

Reference Metadata in ESMS 2.0 structure

Statistical survey on deaths	
PM_VIT.2_A_EN_2024_1	
Reference Metadata in ESMS 2.0 structure	
1	Contact
1.1	Contact organisation
State Statistical Office	
1.2	Contact organisation unit
Department for population statistics	
1.3	Contact name
Dijana Krstevska	
1.4	Contact person function
head of departement	
1.5	Contact mail address
Dame Gruev 4, 1000 Skopje, Republic of North Macedonia	
1.6	Contact email address
dijana.krstevska@stat.gov.mk	
1.7	Contact phone number
00389 2 3249-417	
1.8	Contact fax number
00389 2 3111 336	
2	Metadata update
2.1	Metadata last certified
01/06/2025	
2.2	Metadata last posted
01/06/2025	
2.3	Metadata last update
01/06/2025	

3	Statistical presentation
3.1	Data description
<p>Data on demographic and socioeconomic characteristics of the deceased person, the cause of death as well as demographic and socioeconomic characteristics of the mother of the infant death. Data for the number of deaths determines the mortality of a country which represents a negativ component of natural population growth. Data published by causes of death allows monitoring mortality statistics in the country.</p>	
3.2	Classification system
<p>Nomenclature of Territorial Units for Statistics - NTES, 2019</p> <p>https://www.stat.gov.mk/KlasifikaciiNomenklaturi/NTESSIVes2019.pdf</p> <p>National Classification of Occupations, 2015;</p> <p>https://www.stat.gov.mk/KlasifikaciiNomenklaturi/NKZ_2015.pdf</p> <p>System of education in the country in terms of ISCED2011 - International Standard Classification of Education MSKOB (2013);</p> <p>https://www.stat.gov.mk/KlasifikaciiNomenklaturi/2.8.14.01.pdf</p> <p>International Statistical Classification of Diseases and Related Health Problems -10th revision.</p> <p>http://www.slvesnik.com.mk/Issues/9683BF4427FF4AC8AA7419E28F576285.pdf</p>	
3.3	Sector coverage
not applicable	
3.4	Statistical concepts and definitions
<p>A deceased person is every live born person that showed permanent disappearance of all evidence of vital functions. An infant death - is a child who died before completion of the first year of age. Crude mortality rate - is the ratio between the number of deaths in the calendar year and the mid-year population of the same period, multiplied by 1000. Infant mortality rate - is the ratio between the number of infant deaths in a given calendar year and the number of live births in the same year, multiplied by 1000.</p>	
3.5	Statistical unit
Each deceased person that has been registered in the register of deaths.	
3.6	Statistical population
<p>Total number of deaths in the current (calendar) year occurred in the Republic of North Macedonia. According to the international recommendations for publishing vital statistics and with the aim of presenting the situation more objectively, starting from 2004, the State Statistical Office has changed the methodology of presenting data on vital events, where the total number of cases includes vital events occurring only in the Republic of North Macedonia.</p>	

3.7	Reference area
NTES 1, 2, 3 and 4 (Republic of North Macedonia)	
3.8	Time coverage
Since 1947. Since 1994 at regional level according to Nomenclature of Territorial Units for Statistics - NUTS.	
3.9	Base period
Not applicable	
4	Unit of measure
Number of deaths	
5	Reference period
Current (calendar) year from 01.01 to 31.12	
6	Institutional mandate
6.1	Legal acts and other agreements
<p>National: Law on State Statistics ("Official Gazette of the Republic of Macedonia" No. 54/1997, 21/2007, 51/2011, 104/2013, 42/2014, 192/2015, 27/16, 83/18, 220/18 and "Official Gazette of the Republic of North Macedonia" No. 31/20) (https://www.stat.gov.mk/ZakonZaStatistika_en.aspx)</p> <p>Programme of Statistical Surveys 2023-2027 ("Official Gazette of the Republic of North Macedonia" No. 29/23) (https://www.stat.gov.mk/ZaNas_en.aspx?id=8)</p> <p>EU and UN Regulations: Regulation (EU) No 1260/2013 of the European Parliament on European demographic statistics, Regulation (EU) No 205/2014, UN Principles and Recommendations for a Vital Statistics System, Revision 3.</p>	
6.2	Data sharing
Data are shared with joint annual questionnaires and transmitted to EUROSTAT via EDAMIS:DEMOBAL (DEMOgraphic BALance data collection); NOWCAST (NOWCAST demographic data collection); POPSTAT and annual questionnaires to: UN Statistics Division- Demographic Statistics Section-Questionnaire on Vital Statistics and WHO.	
7	Confidentiality
7.1	Confidentiality - policy
<p>1. The protection of individual data is regulated by the Law on State Statistics (https://www.stat.mk/en/about-us/legal-acts/law-on-state-statistics/).</p> <p>2. The basic principles and activities undertaken to ensure data confidentiality are described in the Policy on Statistical Confidentiality (https://www.stat.mk/en/about-us/policies-and-strategies/policy-on-statistical-confidentiality/).</p>	
7.2	Confidentiality - data treatment
Pursuant to Article 38 of the Law on State Statistics (https://www.stat.mk/en/about-us/legal-acts/law-on-state-statistics/) and the Policy on Statistical Confidentiality	

(<https://www.stat.mk/en/about-us/policies-and-strategies/policy-on-statistical-confidentiality/>), individual data are not published

8 Release policy

8.1 Release calendar

The date of data publication is determined in the Advance Release Calendar, which is updated quarterly.

8.2 Release calendar access

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

8.3 User access

All users have equal access to statistics at the same time: this means that the publication dates are announced in advance and no user has access to official statistics before they are published. Statistical data are first published in the "News Releases" edition on the website of the State Statistical Office at 12:00.

9 Frequency of dissemination

Monthly. The data are published monthly and quarterly as preliminary data, and as final on annual basis.

10 Accessibility and clarity

10.1 News release

News Releases are published and they are available on the website of the SSO in the section: "News Releases" - <https://www.stat.mk/en/all-new-releases>

Natural change in population, quarterly - <https://www.stat.mk/en/stat/population-and-living-conditions/population/natural-movement-of-the-population/>

Natality, annually: <https://www.stat.mk/en/stat/population-and-living-conditions/population/natality/natality-2024-final-data/>

Demographic data by urban and rural area, annually : <https://www.stat.mk/en/stat/population-and-living-conditions/population/live-births-deaths-and-migration-by-urban-and-rural-areas-and-by-regions/>

10.2 Publications

Statistical Yearbook: <https://www.stat.mk/en/all-publications/statistical-yearbook-2024/statistical-yearbook-2024/>

North Macedonia in figures: <https://www.stat.mk/en/all-publications/north-macedonia-in-figures-2024/north-macedonia-in-figures-2024/>

Regions in the North Macedonia: <https://www.stat.mk/en/all-publications/regions-of-north-macedonia-2024/regions-of-north-macedonia-2024/>

Women and men in North Macedonia: <https://www.stat.mk/en/all-publications/women-and-men-in-north-macedonia-2023/women-and-men-in-north-macedonia-2025/>

MakStat selection: <https://www.stat.mk/en/all-publications/makstat-selection-2024/makstat-selection-2024/>

Monthly Statistical Bulletin: <https://www.stat.mk/en/all-publications/monthly-statistical-bulletin/monthly-statistical-bulletin-05-2025/>

10.3 On-line database

MAKstat database available on the web site of the State Statistical Office:
http://makstat.stat.gov.mk/PXWeb/pxweb/en/MakStat/MakStat_Naselenie_Vitalna

10.4 Micro-data access

The use of microdata by external users is possible only for research purposes and is done in accordance with the Law on State Statistics (Article 41, Article 42 and Article 43). Access to anonymised microdata is defined by an internal procedure of the State Statistical Office "Access to anonymised microdata for scientific research purposes" (<https://www.stat.mk/en/about-us/procedures/rules-for-access-to-anonymised-microdata-for-research-purposes/>).

10.5 Other

At the request of users, data are also prepared in a form according to their needs. Survey data are sent to Eurostat and they are released on the web site of this institution.

10.6 Documentation on methodology

The methodological notes are an integral part of the web site of the State Statistical Office.
http://www.stat.gov.mk/MetodoloskiObjasSoop_en.aspx?id=7&rbrObl=2
<https://www.stat.gov.mk/EsmsIzvestai.aspx>

10.7 Quality documentation

A Quality Report is prepared after the final processing and dissemination of the data.

11 Quality management

11.1 Quality assurance

The quality of the processes and products in the State Statistical Office is ensured by adhering to the European Statistics Code of Practice (<https://www.stat.mk/en/about-us/quality/code-of-practice/>) and the Quality Assurance Framework within the European Statistical System (ESS Quality Assurance Framework – <https://ec.europa.eu/eurostat/documents/64157/4392716/ESS-QAF-V2.0-final.pdf>). The quality criteria are also determined in the Law on State Statistics in Article 4b and Article 4c (<https://www.stat.mk/en/about-us/legal-acts/law-on-state-statistics/>).

11.2	Quality assessment
The State Statistical Office carries out statistical activities in accordance with the Statistical Business Process Model, which is based on the international model - Generic Statistical Business Process Model (GSBPM). The application of this model and international standards in statistical production ensures a high level of accuracy and comparability of data.	
12	Relevance
12.1	User needs
Demographic data and indicators calculated on the basis of data obtained from the statistical survey on deaths are of particular interest both for the domestic and the international public (e.g. institutions, universities, media and individuals) for the creation and implementation of scientific and development policies in the society. The data are used directly, but also for calculation of statistical indicators from other sectors.	
12.2	User satisfaction
Starting from 2009, the State Statistical Office conducts a User Satisfaction Survey every three years.	
12.3	Completeness
In terms of the indicators required by Regulation 1260/2013 of the European Commission, the SSO provides about 90% of them.	
13	Accuracy and reliability
13.1	Overall accuracy
The survey methodology and the data collection method ensure good coverage and accuracy of the data.	
13.2	Sampling error
Not applicable	
13.3	Non-sampling error
Not applicable	
14	Timeliness and punctuality
14.1	Timeliness
T+180	
14.2	Punctuality
The data are published on the day announced in the Advance Release Calendar.	
15	Coherence and comparability
15.1	Comparability - geographical

There is geographical comparability of the released data at national and regional level. With other EU countries, there is geographical comparability in line with EU regulations.	
15.2	Comparability - over time
At the national level, without break in the time series, data are comparable from 1994. At the regional level, without break in the time series, data are comparable from 2005.	
15.3	Coherence - cross domain
Cross-domain coherence of data is ensured comparison with data from administrative register of population.	
15.4	Coherence - internal
Internal coherence of data is ensured. The monthly and quarterly preliminary data in the current year are used for monitoring the coverage and trend of the treated event (births) with data from the previous year and comparison between the preliminary and definitive (final) data.	
16	Cost and burden
not calculated	
17	Data revision
17.1	Data revision - policy
Data revision is made in accordance with the Statistical Data Revision Policy of the SSO: (https://www.stat.mk/en/about-us/policies-and-strategies/data-revision/).	
17.2	Data revision - practice
not applicable	
18	Statistical processing
18.1	Source data
The source of data for this statistical survey is administrative, i.e. the data are obtained on the basis of records / registration in the books of deaths by Department for Civil registration. According to the legal provisions on keeping the register books of deaths, each deceased person is entered in the register of deaths maintained for the area of its occurrence. During processing, the data are grouped by permanent place of residence.	
18.2	Frequency of data collection
Monthly.	
18.3	Data collection
Data collection is made by self-enumeration method using paper statistical form (VIT.2) form reporting units, i.e. register offices. Self-enumeration (about 95%) is done electronically, while offices without the possibility of electronic data entry complete the paper statistical form (VIT.2) manually. Printed copy of the electronic data entry and completed questionnaires by register offices are delivered (by mail or personally) to the regional departments of statistics, no later than the 10th of the month for the previous month.	

18.4	Data validation
Control of data is carried out in accordance with the established methodological rules and guidelines for control. First control of the data is performed by the regional offices of the SSO. For monitoring the coverage they complete the statistical form Monthly report on vital statistics (DEM 4), which is submitted electronically to the State Statistical Office, no later than the 10th of the month for the previous month. For any deviations, the reporting units are contacted. The next stage is data coding and data entry according to established rules and methodological instructions for control.	
18.5	Data compilation
After verification and possible corrections in consultation with the reporting units, i.e. register offices, completed questionnaires are entered in the regional offices in an application with on-line controls. Missing data are provided by imputation of data, according to the established methodological rules and guidelines for control. Data entered in regional departments are then taken by the subject-matter department in the Central Office, where additional control, processing and tabulation of data is done by using established methodological rules and defined control criteria. In the SSO is performed coding and logical control for codes of cause of death according to the International Statistical Classification of Diseases and Related Health Problems ICD - 10 revision by the professional team from the Institute of Epidemiology.	
18.6	Adjustment
Data adjustment is not performed.	
19	Comment
Starting from 2006, coding of the underlying cause of death and data presentation are performed according to the International Statistical Classification of Diseases and Related Health Problems -10th revision. Coding is performed by trained doctors from the Institute of Epidemiology.	
A.1	Annexes