



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

Quality report

*The production activities of households in the Republic
of Kazakhstan*

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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 Labor Statistics and Living Standards

S.1.3 Name of contact person

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

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S.1.5 Postal address of the contact person

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S.2 Introduction-Relevance

This observation refers to the statistics of living standards. The purpose of the observation is to obtain information on the production of consumer goods in households, household expenditures for land plots, for keeping farm animals, income from the sale of agricultural products and the provision of services by households in the republic.

Domestic production is the value of goods, products and services resulting from the production activities of households in the reporting period, intended both for own consumption and for sale.

The production of goods, products and services is recorded in physical and value terms at the selling prices.

Scope - for the compilation of accounts of the household sector in the system of national accounts; obtaining weights for calculating the consumer price index; obtaining data on the distribution of the population by the level of material well-being. Users are individuals and legal entities, government agencies.

S.3 Updating metadata

S.3.1 Latest confirmation of updated metadata

S.3.2 Latest placement of metadata

S.3.3 Latest metadata update

S.4 Presentation of statistical information

S.4.1 Data description

Household consumer goods production; production of services in households;

livestock production in households;

collection and use of crop products in households.

S.4.2 Classification system

The nomenclature of commodity items for the Classifier of Individual Consumption by Purpose (COICOP) is posted on the website of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan www.stat.gov.kz in the "Classifiers" section.

S.4.3 Sectoral coverage

All households participating in a sample survey of households according to the standard of living of the population are subject to observation.

S.4.4 Statistical concepts and definitions

The survey involves 12,000 households. Observation type is selective. The survey is carried out according to the form D004 "Quarterly questionnaire on household expenditures and incomes" by interviewing specially trained interviewers by visiting households. Submission deadline - up to the 20th after the reporting period. The form was revised and registered 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 and is available on the website of the Committee www.stat.gov.kz.

S.4.5 Statistical object

Household.

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

The general population includes households living in all types of dwellings, with the exception of those living in shared communal apartments, dormitories, nursing homes for the elderly and disabled, orphanages, prisons, hotels, religious communities and other similar dwellings. The final sampling unit is defined as the household, which is also the survey unit. The sample population of households is formed by the method of two-stage probabilistic (random) sampling using the procedures of stratification and random selection at each stage of sampling. The stratification procedure is aimed at forming a representative sample of households that adequately reflects the territorial characteristics of population stratification.

S.4.7 Territorial coverage

Republic of Kazakhstan (14 regions and the cities of Astana, Almaty and Shymkent)

S.4.8 Time coverage

Since 2001

S.4.9 Base period

Corresponds to the corresponding period last year.

S.5 Unit of measurement

Kazakh tenge

S.6 Reporting period

quarter

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 statistics".
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 the Acting order of the 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 legislation by the 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 Committee on Statistics of the Ministry of National Economy 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 the Order of the Minister of National Economy of the Republic of Kazakhstan dated December 18, 2015 No. 778.

T. 8 Confidentiality 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. The information security policy (hereinafter referred to as the Policy) approved by the Order of the Chairman of the Committee on Statistics of the Ministry of National Economy of the Republic of Kazakhstan dated October 31, 2016 No. 252 defines the goals, objectives, guidelines and practices in the field of ensuring the 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

The rules for the provision and use of databases in a de-identified form for scientific purposes, approved by the Order of the Minister of National Economy of the Republic of Kazakhstan dated December 18, 2015 No. 778.

S.9 Publication Policy

S.9.1 Publication Calendar

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 of the Agency for strategic planning and reforms of the Republic of Kazakhstan www.stat.gov.kz in the section "Home" - "Basic documents".

S.9.2 Access to the Graph

The schedule for the dissemination of official statistical information is posted on the website of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan www.stat.gov.kz in the section "Home" - "Basic documents".

S.9.3 User access

The website of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan www.stat.gov.kz Home - Official statistical information - Operational data (bulletins, express information) - Living standards of the population.

S.10 Propagation frequency

quarter

S.11 Dissemination format, accessibility and clarity

S.11.1 News publications

Unacceptably

S.11.2 Publications

Quarterly and annually statistical bulletin "Production activity of households in the Republic of Kazakhstan". The bulletin is posted on the website Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan www.stat.gov.kz: main - official statistical information (by industry) - living standards of the population, in the "Main" section - " Basic documents ".

S.11.3 Databases in on-line mode

IAS "Taldau" in the section Living standards statistics.

S.11.3.1 AC1. Data tables-consultation

Not implemented

S.11.4 Microdata access

No access to microdata. The provision of de-identified databases is governed by the Rules for the provision and use of de-identified databases for scientific purposes, approved by the Chairman of the Agency of the Republic of Kazakhstan dated December 2, 2010 No. 168 (posted on the website of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan www.stat.gov.kz).

S.11.5 Other

S.11.5.1 AC2. Metadata consultation

Not implemented

S.12 Availability of Documentation

S.12.1 Methodology documentation

The interviewing technique for a sample survey of households to assess the standard of living was 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 17, 2015 No. 179 (registered in the Register of State Registration of Regulatory Legal Acts for No. 12412 dated December 14, 2015);

The methodology for constructing a sample of households for the survey of living standards, 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 December 14, 2015 No. 202;

The methodology for organizing a household survey to assess living standards was 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 December 15, 2015 No. 208 (registered in the Register of State Registration of Regulatory Legal Acts for No. 12871 dated January 15, 2016)

All methodologies are posted on the website of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan www.stat.gov.kz in the section on living standards of the population.

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 guide; Documented
procedures; Instructions; Process
maps.

4. Standard methodology for describing the process of production of statistical information by state bodies, 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 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 # 63

S.13 Quality management

S.13.1 Quality assurance

The quality and reliability of household survey statistics are supported by generally accepted procedures:

- compliance with the basic principles of primary accounting;
- use of standard statistical classifications of goods, products, services;
- at the stages of collection and processing of primary data, all control schemes (format-logical, arithmetic) have been developed and implemented;
- to confirm the reliability of primary data, the possibility of obtaining additional information from respondents is legally enshrined;
- a comparative analysis of statistical data (in dynamics) is carried out;
- rotation of sample frames.

S.13.2 Quality control

- Global assessment of the statistical system of the Republic of Kazakhstan by the United Nations Economic Commission for Europe (2008, 2017)
- The methodology of living standards statistics is internationally comparable, on the basis of the data of the bulletin "Production activity of households in the Republic of Kazakhstan" international questionnaires of the Interstate Statistical Committee of the Commonwealth of Independent States of the Eurasian Economic Commission are being filled in.

S. 14 Relevance

S.14.1 Needs

Information users: government agencies, individuals and legal entities. Obtaining data for compiling accounts of the household sector in the system of national accounts; obtaining weights for calculating the consumer price index; obtaining data on the distribution of the population by the level of material well-being.

S.14.2 User satisfaction

S.14.3 Completeness / R1. Data completeness-share

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

S.15.1 Overall accuracy

S.15.2 Sample errors - indicators / A1.

According to the Methodology for constructing a sample of households for a standard of living survey approved by order of the Chairman of the Committee on Statistics of the Ministry of National Economy of the Republic of Kazakhstan dated December 14, 2015 No. 202, the standard sampling error and standard relative sampling error are used as indicators of the accuracy of statistical estimation. The sample size ensures that results are obtained with an error of no more than 4% at the republican level and no more than 7% at the regional level.

S.15.3 Non-sampling error

S.15.3.1 Coverage error

In the course of the survey, there are cases when it is not possible to interview households due to the fact that it has not been found, or is not populated, or the household refuses to participate in the survey. Refusal to participate is undesirable because it reduces the sample size and mainly because it is a source of potential sample bias and leads to distorted statistical results. An effective preventative measure for overcoming data failure is to carefully document each case. If there is a difficulty in observing the principle of “non-replacement”, a list of reserve households is provided in the amount of 1/3 of the number of households in each cluster (10 households per interviewer). In total, 40 dwellings are selected in each cluster: 30 in the nominal sample and 10 replacement dwellings. At the same time, it should be noted that to compensate for the complete non-receipt of data, a simple weights adjustment scheme is used by setting large weights for all responding households in a given locality. The lack of data due to refusals to participate in the survey is about 5% per year.

S.15.3.1.1 A2.Excess coverage-share

Unacceptably.

S.15.3.1.2 A3 General units-ratio

Unacceptably.

S.15.3.3 No response errors

S.15.3.3.1 A4.Absence unit-share

Data shortfall occurs when the sample does not participate in the survey at all, or only partially participates in it. To compensate for cases of complete non-receipt of data, a simple scheme for adjusting the weights is applied, by setting large weights for all responding households in a given locality. The weights of all responding households in a given locality are increased by the same coefficient.

S.15.3.3.2 A5.No answer item - share

In the absence of data only on certain issues, the method of imputation (imputation) values is applied. This method consists in replacing the missing data for an individual item with a value for which a forecast is made, taking into account other information available for this object or for other objects of this survey.

S.16 Timeliness and punctuality

S.16.1 Timeliness

S.16.1.1 TP1 Waiting period - first results

The first results for the quarter in the bulletin "Production activity of households in the Republic of Kazakhstan" are published 70 days after the deadline for the provision of primary statistical information by respondents and are final. The release date was approved and published in the Statistical Work Plan and in the Schedule for the dissemination of official statistical information.

S.16.1.2 TP2.Waiting Period - Latest Results

The results of the survey are published in accordance with the terms specified in the Statistical Work Plan on a quarterly basis and are final.

S.16.2 Punctuality

S.16.2.1 Punctuality / TP3

The results of the survey are published according to the terms specified in the Statistical Work Plan on a quarterly and annually basis.

S.17 Comparability

S.17.1 Geographic comparability

Within the territories of the Republic of Kazakhstan.

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

S.17.2 Length of comparable time series / CC2

The dynamic range of household production activities has been comparable and continuous since 2001.

S.18 Consistency

S.18.1 Consistency, external, cross

The methodology for constructing a sample of households for a standard of living survey was developed on the basis of the recommendations of the World Bank experts as part of the implementation of the Joint Economic Research Project for 2010 "Development of a new sample for a household survey to assess the standard of living". The specified methodology corresponds to the methods of sampling accepted in the world practice and ensures the receipt of high-quality statistical data.

S.18.2 Internal consistency

S.19 Load

According to the timekeeping data, the interviewer spends 3 hours for filling in D004 per household. The workload per interviewer is 30 households.

S.20 Revision of data

S.20.2 Revision of data / A6

S.21 Processing of statistical data S.21.1

Input data

The dataset is based on a survey of households. For this survey, households are selected by the method of two-stage probabilistic (random) sampling, using stratification procedures and random selection at each stage of sampling. The information base for the formation of a sample of households is the Register of Housing Stock. The survey unit is the household, the sample size is 12 thousand households (0.3% of the general population).

S.21.2 Inspection frequency

quarter

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

The dataset is based on a survey of households. Data collection is carried out on paper by filling out the statistical form D 004 "Quarterly questionnaire on household expenditures and incomes"

S.21.4 Reliability of primary statistical data

Data processing procedures include editing, importing and aggregating data. At the first stage of processing, the database is edited and brought into working condition. For this, the following types of control are carried out:

1) control to identify extreme values (outlays). The area of extreme values of indicators is outside the interval, the boundaries of which are determined by the deviation from the average value of indicators by the value of the standard deviation;

- 2) the maximum and minimum values of quantitative indicators are analyzed;
- 3) assessment of the quality of the information received from the respondents. For this purpose, within each section of the questionnaire, a logical control system is built that allows you to eliminate both input errors and registration errors on the part of households: expenses that are atypical for households (purchase of exotic food or expensive food for feeding pets), residential the area should not be more than the total;
- 4) control based on the logical relationship of information obtained from different statistical forms. With the help of cross-questions, the relationship between the questionnaires is checked, the completeness of filling out forms is controlled.

S.21.5 Imputation - share / A7

According to the Methodology for organizing a household survey for assessing living standards, the second stage of data processing is imputation - assigning values to the missing answers. In the survey of households to assess the standard of living, there is a certain percentage of non-responses both on the survey forms and on their individual questions. In order to avoid errors caused by lack of answers, when processing data, it is important to compensate for the missing information. In the absence of a quarterly questionnaire, it is not imputed, the household is excluded from the survey and all diary entries are not processed.

S.21.6 Adjustment

Not applicable.

S.21.6.1 Seasonal adjustment

Not applicable.

S.22 Notes