



EXPERIENCES AND LESSONS LEARNED FROM THE 2020 POPULATION CENSUS



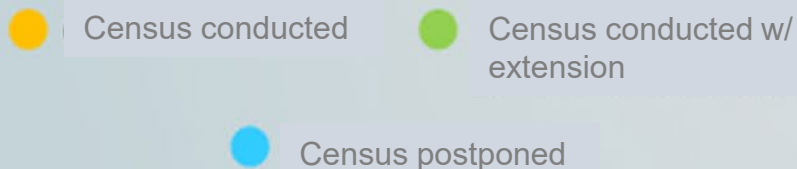
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19 – 20
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THE 2020 CENSUS ROUND

Population Census planned for 2020



- **53 countries** planned to conduct their census in 2020.
- **Mexico** is one of only eight countries in the world that managed to carry it out.
- And **one of the first to publish results.**

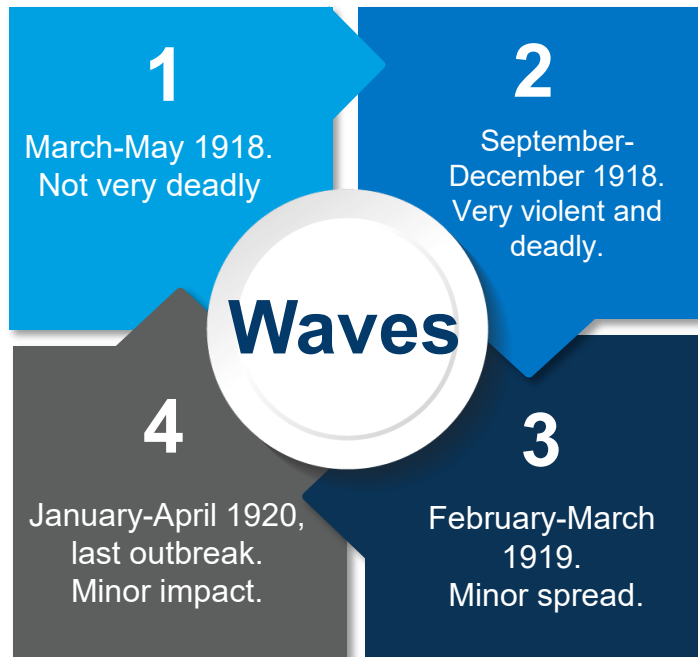
Mexico concluded **the 2020 Census**



- Thanks to this, Mexico now has updated socio-demographic information.
- This allows, among other activities, the allocation of public resources to the states, electoral planning, and the identification of the population vulnerable to the COVID-19 pandemic.
- It is useful for the design of *ad hoc* public policies, such as vaccination and medical care.
- Historical statistical information from other pandemics and the use of technologies were relevant for the completion of this Census.

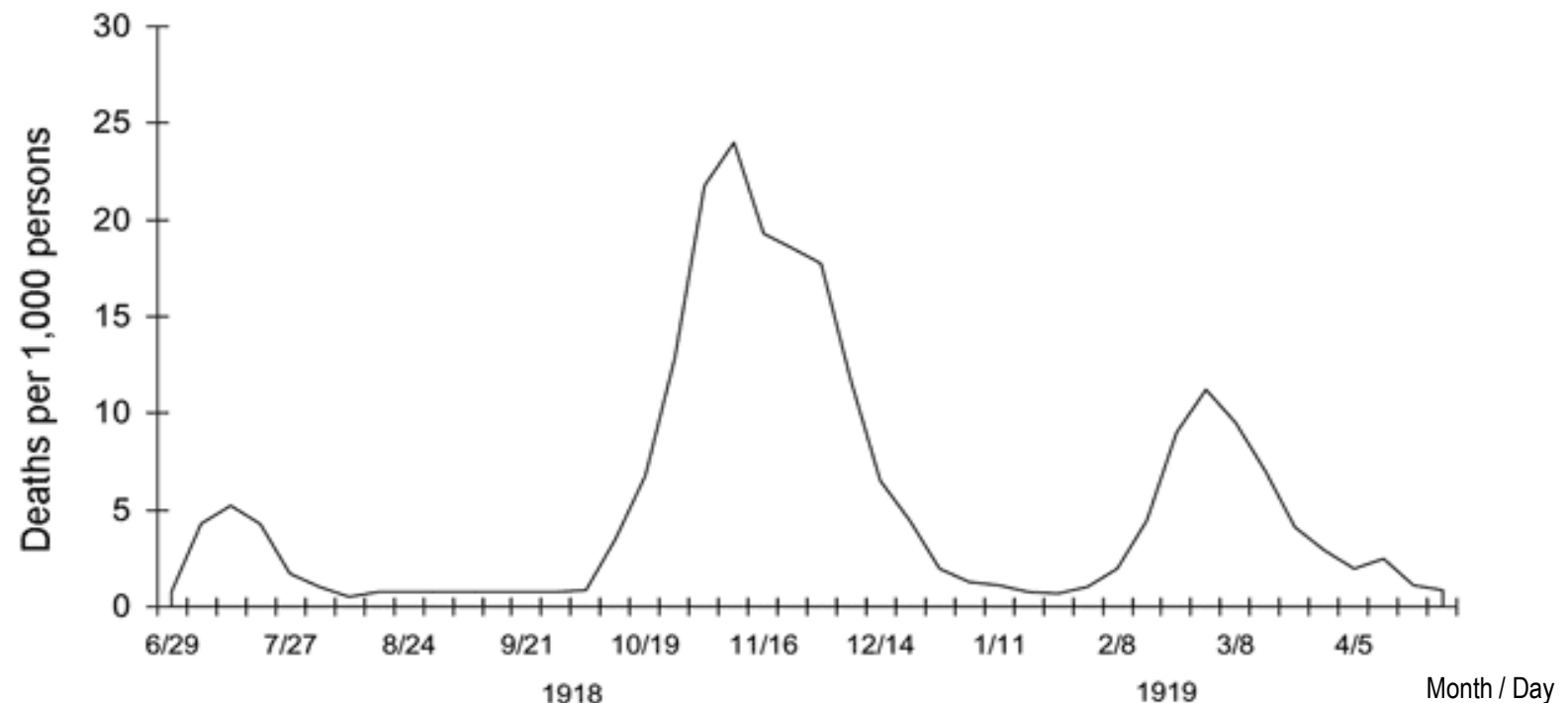
Lessons learned from the 2020 Census

1918 Flu (H1N1)



1) Evidence-based decision making

- Analyzed statistical and historical information from previous pandemics.
- During 1918-1919 it affected mostly young adults aged 20-40 years.
- About **500 million people were infected** and at least **50 million died**.



Jeffery K. Taubenberger¹, David M. Morens (2006). 1918 “Influenza: The mother of all pandemics”. *Biomed magazine*, 17, p. 71.

SARS Cov-1

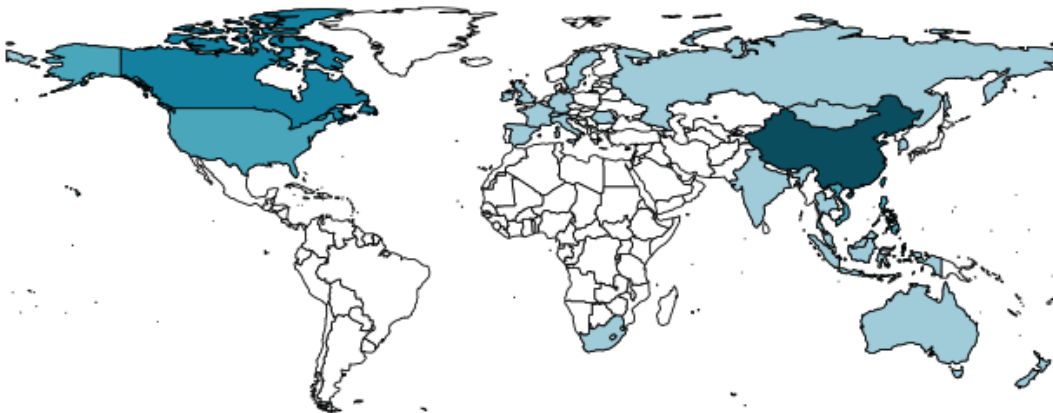


Severe respiratory acute syndrome
demonstrated how quickly an infection spreads in a mobile and interconnected world.

SARS spread in 2002 and 2003

Number of probable cases between November 2002 and July 2003

0-9 10-99 100-999 1,000-5,327



Source: World Health Organization

Probable cases of SARS by week of onset
Worldwide* (n=5,910), 1 November 2002 - 10 July 2003

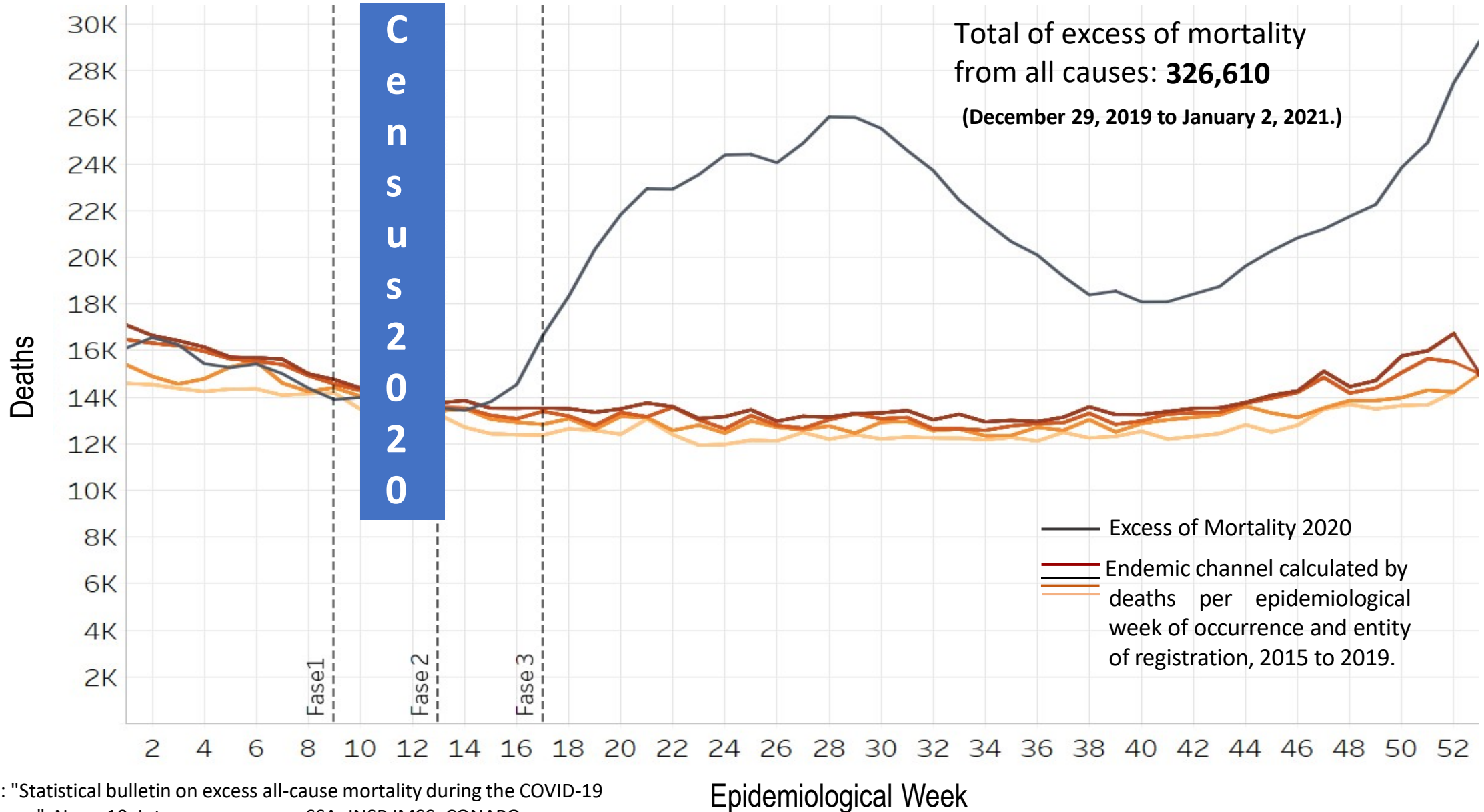


World Health Organization (2003). *Consensus document on the epidemiology of severe acute respiratory syndrome (SARS)*, p. 15

- The **international collaborative effort** allowed health experts to quickly contain its spread.
- Just over 8,000 people became ill, of whom about 1,000 died.

COVID-19 Effect

Excess of Mortality 2020 - 2021



Total of excess of mortality from all causes: **326,610**
(December 29, 2019 to January 2, 2021.)

— Excess of Mortality 2020
— Endemic channel calculated by deaths per epidemiological week of occurrence and entity of registration, 2015 to 2019.

Source: "Statistical bulletin on excess all-cause mortality during the COVID-19 emergency". Num. 10. Inter-agency group SSA, INSP, IMSS, CONAPO, RENAPO, OPS & INEGI.



Knowing the historical dynamics



- Knowing the historical dynamics of pandemics, and their waves, makes possible to **act at the right time with creativity and social commitment.**
- **Statistics** contribute to know the excess mortality and the situation of employment, health and, education, among others. **It is useful for defining vaccination, medical care and, economic and social recovery programs.**
- It is also **useful for making decisions** regarding the implementation of **ongoing statistical programs.**
- When pandemics occur, public resources are channeled to health care, **so NSOs must act quickly and not wait for the crisis to escalate, as resources will be limited.**

Lessons learned:

2) Importance of planning

- **Planning the Census and its technification favored the speed of its data capture, validation and, processing processes, even during the pandemic.**
- Due to its **technification**, a **considerable part of our work was oriented to planning**, design and, technological development.

2017

- Approach of census scenarios.
- Public consultation for questionnaires content and methodology.
- Definition of the census project.
- Tests of operational procedures.

2018

- Planning and execution of thematic tests.
- Definition of the conceptual framework and data collection instruments.
- Pilot census.
- Bidding for the purchase of mobile devices for data collection.

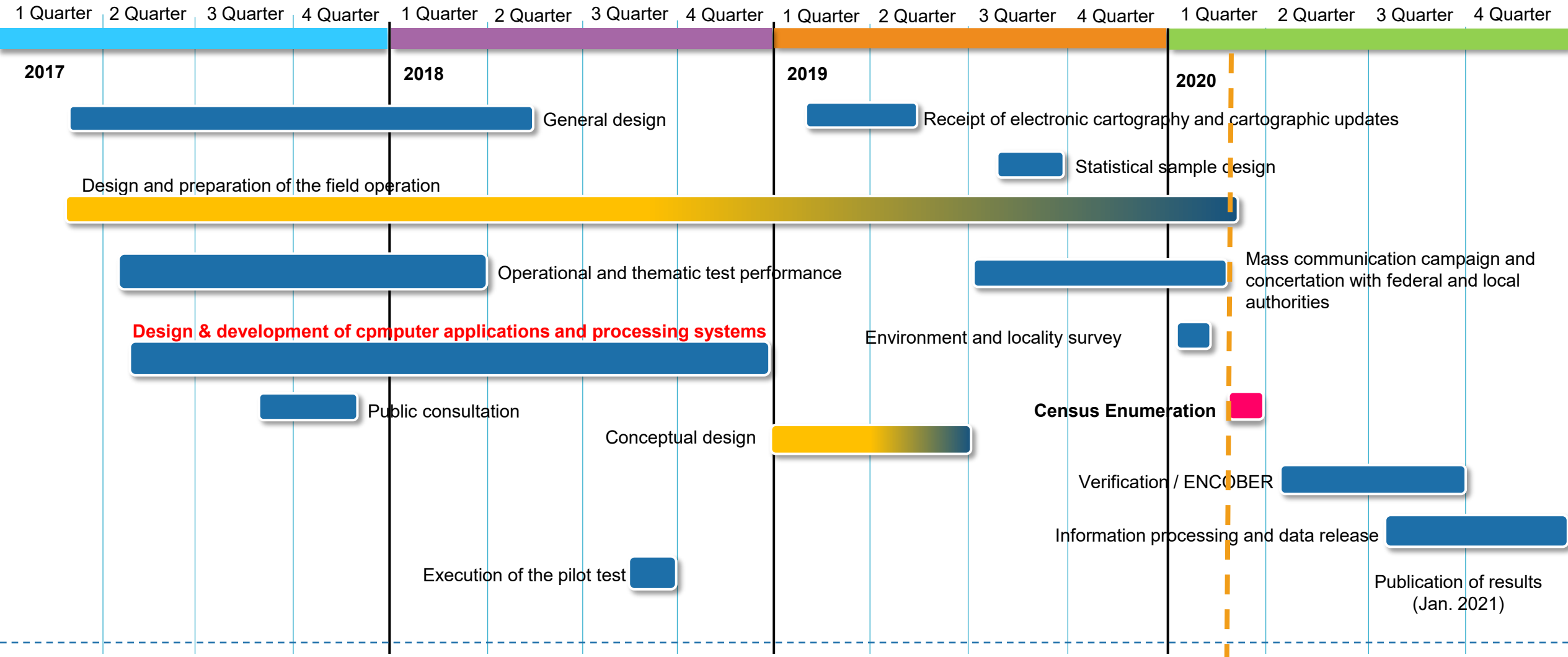
2019

- Statistical design of the census sample.
- Cartographical update in rural Basic Geostatistical areas.
- Statistical design of post-enumeration survey.
- Recruitment and selection of personnel.
- Training of operational staff.
- Beginning of communication campaign.

2020

- Data collection of urban environment characteristics and localities under 5 000 inhabitants.
- Launching of the Census.
- Sampling Survey for Coverage Focalized Estimation
- Information processing.
- Generation of results.
- Publication of results (Jan. 2021).

General program of activities



Due to the **technification** of our census, a large part of the work was devoted to the **planning, design, and technological development phase**, **before the census enumeration**, which subsequently facilitated the fieldwork, even during the pandemic.

Lessons learned:

3) Strong risk management

- NSOs should **perform robust risk management** that:
 - **Includes all phases** of a census.
 - Consider not only the usual or obvious **risks** but also **those that are unlikely**.
 - **High impact risks:** *Epidemic, pandemic (AH1N1, COVID-19), natural disasters (floods, hurricanes, and earthquakes), political and civil conflicts.*
- A **complete risk management** must be carried out **for all statistical projects**.
- Risk analysis will make it possible to adopt a **clear position in the face of a crisis** and to have a **predefined course of action**.

Final thought



- It is important to have **high-level officers with managerial skills** and experience in:
 - **Decision-making** within organizations.
 - Statistical and operational matters, but also...
 - **Knowledgeable of other phenomena**, such as social, environmental, political, and economic phenomena at national and international levels.
- This will allow them to **understand the nature of the challenges or situations** they face.
- It is essential that in their decision making they **consider present and historical information** related to the phenomenon they are facing.

MEXICO

THANK YOU

126 014 024 Inhabitants

