



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

# Quality report

Wholesale price index of goods and products in the Republic  
of Kazakhstan for 2024

## 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 distribution
- S.11 Distribution format, accessibility and clarity
- S.12 Availability of documentation
- S.13 Quality Management
- S.14 Relevance
- S.15 Accuracy and reliability (to be filled in 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 (further - Bureau)

### S.1.2 Structural unit

Department of Price Statistics

### S.1.3 Contact person name

Kereyeva Tansholpan Makhambetovna

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

Director of the Department Zhakypbekuly Kuanyshbek

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

010000, Republic of Kazakhstan, Astana, Left Bank, Mangilik El Avenue 8, House of Ministries, entrance 4

### S.1.6 Contact person's email address

[t.kereeva@aspire.gov.kz](mailto:t.kereeva@aspire.gov.kz)

### S.1.7 Contact person's phone number

+77172749533

## S.2 Introduction-Relevance

The wholesale price index of goods and products characterizes the change in prices of goods (products) intended for subsequent sale or other purposes not related to personal, family, household and other similar use.

The purpose of constructing the price index of wholesale sales of goods and products is to measure the magnitude of changes in prices of goods (products) sold by wholesale trade entities.

The index of wholesale prices of goods and products has been formed since 2006. The index of wholesale prices of goods and products is used:

- 1) as a deflator for revaluation of wholesale trade volumes and the domestic trade sector in the national accounting system;
- 2) to calculate the index of physical volume of wholesale trade turnover;
- 3) to carry out economic monitoring, market analysis of production and sale of specific goods and products.

The Bureau holds meetings of working groups (focus groups) with the participation of potential users and respondents, representatives of interested government agencies, as well as the Atameken National Chamber of Entrepreneurs, at which the indicators of national statistical forms are analyzed in detail for their relevance and elimination of duplication with the indicators of departmental statistical forms and administrative data forms.

### S.3 Updating Metadata

#### S.3.1 Latest confirmation of updated metadata

30.12.2024

#### S.3.2 Last metadata placement

30.12.2024

#### S.3.3 Last metadata update

30.12.2024

### S.4 Presentation of statistical information

#### S.4.1 Description of data

The price index for wholesale sales of goods and products is calculated for the Republic of Kazakhstan and regions; goods, products; country of production for a month by comparison periods (reporting month to the previous month, December of the previous year, to base years; month and period of the reporting year to the corresponding month and period of the previous year; reporting quarter to the previous quarter, corresponding quarter of the previous year).

#### S.4.2 Classification system

When constructing the price index for wholesale sales of goods and products, the following classifications are used:

"Classifier products By types of economic activity";

"Directory of domestic trade services";

"Directory of Industrial Products";

"Directory of agricultural, forestry and fishery products";

"Service Directory".

Classifiers and reference books are posted on the Internet resource of the Bureau [www.stat.gov.kz](http://www.stat.gov.kz) in the section "Main" / "Statistical classifications" / "Classifier".

#### S.4.3 Sectoral coverage

The wholesale price index takes into account changes in prices for goods and products sold by wholesale trade facilities related

to the following types of economic activity:

- 1) Wholesale and retail trade in motor vehicles and motorcycles and their repair. In this type of activity, price monitoring includes wholesale sales of new and used vehicles (cars and trucks), wheeled tractors, spare parts and accessories for motor vehicles;
- 2) wholesale trade, excluding automobiles and motorcycles. In this type of activity, wholesale sales of agricultural raw materials, foodstuffs, timber, building materials, machinery, equipment, chemicals, textiles, tobacco products and other goods are included in price monitoring.

#### S.4.4 Statistical Concepts and Definitions

Monitoring of the level of wholesale prices is carried out according to the "Methodology for constructing the wholesale price index", which is available on the Bureau's Internet resource [www.stat.gov.kz](http://www.stat.gov.kz) in the "Main" / "Statistics" / "Economics" / "Price statistics" / "Methodology" section.

The following definitions are used in the Methodology for constructing the wholesale price index:

- aggregation – combining economic indicators low level into larger aggregates at all subsequent levels;
- base object - a legal entity selected for observation and registration of prices. The sample set of base objects must meet the basic requirement - representative representation in geographical and industry contexts;
- specifications – a description or list of characteristics that are used to identify a particular product selected for price registration;
- classification – division of a set of objects into groups based on similarities or differences in accordance with accepted characteristics;
- imputation is the process of replacing missing, incorrect, or invalid values with other values;
- index weight is a value that reflects the significance of each individual element in their totality;
- type of activity – the process of creating a homogeneous set of products (goods and services) that characterize the most disaggregated categories of the classification of types of activity. The main type of activity of a legal entity is a type of activity whose added value exceeds the added value of any other type of activity carried out by the legal entity. Secondary type of

activity of a legal entity is a type of activity that is carried out in addition to the main one for the purpose of producing products (works, services) for third parties;

- representative product – a certain type of product in a product group that differs in minor features (details) that do not affect the quality and basic consumer properties of the products and are homogeneous in their consumer purpose;
- weighing is a procedure used in index calculations to obtain summary indicators and ensure the commensurability of different goods that cannot be directly summed up;
- weighing scheme – a set of weights of specific types of products (goods), services, determined for all degrees of aggregation according to the standard classification;
- trade discount - a discount on the price of a product provided by the seller to the buyer in connection with the terms of the foreign trade transaction and depending on the current market situation;
- sample – individual items from approved classifiers, nomenclatures and reference books used in collecting and processing statistical data.

2) Data collection tool – statistical form of the national statistical observation “Report on wholesale prices (supplies) of goods, products” (index 1-C (wholesale), monthly frequency).

3) Submission deadline: up to the 22nd day (inclusive) of the reporting period.

4) Statistical form available on the Bureau's Internet resource [www.stat.gov.kz](http://www.stat.gov.kz) in the section “For respondents” / “Statistical forms for 2024 year” / “Monthly forms”.

#### S.4.5 Statistical object

The statistical object for the index of wholesale prices (deliveries) of goods and products is the legal entities included in the sample and (or) their structural and separate divisions with primary or secondary types of activity according to the codes of the General Classifier of Types of Economic Activity: 45, 46.

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

National statistical monitoring of wholesale prices is carried out on a sample of basic objects.

The general population for the sample of basic wholesale trade objects is the data of the statistical business register and the primary statistical data of the survey of domestic trade entities, providing information on wholesale sales volumes.

The selection of basic objects is carried out by the method of the main array, in which the most significant units of the studied population are subject to examination. The advantage of this method is the receipt of data characterizing the general population based on a detailed examination of individual units, the implementation of information processing and the formation of results in a shorter time and with the least expenditure of resources.

The optimal sample size is achieved if the selected basic objects provide the maximum possible coverage of the main groups, classes, types, subtypes of goods and products identified for the survey.

#### S.4.7 Territorial coverage

The Republic of Kazakhstan, regions, cities of republican significance and the capital

#### S.4.8 Time span

The wholesale price index for goods and products has been formed since 2006; there are time series from 2006 to the present.

#### S.4.9 Base period

The base period changes every five years.

In 2006-2010 the base period is December 2005.

In 2011-2015 – December 2010,

In 2016-2020 – December 2015, etc.,

In 2021-2025 – December 2020, etc.

### S.5 Unit of measurement

Percent

### S.6 Reporting period

Month

### S.7 Legal basis

#### S.7.1 Legal basis

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

2) Rules for the submission of primary statistical data by respondents, approved by the order of the Chairman of the Agency of the Republic of Kazakhstan on Statistics dated July 9, 2010 No. 173 (registered in the Ministry of Justice of the Republic of Kazakhstan on September 8, 2010 No. 6459);

3) Rules for the submission of administrative data by administrative sources on a free-of-charge basis, approved by the order of the Acting Chairman of the Agency of the Republic of Kazakhstan on Statistics dated July 14, 2010, No. 183 (registered in the Ministry of Justice of the Republic of Kazakhstan on August 16, 2010 No. 6394);

4) The plan of statistical work approved by the Order of the Head of the Bureau;

5) Schedule for the dissemination of official statistical information, approved by the Order of the Head of the Bureau;

6) "The Methodology for Constructing the Wholesale Price Index" was approved by the order of the Acting Chairman of the Statistics Committee of the Ministry of National Economy from February 16, 2016 No. 36 (registered in the Ministry of Justice of the Republic of Kazakhstan on March 15, 2016 No. 13452). Available on the Bureau's Internet resource [www.stat.gov.kz](http://www.stat.gov.kz) in the section "Home" / "Economics" / "Methodology" / "Price statistics" and on the website [www.adilet.zan.kz](http://www.adilet.zan.kz).

## S.8 Confidentiality and data protection

### S.8.1 Privacy Policy

1) Article 8 of the Law of the Republic of Kazakhstan No. 257-IV dated March 19, 2010 "On State Statistics", in accordance with which a guarantee of confidentiality and protection of the data provided by respondents is ensured;

2) Article 28 of the Entrepreneurial Code of the Republic of Kazakhstan No. 375-V 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 Head of the Bureau dated February 10, 2021 No. 20, defines the goals, objectives, guidelines and practical methods in the field of ensuring the information security of the Bureau. The main goal of the Policy is to ensure the availability of official statistical information, the confidentiality of information stored and processed on the Bureau's computing equipment, subject to its integrity and authenticity.

### S.8.2 Confidentiality - handling of data

Rules for the presentation of databases in de-identified form for use in scientific and scientific-technical activities, approved by the 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 Publication calendar

paragraph 1, paragraph 2 of Article 26 of the Law of the Republic of Kazakhstan "On State Statistics" dated March 19, 2010 No. 257. Statistical work plan and The schedule for dissemination of official statistical information for 2025 is available on the Unified Portal of Government Agencies [www.gov.kz](http://www.gov.kz) in the section "Government agencies" / "Others" / "Agency for Strategic Planning and Reforms of the Republic of Kazakhstan" / "Bureau" / "Documents".

### S.9.2 Access to the Schedule

Schedule for the dissemination of official statistical information for 2025 available on the Unified Portal of Government Agencies [www.gov.kz](http://www.gov.kz) in the section "Government agencies" / "Others" / "Agency for Strategic Planning and Reforms of the Republic of Kazakhstan" / "Bureau" / "Documents".

### S.9.3 User access

Official statistical information is subject to dissemination in accordance with the schedule for dissemination of official statistical information in the volumes provided for in the statistical work plan.

State statistical bodies provide users with equal rights to simultaneous access to high-quality official statistical information and statistical methodology by posting them on the Bureau's Internet resource [www.stat.gov.kz](http://www.stat.gov.kz).

Available on the Bureau's Internet resource [www.stat.gov.kz](http://www.stat.gov.kz) in the section "Home" / "Statistics" / "Economics" / "Price statistics".

## S.10 Frequency of distribution

Monthly

## S.11 Distribution format, accessibility and clarity

### S.11.1 News publications

Not published.

### S.11.2 Publications

1) The electronic table "Price indices and wholesale prices of goods and products in the Republic of Kazakhstan" contains

data on wholesale price indices in the republic, country of production in the reporting period compared to the previous month, December of the previous year, to the base year, the corresponding month and period of the previous year, the previous quarter and the corresponding quarter of the previous year.

Information published on the Bureau's Internet resource [www.stat.gov.kz](http://www.stat.gov.kz) in the section "Main" / "Economics" / "Price statistics" / "Electronic tables".

2) Dynamic tables of wholesale price indices for goods, products, country of production for the month by comparison periods (reporting month to the previous month, December of the previous year, to the base year; month and period of the reporting year to the corresponding month and period of the previous year; reporting quarter to the previous and corresponding quarters of the previous year) are posted in the information and analytical system "Taldau" on the Internet resource of the Bureau <https://taldau.stat.gov.kz>.

#### S.11.3 Online databases mode

IAS "Taldau" <https://taldau.stat.gov.kz> in the "Price statistics" section.

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

Not implemented.

#### S.11.4 Access to microdata

Rules for the presentation of databases in de-identified form for use in scientific and scientific-technical activities, approved by the 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

No

##### S.11.5.1 AC2. Consultation Metadata

Not implemented

#### S.12 Availability of documentation

##### S.12.1 Methodology documentation

"The Methodology for Constructing the Wholesale Price Index"

was approved by the order of the Acting Chairman of the Statistics Committee of the Ministry of National Economy dated February 16, 2016 No. 36 (Registered with the Ministry of Justice of the Republic of Kazakhstan on March 15, 2016 No. 13452). Available on the Bureau's website [www.stat.gov.kz](http://www.stat.gov.kz) in the section "Home" / "Economics" / "Methodology" / "Price statistics".

#### S.12.2 Quality documentation

- 1) Standard methodology for describing the process of producing statistical information by government agencies, approved by the Order of the Chairman of the Statistics Committee of the Ministry of National Economy of the Republic of Kazakhstan dated March 30, 2015 No. 53;
- 2) Methodology for assessing the quality of official statistical information, approved by the Order of the Chairman of the Statistics Committee of the Ministry of National Economy of the Republic of Kazakhstan dated May 23, 2018 No. 63;
- 3) Rules for assessing the quality of administrative data, approved by the Order of the Head of the Bureau of National Statistics of the Agency for Strategic Planning and Reforms of the Republic of Kazakhstan dated March 19, 2024 No. 2 (Registered in the Ministry of Justice of the Republic of Kazakhstan on March 20, 2024 No. 34168).

#### S.13 Quality Management

##### S.13.1 Quality Assurance

Quality And reliability data by statistics prices supported by generally accepted procedures:

- compliance with the basic principles of primary accounting;
- use of standard statistical classifications of goods and products;
- at the stages of collecting and processing 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 established by law;
- rotation of sample sets of lists of goods, products and basic objects selected for price observation;
- annual revision of the weighing scheme;
- the use of uniform formulas for calculating price indices at all levels of aggregation.

### S.13.2 Quality assessment

The "Methodology for constructing the wholesale price index" has been developed taking into account the principles and recommendations of the "Manual on the Producer Price Index: Theory and Practice" prepared by the International Labour 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.

### S.14 Relevance

#### S.14.1 User needs

The wholesale price index of goods and products satisfies the needs of a wide range of users, internal (industry statistical agencies), external (government agencies, economists, employees of management bodies and financial and economic services of enterprises, organizations, scientific, entrepreneurial and banking employees, faculty, students, mass media).

#### S.14.2 User Satisfaction

The user questionnaire is posted on the Bureau's Internet resource [www.stat.gov.kz](http://www.stat.gov.kz) in the section "Home" / "Surveys" / "User Questionnaire".

In addition, in order to maintain constant feedback with users and respondents, the Bureau operates a Single Contact Center 1446.

#### S.14.3 Completeness/R1. Completeness of data-proportion

Not applicable

### S.15 Accuracy and reliability (filled out taking into account the type of observation)

#### S.15.1 Overall accuracy

The accuracy and reliability of the calculated price indices for wholesale sales of goods and products is ensured by conducting an optimally selected observation method.

The methodology for constructing the wholesale price index is based on international standards, which set out requirements for the selection of basic objects, conducting statistical monitoring of prices and procedures for calculating the indicator.

The analysis of the accuracy and reliability of the calculated indices of wholesale prices in the Republic of Kazakhstan over the past five years was carried out using the coefficient of

variation.

The coefficient of variation is a measure of the relative dispersion of a random variable. It shows what proportion the average dispersion of a random variable is from the average value of this variable. The greater the value of the standard deviation, the relatively greater the dispersion and the less uniformity of the values under study. The coefficient of variation is calculated using the formula:  $C_V = \frac{SD}{\bar{X}} * 100\%$ ,

Where:

SD – standard deviation;

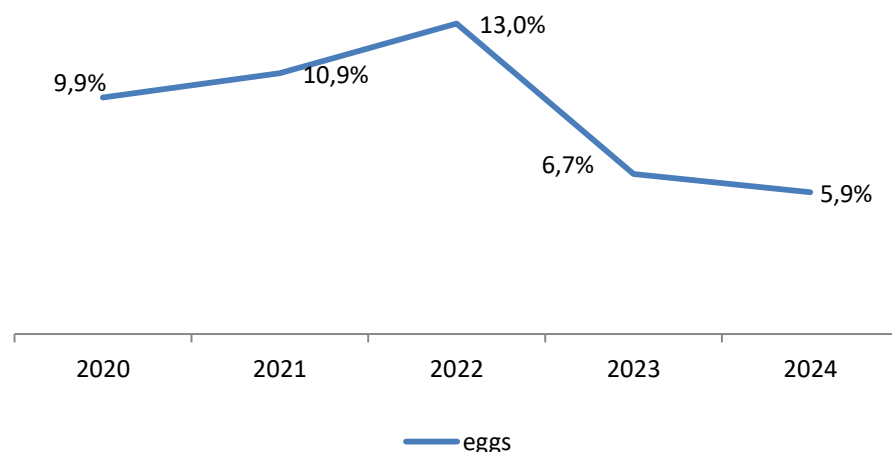
$\bar{X}$  – average value.

The standard deviation is calculated using the formula:

$$SD = \sqrt{\frac{\sum_{i=1}^n (X_i - \bar{X})^2}{n-1}}$$

Coefficient of variation of average wholesale prices for eggs  
in the Republic of Kazakhstan

in percent



As the analysis of average egg prices in 2020-2024 showed, the data were quite homogeneous. The largest price range was noted in 2022, the smallest - in 2024, associated mainly with their change among agricultural producers.

S.15.2 Sampling errors-indicators/A1.

Not applicable.

S.15.3 Non-sampling error

Not applicable.

S.15.3.1 Coverage error

Not applicable.

#### S.15.3.1.1 A2. Excess Coverage-Share

Not applicable.

#### S.15.3.1.2 A3. General units-ratio

Not applicable.

#### S.15.3.3 Non-response errors

##### S.15.3.3.1 A4. Unit of absence-share

The methods for calculating "conditional" prices are applied in accordance with the Methodology for constructing the wholesale price index. The share of missing responses is not calculated.

##### S.15.3.3.2 A5. Non-response item-share

No calculation is carried out.

#### S.16 Timeliness and Punctuality

##### S.16.1 Timeliness

##### S.16.1.1 TP1. Waiting period - first results

The first results are published on the 7th day of the month following the reporting period and are final.

The release dates are 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

The first results are final.

##### S.16.2 Punctuality

##### S.16.2.1 Punctuality/TP3

The data are published and disseminated in accordance with the Schedule of Dissemination of Official Statistical Information, approved annually by the order of the Head of the Bureau. The publication deadlines are set in the Statistical Work Plan, approved annually by the order of the Head of the Bureau and registered with the Ministry of Justice of the Republic of Kazakhstan.

Actual and planned dates coincide, there were no failures to meet publication deadlines for 2024. The release of publications is postponed to the next working day if the publication falls on a weekend or holiday.

## S.17 Comparability

### S.17.1 Geographical comparability

Within the territory of the Republic of Kazakhstan.

#### S.17.1.1 Asymmetry in mirror statistics of flows – coefficient/CC1

No

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

The dynamic series of price indices for wholesale sales of goods and products has been comparable and continuous since 2006.

Published on the Bureau's Internet resource [www.stat.gov.kz](http://www.stat.gov.kz) in the section “Home” / “Statistics” / “Economics” / “Price statistics” / “Dynamic series”.

## S.18 Coherence

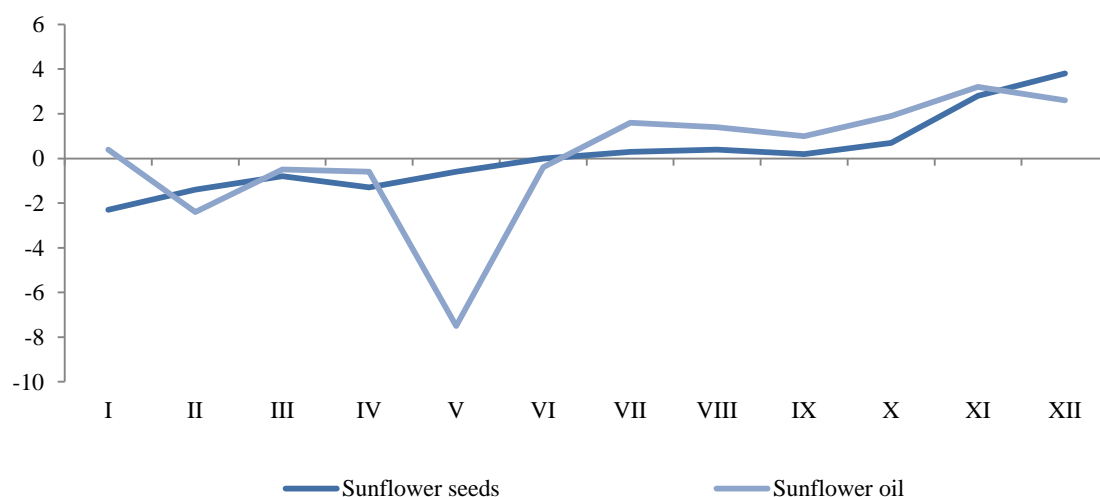
### S.18.1 External consistency, cross-consistency

The main approaches to the methodology for constructing wholesale price indices have been agreed upon and developed taking into account the principles and recommendations of the “Manual on Producer Price Indexes: Theory and Practice” prepared by the International Labour 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.

### S.18.2 Internal consistency

Price indices for related goods have a consistent dynamics. The consistency of changes in wholesale prices for sunflower oil with changes in prices for sunflower seeds from agricultural producers is presented below.

Wholesale price indices for sunflower oil and sunflower seeds from  
agricultural producers  
in the Republic of Kazakhstan in 2024  
as a percentage of the previous month



## S.19 Load

Price collection is carried out electronically and on paper at the respondent's request.

Filling out the statistical form in electronic form is carried out through the "Respondent's Cabinet" on the Bureau's Internet resource <https://cabinet.stat.gov.kz>, in which automated arithmetic and logical controls are provided for the respondent, eliminating the possibility of typical input errors.

The information processing processes are automated using local software packages, input and output information controls, and procedures for imputing missing data are provided. There is no duplication with other surveys. Administrative data or other sources are not used.

## S.20 Revision of data

### S.20.2 Data revision/A6

Not applicable.

## S.21 Processing of statistical data

### S.21.1 Initial data

The construction of the wholesale price index involves the use of two data streams: weight components (weighing scheme) and changes in prices for goods and wholesale products. The weighing scheme is formed centrally for each region and the republic as a whole. It is formed on the basis of average annual data on the cost of wholesale services for a certain year.

The formation of the weighing scheme for the republic is carried out: at the level of types, subtypes of goods, products - as the



sum of costs by region; at the level of classes, groups, sections of wholesale trade services - as the sum of incoming, sequentially at all levels of aggregation.

#### S.21.2 Frequency of examination

Monthly

#### S.21.3 Method (technique) for collecting primary statistical data

Submission of statistical form 1-C (wholesale) "Report on wholesale prices (deliveries) of goods, products" is carried out on paper in person at the "Single Window" of territorial statistical divisions, via postal communication services or electronically. Completion of the statistical form in electronic form is carried out through the "Respondent's Cabinet" <https://cabinet.stat.gov.kz/> on the Bureau's Internet resource.

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

When entering primary statistical data, format-logical controls of minimum and maximum price indices are included; comparison with the price level of the previous month, and various output data controls are also included.

In accordance with Article 17 of the Law of the Republic of Kazakhstan "On State Statistics", the respondent is obliged to submit reliable primary statistical data when conducting statistical observations in accordance with the schedule for the submission of primary statistical data by respondents and with the statistical methodology.

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

Imputation is carried out in accordance with the Methodology for constructing the wholesale price index.

When registering wholesale prices, there are cases of failure to provide information on individual representative goods due to their temporary unavailability for sale. During the reporting year, in order to ensure the continuity of the dynamic series of price indices, prices for temporarily unavailable representative goods are replaced by using "conditional" prices or imputation of prices for temporarily unavailable representative goods.

The following substitution methods are used:

- 1) using a "conditional" price equal to the price of the previous month;
- 2) use of a "conditional" price, adjusted for changes in prices for the same representative goods, but from a different country

of origin;

3) use of a "conditional" price adjusted for changes in prices of similar goods that represent other basic objects.

The use of a "conditional" price at the price level of the previous month is carried out until the next fact of sale of the representative product. In cases where it is impossible to register the price of a representative product for more than three months, the procedure of replacing the old type of product with a new representative product in the base object is applied.

#### S.21.6 Adjustment

Not applicable.

##### S.21.6.1 Seasonal Adjustment

Not implemented.

#### S.22 Notes

Continue work to ensure the quality of statistical data.