

# Kazakhstan

## A: Identification

**Title of the CPI:** Consumer Price Index

**Organisation responsible:** Republic of Kazakhstan Statistics Agency

**Periodicity:** Monthly

**Index reference period:** December of previous year = 100

**Weights reference period:** Previous year (12 months)

**Main uses of CPI:** Indexation of wages, pensions and/or social security payment, indexation of rents, contracts and/or other payments, main inflation indicator used for monetary policy, macroeconomic modelling and other analytic uses.

## B: CPI Coverage

### Geographical Coverage

*Weights:* Nation-wide

*Price collection:* Nation-wide

**Population coverage:** Resident households of nationals.

### Consumption expenditure excludes:

- Foods produced for own final consumption;
- Other goods produced for own final consumption;
- Services produced for own final consumption

## C: Concepts, definitions, classifications and weights

**Definition of the CPI and its objectives:** The indicator measures changes in a fixed-market basket of goods and services of constant quantity and quality acquired by the population for individual consumption.

**Classification:** COICOP (Classification of individual consumption by purpose)

**Weights include value of consumption from own production:** No

**Sources of weights:** Household expenditure surveys.

**Frequency of weight updates:** Annual

**Price updating of weight reference period to the index reference period:** No, not needed.

**Weights for different population groups or regions:** Weights are determined by the region and the aggregation is done over the regions.

## **D: Sample design**

### **Sampling methods:**

*Localities:* Judgmental sampling

*Outlets:* Judgmental sampling

*Products:* Judgmental sampling

### **Frequency of sample updates:**

*Outlets:* Continuous (on a rotating basis)

*Products:* Continuous (on a rotating basis)

**Criteria used for determining the optimal sample sizes and the coverage of localities, outlets, items and variety samples:** Outlet selection: The sample must represent enterprises with different business conditions and include outlets that regularly produce sample items (services).

Item selection: The process for selecting representative items in the basket consists of a targeted (typical) choice aimed at achieving the best representation by including the most characteristic varieties representing a product group and having the largest share in the consumption.

Sample sizes: The number of base outlets is selected in such a way that for each item of goods and services, prices are observed in no less than eight outlets.

**Criteria used for selecting an item variety in the outlet in case of loose specifications provided by the central office:** Specifications are detailed and include: type of material, composition of raw material, enterprise (country) of origin, firm, sort, brand, quantity, name, article and other characteristics that enable it to be distinguished from other varieties.

## **E: Data Collection**

**Frequency with which prices are collected:** The frequency of data collection is weekly –for goods and services acquired on a daily basis (e.g. food staples, household chemicals, services requiring mandatory payment, etc.) and monthly – for goods acquired occasionally.

### **Methods of Price Collection**

- Personal data collection for most of the retail prices and services.

- Official tariffs

### Treatment of:

**Missing or faulty prices:** Missing prices are imputed by adjusting the last recorded prices for the changes in prices of items in the same group. The last recorded price is also used.

**Disappearance of a given type or quality from the market:** The replacement item should be very similar to initially selected outlet. The replacement outlet should be similar in form of ownership, location and sales conditions to the initially selected outlet.

**Quality differences:** When a product (or service) is no longer available, a similar type of product (service) with similar quality characteristics is selected and the prices are adjusted. When the quality of an item (service) has changed, a coefficient for recalculation of the new price is determined.

**Appearance of new items:** New products and services are introduced at the same time with the weights updates.

### Treatment of seasonal items and seasonality

**Items that have a seasonal character and their treatment:** When seasonal items (services) are temporarily unavailable, the last recorded price is carried forward or a price is imputed based on the level of change in prices of items in the same group.

### Treatment of housing

**Treatment of owner-occupied housing:** Included are rents and maintenance of the residence.

## F: Computation

**Formula used for calculation of elementary indices:** The ratio of geometric mean prices (Jevons index) (Chained form)

**Formula to aggregate elementary indices to higher level indices:** CPI is obtained by using the modified Laspeyres formula.

**Seasonally adjusted indices:** There is a special procedure for recording seasonal items when they are temporarily missing from the market.

## G: Editing and validation procedures

**Control procedures used to ensure the quality of data collected:** Recorded prices are verified for completeness of coverage, reliability and comparability over time and prices that significantly deviate from the general trend of change are checked.

## H: Documentation and dissemination

**Timeliness of dissemination of the CPI data:** CPI data is released two to three days after the reference month.

### **Level of detailed CPI published**

**Paper publication:** All items CPI, Division-level (12 Divisions)

**Online:** All items CPI, Division-level (12 Divisions)

### **Documentation**

**Publications and websites where indices can be found:** The news release (“On the Inflation Rate in the Republic of Kazakhstan”) is available on request in Kazakhstani and Russian and free of charge; The report (“Socioeconomic Position of the Republic of Kazakhstan”) (in Kazakhstani and Russian), is also available for a fee; The annual analytical report (“On Inflation and Prices in the Republic of Kazakhstan’s Consumer Market”) is available in Russian upon request; Internet website: [www.stat.kz](http://www.stat.kz)

**Publications and websites where methodological information can be found:**

Methodological explanations can be found at

<http://www.eng.stat.kz/digital/Prices%20and%20tariffs/Pages/default.aspx>

### **I: Other Information**

Completed by ILO in 2013.