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**Our Census ... Our Future**





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# Egypt 2017 Population, Housing and Establishments Census



التعداد العام للسكان والإسكان والمنشآت ٢٠١٧





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**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

2017

Population in  
(Millions)

year

59.3

1996

36.3

1976

26.1

1960

15.9

1927

12.7

1917

9.7

1897



Population in  
(Millions)

year

72.8

2006

48.2

1986

30.1

1966

18.9

1947

14.2

1937

11.2

1907

6.7 Million

1882

Census

2017

No.14

## 1- Introduction (cont.)

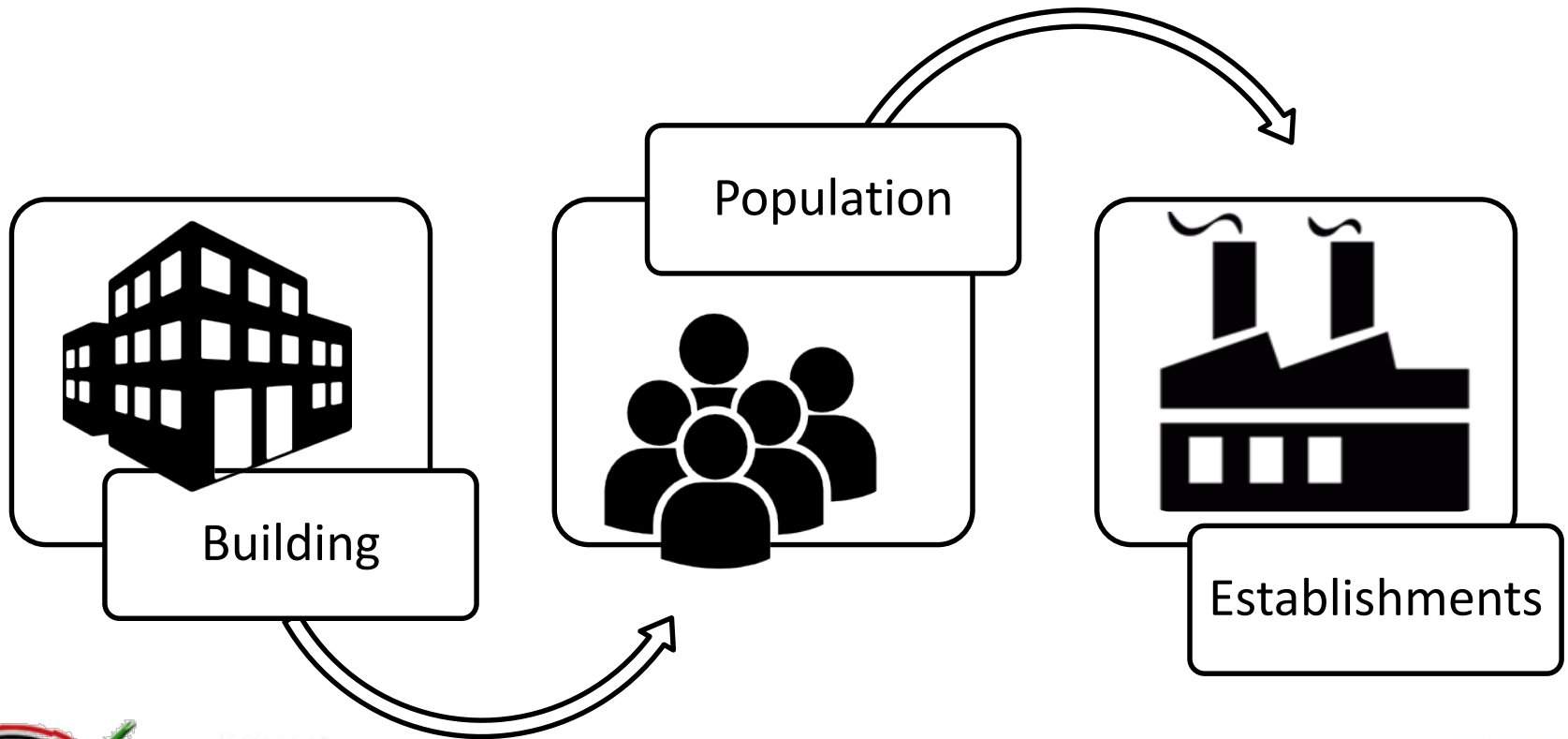
### B- Census Concept

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



## 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



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## 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.



## 2- Preparations for the 2017 census (cont.)

### A- Formation of the communication committee

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**



## **2- Preparations for the 2017 census (cont.)**

### **B- Formation of the High level Committee for 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.)

Pilot Test	Year	Sample Size of HHs	No. Governorates	Type
First	2013	8500	2	Paper
Second	2014	37000	3	Paper
Third	2014/2015	100000	10	Paper
Forth	2015	23000	2	Paper\ Electronic
Fifth	2016	100000	All Gov. except North Sinai	Electronic



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## D- New Methodology for Implementation of the Census (Switch to Tablet Usage)



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### (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.

## D- New Methodology for Implementation of the Census (cont.)

### (2) Concept of electronic census

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.**



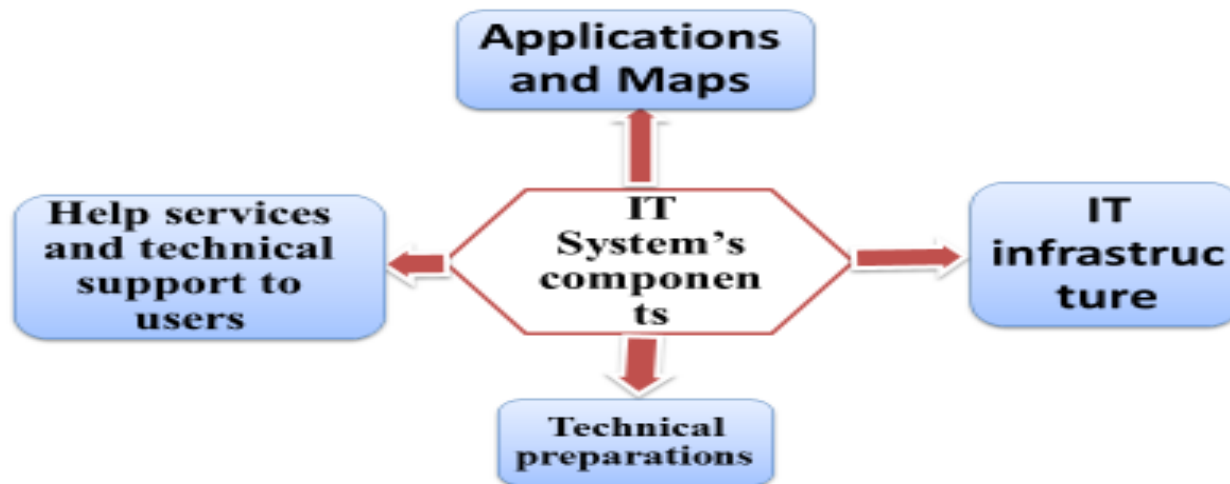
## D- New Methodology for Implementation of the Census (cont.)

### (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**

## (4) Technological System of census

System's components



## D- New Methodology for Implementation of the Census (cont.)

### (5) Comparison Between Electronic and Paper censuses

**Data Quality**



**Ability to Modify Geographical Area Maps in the Field**



**Control of all Elements of the Work System**



**Access to Final results**



**Management and Follow-Up of Field Work**



**Number of Employees**



**Data Security**



**Financial Cost**



**Ability to Face Problems**



**Administrative Burdens**



**Excellent image in the world**



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# E- Stages of Census and Structure of Workers



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# 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

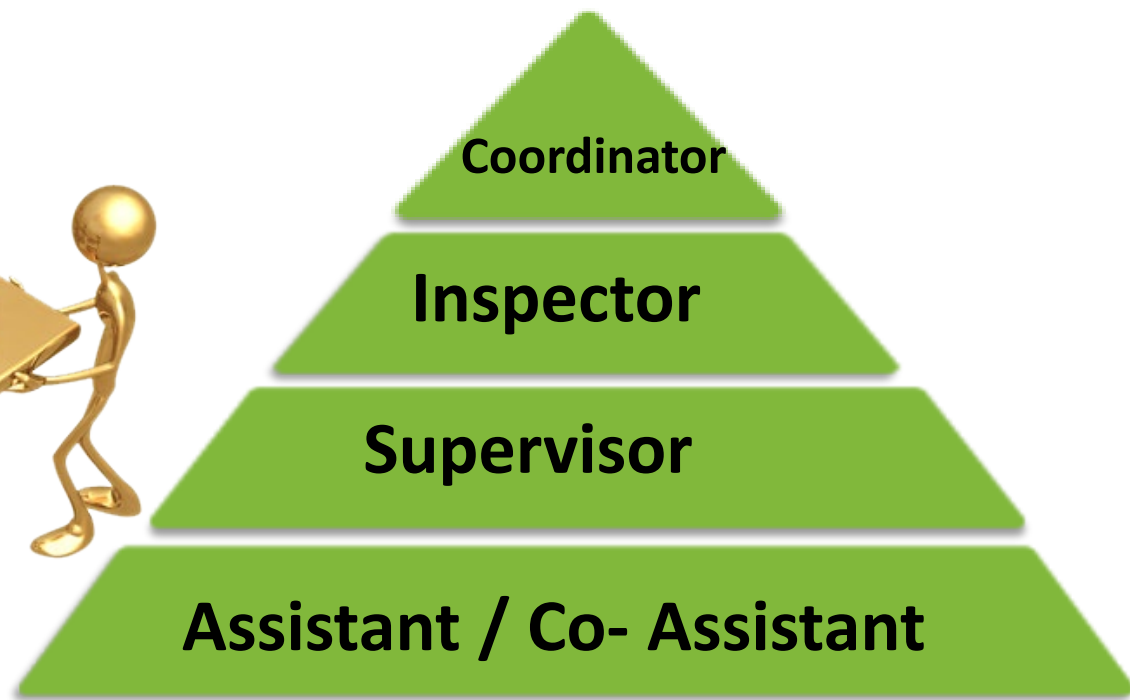
**The Period  
from  
18/4 to 15/6  
2017**

### 3- Third Stage

Enumerating  
establishments  
and their  
characteristics

**The Period  
from  
13/7 to 31/7  
2017**

## (2) Structure of Workers



## E- Stages of Census and Structure of Workers (cont.)

### (3) Number of Employees

Coordinator	Inspector	Supervisor	Assistant	Co-Assistant	Total
38	280	2500	25000	13000	40818



## 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



### (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.

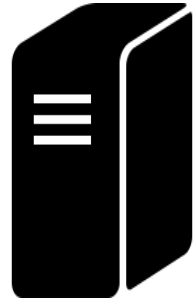


# (2) Work Cycle

Link line for backup environment

Data transmission via mobile networks and the secured Internet VPN

backup environment



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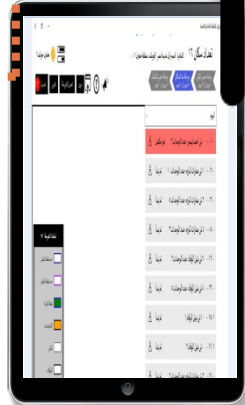
**Data Center**



Buildings - units -  
Households – individuals  
- establishments

**Field**

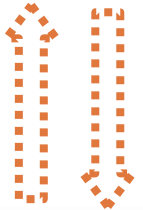
Recording data on tablet



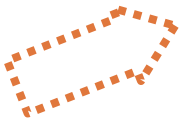
**Tablet MDM**



**Assistant**



**Households**



**Household self-enumeration website**



## H- Communication Strategy

- Reach out to all population
- Media
- Workshops
- Roadshows
- Schools, Universities and civil society organization.



## 3- Quality and Dissemination of Data



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### 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.



#### B-Processing and Reviewing Data

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.



#### C- Dissemination of Data

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](http://www.capmas.gov.eg)

4- Egypt Geographical Information Portal:

Web: [www.geoportal.gov.eg](http://www.geoportal.gov.eg)



## 4- The Most Important Results of Census 2017



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2017 Census

Millions

9,470,674

Outside



Total  
Egyptians at  
Inside &  
Outside Egypt

Millions

94,798,827

Millions

104,269,501

Inside



2017



Households  
in the three  
Decades

23.5

Millions households

Million

9.7  
1986

Million

12.7  
1996

Million

17.3  
2006

**2017**



**Building  
in the three  
Decades**

**16.2**

**Millions Building**

**Million**

**7.7**  
**1986**

**Million**

**9.5**  
**1996**

**Million**

**11.6**  
**2006**

**2017**



**Units  
in the three  
Decades**

**43.2**

**Millions Units**

**Million**

**11.3**  
**1986**

**Million**

**17.8**  
**1996**

**Million**

**27.9**  
**2006**

2017



Establishments  
in the three  
Decades

6.4

Millions  
Establishments

Million

1.9  
1986

Million

3.1  
1996

Million

4.6  
2006



# وقتنا



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