DISABILITY DATA COLLECTION THROUGH SURVEYS

Almaty, June 7th 2017
Content

- Background
- 2011 Population and Housing Census (PHC) of Turkey
- Disability and 2011 PHC
- Turkey Disability Survey, 2002
- Survey on Problems and Expectations of Disabled People, 2010
- Turkey Health Survey
Population Censuses in Turkey

History
- first census in 1927,
- second census in 1935,
- every five years between 1935-1990,
- last traditional census in 2000

Totally 14 traditional population censuses.

Method
- Traditional census method (face to face interview),
- Standard questionnaire,
- De facto population census definition,
- One day application with national curfew (no permission go out).
2000 Census of Turkey and Disability

- The question used in 2000 Census with regard to disability:

   ![Image of the question](image)

- In 2011 Population and Housing Census, the content and pattern of the disability part of the questionnaire was changed and extended.
Address Based Registration System (ABPRS)

- The first results of the new system referring the date of 31 December 2007 was announced on 21 January 2008.
- Population size and basic characteristics of population by administrative units are produced annually from the system.
  - Population size by administrative division (province, district, sub-district and village)
  - Urban/rural population
  - Nationality, place of birth
  - Age and sex
  - Educational status
  - Legal marital status
  - Migration between provinces
  - Household types
2011 POPULATION AND HOUSING CENSUS OF TURKEY
2011 Population And Housing Census (PHC)

- Turkey has conducted a census in 2011 in the scope of the 2010 World Population and Housing Census Programme.
- **Purpose:** To obtain information that
  - are not available in the ABPRS and other administrative registers or
  - can not be derived from regular household surveys in province and district level.
Method: Combined

❖ using both population registers and conducting register based large-scaled sampling survey

❖ For households, 22,861 enumeration areas were selected (11.7%) as sample of the study, from 195,192 enumeration areas in total.

❖ About 2.2 million households

❖ Complete enumeration of institutional places

❖ Information was collected face to face from about 9 million people during the field study.
2011 PHC

Reference date of the survey: October 2, 2011

Application period: October-November, 2011
(In some metropolitan cities, field application was completed in December.)

Application method: Face to face interview with CAPI, and by using paper based questionnaires

Financing: 100% National budget

Geographic Level: Province
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).
In 2011 PHC, disability questions were formed based on UN led ‘Washington Group’ recommendations who develop disability questions for censuses and surveys.

At the same time, these questions were in accordance with International Classification of Functioning, Disability and Health (ICF) which is developed by World Health Organization (WHO).
Disability Questions

- In 2011 PHC, 6 functions were questioned and these questions were expected to be answered by one of the following options. In these questions **self evaluation** of the respondent was considered.
  - No difficulty,
  - Yes, some difficulty,
  - Yes, a lot of difficulty,
  - Can not do at all.

- For the questions except the ones regarding seeing and hearing, difficulty in function was questioned without taking into consideration any assisting equipment.
Disability Questions

- Questions regarding seeing and hearing were directed to all ages where for others only those that are 3 years or older were covered.
- Difficulties that last a period shorter than 6 months (such as fractures of the hand or arm, ear or eye surgery) were not taken into consideration for all types of disabilities.
- When proportion of disabled were calculated, the proportions of persons who declared that they cannot do at all or have a lot of difficulty in the related function were considered.
## Disability Questions

<table>
<thead>
<tr>
<th>DISABILITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>15. Do you have any chronic illnesses such as hypertension, diabetes, heart disease, cancer, kidney failure, stroke, hepatitis, asthma, etc.?</td>
</tr>
<tr>
<td>1 □ Yes</td>
</tr>
<tr>
<td>2 □ No</td>
</tr>
<tr>
<td><strong>16. Do you have difficulty in seeing?</strong></td>
</tr>
<tr>
<td>(even if you use glasses or contact lenses)</td>
</tr>
<tr>
<td>1 □ Not at all</td>
</tr>
<tr>
<td>2 □ Some</td>
</tr>
<tr>
<td>3 □ A lot</td>
</tr>
<tr>
<td>4 □ Can not see at all</td>
</tr>
<tr>
<td><strong>17. Do you have difficulty in hearing?</strong></td>
</tr>
<tr>
<td>(even if you use hearing aid)</td>
</tr>
<tr>
<td>1 □ Not at all</td>
</tr>
<tr>
<td>2 □ Some</td>
</tr>
<tr>
<td>3 □ A lot</td>
</tr>
<tr>
<td>4 □ Can not hear at all</td>
</tr>
</tbody>
</table>
## Disability Questions

ASK PERSONS AGED 3 AND OVER.
SKIP TO QUESTION 41 FOR PERSONS AGED BELOW 3.

18. Do you have difficulty in speaking such as speech impairment, lalopathy, stammering, etc.?

<table>
<thead>
<tr>
<th></th>
<th>1. Not at all</th>
<th>2. Some</th>
<th>3. A lot</th>
<th>4. Can not speak at all</th>
</tr>
</thead>
</table>

19. Do you have difficulty in walking or climbing stairs?

<table>
<thead>
<tr>
<th></th>
<th>1. Not at all</th>
<th>2. Some</th>
<th>3. A lot</th>
<th>4. Can not do at all</th>
</tr>
</thead>
</table>

20. Do you have difficulty in holding or lifting something?

<table>
<thead>
<tr>
<th></th>
<th>1. Not at all</th>
<th>2. Some</th>
<th>3. A lot</th>
<th>4. Can not do at all</th>
</tr>
</thead>
</table>

21. Do you have difficulty in learning, doing simple calculations, remembering and concentrating when compared to your peers?

<table>
<thead>
<tr>
<th></th>
<th>1. Not at all</th>
<th>2. Some</th>
<th>3. A lot</th>
<th>4. Can not do at all</th>
</tr>
</thead>
</table>
Persons who declared that they cannot do at all or have a lot of difficulty in the related function were considered.
Proportion of Disabled Population by Type of Disability and Sex, 2011

- Difficulty in seeing
- Difficulty in hearing
- Difficulty in speaking
- Difficulty in walking, climbing stairs
- Difficulty in holding/lifting
- Difficulty in learning/remembering

(%)
<table>
<thead>
<tr>
<th></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>
Proportion of Persons with at least one disability, 2011

Proportion of persons with at least one disability (Population 3 years of age and over) (%)
Purpose: To measure number of disabled people, disability proportion, their socio-economic characteristics, their problems in social life, expectations, type of disability, causes of disability and regional differences and also the proportion of population having chronic illnesses.

Geographic detail: Turkey, urban-rural area and 7 geographical regions

Data collection system: Two separate questionnaires, which are Household Questionnaire and Disabled Person Questionnaire, have been applied to sampling households by using face-to-face interview method.
Turkey Disability Survey (2002)

- **Sampling Unit:** Household
- **Sample Size:** 97,433 households
- **Sampling Method:** Single-stage stratified cluster sampling
- **Variables collected:** Statistical information on age, sex, marital status, educational level, labour force status, social security status, disability proportion, appearance time of disability, cause of disability, degree of disability, status of being treated, status of using apparatus, expectations of disabled people from organizations have been collected.
- **Time coverage:** Data are available for only 2002
Survey on Problems and Expectations of Disabled People (2010)

- **Purpose**: To determine the problems and expectations of disabled people in their daily lives, who are registered in the National Disabled People Database and to make effective policies in the related fields.

- **280,014 disabled individuals**
  - recorded in the National Disabled People Database
  - having a health report about type of disability
  - being disabled at least 20%
  - living in a household in Turkey
Survey on Problems and Expectations of Disabled People (2010)

- **Data collection system:** Two separate questionnaires, which are Household Questionnaire and Disabled Person Questionnaire, have been applied to sampling households by using face-to-face interview method.

- **Geographic detail:** Data based on Turkey, urban and rural area are available.

- **Time coverage:** Data are available for only 2010.
Turkey Health Survey

- **Periodicity**: Biennially
- **Data source**: Households
- **Method**: Face to face interview
- **Sample Size**: 9,740 households (2014)
- **Geographic Level**:
  - Turkey and urban-rural area for 2008, 2010 and 2012.
  - Turkey for 2014 and 2016
Indicators for the population 15 years of age and over related with disability and old age:

- The percentage of individuals having
  - vision problem by sex and age groups
  - hearing problem by sex and age groups
  - difficulty in walking and walking up or down stairs without using any aid or assistance by sex and age groups
  - difficulty in learning and remembering events by sex and age groups
Disability Questions in Turkey Health Survey

9. Do you wear glasses or contact lenses?
   - Yes [ ]
   - No [ ]
   - I'm blind or cannot see at all [ ]

10. Do you have difficulty seeing even when wearing your glasses or contact lenses?
    - No difficulty [ ]
    - Some difficulty [ ]
    - A lot of difficulty [ ]
    - Cannot do at all/Unable to do [ ]

11. Do you use a hearing aid?
    - Yes [ ]
    - No [ ]
    - I am profoundly deaf [ ]

12. Do you have difficulty hearing what is said in a conversation with one other person in a quiet room, even when using your hearing aid?
    - No difficulty [ ]
    - Some difficulty [ ]
    - A lot of difficulty [ ]
    - Cannot do at all/Unable to do [ ]
13. Do you have difficulty hearing what is said in a conversation with one other person in a noisier room, even when using your hearing aid?  
   - No difficulty  
   - Some difficulty  
   - A lot of difficulty  
   - Cannot do at all/Unable to do

14. Do you have difficulty walking half a km on level ground without the use of any aid?  
   - No difficulty  
   - Some difficulty  
   - A lot of difficulty  
   - Cannot do at all/Unable to do

15. Do you have difficulty walking up or down 12 steps?  
   - No difficulty  
   - Some difficulty  
   - A lot of difficulty  
   - Cannot do at all/Unable to do

16. Do you have difficulty in learning new things (reading, doing simple calculations etc.) when compared to your peers?  
   - No difficulty  
   - Some difficulty  
   - A lot of difficulty  
   - Cannot do at all

17. Do you have difficulty remembering recent events (events of the day, names of folks)?  
   - No difficulty  
   - Some difficulty  
   - A lot of difficulty  
   - Cannot do at all
Challenges

Problems

- Difficulty in “defining” disability (self declaration/ official report)
- Lack of a database which covers all disabled persons and which can be linked to Address Based Registration System through an unique identity number
- No recent data
Future goals

- Establishment of a database derived from the records of related institutions and organizations in collaboration with the responsible ministry: **Ministry of Family and Social Policies**
  - The database to be established for the 2021 PHC will consist of **disabled persons with a medical report**.
- To obtain information on disabled population completely from administrative registers in 2021 PHC.
Thank you...