



REPUBLIC OF CROATIA
CROATIAN BUREAU OF STATISTICS



QUALITY REPORT FOR STATISTICAL SURVEY

Volume of Road traffic-vehicle-kilometres (domestic and foreign vehicles) for 2023

Organisational unit: Spatial Statistics Directorate, Transport Statistics Department

Prepared by: Snježana Kos and Korana Šakić Pokrivač

July 2025

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 national¹⁾ and foreign vehicles on the territory of the Republic of Croatia, by type of vehicle and type of road where road traffic takes place.

- Reference period

Calendar year

- Legal acts and other agreements

- Annual Implementation Plan of Statistical Activities of the Republic of Croatia
- Partnership participation, Eurostat/ITF/UNECE Common Questionnaire

- Classification system

- Type of vehicle
- Type of road

- 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.

Foreign vehicle is a road motor vehicle not registered in the Republic of Croatia and not bearing registration marks of the Republic of Croatia.

Motorway, in accordance with the international definition from the Glossary for Transport Statistics (UNECE, ITF and Eurostat – 4th edition), is a public road specially built and intended for the traffic of motor vehicles, having two non-adjoining carriage ways (green area, protective fence, etc.) for traffic in either direction with at least two lanes considering the configuration of the terrain as well as one lane for stopping the vehicle in need, with no crossing with roads, railways or tramways at the same level and with specially constructed lanes for speeding or slowing down and junctions for access or exit that makes traffic safer and easier. Being a motorway, it is marked with a prescribed traffic sign.

- Statistical unit

Data on the road traffic volume in vehicle-kilometres were provided by the Hrvatske ceste d.o.o. and encompass the total traffic of national and foreign vehicles on the national territory based on the annual traffic count on the roads of the Republic of Croatia.

- Statistical population

National and foreign vehicles that participate in traffic on the roads on the territory of the Republic of Croatia.

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

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, received data are compared to the previous year, after which possible major deviations are checked in cooperation with the reporting units.

2.2.4. Non-response errors

Not applicable.

2.2.5. Unit non-response rate

The indicator is not computed.

2.2.6. Item non-response rate

The indicator is not computed.

2.2.7. Processing errors

The indicator is not computed for this survey.

2.2.8. Imputation rate

The indicator is not applicable.

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 this 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

Six 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 + 181

3.2. Punctuality

There is no time lag between the actual dissemination of the data and the planned date when they were to be disseminated according to the Calendar of Statistical Data Issues.

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 (CBS).

4.1. News releases

Data compiled in this survey are not published in a First Release.

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

Definitions used in data collection are available in the publications of the CBS (Statistical Information 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 1998

5.2.1. Length of comparable time series

Length of comparable time series is 25.

5.2.2. Reasons for break in time series

The comparable time series of data has been available since 1998.

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 aggregated data are obtained electronically, the production and processing costs are minimal.

6.2. Burden

The indicator is not computed for this survey.