



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

# Quality report

*Consumer price index*

## 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 price statistics

### S.1.3 Name of contact person

Abdrakhmanova Dinara Sharipovna

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

Tlepbergenova Emma Narimanovna

### S.1.5 Postal address of the contact person

010000, Republic of Kazakhstan, Nur-Sultan city, Left bank of the Ishim river, 8 Mugilik el street, House of Ministries, entrance 4

### S.E-mail address of the contact person

d. abdrakhmanova@economy.gov.kz

### S. 1.7 Telephone number of the contact person

+ 7 (7172) 74-97-76

## S. 2 Introduction-Relevance

The consumer price index (hereinafter referred to as the CPI) is calculated to identify the real dynamics of consumer prices, reflecting their changes in the regions and the country, as well as to provide a detailed picture of price movements for specific groups of goods and services.

As a generally recognized indicator of inflation, CPI is used to study the dynamics of socio-economic phenomena, to analyze and forecast price processes in the economy, in monetary, financial, tax, budgetary and social policies of the state.

The following sub-indices are formed on the basis of CPI: price indices for population groups with different levels of per capita money income, core inflation, and retail price index.

## 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

CPI characterizes the change over time in the average level of prices for a fixed basket of goods and services purchased by the population for personal consumption

### S.4.2 Classification system

Directory of commodity items to the Classifier of Individual Consumption by Purpose (NCIPC), 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](http://www.stat.gov.kz) in the "Classifiers" section

#### S.4.3 Sectoral coverage

The sphere of observation of the consumer price index unites the geographic coverage of the territory, types of households and retail facilities, the range of goods and services accounted for.

The coverage of retail outlets is determined by the shopping behavior of households. Price registration is carried out by specialists in trade facilities. All retail properties in which households shop are included in the CPI coverage and constitute the sampling frame for the selection of base properties.

#### S.4.4 Statistical concepts and definitions

1) Type of observation - selective.

2) Data collection tools - statistical forms "Notebook for registering prices for consumer goods and paid services" (code 1153101, index C-101, daily frequency), "Electronic data entry form for registering prices for consumer goods and services" (code 263107084, C-101e index, daily frequency);

3) Definitions:

- registration of prices - collection of primary statistical data on prices (tariffs) for goods and services during national statistical surveys;

- base object - a selected object for monitoring and registering prices in it;

- a representative product (service) - a set of certain types of goods (services) in a commodity group, which differ from each other in insignificant features (details) that do not affect the quality and basic consumer properties of goods (services) and are homogeneous in their consumer purpose.

#### S.4.5 Statistical object

Large retail facilities with a wide range of goods and paid services (hypermarkets, department stores, trading houses, specialized stores and facilities that provide a range of paid services), small and medium-sized, selling one or two groups of goods or paid services, clothing, mixed and food markets

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

The observation is carried out by a selective method. Registration of prices is based on the principles of selective statistical observation and covers only a part of the settlements of the region, objects of trade in the settlement, goods (services) and their varieties in the base object. The sample size and sampling methods for the underlying objects, goods (services), prices for which are recorded, ensure that the monitored prices are representative and sufficient to meet the requirements for the reliability of the index.

#### S.4.7 Territorial coverage

Cities of republican significance, the capital, cities of regional significance (regional centers) and a sample range of cities of district significance

#### S.4.8 Time coverage

Time series available since 1993 S.4.9 Base period

2015 = 100%

#### S.5 Unit of measurement

Percent

#### S.6 Reporting period

month

#### 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. The plan of statistical work, approved in accordance with the established legislative procedure of the Republic of Kazakhstan by the Order of the Minister of National Economy of the Republic of Kazakhstan.
3. 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.
4. Rules for registration of prices 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 26, 2018 No. 16.
5. 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.

6. "Methodology for constructing the consumer price index", approved by the order of the Acting Chairman of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan dated December 30, 2015 No. 230 and registered with the Ministry of Justice of the Republic of Kazakhstan No. 12955.

7. "Methodology for monitoring prices for consumer goods and services", 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 September 22, 2017 No. 135 and registered with the Ministry of Justice of the Republic of Kazakhstan No. 15872.

## S.8 Privacy and data protection

### S.8.1 Privacy Policy

1. Article 8 of the Law of the Republic of Kazakhstan No. 257-IV of 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. Information security policy (hereinafter - 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. Security Committee. The main purpose of the Policy is to ensure availability of official statistical information, confidentiality of information stored and processed on the Committee's computer facilities under the conditions of its integrity and authenticity.

3. Article 28 of the Entrepreneurial Code of the Republic of Kazakhstan No. 183 dated October 29, 2015 ensures the protection of information constituting a commercial secret.

### 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

According to paragraph 1, paragraph 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 formed.

### 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](http://www.stat.gov.kz) in the "Home" / "Basic documents" section.

#### S.9.3 User access

1. Section "Official statistical information" / "Operational data (express information, bulletins)" / "Prices and tariffs" 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](http://www.stat.gov.kz);
2. Section "Price statistics" of the information-analytical system "Taldau".

#### T. 10 Frequency of propagation

month

#### S.11 Dissemination format, accessibility and clarity

##### S.11.1 News publications

The press release "Inflation in the Republic of Kazakhstan" is published monthly. The 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](http://www.stat.gov.kz) in the section "News" / "Press releases of the Committee".

##### S.11.2 Publications

- 1) The statistical bulletin "Consumer Price Index in the Republic of Kazakhstan" is published monthly on the website Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan [www.stat.gov.kz](http://www.stat.gov.kz) in the section "Official statistical information (by industry)"/" Prices and Tariffs".
- 2) Express information "On inflation in the Republic of Kazakhstan", "On inflation in the regions of the Republic of Kazakhstan" are published monthly 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](http://www.stat.gov.kz) in section "Official statistical information (by industry)" / "Prices and tariffs".
- 3) The annual statistical compendium "Prices on the consumer market in the Republic of Kazakhstan" is published on the website Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan [www.stat.gov.kz](http://www.stat.gov.kz) in the section "Official statistical information (by industry)"/" Collections, quarterly editions, spreadsheets, analytics. "
- 4) The annual booklet "Consumer Price Index: Questions and Answers" is published 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](http://www.stat.gov.kz) in the section "Official statistical information (by industry)"/" Collections, quarterly editions, spreadsheets, analytics"/" Booklets".
- 5) The video clip "Consumer Price Index" is posted on the Youtube channel [statgov.kz](http://statgov.kz).

6) The consumer price index slide is monthly placed 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](http://www.stat.gov.kz) in the section "Home" / "Statistics in simple words".

#### S.11.3 Databases in on-line mode

Section "Price statistics" of the information-analytical system "Taldau"..

##### S.11.3.1 AC1. Data tables-consultation

Not implemented

#### S.11.4 Microdata access

The 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

#### S.11.5 Other

##### S.11.5.1 AC2. Metadata consultation

Not implemented

### S.12 Availability of Documentation

#### S.12.1 Methodology documentation

1. "Methodology for constructing the consumer price index", approved by the order of the Acting Chairman of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan dated December 30, 2015 No. 230 and registered with the Ministry of Justice of the Republic of Kazakhstan No. 12955.

2. "Methodology for monitoring prices for consumer goods and services", 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 22, 2017 No. 135 and registered with the Ministry of Justice of the Republic of Kazakhstan No. 15872.

Available on the website Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan [www.stat.gov.kz](http://www.stat.gov.kz) in the section Methodology / Price statistics, as well as on the website [www.adilet.kz](http://www.adilet.kz).

3. "Specifications of goods (services) - representatives selected for price registration" are posted on the internal website of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan [www.e.stat.kz](http://www.e.stat.kz) in the section Methodology / Price statistics ...

#### S.12.2 Quality documentation

T.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. Quality objectives Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan, Quality objectives of the Price Statistics Department.
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 No. 63.

## S.13 Quality management

### S.13.1 Quality assurance

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

- compliance with the basic principles of primary accounting;
- use of standard statistical classifications of goods, services;
- rotation of sample sets of lists of goods, services and basic objects selected for price observation;
- annual review of weighing schemes;
- use of uniform formulas for calculating price indices at all levels of aggregation.

### S.13.2 Quality control

The CPI construction methodology is constantly being reviewed by international organizations:

- reports of the IMF mission on price statistics (May 1995, September 1997, April 2002, August 2007);
- Global assessment of the statistical system of the Republic of Kazakhstan by the United Nations Economic Commission for Europe (February 2008, March 2017).

According to their estimates, the purity of the CPI compilation methodology is in line with international standards.

## S.14 Relevance

### S.14.1 Needs

Information users:

Administration of the President of the Republic of Kazakhstan, Government of the Republic of Kazakhstan, National Bank of the Republic of Kazakhstan, government bodies, government agencies, international organizations, individuals and legal entities

S.14.2 User satisfaction

An annual survey of users of official statistical information is carried out 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

The accuracy of the initial data is ensured by following the methodological recommendations

S.15.2 Sample errors - indicators / A1.

Not applicable

S.15.3 Non-sampling error

S.15.3.1 Coverage error

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

Press release, express information is published monthly on the first day after the reporting period, the data are final. Release dates approved and published in the Statistical Work Plan and the Schedule for the Dissemination of Official Statistical Information

S.16.1.2 TP2.Waiting Period - Latest Results

Results are final

S.16.2 Punctuality

S.16.2.1 Punctuality / TP3

The data are published and disseminated in accordance with the Schedule for Dissemination of Official Statistical Information, approved annually by order of the Chairman of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan. The terms of publication are set in the Plan of statistical work, approved annually by order of the Chairman of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan and registered with the Ministry of Justice of the Republic of Kazakhstan.

#### S.17 Comparability

##### S.17.1 Geographic comparability

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

Not applicable

###### S.17.2 Length of comparable time series / CC2

CPI dynamic range comparable to 1993

#### S.18 Consistency

##### S.18.1 Consistency, external, cross

The methodology was developed in accordance with the following international standards for constructing the consumer price index:

- 1) The Consumer Price Index Handbook: Theory and Practice (2004) prepared by the International Labor Organization, the International Monetary Fund, the Organization for Economic Cooperation and Development, the Statistical Office of the European Communities, the United Nations Economic Commission for Europe and the World Bank;
- 2) "Practical Guide to the Consumer Price Index" (2009);
- 3) "Regulation of the European Commission on the handling of seasonal goods" (No. 330, 2009);
- 4) "System of National Accounts" (2008).

##### S.18.2 Internal consistency

The methodology for constructing the consumer price index, The methodology for observing prices for consumer goods and services has been agreed with all structural divisions of the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan

#### S.19 Load

There is no load on the respondents. Registration of prices for consumer goods and services is carried out by specialists of territorial statistical bodies.

#### S.20 Revision of data

##### S.20.2 Revision of data / A6

Not applicable

#### S.21 Processing of statistical data S.21.1

Input data

To construct CPI, two information flows are used: weight components and price changes for representative goods (services). The weight components of CPI are determined on the basis of the structure of household consumption expenditures and are uniform across the republic and regions. The share of each cost item in total consumer spending is its weight.

#### S.21.2 Inspection frequency month

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

Prices for consumer goods are fixed by specialists by bypassing basic objects and reading them from a label (price tag), if necessary, consultations are held with competent employees of basic objects or interviews with sellers in the markets.

For paid services, prices (tariffs) are registered by bypassing basic objects in which prices (tariffs) are fixed on the basis of posted price lists (services of hairdressers and beauty salons, baths, dry cleaning and others), or a survey of persons providing paid services is conducted ( shoe repair, household appliance repair, clothing fitting, key making and others).

Prices (tariffs) for certain types of goods and paid services are registered via the Internet (services of passenger rail and air transport, cellular communications, certain types of medical services, and others) or by phone (fax). In cases of receiving price information by phone, specialists periodically (once a quarter) visit the base facilities in order to maintain personal contacts with their employees in order to avoid mistakes when choosing goods (services) -representatives when determining prices, as well as to make sure that the specifications of the selected goods are comparable. (services) -representatives.

Organizations that are characterized by the setting of prices (tariffs) for a long period of time (sanatoriums, medical and educational institutions, organizations providing funeral services, and others) are sent official letters requesting information on prices (tariffs) for the services provided. Prices (tariffs) are fixed based on the provided price lists. In order to control the reliability of the data, specialists at least once a quarter visit the base facilities to confirm the received price information.

Tariffs for housing and communal services are registered on the basis of payment documents (receipts) issued to the population for payment for the corresponding types of services. In cases of changes in tariffs, their new level is confirmed by orders of state bodies that exercise leadership in the areas of natural monopolies and regulated markets, and organizations that provide these types of services.

#### S.21.4 Reliability of primary statistical data

Prices and their changes are constantly compared with the dynamics of producer prices, wholesale prices, alternative sources of information (mass media, the Internet and other organizations).

Territorial statistical bodies organize control trips to basic facilities during the procedure for registering prices for consumer goods and services. Also, the Bureau of national statistics of the Agency for strategic planning and reforms of the Republic of Kazakhstan carries out control activities in order to establish the reliability of the registered data by territorial statistical bodies

#### S.21.5 Imputation - share / A7

Imputation is carried out using "implicit" methods (direct price comparison, alignment, imputation of the general average, imputation of the middle class, price rollover) or "explicit" methods (expert adjustments, differences in production costs, cost of options, hedonic regressions ) according to paragraphs 42-43 of the Methodology for constructing the consumer price index.

#### S.21.6 Adjustment

##### S.21.6.1 Seasonal adjustment

Registration of prices for "highly expressed" seasonal goods is carried out according to the developed calendar. In the months of their absence from sale, the method of "imputation of the total average" is applied, based on the assessment of price changes for missing goods using the average change in prices for goods of one group. The resulting price change value is used to impute the price of the missing item. The net difference in price between the missing item and its substitute is equal to the average price change for the remaining items.

#### S.22 Notes

Continue work to ensure the quality of statistical data.