

Statistical survey on teachers and supporting staff in higher education institutions in the academic year

E_VOI.60_A_EN_2024_1

Reference Metadata in SIMS 2.0 structure

S.1	Contact
S.1.1	Contact organisation
State Statistical Office	
S.1.2	Contact organisation unit
Department for education and science	
S.1.3	Contact name
Biljana Zdravkovska	
S.1.4	Contact person function
Associate	
S.1.5	Contact mail address
Dame Gruev 4, 1000 Skopje, Republic of Macedonia	
S.1.6	Contact email address
biljana.zdravkovska@stat.gov.mk	
S.1.7	Contact phone number
00389 2 3249 441	
S.1.8	Contact fax number
00389 2 3111 336	
S.2	Metadata update
S.2.1	Metadata last certified
S.2.2	Metadata last posted
S.2.3	Metadata last update

24/01/2017	
S.3	Statistical presentation
S.3.1	Data description
Teachers and supporting staff according to types of schools, scientific qualifications, universities and type of employment, teachers and supporting staff by age and sex, teachers and supporting staff, by scientific qualification and by ethnic affiliation.	
S.3.2	Classification system
National Classification of Activities - NKD Rev.2; Nomenclature of Territorial Units for Statistics - NTES, 2013 The education system in the Republic of Macedonia in terms of ISCED2011 - International Standard Classification of Education MSKOB (2013).	
S.3.3	Sector coverage
Sector P / M-Education, class 85.42, Higher education, according to NKD Rev. 2.	
S.3.4	Statistical concepts and definitions
Faculty is a higher education institution conducting higher education, scientific research and applied work in one or more related scientific and specialized fields. At the faculties science teaching titles are docent, associate professor and professor. At the faculties of philology and other higher education sciences that are performing training in language, scientific-professional titles are lector and senior lector. Higher vocational school is an institution of higher education which conduct high educational activity for professional studies and highly professional work in one or more specialized areas. At the higher vocational schools teaching titles are lecturer, senior lecturer and professor of higher vocational school.	
S.3.5	Statistical unit
Higher education institutions (faculties and higher vocational schools) belonging to sector P / M-Class Education, 85.42- Higher education.	
S.3.6	Statistical population
Science teaching titles at faculties and higher vocational schools that are belonging to the sector P / M-Education, class 85.42.	
S.3.7	Reference area
Republic of Macedonia	
S.3.8	Time coverage
Since 1997 year.	
S.3.9	Base period
S.4	Unit of measure
Number.	
S.5	Reference period
Year (academic year 15.09.2014 до 30.05.2015).	

S.6	Institutional mandate
S.6.1	Legal acts and other agreements
<p>NATIONAL LEGISLATION</p> <p>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)</p> <p>(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)</p> <p>(https://www.stat.gov.mk/ZaNas_en.aspx?id=8)</p>	
S.6.2	Data sharing
<p>"Time Series of 1998: via eDAMIS to Eurostat with ""UNESCO / OECD / Eurostat data collection on education and training statistics""."</p>	
S.7	Confidentiality
S.7.1	Confidentiality - policy
<p>Individual data are protected by the Law on State Statistics. Data collected with statistical surveys from the reporting units or indirectly from administrative or other sources are confidential data and are used only for statistical purposes. Results from the statistical processing may also generate information considered as confidential, for example: anonymised individual data, tables with low level of aggregation, as well as unreleased data. The Policy on Statistical Confidentiality contains the basic principles used in the SSO.</p>	
S.7.2	Confidentiality - data treatment
<p>All individual or personal data, in each phase of statistical processing, are treated as confidential data and may be used only for statistical purposes. When releasing data from this survey at an aggregated level, there is no need for additional data treatment for the purpose of ensuring confidentiality.</p>	
S.8	Release policy
S.8.1	Release calendar
<p>Data are released in accordance with the Release Calendar, which is published on the web site of the State Statistical Office. The Release Calendar is prepared annually before the beginning of each year and is updated quarterly.</p>	
S.8.2	Release calendar access
<p>http://www.stat.gov.mk/Kalendar_nov_en.aspx</p>	
S.8.3	User access
<p>In accordance with the dissemination policy, all users have equal access to statistical data at the same time. Data are released on the web site at the same time for all users, which are informed with the Release Calendar, and no user has privileged access.</p>	

S.9	Frequency of dissemination
Yearly.	
S.10	Accessibility and clarity
S.10.1	News release
<p>"News release ""Teachers and supporting staff in the tertiary education institutions in the academic year 2024/2025"". The number of page views on the website - 94. http://www.stat.gov.mk/pdf/2015/2.1.15.09.pdf"</p>	
S.10.2	Publications
<p>https://makstat.stat.gov.mk/PXWeb/pxweb/mk/MakStat/MakStat_ObrazovanieNauka_VisokoObrazovanie_NastavniciVoVisokoObrazovanie/100_VisObraz_RSM_T1_Nastavnicki_Personal_ml.px/</p>	
S.10.3	On-line database
S.10.3.1	AC1. Data tables - consultations
S.10.4	Micro-data access
<p>According to the Law on State Statistics (Article 41) and the Policy on Access to Anonymised Microdata for scientific purposes, data collected for the purpose of official statistics may be used for scientific purposes if there is no risk of direct or indirect identification, i.e. disclosure of data individuality. Access to microdata is possible only in the safe room at the SSO, based on a submitted and approved request and a signed agreement. http://www.stat.gov.mk/ZaNas_en.aspx?id=22</p>	
S.10.5	Other
<p>Survey data are sent to Eurostat and they are released on the web site of this institution.</p>	
S.10.5.1	AC 2. Metadata - consultations
S.10.6	Documentation on methodology
<p>"Methodological explanations that are part of the publication ""Enrolled students in the academic year, 2214/2025"". http://www.stat.gov.mk/Publikacii/2.4.15.18.pdf"</p>	
S.10.6.1	AC 3. Metadata completeness - rate
S.10.7	Quality documentation
<p>A National Quality Report is sent to Eurostat. http://ec.europa.eu/eurostat/cache/metadata/en/educ_uoe_enr_esqrs_mk.htm</p>	
S.11	Quality management
S.11.1	Quality assurance

The commitment of the SSO to ensuring quality of products and services is described in the Law on State Statistics, the Strategy of the State Statistical Office (http://www.stat.gov.mk/ZaNas_en.aspx?id=6) and the Quality Policy of the State Statistical Office (http://www.stat.gov.mk/pdf/Politika_za_kvalitet_en.pdf), as well as in the continuous efforts for harmonisation with the European Statistics Code of Practice. The main aspects and procedures for quality management in the phases and sub-phases of the Statistical Business Process Model, as well as the good practices for ensuring quality are documented in the internal document called "Guide for ensuring quality of statistical processes". Input and output metadata, as well as relevant quality indicators for certain sub-processes are described in the document "Guide for survey managers".

S.11.2 Quality assessment

S.12 Relevance

S.12.1 User needs

The data are used by Government, ministries, agencies and local government for their use in determining and conducting development policy, by students, researchers, as well as international institutions, UNESCO, OECD, Eurostat and others.

S.12.2 User satisfaction

The State Statistical Office conducts the User Satisfaction Survey at the domain level. This Survey is conducted every three years and the last one was in 2015.
http://www.stat.gov.mk/Dokumenti/izvestai/IzvestajAnketaZadovNaKorisnici2015_en.pdf

S.12.3 Completeness and R1. Data completeness - rate for U

In terms of the indicators provided by Regulation. 88/2011 of the European Commission, SSO provides about 80% of them.

S.12.3.1 R1. Data completeness - rate for P

S.13 Accuracy and reliability

S.13.1 Overall accuracy

Data accuracy is ensured by working on decreasing sampling and/or non-sampling errors, as well as with additional data comparisons and analysis before dissemination.

S.13.2 Sampling error and A1. Sampling errors - indicators for U

Not applicable (survey is with total coverage).

S.13.2.1 A1. Sampling errors - indicators for P

S.13.3 Non-sampling error and A4. Unit non-response - rate for U and A5. Item non-response - rate for U

Coverage errors: Providing 100% coverage. Data providers are reminded timely to fulfil its obligation. During conducting the survey, the questionnaires are collected from the field daily, in order to control the scope and timely detection of errors. The collected data are controlled

by the obliged person for the survey, if an error is detected in the questionnaires by contacting with the reporting units they are adjusted. Errors in data processing: Data entry is made through pre-defined application for entry in manual mode. During the data entry, there are applied automatically controls and controls over input, as well as additional control after completing the entry.

S.13.3.1	Coverage error
S.13.3.1.1	A2. Over-coverage - rate
S.13.3.1.2	A3. Common units - proportion
S.13.3.2	Measurement error
S.13.3.3	Non response error
S.13.3.3.1	A4. Unit non-response - rate
S.13.3.3.2	A5. Item non-response - rate
S.13.3.4	Processing error
S.13.3.5	Model assumption error
S.14	Timeliness and punctuality
S.14.1	Timeliness and TP2. Time lag - final results for U
T+270	
S.14.1.1	TP1. Time lag - first results for P
S.14.1.2	TP2. Time lag - final results for P
S.14.2	Punctuality and TP3. Punctuality - delivery and publication for U
Data are disseminated within the established deadlines in accordance with the Release Calendar.	
S.14.2.1	TP3. Punctuality - delivery and publication for P
S.15	Coherence and comparability
S.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.

S.15.1.1 CC1.Asymmetry for mirror flow statistics - coefficient

S.15.2 Comparability - over time and CC2. Length of comparable time series for U

Comparability of the data is provided since 1997 without interruption over time. The number of reference periods of time series - 19.

S.15.2.1 CC2. Length of comparable time series for P

S.15.3 Coherence - cross domain

Comparisons were made with the data at micro level and the administrative data.

S.15.3.1 Coherence - sub annual and annual statistics

S.15.3.2 Coherence - National Accounts

S.15.4 Coherence - internal

Internal coherence of data is ensured.

S.16 Cost and burden

S.17 Data revision

S.17.1 Data revision - policy

In accordance with the Statistical Data Revision Policy. <http://www.stat.gov.mk/ZaNas.aspx?id=25>

S.17.2 Data revision - practice and A6. Data revision - average size for U

S.17.2.1 A6. Data revision - average size for P

S.18 Statistical processing

S.18.1 Source data

The data are obtained using the survey with full coverage. Data sources are questionnaires received from reporting units - faculties and higher vocational schools. Each reporting unit (faculty, higher vocational school) delivers one questionnaire for the teaching staff of the tertiary education institution- teachers and supporting staff regardless of the type of employment.

S.18.2 Frequency of data collection

Yearly.

S.18.3	Data collection
<p>The data are collected via method of self fulfilment of the statistical questionnaire for teaching staff in tertiary education institutions (Form SHV.60) from the reporting units. The self fulfilment is done manually and delivered in paper form to the SSO. Completed questionnaire is with statement on 30 September.</p>	
S.18.4	Data validation
<p>Data validation is done in accordance with the defined criteria for control. Initial check of the data is done by the responsible person for the survey in the subject matter department while receiving the completed questionnaires. Verification of the data is done using logical and mathematical control.</p>	
S.18.5	Data compilation
<p>The data are obtained on paper, controlling the scope of the reports received. The reports are systematized by universities, faculties and departments within the faculty. By the person responsible for the survey if it is necessary the faculties and higher vocational schools are contacted about the scope and completeness of questionnaires. If errors are detected in the questionnaires the reporting units are contacted additionally and the errors are adjusted. Controlled questionnaires by the person responsible for the survey, are entered in the application with inserted mathematical and logical controls, as well as additional controls after the data entry. The data are controlled, compared and analysed, also and before their publication, at an aggregate level.</p>	
S.18.5.1	A7. Imputation - rate
S.18.6	Adjustment
<p>Data adjustment is not performed.</p>	
S.18.6.1	Seasonal adjustment
S.19	Comment
A.1	Annexes