



# Mexican household surveys **IN THE PANDEMIC CONTEXT**



Online meeting on measuring poverty and inequality

EDGAR VIELMA OROZCO

Nov 30 – Dec 2  
2021

Survey response  
**in the pandemic  
context**

# FIRST SANITARIAN MEASURES TO CONTAIN THE COVID-19 PANDEMIC

March 11

WHO declares  
COVID-19  
pandemic.

March 23

School closures and  
**mobility restrictions**  
of vulnerable people.

March 31

INEGI announces  
the suspension of  
its face-to-face data  
collection.

March 18

First death by  
COVID-19 in  
Mexico.

March 23

INEGI employees start  
working from home (Home  
Office), and measures of  
mobility restriction of  
vulnerable employees are  
established, except  
censuses and surveys.

March 30

Mexico  
declares a  
health  
emergency.

**Home office, restriction of population mobility, and suspension  
of face-to-face data collection**

# MEASURES TO ENSURE THE GENERATION OF EMPLOYMENT

March 12

ILO-ECLAC calls for analysis of the impact of the COVID-19 pandemic on statistical operations.

March 16

INEGI begins work on telephone surveys.

April 1

INEGI promotes scenarios for data collection during the pandemic.

April 17

ILO-Latin America forms the "ECOVID Employment" Group, and INEGI joins the group.

March 13

Latin American countries begin impact assessment on statistical operations.

March 24

ILO, ECLAC, INEGI, and other organizations analyze strategies for the continuity of statistical operations.

April 7

INEGI and World Bank analyze strategies to generate information and telephone interviews.

**Use and analysis of previously telephone strategies in Mexico and international experience. Use of exclusive telephone strategy.**

# GRADUAL RETURN TO FACE-TO-FACE POLLING

## First stage: May 18

Whole opening in municipalities without contagion and neighboring municipalities without contagion.

**Third stage: New Normality, June 1, Reopening of activities** based on the weekly epidemiological risk traffic light by regions (state or municipal).

**July 17**  
The Official Journal of the Federation publishes the agreement by which all **censuses and surveys** in the national territory are resumed.

## Second stage: preparation of reopening from May 18 to 31:

Expansion of companies is considered essential and **publication of guidelines** for the early reactivation of activities.

## June 15

Reopening of activities in 16 entities at orange traffic light and application of **Technical Guidelines for Health Safety** in the Work Environment for the reactivation of face-to-face data collection activities.

## July

The face-to-face interviews continue, and the data collected through telephone interviews is maintained.

# STRENGTHENING THE EMPLOYMENT SURVEY

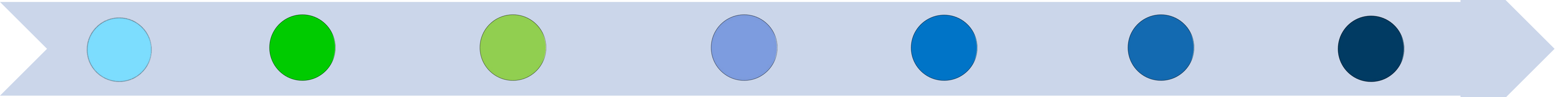
In July 2020, INEGI concluded the dissemination of the ETOE\* and **started the ENOE<sup>N</sup> (New Edition).**

In the **fourth quarter of 2020**, it **initiated a process of public consultation and testing** on changes to the ENOE to deal with contingencies and ensure continuity in the generation of information.

During 2021, the following changes will be consolidated:

- **Migration to electronic devices.**
- **Updating catalogs and classifiers.**
- **Telephone surveys.**

The planned changes seek to provide further **stability to the survey in the face of contingencies and a more significant opportunity** in labor statistics.



**The strategy** of conducting face-to-face and telephone interviews of the **ENOE<sup>N</sup> (New Edition)** will be **maintained as long as the sanitary measures to contain the COVID-19 pandemic continue.**

**INEGI** will apply the **necessary tests and document the possible impact of the changes** on the occupation and employment statistics, which will inform users.

**The ENOE<sup>N</sup> (New Edition), in 2021**, initiated a new series of results based on **estimates of the population figures of the CPH 2020 and the Housing Master Framework.**

## Use of electronic devices, telephone surveys, update of classifiers and new population estimates

\*Telephone Survey of Occupation and Employment (ETOE, for its acronym in Spanish)

\*\* Census of Population and Housing (CPV, for its acronym in Spanish)

# MEASURES TO ENSURE THE GENERATION OF INCOME AND EXPENDITURE

## ENIGH

It has been held **every two years** since 1992, between **August and November**.

2020

In **agreement** with the **Ministry of Health**, virtual training began on **June 15** and on **June 22** in person, with attention to the guidelines of the health and social distance protocols.

There was also an **increase** in **personnel hiring** to underpin greater **control** and **supervision** of operational activities.

Given its subject matter and methodological characteristics, the **interviews** must be carried out **face-to-face** with informants.

In addition, INEGI **adjusted** the **sample size** to **reduce** the expected percentage of **non-response**.

Thus, the survey was **conducted** from **August 21st to November 28th**, in the usual way, but with the **corresponding sanitary measures**.

**Data collection with the corresponding sanitary measures.**

Assessing and improving  
survey methods,  
**and use of  
alternative data  
sources**



# ADVANCES IN LABOR ADMINISTRATIVE DATA

- **For the first time in Mexico, INEGI signed a collaboration agreement with the Mexican Social Security Institute (IMSS for its acronym in Spanish) for the exchange of information and statistical use of administrative records in formal labor matters.**
- **The information of the affiliate workers to the IMSS represents more than 80% of the formal workers of Mexico.**
- **In 2020 this information was declared as Information of National Interest, due to its relevance, within the framework of the Law of the National System of Statistical and Geographical Information (LSNIEG for its acronym in Spanish).**
- **As it is Information of National Interest, it should be used by all federal and local public administration agencies for decision-making in relation to the subject of work policy.**

# ADVANCES IN LABOR ADMINISTRATIVE DATA

- In the **context of the Covid-19 pandemic**, the information from formal **administrative records has served**, among other issues, to **enrich and contrast** the information obtained from **household labor surveys** (e. g. ETOE 2020).
- Currently there are also **administrative data** from the Institute for Social Security and Services for State Workers (**ISSSTE** for its acronym in Spanish), which is the second institution with formal labor information that the Mexican state has (regarding the volume of formal workers) with the **purpose to declare it as Information of National Interest** as well.
- Work is being done to **estimate the formal labor force** through the **union** of the **IMSS** and the **ISSSTE** information.

# LABOR INDICATORS FOR THE FEDERATIVE ENTITIES, APRIL, MAY, JUNE, AND SECOND QUARTER OF 2020

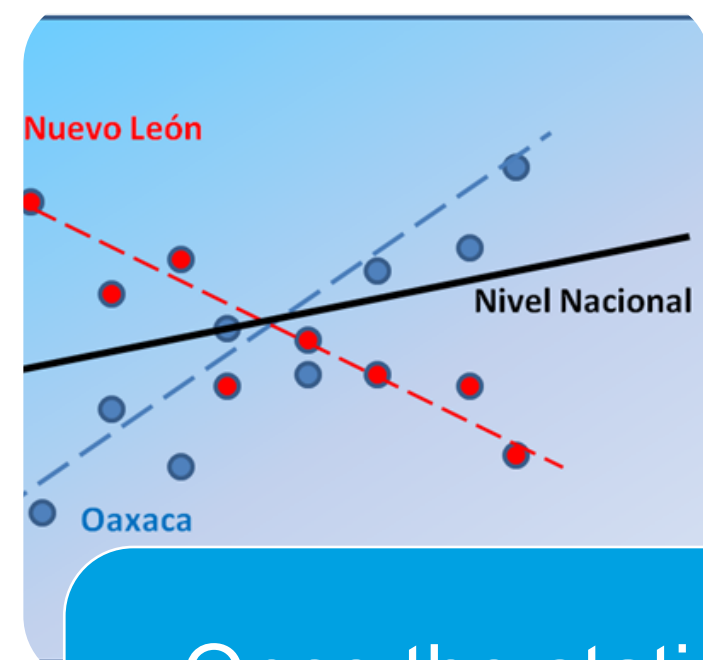
- **Estimates were made by statistical models** of the Economically Active Population, Employed Population, Informal Employed Population, and Under-employed Population, **for each of the country's federal entities**, for April, May and June 2020, as well as for the quarter that it's made of. **Due to the contingency of COVID-19**, for these months the INEGI raised a telephone survey that offers data only at the national level.
- **The estimates were obtained from linear mixed models**, which include a time series component. Its advantage over traditional approaches is that it is not necessary to build a model for each federal entity, but that only one is enough to give results to this disaggregation. For this, the historical behavior of the National Occupation and Employment Survey (ENOE) and the monthly results of the Telephone Occupation and Employment Survey (ETOE) were considered.
- **The estimated figures are reliable, since they are the product of a robust method** where, based on strict compliance with the assumptions, it is possible to obtain estimates at a disaggregated level. The corresponding coefficients of variation do not exceed the 15% limit.

Complete information on labor indicators for the states of Mexico. Estimation by statistical models. April, May and June 2020 can be consulted at the following Internet address: <https://www.inegi.org.mx/investigacion/ilefm/>

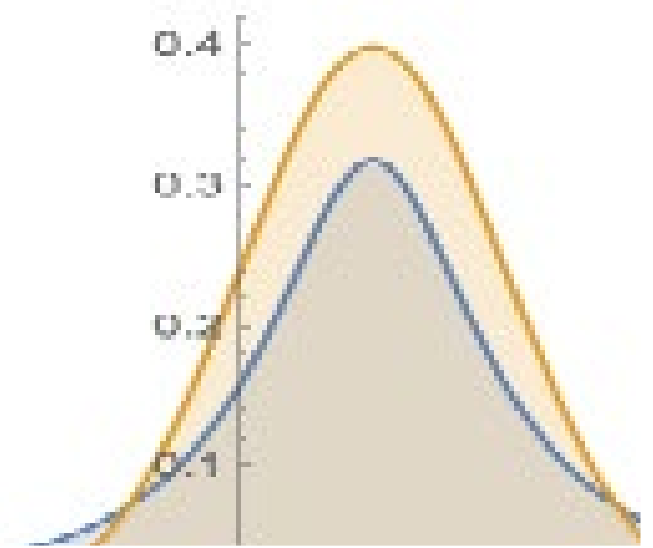
While for the labor indicators for the states of Mexico. Estimation by statistical models. Second quarter-2020, the information is in: <https://www.inegi.org.mx/investigacion/iltefm/>

# LABOR INDICATORS FOR THE FEDERATIVE ENTITIES OF MEXICO, APRIL, MAY, JUNE AND SECOND QUARTER OF 2020

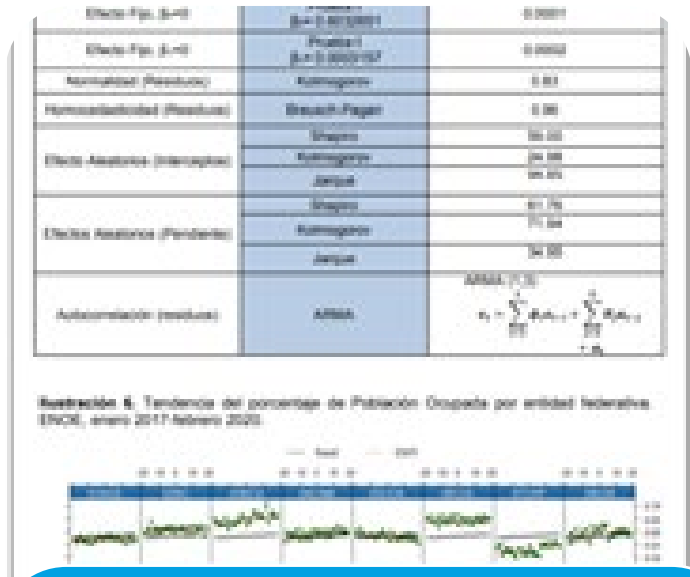
The estimates were obtained from mixed linear models, one model for each labor indicator, using historical information from the ENOE and the national totals obtained from the ETOE. The advantage of mixed models with respect to traditional approaches is that it is not necessary to build a model for each federal entity, but that only one model is enough to give results at this level of geographical disaggregation.



Once the statistical assumptions of the models have been approved, the respective forecasts are made.



The forecasts are adjusted to the ETOE totals, using the distribution of data from the 32 states prior to the pandemic.



The coefficients of variation obtained indicate that the results are reliable.

# NATIONAL SURVEY OF HOUSEHOLD FINANCES (ENFIH) 2019

The Bank of Mexico and the National Institute of Statistics and Geography (INEGI) made available on November 5, 2021, the results of **the first measurement of the**  
**National Survey of Household Finances**



**ENFIH  
2019**

Its implementation fills the information gap on the **financial balance of the households**, thereby achieving a measurement of household wealth.

Among many more relevant information for analysts, researchers, and public-policy decision-makers.

**Two field tests were carried out:**

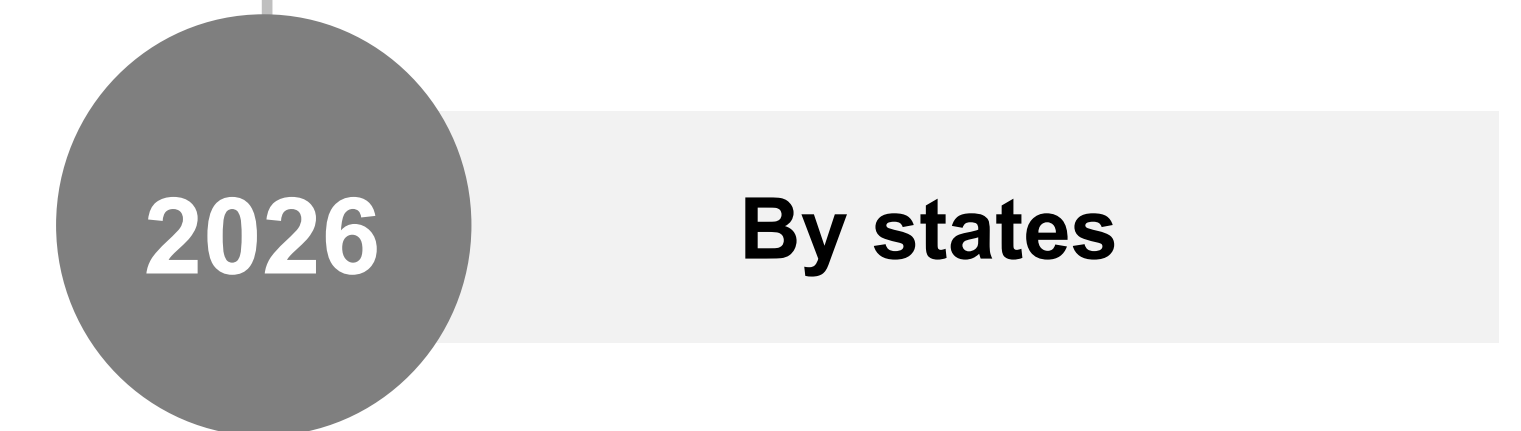
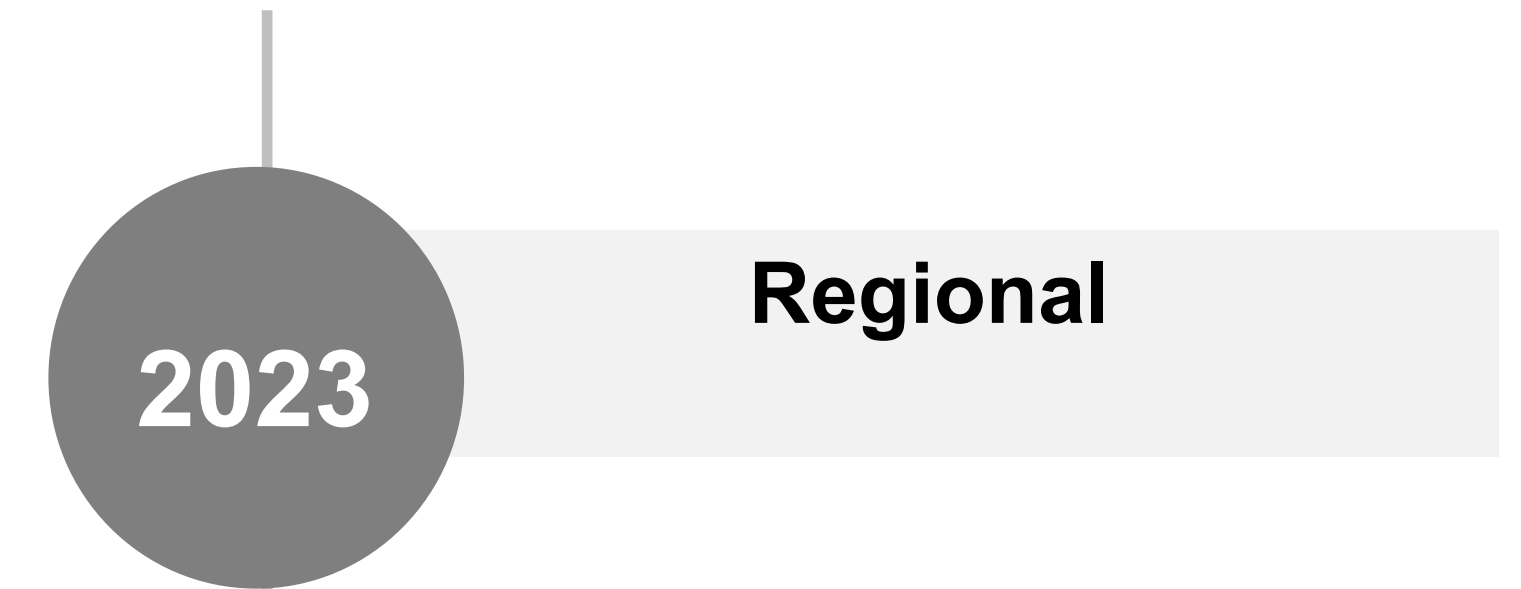
1. From **September 3 to 9, 2017**, with a sample of **200 selected households**.
2. From **April 1 to 10, 2019**, with a sample of **602 households**.

# METHODOLOGICAL CHARACTERISTICS

<b>Objective</b>	To generate statistical information on household finances in Mexico, particularly on the flows and stocks of their assets and liabilities.
<b>Observation unit</b>	The selected housing units, households, and people aged 18 years and over.
<b>Informant</b>	<b>Each household</b> member aged 18 years and over.
<b>Collection instrument</b>	Electronic questionnaire.
<b>Geographic coverage</b>	National.
<b>Sample size</b>	<b>17 386</b> effective households.
<b>Conduction period</b>	From October 7th to November 29th, 2019.
<b>Time Coverage</b>	Information for 2019.

## Upcoming data collections

ENFIH  
2019



↓  
Quadrennial  
regularity

Conociendo  
**México**

800 111 46 34  
[www.inegi.org.mx](http://www.inegi.org.mx)  
[atencion.usuarios@inegi.org.mx](mailto:atencion.usuarios@inegi.org.mx)

    **INEGI** Informa

# Thank you!

