Our Census ... Our Future
Egypt 2017 Population, Housing and Establishments Census
Contents

1- Introduction

2- Preparations for the 2017 Census

3- Quality and Dissemination of Data

4- The Most Important Results of Census 2017
1- Introduction

A- Population in Census Years

Population: 94.8 Millions

Year 1882: 6.7 Million
Year 1907: 9.7 Million
Year 1917: 12.7 Million
Year 1927: 15.9 Million
Year 1960: 26.1 Million
Year 1976: 36.3 Million
Year 1996: 59.3 Million
Year 2006: 72.8 Million
Year 2017: 94.8 Million

Census 2017 No.14
1- Introduction (cont.)

B- Census Concept

Is the collection of demographic, economic and social data of individuals (Egyptians / foreigners) within the borders of the state during the counting period.

The Theoretical basis was used (De-jour) In the 2017 census and is intended as the habitual residence of the individual.

Night of Reference (night of counting) is the middle of the night Tuesday, 18 April 2017.
C- Census Forms

1- Introduction (cont.)

Building → Population → Establishments
1- Introduction (cont.)

D- Types Of Forms

Buildings and their Components Form

Population Forms

Establishments Form

Resident of public housing Form

Short Form

Long Form
2- Preparations for the 2017 Census
2- Preparations for the 2017 Census

A- Formation of the Communication Committee
B- Formation of the High Level Committee for Census
C- Pilot Tests (Implementation 5 Pilot Tests Before Census)
D- New Methodology for Implementation of the Census
E- Stages of Census and Structure of Workers
F- Selection and Training of Employees
G- Control Room and Follow-up Implementation for Census
H- Communication Strategy.
Preparations for the current census were started immediately after the conclusion of the latest census (2006), A communication committee was established for all its members who participated in the 2006 census with the aim of:

1. Planning for the 2017 Census and lessons learned from the 2006 Census.
2. Use of Modern Technology in the Application of the Census.
3. Maximize the Benefits and Improve the Negatives of the 2006 Census.
The High-Level Committee for Census was Established by a Prime Minister Decree including all related Ministries as well as representatives of the Private Sector and Civil Societies.

Nine meetings were held from August 2014 to February 2017 and the most important recommendations were:

(1) Issuing directives to all Governors to support the 2017 census.
(2) Adding a Scientific Material on the importance of the census in the curricula of the different stages of the school.
(3) Establishment of an operations room at the Ministry of Police to support the field work.
(4) Facilitate the implementation of the five tribal experiences of the census.
2- Preparations for the 2017 census (cont.)

C- Pilot Tests

Five Pilot Tests conducted, and the fifth experiment was a pilot Census. These Pilot Tests were carried out to:

1. Access to the optimal form of census forms.
2. Design and build the structure of the employees and determine the most appropriate means of choice them.
3. Identify the Problems of the field and the method of solving.
4. Test Performance Rates for all Employees at all Stages.
5. Testing the Electronic Application of all stages of the census (processing / Assigning enumeration areas / Stacking, matching and modifying maps in the field / enumerating buildings and units / enumerating population and housing conditions in short and lengthy forms / enumerating public housing / enumerating Establishments/ Output of Census).
## 2- Preparations for the 2017 census (cont.)

### C- Pilot Tests (cont.)

<table>
<thead>
<tr>
<th>Pilot Test</th>
<th>Year</th>
<th>Sample Size of HHs</th>
<th>No. Governorates</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>First</td>
<td>2013</td>
<td>8500</td>
<td>2</td>
<td>Paper</td>
</tr>
<tr>
<td>Second</td>
<td>2014</td>
<td>37000</td>
<td>3</td>
<td>Paper</td>
</tr>
<tr>
<td>Third</td>
<td>2014/2015</td>
<td>100000</td>
<td>10</td>
<td>Paper</td>
</tr>
<tr>
<td>Forth</td>
<td>2015</td>
<td>23000</td>
<td>2</td>
<td>Paper\Electronic</td>
</tr>
<tr>
<td>Fifth</td>
<td>2016</td>
<td>100000</td>
<td>All Gov. except North Sinai</td>
<td>Electronic</td>
</tr>
</tbody>
</table>
D- New Methodology for Implementation of the Census

(Switch to Tablet Usage)
(1) Switch to Tablet Usage

The results of the fourth Pilot Test showed a great advantage for the use of Tablets such as:

(1) Control of field operations and follow-up of field work teams.

(2) Immediate updating of data and completion speed at specified times,

(3) Improving data quality As a result of relying on immediate automated review in the field,

(4) Quickly extract results.

It was agreed with the Ministry of Planning, Follow-up and Administrative Reform to provide the required equipment to collect data (45 thousand tablets) and then rehabilitated for use in other projects.
A full computerization of all of all stages of the Census based on Tablets, E-applications, geographic maps and transfer data using Slide of Mobile to the Main Data Center, secured through electronic systems and Provide an Opportunity for Households wanting to register their own data through the site of CAPMAS.
D- New Methodology for Implementation of the Census (cont.)

(3) The New in implementation of census

(a) Transformation into an Integrated Electronic System at all stages of the Census.
(b) Re-arranging the stages of field work to become (the stage of enumerating buildings - then the stage of enumerating population - and then the stage of enumerating establishments) to avoid the movement of the population between the stages of buildings and population.
(c) Applying the theoretical counting methodology (De-Jour) with some exceptions to be considered to serve the accuracy of the data.
(d) Using an Long Form with 10% of the households and a Short Form with rate 90%.
(e) Preparation of the scientific material to explain the Census forms in the CDs, and Modern Training Methods to unification of concepts for all trainees.
D- New Methodology for Implementation of the Census (cont.)

(4) Technological System of census
D- New Methodology for Implementation of the Census (cont.)

(5) Comparison Between Electronic and Paper censuses

- Data Quality
- Control of all Elements of the Work System
- Management and Follow-Up of Field Work
- Data Security
- Ability to Face Problems

- Ability to Modify Geographical Area Maps in the Field
- Access to Final results
- Number of Employees
- Financial Cost
- Administrative Burdens

Excellent image in the world
E- Stages of Census and Structure of Workers
E- Stages of Census and Structure of Workers

(1) Stages of Census

Preparatory Stage
- Stacking & Numbering Buildings and Blocks in Urban & Rural Areas
  - The Period from 21/1 to 28/1 2017

1- First Stage
- Enumerating Buildings & Units (Housing or Non-Housing)
  - The Period from 29/1 to 25/3 2017

2- Second Stage
- Enumerating Population & Housing Conditions
  - The Period from 18/4 to 15/6 2017

3- Third Stage
- Enumerating Establishments and their Characteristics
  - The Period from 13/7 to 31/7 2017
E- Stages of Census and Structure of Workers (cont.)

(2) Structure of Workers

Coordinator

Inspector

Supervisor

Assistant / Co-Assistant
### (3) Number of Employees

<table>
<thead>
<tr>
<th>Coordinator</th>
<th>Inspector</th>
<th>Supervisor</th>
<th>Assistant</th>
<th>Co-Assistant</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>38</td>
<td>280</td>
<td>2500</td>
<td>25000</td>
<td>13000</td>
<td>40818</td>
</tr>
</tbody>
</table>
F- Selection and Training of Employees

Selection of 50 trainers from the best staff (CAPMAS), trained to be Trainers.

(Training of Train of Trainers TTOT).

Snowball included 700 individuals during 6 Sessions in the first half of 2016. To be Trainers

(Train of Trainers TOT)

Selection of 500 Trainers from 700 TOT for Central Training

Training 40 thousand workers in the training centers in the Governorates
G- Control Room and Follow-up Implementation for Census

(1) Control Room

(a) The Control Room was Established for the purpose of managing the census and improving the course of field work.
(b) It is the main link between the senior management of the census and the field staff.
(c) It has contributed to improving the field work by providing follow-up reports and instructions from senior management to the field through the closed-loop telephone communication mechanism.
H- Communication Strategy

- Reach out to all population
- Media
- Workshops
- Roadshows
- Schools, Universities and civil society organization.
3- Quality and Dissemination of Data
A- Adjust the data quality

(1) Design programs to check the data automatically to ensure that no inconsistent data is recorded.
(2) Ensuring data collection from the households using the site follow-up system (GPS)
(3) Complete all questions according to their order as the system does not allow the transfer to the next question without answering the previous question.
(4) Automatic review of all questions when registering and dispensing with the office Edited review.
(5) Follow-up of all levels of field work (governorate / Supervisor / inspector / Assistant \ Coordinator according to their respective powers).
F) Follow-up evaluation of quality levels through independent quality control teams.
The Processing of Census data is Summarized as follows:
(1) Electronic Data Processing of its Accuracy, Comprehensiveness, Consistency with other Sources, and Verification of the lack of conflict between information available from other sources.
(2) Automatic Coding of Data.
(3) Extracting the Results Tables.
Dissemination of data by the following means:
1- Paper publications in the form of volumes for the results of the Republic and the governorates.
2- CDs.
3 - Website of the electronic device on the Internet: Web: www.capmas.gov.eg
4- Egypt Geographical Information Portal: Web: www.geoportal.gov.eg
4- The Most Important Results of Census 2017
Total Egyptians at Inside & Outside Egypt

- Inside: 104,266,950,001
- Outside: 94,798,827
- Egyptian at Egypt: 9,470,674

Total: 1,158,546,532
Households in the three Decades

- 1986: 9.7 Million households
- 1996: 12.7 Million households
- 2006: 17.3 Million households

Total: 23.5 Million households
Building in the three Decades

- 2017: 16.2 Million
- 1986: 7.7 Million
- 1996: 9.5 Million
- 2006: 11.6 Million
Units in the three Decades

2017

43.2

Millions Units

Millions Units

Million

Million

Million

1986

1996

2006

11.3

17.8

27.9
Establishments in the three Decades

2017: 6.4 Million Establishments

1986: 1.9 Million

1996: 3.1 Million

2006: 4.6 Million
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