



REPUBLIC OF CROATIA
CROATIAN BUREAU OF STATISTICS



QUALITY REPORT FOR STATISTICAL SURVEY

Annual Survey on Water Supply System (VOD-2V) for 2024

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0. Basic information

- Purpose, goal, and subject of the survey

The aim of the research is to collect data on Volume of abstracted water by water sources, volume of water distributed to consumers, water losses, water main network.

- Reference period

Calendar year

- Legal acts and other agreements

[Decision on the National Classification of Activities – NKD 2007. \(OG, No. 58/07 and 72/07\)](#)

[Ordinance on the Register of Spatial Units \(OG 37/20\)](#)

[Water Act \(OG, No. 47/23\)](#)

[Regulation \(EC\) No 1893/2006 of the European Parliament and of the Council of 20 December 2006 establishing the Statistical Classification of Economic Activities NACE Rev. 2 and amending Council Regulation \(EEC\) No 3037/90 and certain EC Regulations on specific statistical domains](#)

- Classification system

National Classification of Activity, 2007

- Statistical concepts and definitions

Water supply from public water supply system is the total volume of water abstracted from ground waters (underground sources and springs), surface waters (watercourses, reservoirs and lakes) and the total volume of water abstracted from other water supply systems.

Abstracted volume of water is the total volume of water abstracted from all water sources. Water sources may be ground and surface ones. Public springs are all sources that are used in supplying of water mains, such as ground watercourses, springs, watercourses, reservoirs and lakes.

Distributed volume of water is the volume of water sold to consumers (households, economy), to other water supply systems, water used in own water supply system and volume of uncharged water.

Total water losses are losses actually found in public water main network, caused by mechanical malfunctions or installation defects on water mains.

The length of the public water main network consists of the length of water mains and the length of distribution network.

The length of water mains is the length of pipes used for the supply of water and reaching of the required pressure.

The length of distribution network is the length of the water main network from the tank to the consumer (excluded are the length of connections and network in a building).

Water treatment plants are facilities used for purification (conditioning). Tanks are divided into underground and elevated (tower-shaped) ones, used for the accumulation of water and reaching the required pressure.

- Statistical units

Reporting units are public water suppliers of public water services. According to the Water Act (NN, No 47/23), the public water supplier of public water services is a company in which all shares or equity shares are held directly by local self-government units, that is, an institution founded by a local self-government unit.

- Statistical population

The report is filled in by legal entities and parts thereof registered according to the NKD 2007 (NN, No 58/07 and 72/07) in section E Water supply; sewerage, waste management and remediation activities, class 36.00 Water collection, purification and supply.

1. Relevance

1.1 Data users

Scientists, students

1.1.1 User needs

Scientists - for research, students - for thesis

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 survey results can be checked on the website of the Croatian Bureau of Statistics <https://dzs.gov.hr/highlighted-themes/quality/user-satisfactionsurveys/686>.

1.2. Completeness

Data are transmitted to Eurostat in accordance with the gentlemen's agreement. The data are collected only for national and Eurostat purposes.

1.2.1 Data completeness rate

Indicator for this survey is not applicable.

2. Accuracy and reliability

2.1. Sampling error

Not applicable.

2.1.1 Sampling error indicators

Indicator for this survey is not applicable.

2.2. Non-sampling error

The eligibility rate is the share of eligible reporting units among all selected reporting units.

2.2.1. Coverage error

Not applicable, the coverage is full. The source for the address list of reporting units is the Statistical Business Register. The data are also compared with the last year's address list of reporting units.

2.2.2. Over-coverage rate

Indicator for this survey is not applicable.

2.2.3. Measurement error

A treatment includes data verification, while errors that emerged are checked by phone with reporting units before correction.

2.2.4. Non-response error

Reporting units are contacted by telephone if necessary.

2.2.5. Unit non-response rate

Indicator for this survey is not applicable.

2.2.6. Item non-response rate

Indicator for this survey is not applicable.

2.2.7. Processing error

Data that have been incorrectly entered either by the reporting unit or during the processing are verified and corrected.

2.2.8. Imputation rate

Indicator for this survey is not applicable.

2.2.9. Model assumption error

Not applicable.

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

Since 2018, the Croatian Bureau of Statistics has ceased to conduct a part of the survey relating to particular water supply facilities due to the implementation of the new methodology. This information is published in the First Release as a notice.

2.3.3. Data revision – average size

Indicator for this survey is not applicable.

2.4. Seasonal adjustment

Not applicable.

3. Timeliness and Punctuality

3.1. Timeliness

T+ 6,5 months (Data for 2023 were published in a First release at 12 July 2024)

T+ 6,17 months - PC AXIS data base - 19.7.2024

3.1.1. Time lag – first results

Time lag - first results is: T + 6,5

3.1.2. Time lag – final results

Time lag - final results is: T + 0

3.2. Punctuality

T+0 All data were delivered on time based on the planned date of publication.

3.2.1. Punctuality – delivery and publication

Delivery and publication is: 0

4. Accessibility and clarity

Data are disseminated in paper and in electronic format - release on the website of the Croatian Bureau of Statistics in the form of the First Releases and in the PC-AXIS database.

The First Release contains short methodological explanations, such as source and methods of data collection, coverage and comparability, definitions and etc. Metadata are also available in the database.

4.1. News release

First Release OEN-2024-1-2 Collection, purification and distribution of water, 2023

Release date: 12 July 2024

4.2. On-line database

Databases - Collection, Purification and Distribution of Water

https://web.dzs.hr/PXWeb/Menu.aspx?px_db=Okolis&px_language=en&rxid=392f9430-ecae-48b0-b88e-0baef3c9b807

4.3. Micro-data 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, br. 5/23).

4.4. Documentation on methodology

The basic methodological explanations are published within first release and database.

5. Comparability over time

5.1. Asymmetry for mirror flows statistics

Not applicable.

5.2. Comparability - over time

Comparable data series refer to the period from 2001 to 2023 (database) and from 2002 to 2023 (First Release).

5.2.1. Length of comparable time series

Length of comparable time series is: 23

5.2.2. Reasons for break in time series

Since 2018, the Central Bureau of Statistics is ceasing to carry out part of the survey for certain plumbing devices due to the application of the new methodology.

5.3. Coherence – subannual and annual statistics

Indicator for this survey is not applicable.

5.4. Coherence – national accounts

Indicator for this survey is not applicable.

5.5. Coherence – administrative sources

Indicator for this survey is not applicable.

6. Cost and burden

6.1. Cost

Costs are associated with data production through material costs and employees' incomes.

6.2. Burden

Indicator for this survey is not computed.