



REPUBLIC OF CROATIA
CROATIAN BUREAU OF STATISTICS



QUALITY REPORT FOR STATISTICAL SURVEY

Volume of Road Traffic-vehicle-kilometres (domestic vehicles) for 2023

Organisational unit: Spatial Statistics Directorate, Transport Statistics Department

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0. Basic information

- Purpose, goal, and subject of the survey

The purpose of the survey is to collect and disseminate the data on the vehicle-kilometres travelled by national vehicles¹⁾ on the territory of the Republic of Croatia and on foreign territory, by type of vehicle and type of fuel.

- Reference period

Calendar year

- Legal acts and other agreements

- Annual Implementation Plan of Statistical Activities of the Republic of Croatia
- Protocol on cooperation between the Croatian Bureau of Statistics (CBS) and the Ministry of the Interior (MUP) in the field of mutual data exchange
- Partnership participation, Eurostat/ITF/UNECE Common Questionnaire

- Classification system

- Type of vehicle
- Type of engine
- Type of vehicle body
- Purpose of vehicle
- Type of fuel
- CVH vehicle categories (Center for Vehicles of Croatia)
- MUP vehicle categories

- Statistical concepts and definitions

Vehicle-kilometre is a unit of measure representing the movement of a road vehicle over one kilometre. The distance to be observed is the distance actually travelled. It includes movements of empty road motor vehicles. Units made up of a tractor and a semi-trailer or a lorry and a trailer are counted as one vehicle. Road vehicle is a vehicle running on wheels and intended for use on roads.

National vehicle is a road motor vehicle registered in the Republic of Croatia and bearing registration marks of the Republic of Croatia.

Road motor vehicle is a road vehicle fitted with an engine whence it derives its sole means of propulsion, which is normally used for carrying persons or goods or for hauling vehicles used for the carriage of persons or goods. Motor vehicles running on rails are excluded.

According to Annex I of the Ordinance on the Conformity Assessment of Motor Vehicles and Their Trailers, motor vehicle categories are as follows: M1 (passenger cars), M2 and M3 (buses and coaches), N1, N2 and N3 (goods vehicles), L1, L2 and L6 (mopeds), L3, L4, L5 and L7 (motorcycles), and T5 (tractors on wheels).

1) In this text, the terms "domestic vehicle" and "national vehicle" are used as synonyms to align with Eurostat terminology.

- **Statistical unit**

The data on vehicle-kilometres travelled by national vehicles on the territory of the Republic of Croatia and on foreign territory are based on administrative data obtained from the Center for Vehicles of Croatia and the Ministry of the Interior as well as on estimates of the Croatian Bureau of Statistics. The estimate of vehicle-kilometres travelled by national vehicles was obtained on the basis of data on kilometres travelled by vehicles that had taken a vehicle inspection test and the number of registered vehicles in the Republic of Croatia.

- **Statistical population**

Vehicles registered in the Republic of Croatia that participate in traffic on the territory of the Republic of Croatia and on foreign territory.

1. Relevance

1.1. Data users

- European Commission
- researchers and scientists, journalists
- state institutions and different organisations in the transport sector

1.1.1. User needs

The standard applied at the level of the European Statistical System meets the needs of national and international users.

1.1.2. User satisfaction

The first user satisfaction survey of the Croatian Bureau of Statistics was conducted in 2013, the second one in 2015, and the last one at the end of 2022. The results of the survey are available on the website of the Central Bureau of Statistics <https://dzs.gov.hr/highlighted-themes/quality/user-satisfaction-surveys/686>.

1.2. Completeness

The survey covers all the variables prescribed by legal acts.

1.2.1. Data completeness rate

Data completeness rate is 100%.

2. Accuracy and reliability

2.1. Sampling error

Not applicable.

2.1.1. Sampling error indicators

The indicator is not applicable.

2.2. Non-sampling error

Not applicable.

2.2.1. Coverage error

The indicator is not computed for this survey.

2.2.2. Over-coverage rate

The indicator is not applicable.

2.2.3. Measurement errors

During the statistical data processing, data verification of the received data is conducted and they are compared to the previous year.

2.2.4. Non-response errors

Not applicable.

2.2.5. Unit non-response rate

The indicator is not applicable.

2.2.6. Item non-response rate

The indicator is not applicable.

2.2.7. Processing errors

The indicator is not computed for this survey.

2.2.8. Imputation rate

Unweighted imputation rate for certain variables is:

Variable	Domain	Domain value	Value
completely new vehicles	Republic of Croatia	registered vehicles	1,84%

2.2.9. Model assumption error

The indicator is not applicable for this survey.

2.3. Data revision

2.3.1. Data revision – policy

The users of statistical data are informed about revisions on the website of the Croatian Bureau of Statistics, on the link – [General Revision Policy of the CBS](#).

2.3.2. Data revision – practice

Provisional data are not published in the survey and therefore there are no data revisions.

2.3.3. Data revision – average size

The indicator is not applicable.

2.4. Seasonal adjustment

The indicator is not applicable for this survey.

3. Timeliness and punctuality

3.1. Timeliness

15 months after the end of a year.

3.1.1. Timeliness – first results

The indicator is not applicable.

3.1.2. Timeliness – final results

Timeliness – final results: T + 449

3.2. Punctuality

The percentage of editions/data delivered in a timely manner is 100%.

3.2.1. Punctuality – delivery and publication

Delivery and publication is 1.

4. Accessibility and clarity

Data are disseminated in electronic form on the website of the Croatian Bureau of Statistics.

4.1. News releases

[First Release “Volume Of Road Traffic Of Domestic Vehicles, 2023”](#)

4.2. Online database

Data are not available in online databases.

4.3. Microdata access

The conditions under which certain users can access microdata are regulated by the [Ordinance on Conditions and Terms of Access and Use of Confidential Statistical Data of the Croatian Bureau of Statistics for Scientific Purposes](#) (NN, No. 5/23).

4.4. Documentation on methodology

The definitions used in data collection are available in the publications of the CBS (First Release and Statistics in Line “Transport and Communication”), while additional elements are available in the Glossary for Transport Statistics.

5. Coherence and comparability

5.1. Asymmetry for mirror flows statistics

The indicator is not applicable for this survey.

5.2. Comparability over time

Since 2014

5.2.1. Length of comparable time series

Length of comparable time series is 10.

5.2.2. Reasons for break in time series

The comparable time series of data has been available since 2014.

5.3. Coherence –short-term and structural data

The indicator is not applicable.

5.4. Coherence – national accounts

The indicator is not applicable.

5.5. Coherence – administrative sources

The indicator is not applicable.

6. Cost and burden

6.1. Cost

Given that the databases are obtained from administrative sources, the production and processing costs are minimal.

6.2. Burden

The indicator is not computed for this survey.