

# Gross domestic product by expenditure approach, at current prices, at quarterly level

MS\_BDP.TT.3\_Q\_EN\_2024\_0

## Reference Metadata in ESMS 2.0 structure

<b>1</b>	<b>Contact</b>
<b>1.1</b>	<b>Contact organisation</b>
State Statistical Office of The Republic of North Macedonia	
<b>1.2</b>	<b>Contact organisation unit</b>
Department for calculating GDP by expenditure approach	
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<b>2</b>	<b>Metadata update</b>
<b>2.1</b>	<b>Metadata last certified</b>
25/06/2025	
<b>2.2</b>	<b>Metadata last posted</b>

25/06/2025

<b>2.3</b>	<b>Metadata last update</b>
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25/06/2025

<b>3</b>	<b>Statistical presentation</b>
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<b>3.1</b>	<b>Data description</b>
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Gross domestic product (GDP) according to the expenditures approach at current prices, at a quarterly level, and its expenditures aggregates: final consumption, final consumption of households including non-profit institutions serving households, final government consumption, gross investment, exports of goods and services and imports of goods and services.

<b>3.2</b>	<b>Classification system</b>
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Classification of Products by Activity CPA; European Classification of Individual Consumption according to Purpose, 2010, eCOICOP.

<b>3.3</b>	<b>Sector coverage</b>
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<b>3.4</b>	<b>Statistical concepts and definitions</b>
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Gross domestic product according to the expenditure approach, at a quarterly level, shows final use, i.e. consumption of final goods and services produced in the domestic economy for final consumption, gross investment and net exports of goods and services, calculated at current prices. The calculated expenditure aggregates necessary for calculating GDP at current prices, at a quarterly level, are harmonised according to: the European System of Accounts, ESA 2010; the System of National Accounts, SNA2008; Regulation (EC) No. 2223/96 of the Council of Europe of 25 June 1996; Regulation (EC) No. 549/2013 of the Council of Europe of 21 May 2013 and the Eurostat Manuals. The data set for calculating GDP according to the expenditure approach, at current prices, at a quarterly level contains the aggregates: final consumption, final consumption of households including non-profit institutions serving households, final government consumption, gross investment, exports of goods and services and imports of goods and services. Exports and imports of goods are shown on a FOB basis. The data are collected in a combined manner (sampling and administrative) and are used to calculate the appropriate indicators required for calculating GDP according to the expenditure approach, at current prices, at a quarterly level.

<b>3.5</b>	<b>Statistical unit</b>
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<b>3.6</b>	<b>Statistical population</b>
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<b>3.7</b>	<b>Reference area</b>
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## Republic of North Macedonia

**3.8 Time coverage**

From the first quarter of 2000 in accordance with ESA 2010.

**3.9 Base period****4 Unit of measure**

Millions of denars.

**5 Reference period**

Quarter.

**6 Institutional mandate****6.1 Legal acts and other agreements**

National: Law on State Statistics ("Official Gazette of the Republic of North Macedonia" No. 54/97, 21/07, 51/11, 104/13, 42/14 and 192/15) and Statistical Survey Programme 2023-2027 ("Official Gazette of the Republic of North Macedonia" No. 22/18 and 244/18 and Official Gazette of the Republic of North Macedonia" No. 18/20 and 300/20).

International: - European System of Accounts (ESA 2010), established by Regulation (EC) No. 549/2013 of the Council of the European Union of 21 May 2013, which is binding on the EU Member States and the countries of the European Economic Area (EEA). The Regulation was amended by Regulation (EU) 2023/734 of 15 March 2023, which enters into force on 1 September 2024 and updates the technical aspects of the system.; -System of National Accounts (SNA2008), Inter-Ministerial Working Group of the Secretariat for National Accounts (ISWGNA) consisting of five organisations: the Statistical Office of the European Union (Eurostat), the International Monetary Fund (IMF), the Organisation for Economic Co-operation and Development (OECD), the United Nations Statistics Division and the regional commissions of the United Nations, the Secretariat and the World Bank).

**6.2 Data sharing**

Quarterly data to: Eurostat, IMF and UN.

**7 Confidentiality****7.1 Confidentiality - policy**

The data are protected by the Law on State Statistics. Data collected from reporting units through statistical surveys or indirectly, from administrative or other sources, are confidential data and are used exclusively for statistical purposes. The result of statistical processing may generate information that is considered confidential, for example: anonymized individual data, tables with a very low level of aggregation, as well as data that have not yet been published.

The Statistical Confidentiality Policy contains the basic principles applied in the SSO.

## **7.2 Confidentiality - data treatment**

The data collected in this analytical research are used as input for the calculation of the necessary indicators from which GDP is further calculated according to the expenditures approach, at current prices. Since some of these data are not published and are obtained in a combined manner (statistical surveys of the State Statistical Office, the Ministry of Finance, the Public Revenue Office and other relevant institutions), they are protected by the Law on State Statistics.

## **8 Release policy**

### **8.1 Release calendar**

<https://www.stat.mk/en/publishing-calendar/>

### **8.2 Release calendar access**

<https://www.stat.mk/en/publishing-calendar/>

### **8.3 User access**

In accordance with the Dissemination Policy, all users have equal access to the statistical data at the same time. The data are published on the website at the same time for all users who are informed by the Timeliness Calendar and no user has privileged treatment.

## **9 Frequency of dissemination**

Three months.

## **10 Accessibility and clarity**

### **10.1 News release**

"Quarterly release: "Gross domestic product, quarterly data"".

<https://www.stat.mk/en/stat/economy-and-finances/gross-domestic-product/>

### **10.2 Publications**

### **10.3 On-line database**

MAKStat database available on the SSO website.

<https://makstat.stat.gov.mk/PXWeb/pxweb/en/MakStat/>

### **10.4 Micro-data access**

In accordance with the Law on State Statistics (Article 41) and the Access Policy anonymized microdata for scientific research purposes, the data that is collected for the purposes of official statistics can be used for scientific research purposes if their direct or indirect identification is

not threatened, that is the discovery of the individuality of the data. Access to microdata is possible only in the premises of the SSO, and on the basis of previously submitted and approved request and signed contract.

<https://www.stat.mk/en/about-us/procedures/rules-for-access-to-anonymised-microdata-for-research-purposes/>

## **10.5 Other**

The data sent to Eurostat in SDMX format are published on the website of this institution.

## **10.6 Documentation on methodology**

Methodological explanations are published on the website of the State Statistical Office.

<https://www.stat.mk/en/stat/economy-and-finances/gross-domestic-product/>

## **10.7 Quality documentation**

Calculation of gross domestic product according to the expenditures approach, at current prices, on a quarterly basis, since it is an analytical survey, there is no quality report.

# **11 Quality management**

## **11.1 Quality assurance**

The SSO's commitment to ensuring the quality of products and services is contained in the Law on State Statistics, the Strategy of the State Statistical Office (<https://www.stat.mk/en/about-us/policies-and-strategies/strategic-plan/>) and the Quality Policy of the State Statistical Office (<https://www.stat.mk/en/about-us/policies-and-strategies/>), as well as in the continuous efforts to comply with the Code of work of European statistics. The main aspects and procedures for quality management in the stages and sub-processes of the Statistical Business Process Model, as well as good practices and guidelines for quality assurance are documented in an internal document "Guidelines for Reference Metadata according to the ESMS 2.0 structure of the State Statistical Office for Quality Assurance of Statistical Processes". The required input and output metadata, as well as the relevant quality indicators for individual sub-processes, are described in the document "Guidelines for Managers of Statistical Surveys".

## **11.2 Quality assessment**

# **12 Relevance**

## **12.1 User needs**

The calculated GDP according to the expenditures approach, at current prices, on a quarterly basis, is used by: the Government of the Republic of North Macedonia for the purpose of creating economic policy and development, the National Bank of the Republic of North Macedonia (NBRM), which makes projections for GDP movements and the projected growth of the economy, certain organizations and individuals for their individual use, etc.

## **12.2 User satisfaction**

The State Statistical Office conducts a User Satisfaction Survey at the statistical area level. This Survey is conducted every three years, with the last Survey conducted in 2019.

<https://www.stat.gov.mk/Dokumenti/izvestai/IzvestajAnketaZadovNaKorisnici2015.pdf>

## **12.3 Completeness**

Regarding the indicators provided for under the European Commission regulations, the SSO provides most of them.

## **13 Accuracy and reliability**

### **13.1 Overall accuracy**

Not applicable.

### **13.2 Sampling error**

Not applicable.

### **13.3 Non-sampling error**

Not applicable.

## **14 Timeliness and punctuality**

### **14.1 Timeliness**

T+70.

### **14.2 Punctuality**

The data is published within the established deadlines in accordance with the Timeliness Calendar.

## **15 Coherence and comparability**

### **15.1 Comparability - geographical**

The data are produced at the national level. Comparability is ensured at the international level.

### **15.2 Comparability - over time**

From the first quarter of 2003 in accordance with ESA 95. From the first quarter of 2014 in accordance with ESA 2010. Number of reference periods in the time series since the last break is

60.

<b>15.3</b>	<b>Coherence - cross domain</b>
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The data are partially coherent. For the calculation of GDP according to the expenditures approach, at current prices, at a quarterly level, data from other statistical surveys of the SSO, the Ministry of Finance, the NBRM and other relevant institutions and business entities are used. The calculated data for the main categories of GDP according to the expenditures approach, at current prices, at a quarterly level, according to expenditures aggregates, are compared with the data from the State Statistical Office, the Ministry of Finance and the NBRM. Before comparing the data, the methodologies for calculating the respective categories are first reviewed, and then the methodological differences are reduced to the highest level of comparability in order to check the reliability and accuracy of the data collected from this analytical survey with other surveys.

<b>15.4</b>	<b>Coherence - internal</b>
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The internal coherence of the data is ensured. Comparisons are made between the estimated, previous and definitive data on GDP at current prices, according to the quarterly expenditures approach, calculated on the basis of the data provided by other statistical surveys of the SSO, the Ministry of Finance, the NBRM and other relevant institutions and business entities. Additional checks of the calculation approach and analyses are also made with the data on GDP at current prices, calculated according to the production approach. Checks and reconciliations of the quarterly and annual data on GDP at current prices, according to the expenditures approach, are also made.

<b>16</b>	<b>Cost and burden</b>
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<b>17</b>	<b>Data revision</b>
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<b>17.1</b>	<b>Data revision - policy</b>
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In accordance with the Data Audit Policy in the SSO.

<https://www.stat.mk/en/about-us/policies-and-strategies/>

<b>17.2</b>	<b>Data revision - practice</b>
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Data revision is carried out by applying the changes in the SNA 2008 and ESA 2010. Minor or major revisions to the calculated GDP according to the expenditures approach, at current prices and at a quarterly level, are carried out depending on the changes in previously submitted data from other relevant statistical sources, such as the State Statistical Office (SSO), the National Bank of the Republic of North Macedonia (NBRM), the Ministry of Finance, the Public Revenue Office and other institutions. These data are used as input information for the calculation of GDP according to the expenditures approach, at current prices, at a quarterly level. Changes at

the European level may also be the reason for the revision, such as changes in the European System of Accounts (ESA 95, ESA 2010) and the System of National Accounts (ESA 93, ESA 2008).

## **18 Statistical processing**

### **18.1 Source data**

Data sources include statistical surveys from the State Statistical Office (SSO), the National Bank of the Republic of North Macedonia (NBRM), the Ministry of Finance, the Public Revenue Office, as well as other relevant institutions.

### **18.2 Frequency of data collection**

Three months.

### **18.3 Data collection**

Data are collected at a quarterly level through a combined approach, which includes electronic collection of information from other statistical surveys and administrative sources, as well as through a sample of the Quarterly Report on Calculation of Value Added and Investment in Fixed Assets.

### **18.4 Data validation**

Data verification is carried out throughout the entire processing and calculation process in accordance with the criteria for calculating the relevant indicators.

### **18.5 Data compilation**

Editing: The collected data required for calculating GDP according to the expenditures approach, at current prices, at a quarterly level, are calculated according to the defined calculation rules in Excel format.

### **18.6 Adjustment**

## **19 Comment**

Data smoothing is performed using the NbDemetra 2.2.4 software, which uses the Tramo/Seats specification, of which the most important are the following tests: Doornik-Hansen test, Ljung-Box test and ANOVA test.

## **A.1 Annexes**