methodology

• Enumaration areas were created
  • Each has approximately 100 dwellings
  • 195.192 enumaration areas
  • Selected 22.861 (11.7%)

• Sampling size is about 2.4 million households (approximately 12.7% of the total households)

• Complete enumeration of institutional places (military barracks, university dormitories, nursing homes, prisons, orphanages, etc.)

• Foreigners stayed less than 6 months in the year and Turkish Citizens living abroad were not covered.
Management of the Census

Advisory Committee was established to manage the census operation (preparatory works, application stages and evaluation of the results in coordination with stakeholders),

• Ministry of Interior, the General Directorate of Population and Citizenship Affairs,
• Ministry of Interior, the General Directorate of Local Authorities,
• Ministry of Interior, the General Directorate of Provincial Administration,
• Ministry of Development,
• Hacettepe University Institute of Population Studies,
• Ministry of National Education,
• Ministry of Health,
• Ministry of Labor and Social Security, Social Security Institution,
• Ministry of Judgement
Pilot Census

- Pilot Census was conducted in October 2010 for testing all stages of the census,
- Two-stage application;
  1. Controlling enumeration areas,
  2. Application of the questionnaires,
     - Household questionnaire
     - Questionnaire for institutional places (only in Ankara)
     - Questionnaire for homeless people (in 81 province centers)
- 214 localities (275 enumeration areas in 81 provinces, 81 district centers and 52 villages), approximately 50,000 households
Topics covered in the census

- Building and housing characteristics,
- Marital status,
- Place of usual residence one and five years prior to the census,
- Reason for migration,
- Ever resided abroad and year of arrival in the country,
- Disability,
- Literacy and educational attainment,
- Attendance to pre-primary/pre-school/kindergarten,
- Labor force status,
- Fertility,
- Deaths (infant, child and adult).
Field organization

Responsible person for region

Responsible person for IT

Responsible person for province/district

Supervisors

Interviewers

Responsible person for data entry

Operators
Stages of the field application

Stage 1. Controlling the addresses

- Controlling the addresses in sample enumeration areas
  September, 2011
- Controlling the addresses of institutional places
  April-July, 2011

Stage 2. 2011 Population and Housing Survey Field Application,
October-December, 2011

- Household Application
- Application in Institutional Places
- Application of questionnaires
  (paper based questionnaire)

- Controlling the registers in ABPRS
- Interview with households
  (Netbook+paper based questionnaire)
Field application

• **Reference date:** October 2, 2011
• Approximately 3,600 enumerators, 383 supervisors and responsible persons for each region, province and district were charged
• 6,207,431 addresses were enumerated
• 2,411,239 households were interviewed
• Non-response rate was 7.2%
• Data was transferred to the main system in 2-3 days for netbook application,
• A web based application was used for data entry of paper based questionnaires.
Monitoring field application

- Daily and weekly reports were taken from central system to monitor the field application,
- Simultaneous web based consistency check reports visualised to the Regional Offices during the field application for approval,
- Field data were checked with administrative records (MERNIS, etc.) and sent to RO for approval
- Mail group was created to communicate with field staff.
Data processing

TurkStat

Form D control

TurkStat Regions

Analysis of data

Production Database

On line

Face to face with
Notebook

Firewall

Daily backup

Backup unit

Web Services

Web Services

Reports

Face to face with quest
Publicity of the Census

- The Press-Statement
  - It was published at the beginning of field application
- Logo
- Poster
- Bookends
- Leaflet
- Household letters
- Web page through the TurkStat web-site
Publicity of the Census (cont.)

A logo was designed for using in all census instruments.
Publicity of the Census (cont.)

• For the census poster, a competition was organized.
• The poster were distributed to whole Turkey in July 2011.
A leaflet was designed in order to deliver to the households during the field application.
Web page was designed.

- **Web page includes**
  - information on population censuses,
  - information on the field application of 2011 Population and Housing Survey,
  - questionnaires,
  - frequently asked questions, etc.
- During the field application, “e-mails which were directly sent to the President of TurkStat” were also answered,
Quality Control Study

- Quality Control Study of 2011 PHS was carried out in November and December,
- Approximately 5% of the sample enumeration areas
  - 1,111 enumeration areas
- Same interviewing method was used in quality control study.
Dissemination of the census results

- The results of the Census will be provided to users by various means.
  - Press release
  - Publication
  - CDs
  - Static tables in web page, and
  - Interactive online database
Thank you for your attention

Teşekkür ederim....