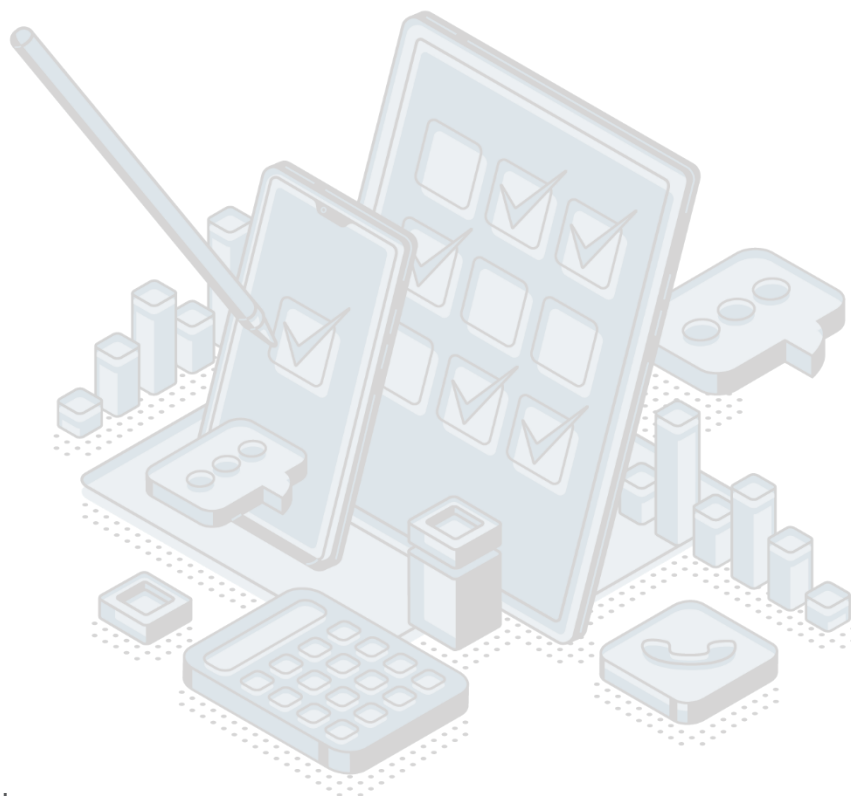


QUALITY REPORT

Employment from administrative source 2023



Responsible person: Radule Lainovic

Department: Department of labor market statistics

Content:

1. Introduction – Basic information about the survey	3
1.1 Purpose, goal and subject of the survey	3
1.2 Legal basics.....	3
1.3 Statistical units.....	3
1.4 Coverage and scope of survey	3
1.4.1 Sectors.....	3
1.4.2 Statistical population.....	3
1.5 Referent geographical area.....	3
1.6 Concepts and definitions	3
1.7 Classifications	3
1.8 Frequency of data collection.....	4
1.9 Frequency of data dissemination.....	4
1.10 Methodology	4
1.11 Base period	4
1.12 Unit of measure	4
1.13 Source of data	4
1.14 Method of data collection.....	4
2. Relevance – Data users	4
2.1 User needs	4
2.2 User satisfaction	5
3. Accuracy and reliability	5
3.1 Accuracy – Overall remark.....	5
3.2 Sampling error	5
Indicators of sampling error.....	5
3.3 Non-sampling error	5
3.3.1 Coverage error	5
Indicator of coverage error	5
3.3.2 Error of measurement.....	6
3.3.3 Non response error.....	6
Item non-response rate	6
3.3.4 Data processing error.....	6
Imputation rate.....	6
3.4 Seasonal adjustments.....	6
3.5 Data revision.....	6
3.5.1 Data revision policy	6
3.5.2 Data revision practice	6
3.5.3 Data revision - average size	6
4. Timeliness and punctuality	7
4.1 Timeliness.....	7
4.2 Punctuality	7
5. Availability and clarity.....	7
5.1 Statistical Release Calendar.....	7
5.2 Access the data Release Calendar	7
5.3 Releases.....	8
5.4 Publication	8
5.5 On-line databases.....	8
5.6 Access to micro data.....	8
5.7 Metadata occupancy.....	8
6. Comparability	8
6.1 Comparability - geographical.....	8
6.2 Time comparability.....	8

1. Introduction – Basic information about the survey

1.1 Purpose, goal and subject of the survey

Employment from administrative sources provides on a monthly and annual level reliable and relevant data on the number, dynamics and structure of employees at the level of sectors of activity and municipalities.

1.2 Legal basics

The Law on Official Statistics and Official Statistical System (Official Gazette of Montenegro No 18/12 and 47/19) defines provisions for collection, processing, and dissemination of data. The Law provides to the Statistical Office clear and wide legal powers to collect and access the data necessary for the implementation of Program and Annual Plan. The Law gives a priority to the use of administrative data and right of access to individual data that are a result of survey of other official statistical producers. As an annex to legal provisions, Statistical Office has signed several memoranda on cooperation with administrative data providers.

1.3 Statistical units

Employees in companies, institutions and organizations of companies, institutions and organizations of all forms of ownership.

1.4 Coverage and scope of survey

1.4.1 Sectors

The survey covered sectors A to S, of NACE Rev 2.

1.4.2 Statistical population

These records include employees in companies, institutions and organizations of all forms of ownership, as well as foreign citizens employed in our country

1.5 Referent geographical area

The whole territory of Montenegro.

1.6 Concepts and definitions

The term employee means all persons who have an established employment relationship with a company, institution or organization or an individual employer, regardless of whether the employment relationship is based on an indefinite or fixed term and whether they work full-time or less than full-time. Since January 1, 2009, the total number of employees in Montenegro includes employed foreigners.

1.7 Classifications

Statistical classification of economic activities in the European Community -NACE Rev. 2

1.8 Frequency of data collection

Data are collected monthly.

1.9 Frequency of data dissemination

Data are published monthly, according to Statistical Data Release Calendar.

1.10 Methodology

Methodology is available on website: <https://monstat.org/cg/page.php?id=1352&pageid=23>

1.11 Base period

The base year is 2010.

1.12 Unit of measure

Employed in the thousands.

1.13 Source of data

Data on the number of employees are obtained on the basis of records regulated by the Law on records in the field of work and employment, and are kept in the Central Register of the Tax Administration, which the Statistics Administration regularly takes over from them. Monstat publishes, based on the database of the Tax Administration, which refers to employees registered through the Single application for registration of taxpayers, contributors and insured persons or JPR forms. The data published by Monstat represents the total number of employees, which includes employed and self-employed insured persons and is included in that database.





1.14 Method of data collection

Administrative source

2. Relevance – Data users

2.1 User needs

International users:

-  Eurostat
-  World Bank,
-  UN organizations,
-  International Monetary Fund.

National users:

-  Ministries and other public administration bodies;

- ✚ Local government and other local government bodies;
- ✚ Central bank;
- ✚ Non-governmental organizations;
- ✚ Students;
- ✚ Researchers;
- ✚ Media.

2.2 User satisfaction

The Statistical Office has adopted the Quality Management Strategy, the Guidebook to the Implementation of the Quality Management Strategy, as well as the Plan for the Implementation of the Quality Policy. In order to measure the degree to which fulfills obligations towards users and within the new quality policy, the Statistical Office conducted User satisfaction survey. The results of the survey are available on the Statistical Office website, link: [User satisfaction report](#)

3. Accuracy and reliability

3.1 Accuracy – Overall remark

The data are from the administrative sources of the records of the Tax Administration and they are reliable for the production of employment statistics. The research is carried out on a full scope.

3.2 Sampling error

Since this statistical survey is conducted on a full coverage basis, sampling errors are not relevant.

Indicators of sampling error

Not relevant.

3.3 Non-sampling error

Non-sampling errors: over-coverage, under-coverage, measurement and processing errors, data editing and imputation errors, non-response.

3.3.1 Coverage error

Since the research is conducted on the basis of full coverage, coverage errors were not determined.

Indicator of coverage error

Not relevant.

3.3.2 Error of measurement

Measurement errors are errors that occur during data collection and cause differences between the recorded and actual values of the variable. By indirect analysis, based on the input results, a correction is made. The same variables are requested from the reporting units every year.

3.3.3 Non response error

Not relevant.

Unit non-response rate

Not relevant.

Item non-response rate

Not relevant.

3.3.4 Data processing error

The processing, checking and correction system is programmed in MC ACCESS. There are various logical and consistency checks, extreme values are checked and duplicates are removed. Errors detected during the debugging procedures have been corrected. After data corrections, the so-called integrated database with all data. In case of logical errors and data inconsistencies, they were corrected.

Imputation rate

Not available.

3.4 Seasonal adjustments

Not relevant

3.5 Data revision

3.5.1 Data revision policy

Statistical Office has adopted the revision policy and it is available on the website: [Revision policy](#)

3.5.2 Data revision practice

Typical revision is rare. Significant revisions have only been made to reflect changes in methodology.

Data on the number of employees for 2021 have been revised

3.5.3 Data revision - average size

Not relevant.

4. Timeliness and punctuality

4.1 Timeliness

Preliminary monthly data are published on the 30th of the month for the previous month. The final annual data are published in the third month of the current year for the reference previous year.

Timeliness of final annual data: T+3 months after the end of the reference period.

Time gap of publication of preliminary data

The indicator of timeliness of publication of preliminary data represents the time between the date of the last day of the reference period and the date of publication of preliminary data. Preliminary data are published on the last day of the month for the previous month. There was no discrepancy between the announced date in the annual Statistical Data Publication Calendar and the actual publication date.

Timeliness of preliminary monthly data: 30 days after the end of the reference period for monthly data.

Time lag of the final results

The indicator of timeliness of publication of final data represents the time between the date of the last day of the reference period and the date of publication of final data. The final annual data are published 3 months after the end of the reference period. There was no discrepancy between the announced date in the annual Statistical Data Publication Calendar and the actual publication date.

Timeliness of final data: T+3 months after the end of the reference period for previous year.

4.2 Punctuality

The punctuality indicator represents the time difference between the actual publication of the data and the planned publication of the data. Deadlines for dissemination of employment data are defined in the Statistical Release Calendar and these deadlines are respected.

5. Availability and clarity

5.1 Statistical Release Calendar

The Law on Official Statistics and Official Statistical System (Official Gazette of Montenegro No 18/12 and 47/19) stipulates that official statistical producers prepare, update, and publish Statistical Release Calendar. It is published on the website of Statistical Office not later than 20 December for the next year, for all official statistical producers that includes date of releasing statistical data. Any change in date of

releasing in the Calendar is published in advance in accordance with the Procedure on Unplanned Revisions.

5.2 Access the data Release Calendar

The calendar of data publication is available on the following link: [Release Calendar](#)

5.3 Releases

Data on the number of employees are published in the monthly statistical review.

5.4 Publication

All publications published by the Statistical office of Montenegro are available at the link: [Publication](#)

5.5 On-line databases

Available on the link: <https://www.monstat.org/eng/page.php?id=1148&pageid=23>

5.6 Access to micro data

The Law on Official Statistics and Official Statistical System (Official Gazette of Montenegro No 18/12 and 47/19) regulates rules under which external users can obtain an access to individual data for needs of research. Article 58 defines types of scientific and research organizations that can obtain such data. Providing individual data without identifier is possible only upon a written request of scientific and research institutions, with purpose of performing scientific and research activities as well as international statistical organizations and statistical producers from other countries. Research entity signs the agreement with Statistical Office, and it signs the statement on respecting the confidentiality principle. Official statistical producers keep separate records on users and purpose of using the statistical data given to these users.

5.7 Metadata occupancy

Not relevant.

6. Comparability

6.1 Comparability - geographical

The survey is for national needs and is in accordance with national legislation.

6.2 Time comparability

Survey data are fully comparable over time and are available from 2010 to 2024 on the MONSTAT website in the Data section, link: <https://monstat.org/cg/page.php?id=1164&pageid=23>

Time comparability indicator

Not applicable.