

E-Census 2020 Sultanate of Oman



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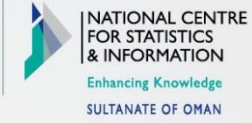
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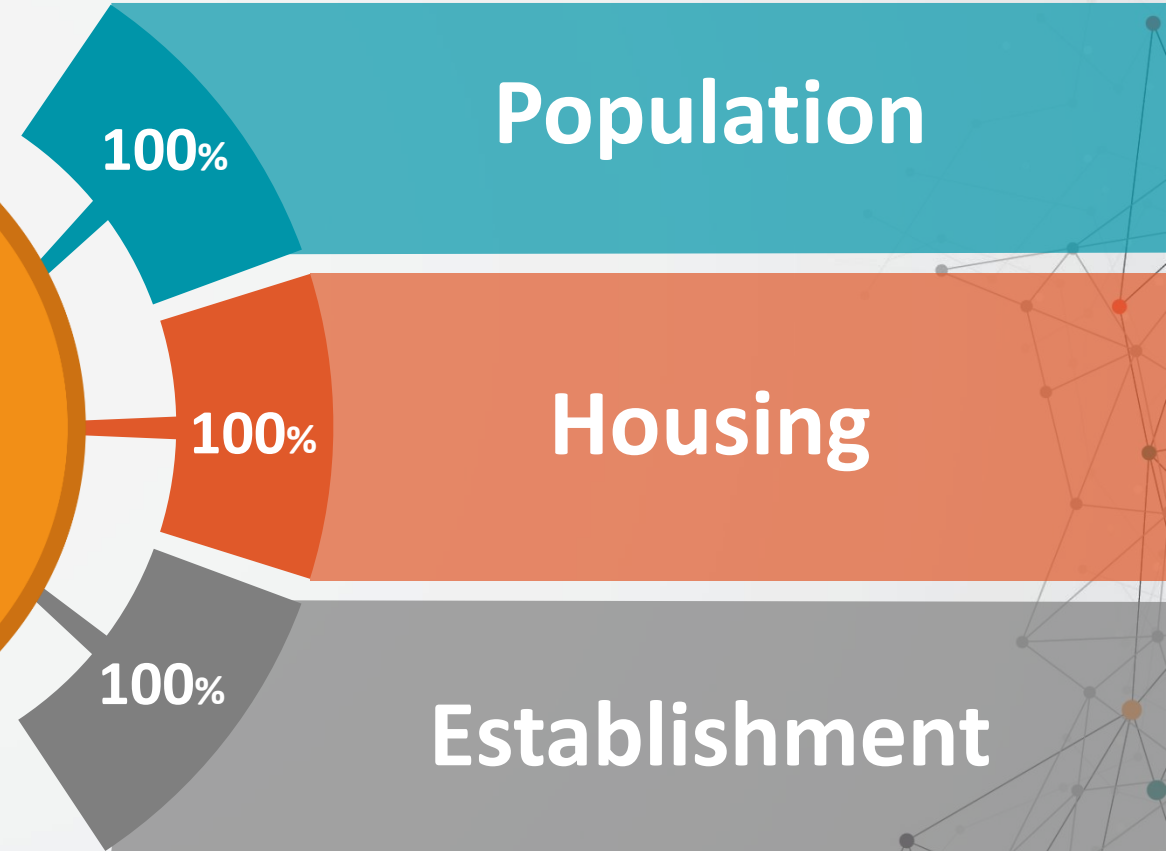
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E-Census 2020



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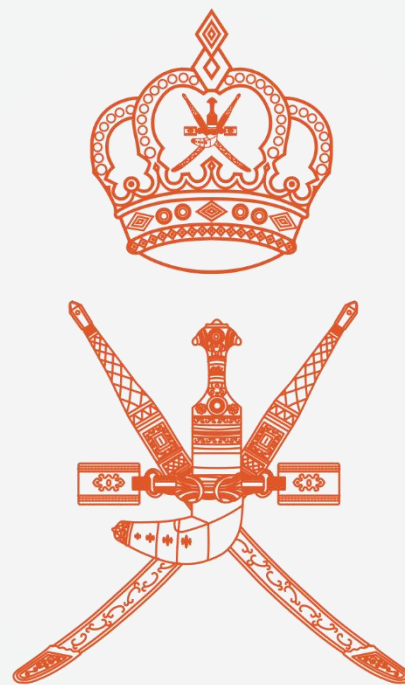


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Legal framework

Legal framework of the census



**Royal Decree
No. 15/2015**

**Provide an updated and geospatial economic and social
information through an electronic data system**

The regulatory framework for the census

The Supreme National Committee

Chairman of the Committee:
Interior Minister

The Committee members:
All related Ministers of agency

Technical Committee

Chairman of the Committee:
Chief Executive of the National Center for Statistics and Information

The Committee members:
All Data Source agency

Media Committee

Chairman of the Committee:
Undersecretary of ministry of information

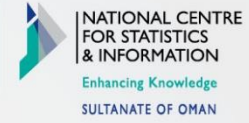
The Committee members:
All related agency Minister

Executive Management

Director General of e-census

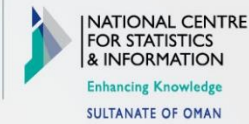
Project Management office.
Experts
Data and Statistical Information system
Media and identity

Specialized working team:
For each data base



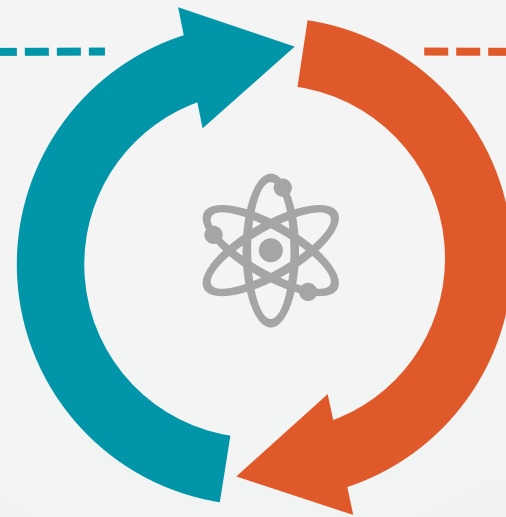
Objectives

Objectives

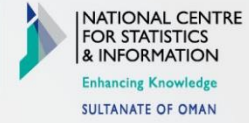


The E-Census 2020 aims to disseminate statistics and indicators by the end of 2020, thereby, providing decision makers with timely and accurate data. This data will include all information related to population, housings and establishments. This objective will be achieved by implementing the following:

High Quality
national
database

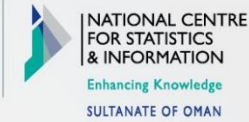


Integrated &
electronically linked
data registers



The Main Phases

Main Phases



(2017-2018):

Studying the entities' data systems and how to collect and update data:

Studying the structure of databases at the entity level, the classifications and identifiers used, and how to collect and update data.

(2017-2019):

Studying Data readiness:

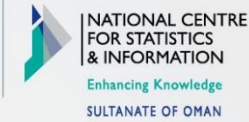
Studying the quality of administrative registers within census labs and submit proposals to correct identifiers, and recommendations to improve data quality.

2017-2019

Preparing methodologies for create statistical databases:

Defining a statistical methodology for create the most important statistical databases based on administrative registers (residence address, educational & employment characteristics, enterprises and establishments , buildings and units).

Main Phases



(2018-2019):

Determining system inputs and outputs and cross tables between classifications:

Preparing the entities' data structure, variables and classifications, preparing cross tables between administrative classifications and statistical classifications, and preparing the most important system outputs: a list of tables, dashboards, and data sets.

(2018-2020):

Building the system:

preparing an information system that reflects data obtained from administrative sources (via links or files) & performs a set of transfers (ETLs) to link data & build statistical databases.

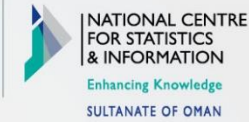
(2020):

Linking with the entities: Linking with entities:

electronic linking with the entities to ensure data collection in a timely manner, meaning that whenever a variable is updated from among the entity's data basket, the update is sent instantly to the system through the link.

Covid
19

Main Phases



(2020):

Testing the system and the portal:

Testing the readiness by conducting experimental censuses through which the entities' files were uploaded. The findings of these census were compared the labs' results. Recommendations were made to improve the system's performance in terms of time spent and the extent to which the system took into account statistical methodologies.

(12-12-2020):

Conducting the census:

After ensuring the flow of data and the readiness of the system, a screenshot of the registration data was taken on December 12, 2020, and the statistical rules & data indicators were updated.

(14-12-2020):

Approval and publication of the results:

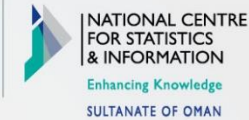
His Majesty Sultan Haitham bin Tariq, approved the results of the census on December 14, 2020. During a press conference held on the same day, the most important indicators were announced & the census portal was launched displaying the detailed results of the census.



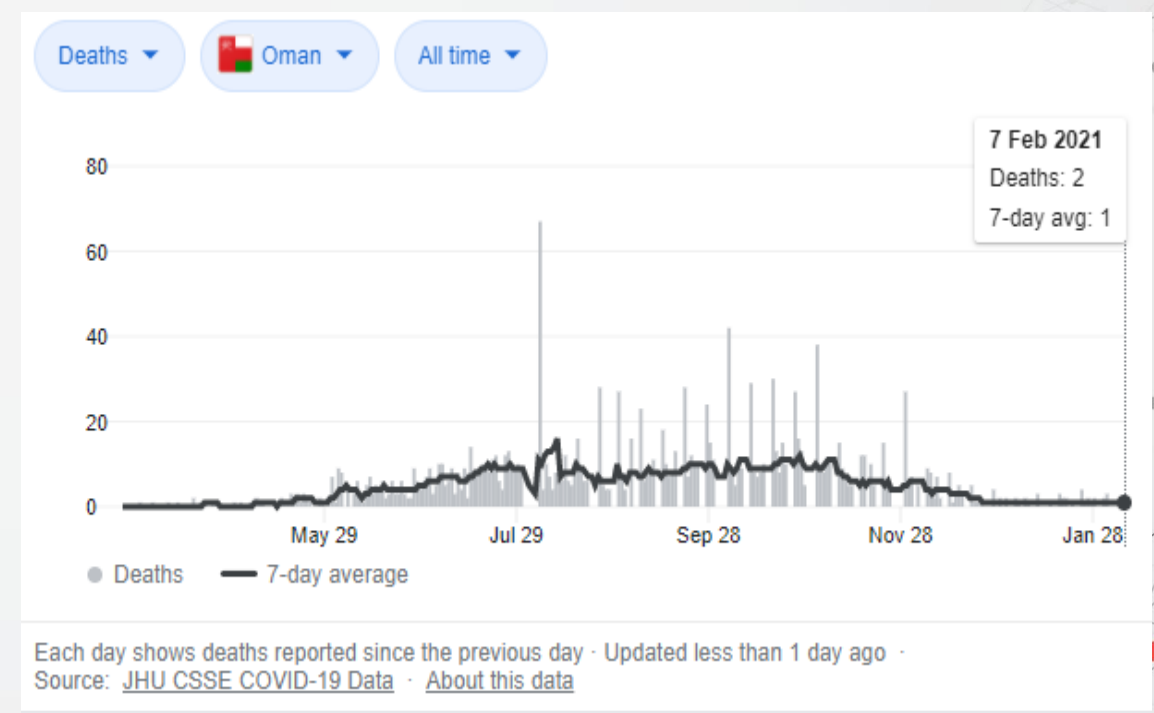
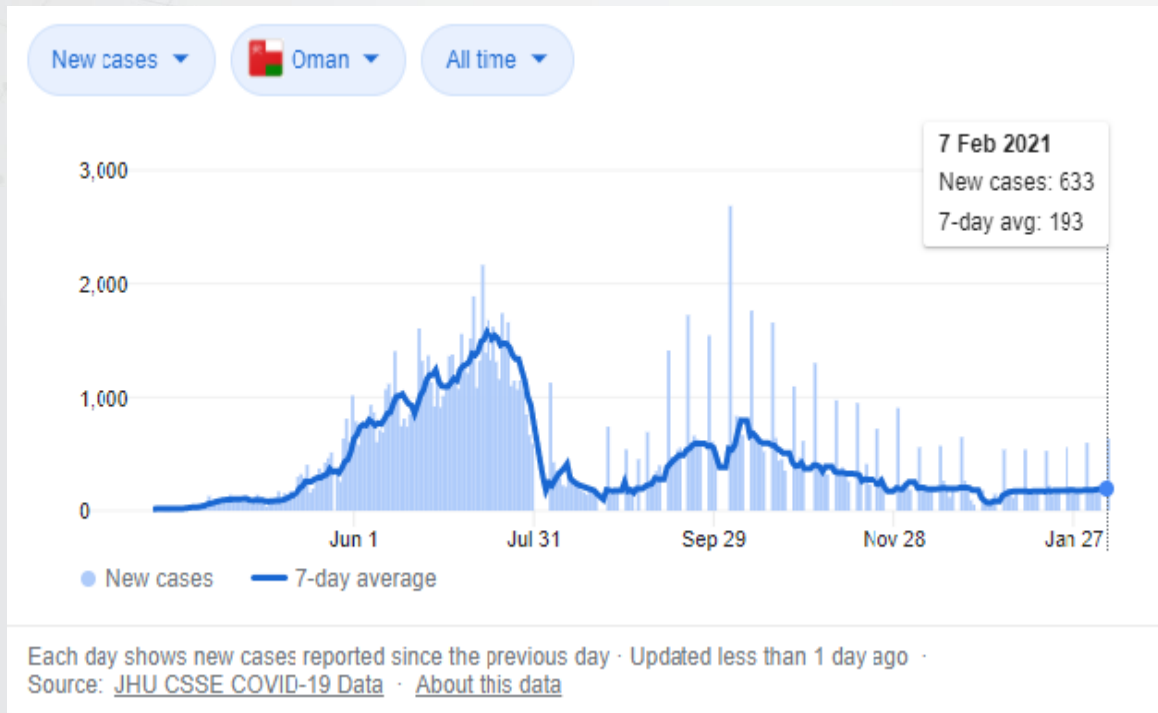
Challenges

during the covid 19

Oman covid 19



- The first infection with the COVID19 in Oman was at the end of February 2020.
- At the end of March 2020 the government reduced the employee in the office up to 30%.

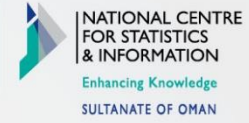




The Challenges during the covid 19

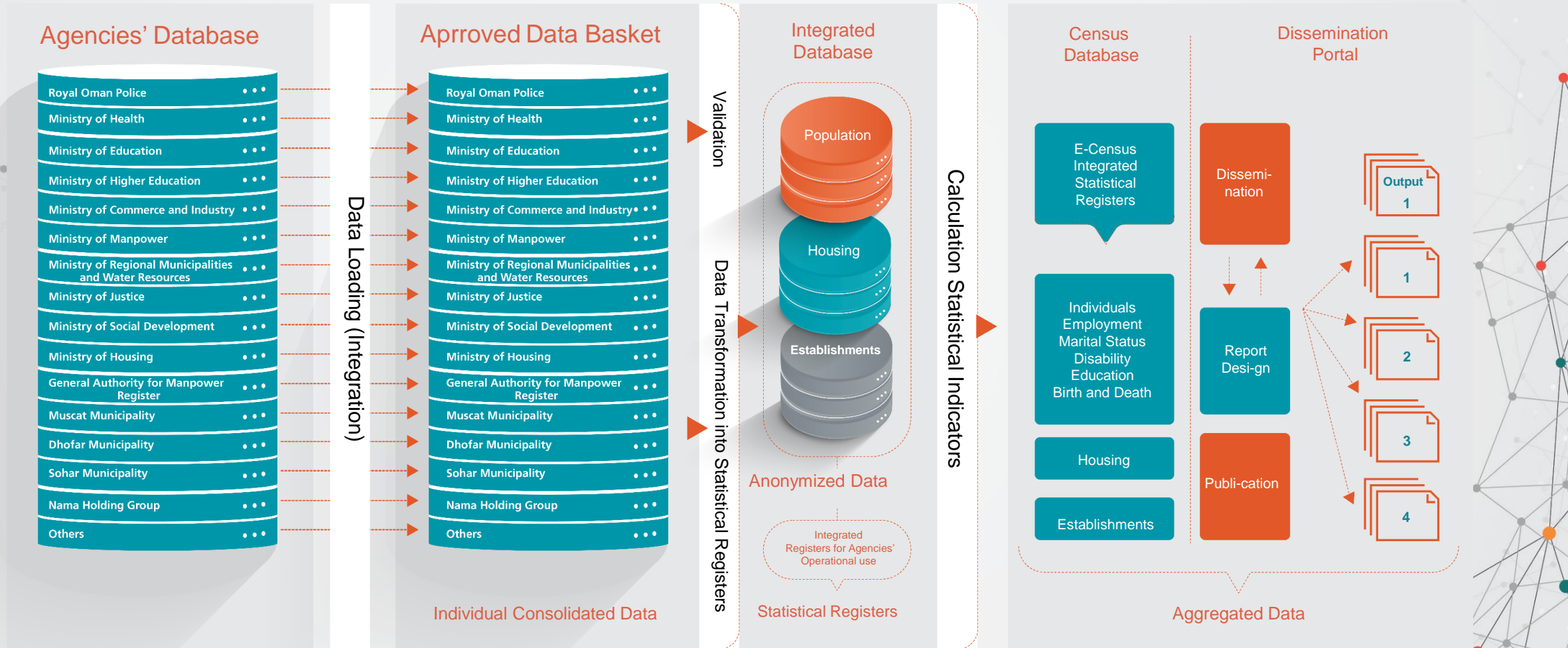
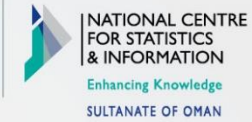
- We already finished the first, second and third phase, and we already started the fourth before the COVID 19.
- Also we already elaborated 2 pilot census.
- E-census team include for 71 employees. They are distributed in five different labs.
- The five labs were in different floors in same building.
- The e-census team working is not stopped during all phases of the census, only two weeks we working from home.

- **Integration : main sources are linked to census system not all**
- **Delay in adding complementary sources : secondary sources (not linked to census data like customs file)**
- **Optimization of ETLs time principle the aggregation transformation (ETL4) : recently 4 hours**

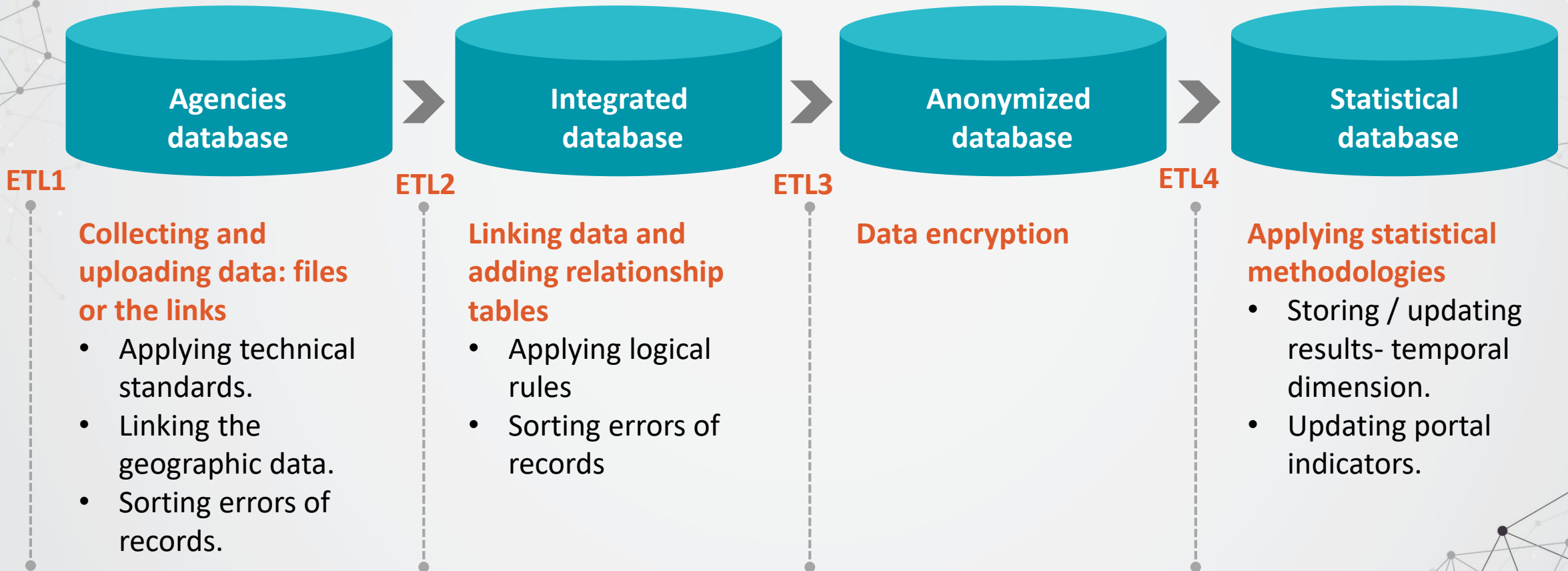


Data System

E-Census 2020 System



A national register system & a statistical production system



E-Census 2020



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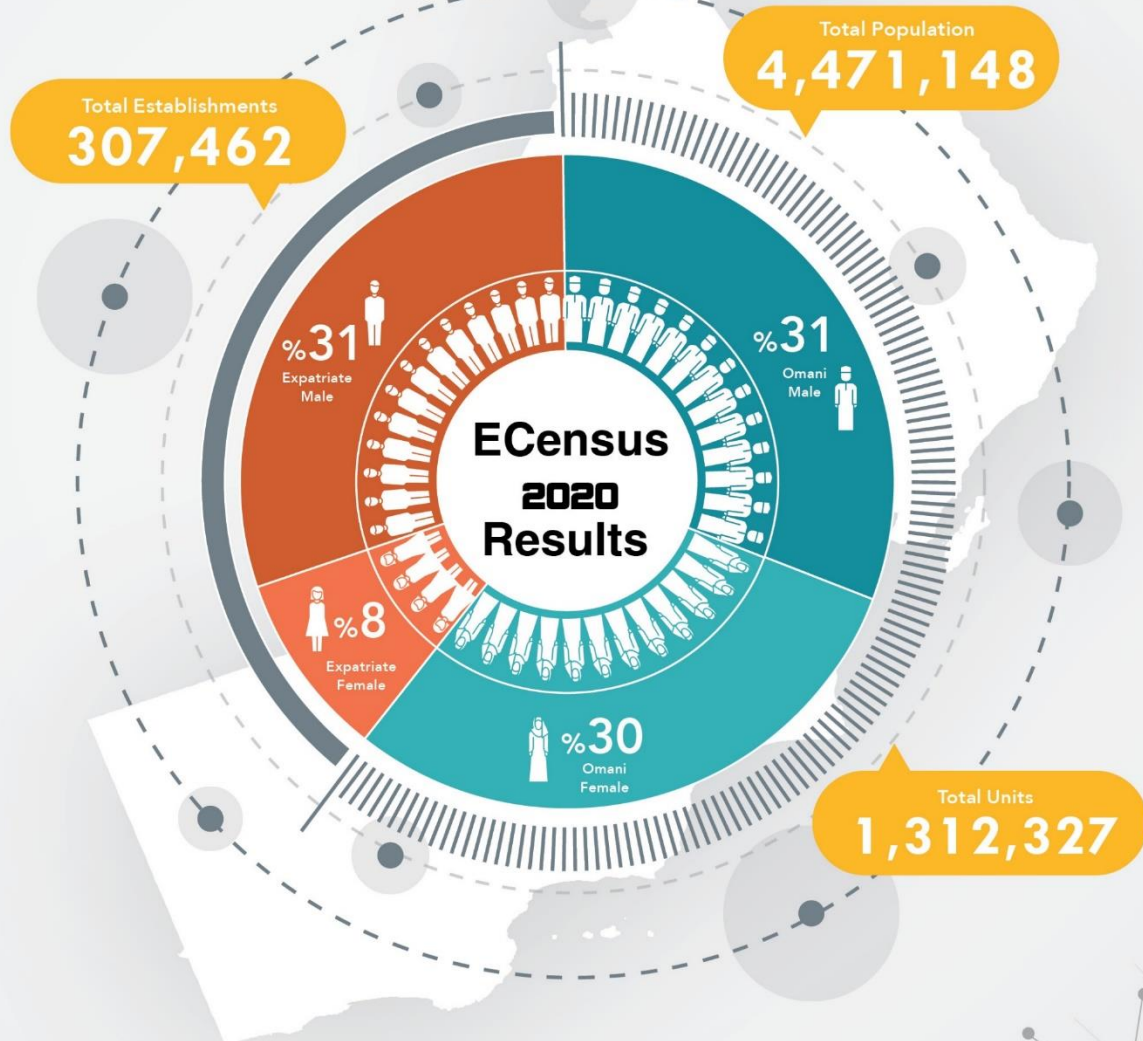


تعداد 2020

التعداد الإلكتروني للسكان والمسكن والمنشآت
Electronic Census of Population, Housing and Establishments



portal.ecensus.gov.om



Thank You

