



Agency for Strategic planning
and reforms of the
Republic of Kazakhstan
Bureau of National statistics

Quality report

*Natural movement of the population of the
Republic of Kazakhstan for 2019*

Content

S.1 Contact details

S.2 Introduction - Relevance

S.3 Updating metadata

S.4 Presentation of statistical information

S.5 Unit of measurement

S.6 Reporting period

S.7 Legal basis

S.8 Confidentiality and data protection

S.9 Publication Policy

S.10 Frequency of propagation

S.11 Dissemination format, accessibility and clarity

S.12 Availability of Documentation

S.13 Quality management

S.14 Relevance

S.15 Accuracy and reliability (to be completed taking into account the type of observation)

S.16 Timeliness and punctuality

S.17 Comparability

S.18 Consistency

S.19 Load

S.20 Revision of data

S.21 Processing of statistical data

S.22 Notes

S.1 Contact details

S.1.1 Organization

Bureau of national statistics of the Agency for strategic planning
and reforms of the Republic of Kazakhstan

S.1.2 Structural subdivision

Department of Social and Demographic Statistics

S.1.3 Name of contact person

Aigozina Gulzhikhan Kairatovna

S.1.3.1 Name of the head of the responsible structural unit

Khanzhigitov Nurlan Erkenovich

S.1.5 Postal address of the contact person

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S.1.6 E-mail address of the contact person

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S.2 Introduction-Relevance

Vital statistics provide vital information about a country's population. Obtaining timely information on the size and characteristics of the country's population is a prerequisite for planning socio-economic development and making informed decisions. Vital statistics and their subsequent analysis and interpretation are essential for setting targets and assessing the implementation of socio-economic plans, including monitoring health and population programs, and for measuring such important demographic indicators of living standards or quality. life as life expectancy at birth, infant and child mortality rates.

S.3 Updating metadata

S.3.1 Latest confirmation of updated metadata

05.03.2019

S.3.2 Last Placement of Metadata

04/17/2020

S.3.3 Latest metadata update

04/17/2020

S.4 Presentation of statistical information

S.4.1 Data description

Natural population growth, live births, the number of deaths, the number of deaths before 1 year, the number of registered marriages and divorces. Natural increase rate, crude birth rate, crude death rate, infant mortality rate, crude marriage and divorce rates.

S.4.2 Classification system

- Classifier of administrative-territorial objects;
- Guides by gender, records of civil status, marital status, grounds for divorce, live births and stillbirths, medical documents confirming the fact of death, a guide to the level of education.

S.4.3 Sectoral coverage

Local executive bodies of cities, districts (including districts in cities of regional and republican significance) that carry out state registration of acts of civil status (hereinafter referred to as registration bodies), no later than the 6th day following the reporting month, send second copies to the city (district) statistics departments records of births (together with medical certificates of birth), death (together with medical certificates of death and perinatal death), conclusion and dissolution of marriages (hereinafter referred to as civil status records), selected separately according to the types of civil status records according to the accompanying inventory registration of acts of civil status, which indicates the number of submitted acts and their numbers for each type of acts. Inventories are drawn up in two copies, one of which remains with the registering authorities, the second is sent to the territorial statistical offices.

S.4.4 Statistical concepts and definitions

Natural population growth - the difference between the number of live births and the number of deaths over a certain period. Vital data is collected and processed on the basis of civil registration records registered with the Civil Registry Office. Births include only those born alive.

The total fertility rate is an indicator that determines the intensity of childbearing in relation to the entire population. It is the ratio of the total number of live births during the period to the average population. Typically calculated per 1000 population.

The general mortality rate is an indicator that determines the intensity of mortality in the population. It is the ratio of the total number of deaths during the period to the average population. Typically calculated per 1000 population. The rate of natural increase is the difference between the general rates of fertility and mortality.

The infant mortality rate is an indicator that determines the mortality rate of children under one year of age. It is calculated by the ratio of the number of deaths under the age of 1 year to the number of those born alive. The infant mortality rate is calculated per 1000 live births.

Information about entered into marriages and divorces (divorced marriages) is based on the statistical development of data contained in the second copies of civil status acts compiled for each such event by the Civil Registry Office. The data in the tables cover only cases of marriage and divorce registered with the Civil Registry Office.

The total marriage and divorce rates are calculated as the ratio, respectively, of the number of marriages and divorces during the period of marriages to the average population.

S.4.5 Statistical object

Permanent population of the Republic of Kazakhstan.

S.4.6 General population (principle of selection of survey units)

Sample surveys are not conducted.

S.4.7 Territorial coverage

Republic of Kazakhstan (14 regions, cities of republican significance and the capital).

S.4.8 Time coverage

Since 1998.

S.4.9 Base period

Corresponds to the corresponding period last year.

S.5 Unit of measurement

Human

S.6 Reporting period

year

S.7 Legal basis

S.7.1 Legal framework

1. Law of the Republic of Kazakhstan dated March 19, 2010 No. 257-IV "On state statistic

2. Rules for the provision of primary statistical data by respondents, approved by order of the Chairman of the Agency of the Republic of Kazakhstan on statistics dated July 9, 2010 No. 173.
3. Rules for the submission of administrative data by administrative sources on a gratuitous basis, approved by order of the Acting Chairman of the Agency of the Republic of Kazakhstan on statistics dated July 14, 2010 No. 183.
4. The plan of statistical work, approved in accordance with the established legislative procedure of the Republic of Kazakhstan by order of the Minister of National Economy of the Republic of Kazakhstan.
5. Schedule for the dissemination of official statistical information, approved by the order of the Chairman of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan.
6. Rules for the provision of statistical information on a gratuitous basis that is not provided for by the schedule for the dissemination of official statistical information and developed on the basis of primary statistical data submitted by respondents in accordance with the schedule for submitting primary statistical data by respondents, approved by order of the Chairman of the Agency of the Republic of Kazakhstan on Statistics of May 20, 2010 No. 113.
7. Rules for the provision and use for scientific purposes of databases in a de-identified form, approved by order of the Chairman of the Agency of the Republic of Kazakhstan on statistics dated July 2, 2010 No. 168.
Registered with the Ministry of Justice of the Republic of Kazakhstan on August 13, 2010 No. 6388.

S.8 Privacy and data protection

S.8.1 Privacy Policy

1. Article 8 of the Law of the Republic of Kazakhstan dated March 19, 2010 "On State Statistics", in accordance with which a guarantee of confidentiality and protection of the submitted data by respondents is ensured.
2. Article 28 of the Entrepreneurial Code of the Republic of Kazakhstan dated October 29, 2015 ensures the protection of information constituting a commercial secret.

3. Information security policy (hereinafter referred to as the Policy) approved by the Order of the Chairman of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan dated October 31, 2016 No. 252 defines the goals, objectives, guidelines and practices in the field of ensuring information security of the Committee. The main goal of the Policy is to ensure the availability of official statistical information, confidentiality of information stored and processed on the computer equipment of the Committee under the conditions of its integrity and authenticity.

S.8.2 Privacy - data handling

1. Rules for the provision and use for scientific purposes of databases in a de-identified form, approved by order of the Chairman of the Agency of the Republic of Kazakhstan on statistics dated July 2, 2010 No. 168. Registered with the Ministry of Justice of the Republic of Kazakhstan on August 13, 2010 No. 6388.

S.9 Publication policy

S.9.1 Publications calendar

1. Law of the Republic of Kazakhstan dated March 19, 2010 No. 257-IV "On state statistics".
2. The plan of statistical work, approved in accordance with the established legislative procedure of the Republic of Kazakhstan.
3. The schedule for the dissemination of official statistical information, approved in accordance with the established legislation of the Republic of Kazakhstan by the Order of the Chairman of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan.
4. The rules for the provision on a gratuitous basis of statistical information not provided for by the schedule for the dissemination of official statistical information and developed on the basis of primary statistical data submitted by respondents in accordance with the schedule for submitting primary statistical data by respondents were approved by order of the Chairman of the Agency of the Republic of Kazakhstan on Statistics dated May 20, 2010 No. 113.
5. Rules for the provision and use for scientific purposes of databases in a de-identified form, approved by order of the Chairman of the Agency of the Republic of Kazakhstan on Statistics dated July 2, 2010 No. 168. Registered with the Ministry of Justice of the Republic of Kazakhstan on August 13, 2010 No. 6388.

6. Methodology for the formation and dissemination of official statistical information in electronic form, approved by the Order of the Chairman of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan dated November 30, 2016 No. 292.

7. Guidelines for interacting with users, including the media and the general public, approved by the Chairman of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan on August 18, 2015.

8. Guidelines for the use of corporate identity, approved by the Chairman of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan on December 7, 2016.

Clause 1, Clause 2 of Article 26 of the Law of the Republic of Kazakhstan "On State Statistics" dated March 19, 2010 No. 257.

The schedule for the dissemination of official statistical information is posted on the website of the Bureau of national statistics

www.stat.gov.kz in the section "Home" // "Basic documents".

S.9.2 Access to the Graph

S.9.3 User access

Bureau of national statistics website stat.gov.kz - Official statistics - by industry - Demographic statistics - Bulletins - Natural movement of the population of the Republic of Kazakhstan.

S.10 Propagation frequency

year

S.11 Dissemination format, accessibility and clarity

S.11.1 News publications

Press releases are published on the Bureau of national statistics website www.stat.gov.kz:

- monthly on the 15th "On the demographic situation in the Republic of Kazakhstan";
- annually in May "On the birth rate in the Republic of Kazakhstan".

S.11.2 Publications

Bureau of national statistics website stat.gov.kz - Official statistics:

- - Operational data - by industry - Demographic statistics - Bulletins - Natural movement of the population of the Republic of Kazakhstan;
- - Publications - Statistical compilations - Demographic Yearbook of Kazakhstan / Youth of Kazakhstan / Children of Kazakhstan.

S.11.3 Databases in on-line modee

Information-analytical system "Taldau".

S.11.3.1 AC1. Data tables-consultation

Not implemented.

S.11.4 Access to microdata

1. Rules for the provision and use for scientific purposes of databases in a de-identified form, approved by order of the Chairman of the Agency of the Republic of Kazakhstan on statistics dated July 2, 2010 No. 168.

Registered with the Ministry of Justice of the Republic of Kazakhstan on August 13, 2010 No. 6388.

S.11.5 Other

S.11.5.1 AC2. Metadata consultation

Not implemented.

S.12 Availability of Documentation

S.12.1 Methodology documentation

Posted on the Internet resource Bureau of national statistics stat.gov.kz in the "Methodology" section.

- Methodology for calculating fertility rates, approved by the order of the Chairman of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan dated July 29, 2019 No. 3. Registered with the Ministry of Justice of the Republic of Kazakhstan on August 5, 2019 No. 19190;

- Methodology for calculating mortality rates approved by order of the Chairman of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan dated September 21, 2018 No. 1. Registered with the Ministry of Justice of the Republic of Kazakhstan on October 16, 2018 No. 17555;

- Methodology for calculating indicators of marriage (matrimony) and dissolution of marriage (matrimony), approved by order of the Chairman of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan dated September 28, 2016 No. 219. Registered with the Ministry of Justice of the Republic of Kazakhstan 28 October 2016 No. 14380.

S.12.2 Quality documentation

1. Policy in the field of quality, approved by the order of the Chairman of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan dated April 23, 2015 No. 67.

2. Objectives in the field of quality Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan, Objectives in the field of quality of the relevant structural unit.

3. Documented information of the quality management system: Quality manual; Documented procedures; Instructions; Process maps.

4. Standard methodology for describing the process of production of statistical information by state bodies, approved by order of the Chairman of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan dated March 30, 2015 No. 53;

5. Methodology for assessing the quality of official statistical information, approved by the order of the Chairman of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan dated May 23, 2018 No. 63.

S.13 Quality management

S.13.1 Quality assurance

The quality and reliability of demographic statistics is supported by generally accepted procedures:

- compliance with the basic principles of primary accounting;
- at the stages of primary data processing, all control schemes (format-logical, arithmetic) have been developed and implemented.

S.13.2 Quality control

District and city statistics departments check the correctness of filling out the acts of birth, death, marriage and divorce, and in case of errors or incompleteness of information, they return for completion to the local executive bodies of cities and districts. Then acts and medical certificates of birth and death are transferred to the regional departments of statistics, where the data is encoded according to normative and reference information, entered into an electronic database, and checked for logical and arithmetic control.

S.14 Relevance

S.14.1 Needs

Information users: Statistical Committee of the CIS, EEC, state bodies of the Republic of Kazakhstan, individuals and legal entities.

S.14.2 User satisfaction

The Committee annually conducts a survey of users of official statistical information according to the questionnaire Q-002 "Survey of users".

S.14.3 Completeness / R1. Data completeness-share

Not applicable.

S.15 Accuracy and reliability (to be completed according to the type of observation)

S.15.1 Overall accuracy

Not applicable.

S.15.2 Sample errors - indicators / A1.

Not applicable.

S.15.3 Non-sampling error

Unacceptably.

S.15.3.1 Coverage error

Not applicable.

S.15.3.1.1 A2. Overcoverage-share

Not applicable.

S.15.3.1.2 A3. Common units-ratio

Not applicable.

S.15.3.3 No response errors

S.15.3.3.1 A4. Absence unit-share

Not applicable.

S.15.3.3.2 A5. No response-share clause

Not applicable.

S.16 Timeliness and punctuality

S.16.1 Timeliness

S.16.1.1 TP1 Waiting period - first results

The time taken to process the results from the time it was submitted by administrative sources to publication is 40 days. The results are published in the newsletter. The release dates were approved and published in the Statistical Work Plan and the Schedule for the Dissemination of Official Statistical Information.

Information on the vital movement of the population is formed monthly on the 40th day after the reporting period, published on a quarterly basis, annual data are final.

S.16.1.2 TP2. Waiting Period - Latest Results

Annual figures are final.

S.16.2 Punctuality

S.16.2.1 Punctuality / TP3

The Bulletin is published in accordance with the Statistical Work Plan approved in accordance with the procedure established by the legislation of the Republic of Kazakhstan and the Schedule for the dissemination of official statistical information, approved by the order of the Chairman of the Bureau of national statistics. The publication date of the bulletin "Natural movement of the population" for 2019 in connection with the detection of errors in the data received from the Information and Computing Center was moved to 17.04.2020. (Service note No. 36-7-01-36 / 100-VN dated 04/10/2020).

S.17 Comparability

S.17.1 Geographic comparability

Within the territories of the Republic of Kazakhstan.

S.17.1.1 Asymmetry in mirror flow statistics-coefficient / CC1

Absent.

S.17.2 Length of comparable time series / CC2

Time series for the indicators of the natural movement of the population of the Republic of Kazakhstan are comparable and continuous since 2000. These time series are posted on the website Bureau of national statistics stat.gov.kz - Official statistics - by industry - Demographic statistics - Dynamic tables.

S.18 Consistency

S.18.1 Consistency, external, cross

The methodology for the indicator is in line with the United Nations Principles and Recommendations for Vital Statistics (2015). This indicator is used in their calculations by the Ministry of Health, the Institute for Economic Research, and other research organizations.

S.18.2 Internal consistency

Not.

S.19 Load

Local executive bodies of cities, districts (including districts in cities of regional and republican significance) that carry out state registration of acts of birth, death, marriage and divorce (hereinafter referred to as the registering bodies), no later than the 6th day following the reporting month, are sent to the city (district) Department of statistics second copies of records of acts of birth, death, marriage and divorce according to the accompanying inventory of registration of acts, which indicates the number of acts submitted. Inventories are drawn up in two copies, one of which remains with the registering authorities, the second is sent to the territorial statistical offices. District and city departments of statistics, in turn, check the correctness of filling out the acts, in case of errors or incompleteness of information, they are returned for replenishment. Then all acts and medical certificates of birth and death are transferred to the regional departments of statistics, where the data is encoded according to normative and reference information, entered into an electronic database, and checked for logical and arithmetic control. After that, the generated databases of birth, death. on marriage and divorce is transferred to the Information and Computing Center of the Committee, where logical and arithmetic control is carried out at the republican level, editing, processing of data and issuing tables according to the plan of statistical work for the current year. Then the generated tables are transferred to the Bureau of national statistics, where the analysis, approval and dissemination of information is carried out.

At the end of 2019, the natural growth of the population of the Republic of Kazakhstan amounted to 269.2 thousand people. The overall rate of natural increase was 14.54 per 1000 population.

According to the Civil Registry Office, 402.3 thousand people were born in 2019, the total fertility rate was 21.73 per 1000 population. For the specified year, the number of deaths was 131.1 thousand people, the overall mortality rate was 7.19 per 1000 population. The number of deaths of children under the age of 5 in 2019 was 4,300 people, the infant mortality rate was 10.69 per 1,000 births. The number of deaths before 1 year was 3,360 babies, the infant mortality rate was 8.37 per 1000 live births. The number of registered marriages was 139.5 thousand marriages. The crude marriage rate is 7.54 per 1000 population. In 2019, 59.8 thousand divorces were registered, the total divorce rate was 3.23 per 1000 population.

S.20 Revision of data

S.20.2 Revision of data / A6

Data for 2019 has not been revised.

S.21 Processing of statistical data

S.21.1 Input

Data contained in acts of civil status on birth, death, marriage and divorce, compiled by the Civil Registry Office (registration of acts of civil status).

S.21.2 Inspection frequency

year

S.21.3 Method (method) of collecting primary statistical data

Registration records of birth, death, marriage, divorce of the Civil Registry Office and medical certificates of birth and death.

S.21.4 Reliability of primary statistical data

To check the reliability of primary statistical data, format-logical controls are provided. Data analysis is in progress.

S.21.5 Imputation - share / A7

Unacceptably.

S.21.6 Correction

Data on births and deaths are updated taking into account late registrations and the elimination of errors and inconsistencies in the codes of causes of death.

S.21.6.1 Seasonal adjustment

Unacceptably.

S.22 Notes

In the future, continue to work to ensure data quality.