

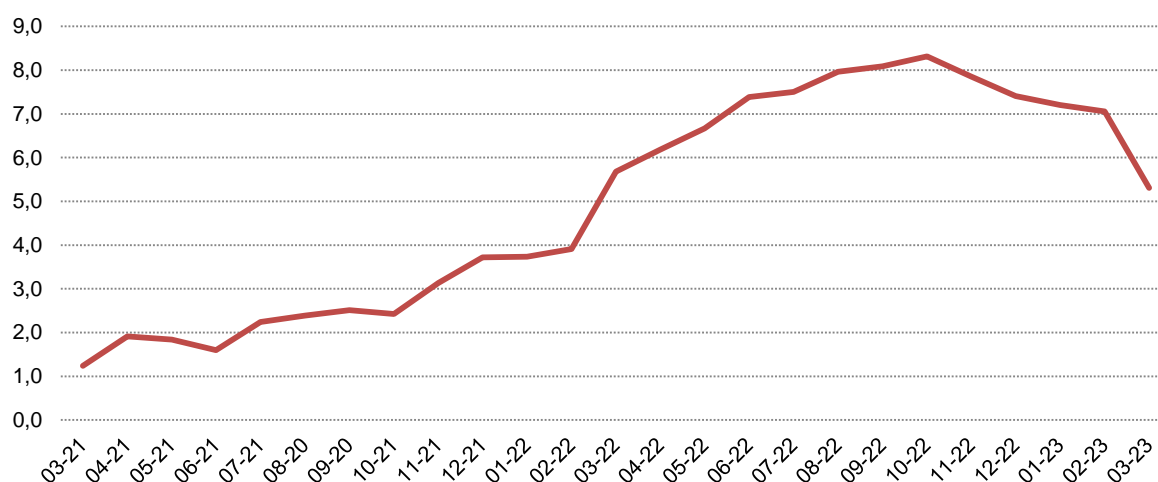
# Consumer Price Index

## March 2023

**Tirana, on April 07, 2023:** Consumer Price Index in March arrived 114.7 against December 2020 as reference period.

The annual rate of consumer price index in March 2023 is 5.3 %, a year before was 5.7 %. Compared with March 2023 the monthly change of consumer price index is 0.7 %.

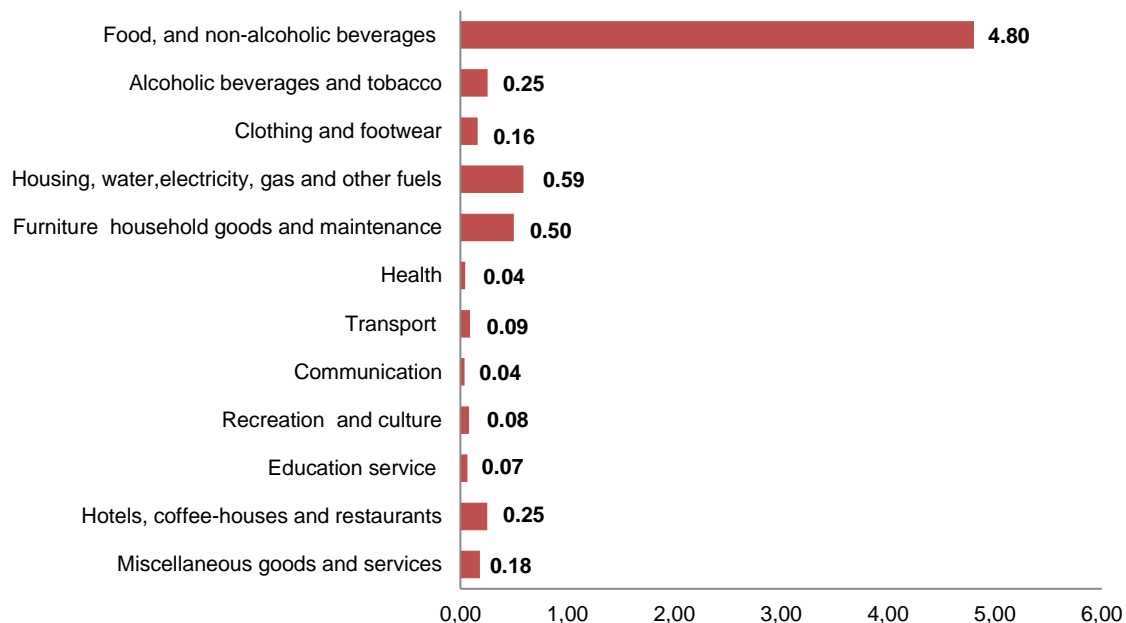
**Fig. 1 Annual rate of consumer price index**



**Contribution of main groups in yearly changes of CPI:** Annual growth rate in March was influenced mostly from prices of group "Food and non-alcoholic beverage" by +3.94 p.p., followed by "Housing, water, electricity and other fuel" group by +0.48 p.p.. Prices of "Furniture household goods and maintenance" group contributed by +0.47 p.p.. Prices of "Hotels, coffee-house and restaurants" group contributed by +0.21 p.p.. Prices of "Miscellaneous goods and services" group contributed by +0.18 p.p.. Prices of "Alcoholic beverages and tobacco" group contributed by +0.14 p.p.. Prices of "Clothing and footwear" group contributed by +0.13 p.p.. Price of "Recreation and culture" group contributed by +0.11 p.p.. Price of "Education service" group contributed by +0.06 p.p.. Price of "Health" group contributed by +0.05 p.p.. Price of "Communication" group contributed by +0.04 p.p.. Price of "Transport" group contributed by -0.49 p.p..

**For Release 07/04/2023**

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**Fig. 2 Contribute of main groups in annual rate**

**Yearly rates of main groups:** Compared to March 2022, prices increased the most in the group “Food and non-alcoholic beverage” by 11.0 %, followed by “Furniture household goods and maintenance” by 6.6 %, “Recreation and culture” by 4.7 %, “Hotels, coffee-house and restaurants” by 4.6 %, “Clothing and footwear” by 3.7 %, “Miscellaneous goods and services” by 3.2 %, “Alcoholic beverages and tobacco” by 2.8 %, “Housing, water, electricity and other fuel” by 2.6 %, “Education service” by 2.0 %, “Communication” by 1.4 %, and “Health” by 1.1 %. On the other hand, prices of “Transport” group decreased by 7.5 %.

Within the food group prices of “milk, cheese and eggs” subgroup signed an increased by 20.6 %, followed by “fish” by 15.9 %, “vegetables included potatoes” by 13.6 %, “meat” by 11.4 %, “sugar, jam honey, syrup, chocolates and sweets” by 8.0 %, “bread and cereals” by 5.6 %, etc.

**Monthly rates of main groups:** Compared with February 2023 prices of “Food and non-alcoholic beverage” increased by 1.7 %, followed by “Recreation and culture” by 1.6 %, “Alcoholic beverages and tobacco” and “Furniture household goods and maintenance” by 0.6 % each of them, “Hotels, coffee-house and restaurants” by 0.4 %, “Miscellaneous goods and services” by 0.3 % and “Communication” by 0.1 %. The most decrease of the prices was noticed in “Transport” group by 1.0 %, followed by “Education service” by 0.1 %.

**Tab. 1 Consumer Price Index**

December 2020=100

| Code | Groups   | Weights    | 03-22        | 04-22        | 05-22        | 06-22        | 07-22        | 08-22        | 09-22        | 10-22        | 11-22        | 12-22        | 01-23        | 02-23        | 03-23        |
|------|--|------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
|      | <b>Total</b>                                     | <b>100</b> | <b>108.9</b> | <b>109.7</b> | <b>109.2</b> | <b>109.0</b> | <b>109.3</b> | <b>110.1</b> | <b>110.8</b> | <b>111.2</b> | <b>110.9</b> | <b>111.4</b> | <b>112.6</b> | <b>113.9</b> | <b>114.7</b> |
| 1    | Food, and non-alcoholic beverages                | 35.6       | 117.8        | 119.1        | 117.2        | 115.6        | 116.2        | 118.0        | 119.3        | 119.8        | 119.7        | 121.4        | 124.5        | 128.7        | 130.8        |
| 2    | Alcoholic beverages and tobacco                  | 4.9        | 106.3        | 105.8        | 106.3        | 106.3        | 106.8        | 107.4        | 107.7        | 107.3        | 107.4        | 107.7        | 108.2        | 108.6        | 109.2        |
| 3    | Clothing and footwear                            | 3.6        | 101.5        | 101.4        | 101.6        | 101.7        | 102.3        | 102.0        | 104.2        | 104.7        | 105.2        | 105.6        | 105.5        | 105.3        | 105.3        |
| 4    | Housing, water, electricity, gas and other fuels | 19.5       | 102.5        | 102.8        | 103.2        | 103.2        | 104.0        | 104.2        | 104.4        | 105.0        | 104.8        | 104.8        | 105.1        | 105.1        | 105.2        |
| 5    | Furniture household goods and maintenance        | 7.4        | 102.6        | 103.3        | 103.9        | 104.5        | 105.0        | 105.4        | 106.3        | 107.2        | 107.3        | 107.7        | 108.0        | 108.7        | 109.3        |
| 6    | Health   | 4.2        | 100.9        | 100.8        | 100.8        | 101.0        | 101.3        | 101.3        | 101.6        | 102.0        | 102.1        | 102.0        | 101.9        | 102.0        | 102.0        |
| 7    | Transport  | 6.4        | 121.1        | 123.9        | 124.6        | 130.2        | 125.3        | 125.3        | 123.2        | 125.0        | 119.0        | 115.6        | 116.4        | 113.1        | 112.0        |
| 8    | Communication                                    | 3.1        | 103.3        | 103.6        | 103.6        | 103.4        | 103.7        | 103.9        | 103.9        | 103.8        | 104.4        | 104.6        | 104.6        | 104.6        | 104.7        |
| 9    | Recreation and culture                           | 2.3        | 103.2        | 106.0        | 102.7        | 101.3        | 101.2        | 106.7        | 107.0        | 104.3        | 105.0        | 105.6        | 106.0        | 106.3        | 108.0        |
| 10   | Education service                                | 3.0        | 100.8        | 100.8        | 100.8        | 100.8        | 100.9        | 100.9        | 102.6        | 102.2        | 102.5        | 102.8        | 102.9        | 102.9        | 102.8        |
| 11   | Hotels, coffee-houses and restaurants            | 4.5        | 105.2        | 105.7        | 106.2        | 106.6        | 107.2        | 107.6        | 108.0        | 108.1        | 108.7        | 108.7        | 109.4        | 109.5        | 110.0        |
| 12   | Miscellaneous goods and services                 | 5.5        | 100.7        | 100.9        | 101.0        | 101.2        | 101.6        | 101.8        | 102.7        | 103.0        | 103.1        | 103.0        | 103.3        | 103.6        | 103.9        |

**Tab. 2 Annual rate of CPI**

| Code | Groups   | 03-22/03-21 | 04-22/04-21 | 05-22/05-21 | 06-22/06-21 | 07-22/07-21 | 08-22/08-21 | 09-22/09-21 | 10-22/10-21 | 11-22/11-21 | 12-22/12-21 | 01-23/01-22 | 02-23/02-22 | 03-23/03-22 |
|------|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|      | <b>Total</b>                                     | <b>5.7</b>  | <b>6.2</b>  | <b>6.7</b>  | <b>7.4</b>  | <b>7.5</b>  | <b>8.0</b>  | <b>8.1</b>  | <b>8.3</b>  | <b>7.9</b>  | <b>7.4</b>  | <b>7.2</b>  | <b>7.1</b>  | <b>5.3</b>  |
| 1    | Food, and non-alcoholic beverages                | 9.3         | 9.9         | 11.4        | 12.6        | 13.2        | 14.0        | 14.0        | 14.6        | 14.7        | 14.2        | 13.3        | 13.5        | 11.0        |
| 2    | Alcoholic beverages and tobacco                  | 4.9         | 4.3         | 5.0         | 4.7         | 5.0         | 6.2         | 6.5         | 5.7         | 5.8         | 5.5         | 5.1         | 5.1         | 2.8         |
| 3    | Clothing and footwear                            | 1.5         | 1.2         | 1.3         | 1.6         | 2.1         | 1.9         | 3.0         | 3.0         | 3.6         | 3.8         | 4.1         | 4.4         | 3.7         |
| 4    | Housing, water, electricity, gas and other fuels | 2.3         | 2.6         | 2.7         | 2.8         | 3.4         | 3.2         | 3.3         | 3.6         | 3.1         | 2.8         | 3.0         | 3.1         | 2.6         |
| 5    | Furniture household goods and maintenance        | 1.4         | 2.7         | 3.2         | 3.8         | 4.2         | 4.7         | 5.5         | 6.5         | 6.2         | 6.5         | 6.4         | 6.9         | 6.6         |
| 6    | Health   | 0.0         | 0.6         | 0.2         | 0.3         | 0.5         | 0.6         | 0.9         | 1.3         | 1.3         | 1.1         | 1.0         | 1.0         | 1.1         |
| 7    | Transport  | 19.9        | 22.5        | 21.7        | 26.9        | 19.7        | 19.3        | 17.2        | 16.9        | 9.6         | 6.0         | 6.5         | 1.7         | -7.5        |
| 8    | Communication                                    | 1.9         | 0.8         | 0.8         | 0.6         | 0.7         | 0.9         | 0.9         | 0.7         | 1.1         | 1.3         | 1.3         | 1.2         | 1.4         |
| 9    | Recreation and culture                           | 3.5         | 4.1         | 1.2         | -0.9        | 0.2         | 5.2         | 4.7         | 1.7         | 1.0         | 1.3         | 1.8         | 3.4         | 4.7         |
| 10   | Education service                                | 0.7         | 0.6         | 0.6         | 0.6         | 0.7         | 0.7         | 1.8         | 1.8         | 1.9         | 2.3         | 2.3         | 2.3         | 2.0         |
| 11   | Hotels, coffee-houses and restaurants            | 4.5         | 4.9         | 5.3         | 5.6         | 6.0         | 6.2         | 6.4         | 6.1         | 6.1         | 5.2         | 5.6         | 5.5         | 4.6         |
| 12   | Miscellaneous goods and services                 | 0.9         | 1.0         | 0.9         | 1.0         | 1.5         | 1.9         | 2.9         | 3.3         | 3.6         | 3.3         | 3.6         | 3.2         | 3.2         |

**Tab. 3 Monthly rate of CPI**

|      |  |            |            |             |             |            |            |            |            |             |            |            |            | %          |
|------|--|------------|------------|-------------|-------------|------------|------------|------------|------------|-------------|------------|------------|------------|------------|
| Code | Groups   | 03-22      | 04-22      | 05-22       | 06-22       | 07-22      | 08-22      | 09-22      | 10-22      | 11-22       | 12-22      | 01-23      | 02-23      | 03-23      |
|      | <b>Total</b>                                     | <b>2.4</b> | <b>0.7</b> | <b>-0.5</b> | <b>-0.1</b> | <b>0.2</b> | <b>0.8</b> | <b>0.6</b> | <b>0.4</b> | <b>-0.3</b> | <b>0.4</b> | <b>1.1</b> | <b>1.1</b> | <b>0.7</b> |
| 1    | Food, and non-alcoholic beverages                | 3.9        | 1.1        | -1.6        | -1.4        | 0.6        | 1.5        | 1.1        | 0.4        | -0.1        | 1.5        | 2.6        | 3.3        | 1.7        |
| 2    | Alcoholic beverages and tobacco                  | 2.8        | -0.5       | 0.5         | 0.0         | 0.4        | 0.6        | 0.3        | -0.4       | 0.1         | 0.2        | 0.5        | 0.3        | 0.6        |
| 3    | Clothing and footwear                            | 0.7        | -0.1       | 0.1         | 0.2         | 0.5        | -0.2       | 2.1        | 0.5        | 0.5         | 0.3        | -0.1       | -0.2       | 0.0        |
| 4    | Housing, water, Electricity, gas and other fuels | 0.6        | 0.3        | 0.4         | 0.1         | 0.7        | 0.2        | 0.2        | 0.6        | -0.2        | -0.1       | 0.3        | 0.0        | 0.0        |
| 5    | Furniture household goods and maintenance        | 0.8        | 0.8        | 0.5         | 0.6         | 0.4        | 0.4        | 0.9        | 0.8        | 0.2         | 0.3        | 0.3        | 0.7        | 0.6        |
| 6    | Health   | -0.1       | 0.0        | 0.0         | 0.2         | 0.3        | 0.0        | 0.3        | 0.4        | 0.1         | -0.1       | -0.1       | 0.1        | 0.0        |
| 7    | Transport  | 8.9        | 2.3        | 0.5         | 4.5         | -3.7       | 0.0        | -1.7       | 1.5        | -4.8        | -2.8       | 0.7        | -2.8       | -1.0       |
| 8    | Communication                                    | 0.0        | 0.3        | 0.0         | -0.2        | 0.2        | 0.2        | 0.0        | 0.0        | 0.5         | 0.2        | 0.0        | 0.0        | 0.1        |
| 9    | Recreation and culture                           | 0.4        | 2.7        | -3.1        | -1.3        | -0.1       | 5.5        | 0.3        | -2.5       | 0.7         | 0.5        | 0.4        | 0.3        | 1.6        |
| 10   | Education service                                | 0.2        | 0.0        | 0.0         | 0.0         | 0.1        | 0.0        | 1.6        | -0.4       | 0.3         | 0.4        | 0.0        | 0.0        | -0.1       |
| 11   | Hotels, coffee-houses and restaurants            | 1.3        | 0.5        | 0.5         | 0.5         | 0.5        | 0.4        | 0.4        | 0.1        | 0.5         | 0.0        | 0.6        | 0.2        | 0.4        |
| 12   | Miscellaneous goods and services                 | 0.4        | 0.2        | 0.0         | 0.2         | 0.4        | 0.3        | 0.9        | 0.2        | 0.1         | -0.1       | 0.2        | 0.3        | 0.3        |

# METHODOLOGY

## - Methodological changes

In January of each year some methodological changes and new developments were carried out in CPI:

- Update of weights: Weights are changed; they are now based on the average expenditure from 2021 Household Budget Survey.
- Update of basket: The list of goods and service content 331 products.
- Update of list of the outlets where the prices are collected is updated.

Started from January 2021, the consumer price index is calculated with the new base period. December 2020 is considered as the base period (December 2020 = 100).

## - Definitions

The annual rate measures the price change between the current month and the same month of the previous year. This measure is responsive to recent changes in price levels but can be influenced by one-off effect in either month

The monthly rate measures the price change between current month and previous month. Although up-to-date it can be affected by seasonal and other effects.

The 12-month average rate compares average Consumer Price Indices ant the latest 12 month to the average of the previous 12 months.