2011
POPULATION AND HOUSING CENSUS

March 2013
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2011 POPULATION AND HOUSING CENSUS

- Turkey has conducted a census in 2011 in the scope of the 2010 World Population and Housing Census Programme.

- In this round, Turkey changed the (traditional) census methodology, and at first time:
  . used the population registers,
  . applied a census according to the de jure population definition,
  . conducted a census with the 3 month field application instead of one-day application.
## 2011 POPULATION AND HOUSING CENSUS

Methodology of 2011 Population and Housing Census is different from 2000 Population Census in various aspects;

<table>
<thead>
<tr>
<th>2000 PC</th>
<th>2011PHS</th>
</tr>
</thead>
<tbody>
<tr>
<td>. Traditional</td>
<td>. Based on administrative registers</td>
</tr>
<tr>
<td>. De facto</td>
<td>. De jure</td>
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<tr>
<td>. One day application</td>
<td>. 3 month field application</td>
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<tr>
<td>with a national curfew</td>
<td></td>
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<tr>
<td>. Standard questionnaire</td>
<td>“Household Questionnaire” and “Questionnaire for Institutional Places”</td>
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<td></td>
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<tr>
<td>. ICR for data entry</td>
<td>. Using netbooks for data collection and for data entry of paper based questionnaires, and a web-based program</td>
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</table>
2011 POPULATION AND HOUSING CENSUS

- Legal basis

The 2007-2011 Official Statistics Program of TurkStat, and in the line of EU Requirements

- Purpose

To obtain information that are not available in the ABPRS and other administrative registers or can not obtained from regular household surveys in province level.
METHODOLOGY OF THE CENSUS

- Combined method; by using population registers and by conducting register based large-scaled sampling survey

- In the design of the census, registers are used priorly;
  - to obtain population count and age-sex distribution of the population,
  - to construct an address frame
MAIN CHALLENGES FOR THE CENSUS

- In 2009, census was **postponed to 2011** while it was planned to be conducted in 2010 by taking into consideration of EU Requirements.

- Other challenge is the decision of using population registers combined with field enumeration by **conducting a survey**, instead of a full-enumeration.
MANAGEMENT OF THE CENSUS

- In order to manage the census operation *preparatory works, application stages and evaluation of the results* in coordination with stakeholders, the Advisory Committee was established.
  - 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
WORKING GROUPS

- In order to assist the preparation studies in different aspects (search various census methods, prepare technical documents, make suggestions etc.) 6 Working Groups was established on the following subjects:
  - Methodology
  - Field application
  - Data processing
  - Finance
  - Publicity
  - Dissemination
Pilot Census for Testing All Stages of the Census in Regional Offices

Pilot Census was conducted by 26 Regional Offices of TurkStat in September-October, 2010.

Two-stage application;
1. Controlling enumeration areas (NAD registers)
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
Method: Combined (Administrative registers + sampling survey)

Field Operation: Face to face interview with printed questionnaires and netbook (CAPI)

Period: October-December 2011

Financing: 100% National budget
**Enumeration Areas**

**Enumeration areas** were determined in August, 2011 by taking into consideration of all addresses in Turkey by using updated ABPRS.

Accordingly:

Each enumeration area is composed in a count of about 100 address of residence.

22.861 enumeration area is selected out of 195.192 in sampling (%11,7).

University student dormitories, nursing homes, prisons, military barracks are not included in the address lists and in the count of 100 address. Because a separate application for institutional places were held.
STAGES OF THE FIELD OPERATION

**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

  - Controlling the individual registers in ABPRS
  - Application of questionnaires (paper based questionnaire)
  - Interview with households (Netbook+paper based questionnaire)
STAGES OF THE FIELD OPERATION

Two Phase Application:

1. Controlling the addresses in the sample enumeration areas (in the first half of September), entering new addresses to the address lists.

2. i) Checking the registered persons in ABPRS with the actual situation in the addresses in the sample enumeration areas by using household lists which are printed from the ABPRS

   ii) Visiting all addresses (including conventional dwellings and other housing units that is not designed for human habitation, such as shelters, barns, tents, etc.) in the sample enumeration areas for checking whether a household lives or not in these addresses, and interviewing the households and filling the questionnaires
Two types of questionnaires were used in the field application of the survey:

1. Household Questionnaire
2. Questionnaire for Institutional Places
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,
- Fertility,
- Deaths (infant, child and adult).
FIELD OPERATION OF 2011 PHS

- 26 Regional Offices of TurkStat were organized the field operation.
- For the field operation, **approximately 3.600 enumerators, 400 supervisors** and responsible persons for each region, province and district were charged.
Field Operation of 2011 PHS

- Approved **identification cards** were used by the survey staff during the field application.
MONITORING FIELD OPERATION

- **Daily and weekly reports** which were taken from central system with different extent for supervisors and responsible persons of the regions, provinces and districts.
  
  (Application rate of the survey, non-response rates, distribution of certain variables, data entry and coding errors etc.)

- Controlling the enumerators’ works in the field by the supervisors, and controlling the supervisors’ work by the responsible persons.

- Analysis by enumeration areas and analysis by records (including comparisons with the registers) were also reported to the regional offices to control or review.
PUBLICITY OF THE CENSUS

- Studies were implemented by the “Working Group on Publicity”
- The Press-Statement (It was published at the beginning of field application.)
- Poster
- Leaflet
- Household letters
- Web page through the TurkStat web-site
A logo was designed for using in all census instruments.
For the census **poster**, a competition was organized.

According to the result of the competition, one poster was chosen for the publicity campaign of the census in April, 2011.

The copies of poster were spread through the Regional Offices of TurkStat after finishing the printing stage in July, 2011.
A leaflet was designed in order to deliver to the households during the field application.
Before the field application, **household letters** were posted to the households for informing, in collaboration with The General Directorate of Post and Telegraph Organization (PTT).

These letters cover the following information:

- Why a census is needed?
- How the sample addresses were chosen?
- How the field application will be carried out?
- Basic definitions used in the questionnaire
- Contact information of the Headquarter and the Regional Offices of TurkStat
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.
BASIC RESULTS
**Demographic Statistics Department**
Population and Migration Group

**Proportion of households by owner occupied dwellings (%), 2011**

**Turkey:** 67.3%

### Owner-occupied TOP 5 Provinces (%)
- **Ardahan:** 84.3%
- ** Ağrı:** 82.2%
- **Muş:** 82.1%
- **Van:** 81.9%
- **Iğdır:** 80.0%

### Owner-occupied LOWEST 5 Provinces (%)
- **Gaziantep:** 59.5%
- **İstanbul:** 60.6%
- **Ankara:** 60.9%
- **Bursa:** 62.7%
- **Tunceli:** 62.7%

**PHC, 2011**
### Proportion of Households by Rented Dwellings (%), 2011

**Renting in Turkey**

- **Turkey:** 23.8%

#### Rented TOP 5 Provinces (%)

- **İstanbul:** 31.5%
- **Ankara:** 30.2%
- **Antalya:** 29.9%
- **Gaziantep:** 27.3%
- **Eskişehir:** 26.5%

#### Rented LOWEST 5 Provinces (%)

- **Ardahan:** 8.4%
- **Muş:** 11.8%
- **Ağrı:** 12.3%
- **Kars:** 13.1%
- **Van:** 14.0%
Proportion of households by the main type of heating in the dwelling (%)

<table>
<thead>
<tr>
<th>Types of Dwelling</th>
<th>Turkey (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stove (including natural gas stove)</td>
<td>57,1</td>
</tr>
<tr>
<td>Central heating for one dwelling</td>
<td>25,6</td>
</tr>
<tr>
<td>Central heating for one or more buildings</td>
<td>11,4</td>
</tr>
<tr>
<td>Air conditioner, electric heater or other heaters</td>
<td>5,9</td>
</tr>
</tbody>
</table>
Proportion of employed population (%), 2011
TURKEY: 43,7%

PHC, 2011
Proportion of unemployment (%), 2011
TURKEY: 7.9%

PHC, 2011
Labor force participation rate (%), 2011
TURKEY: 47.5%

PHC, 2011
<table>
<thead>
<tr>
<th>Proportion of disabled population (%)</th>
<th>Turkey (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Have difficulty in seeing</td>
<td>1,4</td>
</tr>
<tr>
<td>Have difficulty in hearing</td>
<td>1,1</td>
</tr>
<tr>
<td>Have difficulty in walking or climbing stairs</td>
<td>3,3</td>
</tr>
<tr>
<td>Have difficulty in speaking</td>
<td>0,7</td>
</tr>
<tr>
<td>Have difficulty in holding or lifting something</td>
<td>4,1</td>
</tr>
<tr>
<td>Have difficulty in learning, doing simple calculations, remembering and concentrating when compared to peers</td>
<td>2,0</td>
</tr>
</tbody>
</table>
Thank you...