

# Instituto Nacional de Estadística y Geografía

*8111, Repair and maintenance of automobiles and trucks*

**Session: Maintenance and Repair of Motor Vehicles  
turnover/output**

**The 26<sup>th</sup> meeting of the Voorburg Group on Service  
Statistics**

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**INSTITUTO NACIONAL  
DE ESTADÍSTICA Y GEOGRAFÍA**

## **Contents**

- 1.- Definition of service being collected
- 2.- Unit of measure to be collected
- 3.- Market conditions and constraints
- 4.- Standard classification structure and product details/levels
- 5.- Evaluation of standard vs. definition and market conditions
- 6.- National accounts concepts and measurement issues related to GDP measurement
- 7.- Turnover/output data methods and criteria for choosing various output methods
- 8.- Evaluation of comparability of turnover/output data with price index practices

## 1.- Definition of the Service being collected

### **Repair and maintenance of automobiles and trucks<sup>1</sup>**

Repair and maintenance of cars and trucks services is defined as an economic unit, primarily engaged in the repair and maintenance of cars and trucks, in mechanical and electrical repair, bodywork, upholstery, glass installation and other minor repairs on tires and tubes, washing and lubrication.

It also includes general mechanical repairs of cars and trucks combined with the control vehicle emissions service, the adaptation of bodies, the restoration of antique automobiles, the welding on cars and trucks to repair tops and chassis, as well as for polishing and waxing.

<sup>1/</sup> According to the North American Industrial Classification System, Mexico (NAICS 2007)

## 2.- Unit of measure to be collected

The ***Revenues from the provision of services*** is the main concept for measuring economic activities; the Economic Surveys and Census collect several variables related to incomes, in short-term statistics (monthly basis) for example, capture the following:

- ⇒ Days worked
- ⇒ Dependent personnel of the company
- ⇒ Not dependent personnel of the company
- ⇒ Remunerations
- ⇒ **Expenditures on goods and services consumption**
- ⇒ **Expenditures not derived from the activity**
- ⇒ **Revenues for services rendered and goods sold**
- ⇒ **Revenues not derived from the activity**

The output of Repair and maintenance of automobile and truck activities is measured as turnover. Since 2005, data is collected at short-term and for structural statistics; turnover is measured in Mexican pesos and the statistical observation unit is the establishment.

It includes the monetary revenue obtained during the period of reference as a result of the service rendered and complementary activities.

### 3.- Market conditions and constraints

According to the results of the 2009 Economic Census, automotive repair and maintenance activities, have **185.720 establishments**, representing about **37.65% of Sector 81, Other Services (except public administration)**, and **4.99% of total economic activities**.

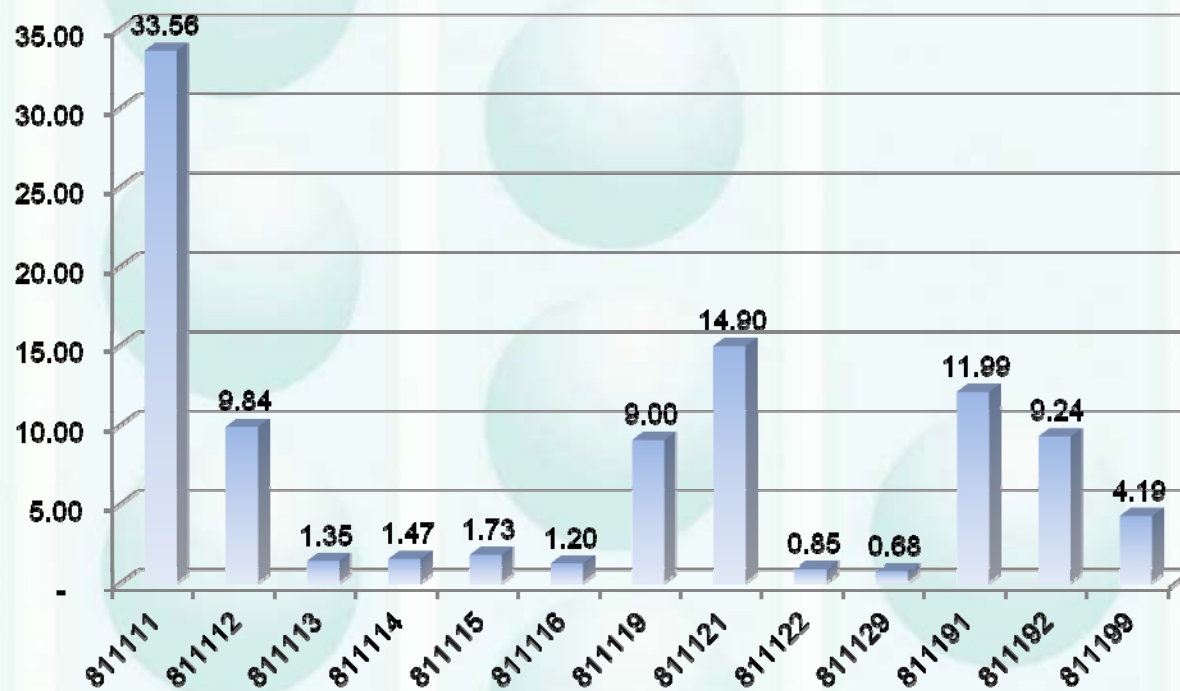
A five-year term, establishments engaged in the repair and maintenance of cars and trucks have **increased 22.65%**; currently **employing about 495,192 people** and generating **annual revenues of 46,554,189 (thousand of pesos)**.

In average, each establishment **employs 2.6 people**; these units are characterized by micro and small size establishments.

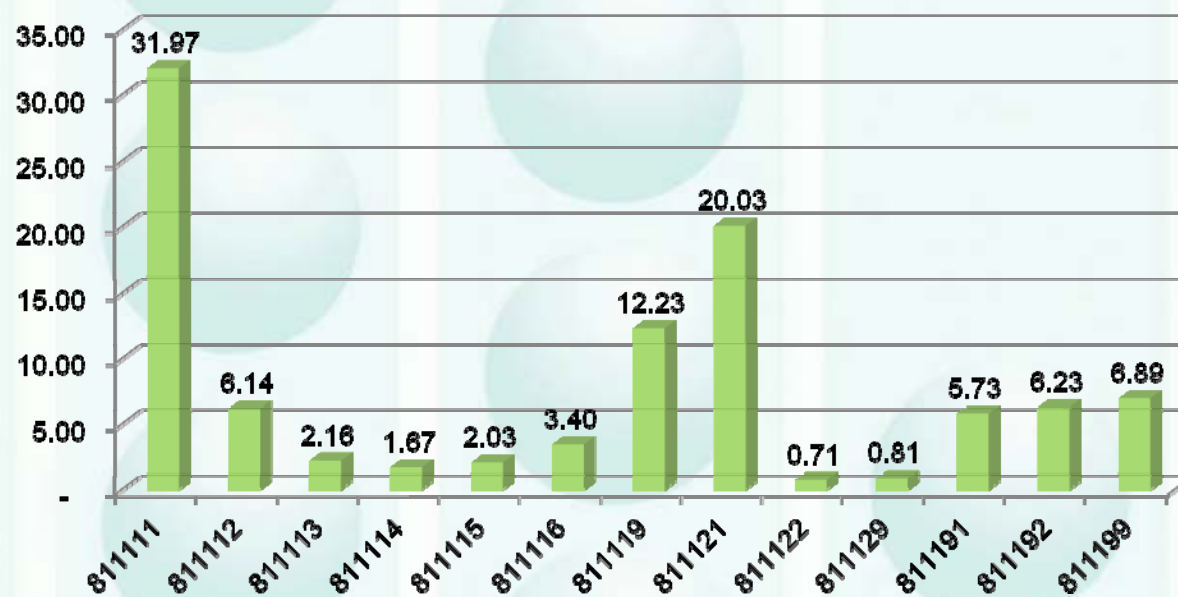
# Share of economic units by economic activity, 2008

## 2009 Economic Census

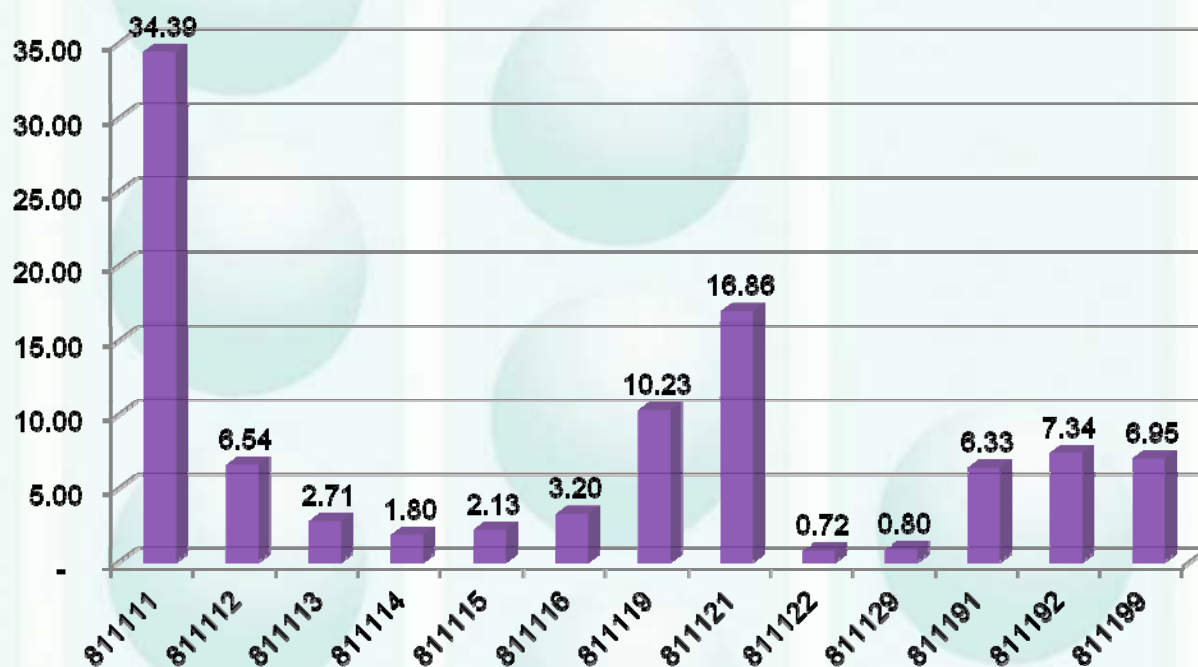
(percentages)



# Share of total gross output by economic activity, 2008 2009 Economic Census (percentages)



## Share of total revenues by economic activity, 2008 2009 Economic Census (percentages)





#### 4.- Standard classification structure and product details/levels

The **North American Industry Classification System (NAICS - Mexico)**, aims to provide a unique, consistent and updated framework for the collection, analysis and report of economic statistics, which reflects the structure of the Mexican economy.

**NAICS Mexico** is the basis for the generation, presentation and dissemination of all economic statistics.

Regarding the **products** for repair and maintenance activities, preliminary lists of products to collect incomes by the type of product were used in the Economic Census, however, there have not been products incorporated into short-term statistics; we are currently evaluating the questionnaires (annually and monthly) to collect products detail.

## Repair and maintenance of automobiles and trucks, NAICS 2007 structure

81, Other services, except government activities

811, Repair and maintenance services

### **8111, Repair and maintenance of automobiles and trucks**

*81111, Mechanical and electrical repair of automobiles and trucks*

811111, General mechanical repair for automobiles and trucks

811112, Electrical system repair for automobiles and trucks

811113, Motor parts rectification for automobiles and trucks

811114, Transmission repair for automobiles and trucks

811115, Suspension repair for automobiles and trucks

811116, Wheel alignment and balancing for automobiles and trucks

811119, Other mechanical repair for automobiles and trucks

*81112, Tinwork, upholstery and other body repair for automobiles and trucks*

811121, Tinwork and paint for automobiles and trucks

811122, Upholstering for automobiles and trucks

811129, Glass installation and other body repairs for automobiles and trucks

*81119, Other repair and maintenance services for automobiles and trucks*

811191, Minor tire repair

811192, Washing and lubricating of automobiles and trucks

811199, Other repair and maintenance services for automobiles and trucks

## 5.- Evaluation of standard vs. definition and market conditions

⇒ The definitions of turnover/output presented in the questionnaires are aligned with international recommendations and the National Accounts System.

⇒ However, due to very particular characteristics of the repair and maintenance activities of the micro and small establishments with an average of 2.6 employed persons, that do not make use of accounting records to measure economic variables, it is difficult to collect data on short-term statistics.

## 6.- National accounts concepts and measurement issues related to GDP measurement

⇒ The indirect calculation based on the relationship between the indicators of physical volume of automobile production, considering that the vehicle fleet with an average use of five years or more, require frequent repair and maintenance services.

⇒ The variables of incomes (as turnover), expenses and occupied personnel, among others, are provided by the Economic Census and Surveys.

## **7.- Turnover/output data methods and criteria for choosing various output methods**

The National Economic Survey System carried out monthly and annually are based on sample surveys; the monthly survey covers the main variables: employed personnel, wages, incomes and expenses, while the annual survey covers structural variables: fixed assets, among others.

The output of repair and maintenance of automobile and truck activities is measured as a turnover.

## **8.- Evaluation of comparability of turnover/output data with price index practices**

Up to now, we have not calculated producer price indices at a six digits level, which is why there have been no comparisons with the turnover concept.

**...Thank you!!!**

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