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Reference Metadata in ESMS 2.0 structure

Population estimates

PM_PROC.NAS_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
Jane Krsteski	
1.4	Contact person function
Adviser	
1.5	Contact mail address
Dame Gruev 4, 1000 Skopje, Republic of North Macedonia	
1.6	Contact email address
jane.krsteski@stat.gov.mk	
1.7	Contact phone number
00389 2 3295-600	
1.8	Contact fax number
00389 2 3111 336	
2	Metadata update
2.1	Metadata last certified
30/10/2024	
2.2	Metadata last posted
30/10/2024	
2.3	Metadata last update
30/10/2024	
3	Statistical presentation

3.1	Data description
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Population estimation is mathematically balanced estimation of total population of Republic of Macedonia calculated for two critical moments for every calendar year, for 30 June and 31 December.

3.2	Classification system
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Nomenclature of Territorial Units for Statistics - NTES, 2013

3.3	Sector coverage
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3.4	Statistical concepts and definitions
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For estimating the population by sex and age are used following data: - number of population from previous year, by sex and year of birth - number of new born persons during the year, by sex - number of dead persons during the year, by sex and year of birth - number of net migration during the year by sex and year of birth

3.5	Statistical unit
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Secondary survey, statistical units are define in primary survies

3.6	Statistical population
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Secondary survey, statistical populations are define in primary survies

3.7	Reference area
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Municipalities

3.8	Time coverage
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From 1994

3.9	Base period
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4	Unit of measure
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Number

5	Reference period
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Year (30 June and 31 December)

6	Institutional mandate
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6.1	Legal acts and other agreements
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NATIONAL LEGISLATION

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.mk/en/about-us/legal-acts/law-on-state-statistics/>)

Programme of Statistical Surveys 2023-2027 ('Official Gazette of the Republic of North Macedonia' No. 29/23 and 57/25) (<https://www.stat.mk/en/about-us/legal-acts/program-for-statistical-surveys/>)

International: 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 2.

6.2	Data sharing
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Data are shared with joint annual questionnaires and transmitted to Eurostat via EDAMIS: DEMOBAL (DEMOgraphic BALance data collection); NOWCAST (NOWCAST demographic data collection); UNIDEMO (UNified DEMOgraphic data collection); and annual questionnaires to: UN Statistics Division - Demographic Statistics Section - Questionnaire on Vital Statistics

7 Confidentiality

7.1 Confidentiality - policy

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/>).
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/>).

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. However, if access is granted to microdata from the relevant survey, then the methods used to prevent data disclosure should be specified.

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

Yearly

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>),

10.2 Publications

Statistical Yearbook (link:

https://www.stat.gov.mk/PrikaziPublikacija_1_en.aspx?rbr=915)

10.3 On-line database

https://makstat.stat.gov.mk/PXWeb/pxweb/en/MakStat/MakStat__Naselenie_ProceniNaselenie_ProceniPopis2021_Proceni31Dekemvri

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.

10.6 Documentation on methodology

The methodological notes are an integral part of the publication "Estimations of the Population by Sex and Age, by Municipalities and by Statistical Regions, 30.06.2015 and 31.12.2015 published on the web site of the State Statistical Office. <http://www.stat.gov.mk/Publikacii/2.4.16.10.pdf>

10.7 Quality documentation

A Quality Report is prepared after the final processing and dissemination of the data. The report is prepared in accordance with the internal manuals and is only for internal usage.

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

Data on the number of persons by sex, age and place of residence are constant subject of interest from government institutions, universities, media and individuals and are used in policy for research and development purposes in society. The data is used directly but are also used to calculate various indicators of other statistical 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 100% 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

Secondary survey, data collection is done by primary research

13.3 Non-sampling error

Secondary survey, data collection is done by primary research

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 respect to geographical comparability with other EU countries, it is also ensured because data are collected in line with EU regulations.

15.2 Comparability - over time

At the national level without interruption in the time series is provided a comparison of data from 1994. Number of reference periods in the time series of the last interruption is 22. At the regional level without interruption in the time series provided a comparison of data from 2005. Number of reference periods in time series from the last break of 16.

15.3 Coherence - cross domain

Cross domain coherence is ensured (compared to data from statistical surveys of births, deaths, immigrants and emigrants.).

15.4	Coherence - internal
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The internal coherence of the data is provided. Monitor the extent and trend of movement of treated appeared with data from the previous year.

16	Cost and burden
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17	Data revision
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17.1	Data revision - policy
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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
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The published data are final and are not audited.

18	Statistical processing
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18.1	Source data
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Secondary research, source data are the following primary surveys: Statistical survey of births DEM.1 Statistical survey on deaths DEM.2 Statistical survey on imigrants MIGDOS Statistical survey on emigrants MIGOTS

18.2	Frequency of data collection
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Yearly

18.3	Data collection
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Secondary survey, data collection is done through primary survies

18.4	Data validation
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Secondary survey, validation of data is done through primary survies.

18.5	Data compilation
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Secondary survey, compilation of data is done through the primary survies

18.6	Adjustment
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Do not get adjusted

19	Comment
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A.1	Annexes
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