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A note to the reader

The following report presents the price statistics for December 2023.

- The Central Bureau of Statistics made a series of improvements in October 2020 to keep the measures on changes in consumer prices as accurate and up to date as possible.
 Due to the implementation of these important changes in the calculation of the CPI, the CPI from June 2019 up to December 2020 were revised and corrected.
- At the end of December 2023, the Consumer Price Index (CPI) increased by 0.4% compared to the index of November 2023. The sector which affected the CPI the most was "Recreation and culture" (4.3%), which led to an effect of 0.38 percentage points (ppts) on the Δ CPI of December 2023 (0.4%).
- Compared to December 2022 the CPI increased by 2.3%. The sector which affected the CPI the most was "Communications" (22.2%), which led to an effect of 1.62 ppts.
- The period average inflation for the periods December 2021 to December 2022 and December 2022 to December 2023 is 3.4%, which is 2.1 ppt lower compared to the period average inflation for the periods December 2020 to December 2021 and December 2021 to December 2022 (5.5%).
- Utilities (Water and Electricity) did not register price changes in December 2023. The price of gasoline registered a decrease of 4.4% in December 2023 and had an effect of -0.21 ppts. The price of diesel registered a decrease of 8.3% in December 2023 and contributed with an effect -0.03 ppts on the Δ CPI of December 2023.

This report is divided in 7 sections. An overview of the monthly percentage changes in the CPI and index per sector is presented in section 1. Section 2 provides the yearly percentage changes in the CPI and index per sector. The development of indices of main sectors and utilities is outlined in section 3. Section 4 presents the percentage change in the CPI of Aruba's major trading partners and compares the CPI of Aruba and the USA. Section 5 presents an overview of the monthly and yearly percentage changes of the core inflation. Section 6 presents the price movements in food & catering services. The development of the subsistence level is presented in section 7 and is followed by the appendices.

For other specific information contact us at CBS or visit www.cbs.aw.

Contact information:

Central Bureau of Statistics L.G. Smith Boulevard 160 Oranjestad - Aruba

Phone: 524-7436 Fax: 583-8057

E-mail: LdSilva@cbs.aw



Consumer Price Index Aruba Monthly change December 2023

1 Monthly change of the CPI

1.1 CPI and Inflation

The CPI of the total population of Aruba for the month of December 2023 is 108.79; an increase of 0.4% compared to the CPI of November 2023 (108.34). An overview of the percentage change in the CPI (Δ CPI) for different periods during 2022 and 2023 is shown in Table 1. The terms percentage change in the CPI and "inflation" (deflation) are considered similar and are used interchangeably. The inflation over the last 12 months (end of period inflation) is 2.3%, while the inflation over a period of 24 months (period average inflation) is 3.4%.

Table 1: Overview of ∆ CPI

		% Changes		Changes In	
Period		2022 2023 Last		Current	
Monthly	Nov - Dec	-0.1	0.4	108.34	108.79
Year-to-date	Dec - Dec	5.7	2.3	108.79	108.79
Last 12 months ¹	Dec - Dec	5.7	2.3	108.79	108.79
Last 24 months ²	Dec - Dec	5.5	3.4	103.84	107.34

Source: Central Bureau of Statistics Aruba

Figure 1 depicts the monthly Δ CPI over a period of one year starting from December 2022, whereas the Δ CPI for the month December for the years 2014 to 2023 is illustrated in Figure 2.

1.2 Changes in sector

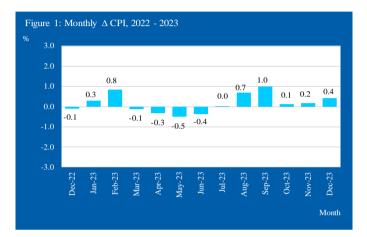
Figure 3 provides an overview of the percentage changes for the indices per sector for December 2023. The percentage change in index is further denoted as Δ I. The largest Δ I is observed for the "Recreation and culture" sector with an increase of 4.3%.

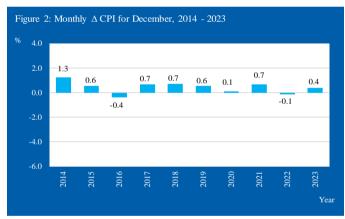
1.3 Changes in categories and subcategories

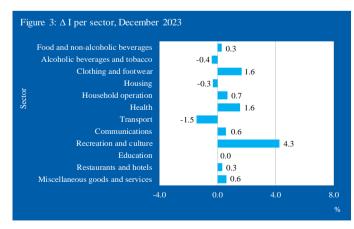
The largest positive and negative Δ I is seen in the categories "Telephone and telefax equipment" (19.1%) and "Health products and services n.e.c." (-11.5%). In the "Food and non-alcoholic beverages" sector increases of 0.3% were observed for the categories "Food" and "Non-alcoholic beverages". In the "Housing" sector the major Δ I is observed for the category "Maintenance and repair of the dwelling" (-1.6%). In the "Transport" sector the major Δ I is observed for the category "Transport services" (10.5%). In the "Recreation and culture" sector the major Δ I is observed for the category "Holidays" $(13.8\%)^{1}$.

The categories which influenced the CPI calculation the most are "Holidays", "Operation of personal transport equipment" and "Household appliances" which had an effect of respectively, 0.34,

-0.24 and 0.22 ppts on the Δ CPI. Reference is made to tables 16 and 17 in Appendices 1 and 2. Table 16 provides an overview of the indices for the months December 2022, December 2022, November 2023 and December 2023 together with corresponding weights per sector and the monthly, year-to-date (ytd), end of period and period average percentage changes for December 2023. In table 17 an overview of the effect on the monthly, year-to-date (ytd), end of period and period average CPI per sector and category for December 2023 is presented. The course of indices for 2011 – up to December 2023 is illustrated in Appendix 5.







¹ The focus is on the four major sectors which are: Housing, Transport, Food and nonalcoholic beverages and Recreation and culture. Together these sectors form 59% of the total weight of the basket of goods and services.

¹ End of period inflation

² Period average inflation

Consumer Price Index Aruba End of period change December 2023

2 End of period change of the CPI

2.1 End of period change CPI for December 2023

The CPI increased from 106.37 in December 2022 to 108.79 in December 2023, an increase of 2.3%. This Δ CPI is the second lowest registered over a period of 6 years for the month December, and is 3.4 ppts lower than the Δ CPI registered in 2022 (5.7%) (see table 2).

Table 2: End of period Δ CPI for December, 2018 - 2023

Period	Δ CPI	Index
2017-2018	4.5	96.67
2018-2019	3.6	100.13
2019-2020	-3.1	97.06
2020-2021	3.6	100.60
2021-2022	5.7	106.37
2022-2023	2.3	108.79

Source: Central Bureau of Statistics Aruba

2.2 Changes in sector

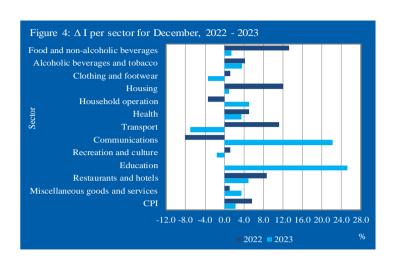
An overview of the percentage change and effect per sector over the period December 2022 - December 2023 is presented in table 3. The largest Δ I is observed for the sector "Education" with an increase of 25.2%. Furthermore, (remarkable) increases of 22.2%, 5.1%, 5.0% and 3.6% are observed for the "Communications", "Household operation", "Restaurants and hotels" and "Alcoholic beverages and tobacco" sectors, respectively. A comparison of the Δ I's for the years 2022 and 2023 is provided in figure 4.

Table 3: Percentage change and effect for December, 2022 - 2023

Sector	% Change	Effect
Food and non-alcoholic beverages	1.5	0.17
Alcoholic beverages and tobacco	3.6	0.03
Clothing and footwear	-3.4	-0.08
Housing	1.0	0.25
Household operation	5.1	0.44
Health	3.5	0.07
Transport	-7.0	-0.96
Communications	22.2	1.62
Recreation and culture	-1.6	-0.15
Education	25.2	0.24
Restaurants and hotels	5.0	0.23
Miscellaneous goods and services	3.5	0.41
СРІ	2.3	2.27
Source: Central Bureau of Statistics Aruba	1	

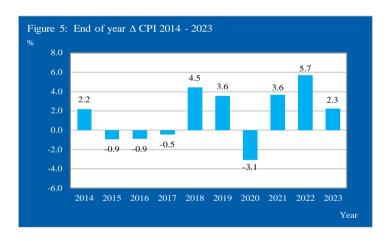
2.3 Changes in categories

The largest positive and negative Δ I in categories observed over a period of one year are respectively, "Pre-primary and primary education" (42.9%) and "Accommodation services" (-45.9%). For an overview of the end of period percentage changes per category refer to table 16 in Appendix 1.



2.4 End of year change CPI 2014 - 2023

The end of year Δ CPI for the period 2014 - 2023 is shown in figure 5. The Δ CPI for 2023 is calculated by comparing the CPI of December 2023 with the CPI of December 2022. The end of year Δ CPI for December 2023 is 2.3%.



2.5 Period average change CPI for December 2023

The period average change CPI (Δ ACPI) for December 2023 is 3.4%. Table 4 provides an overview of the Δ ACPI for the month December for the years 2019 to 2023. The Δ ACPI for 2023 decreased by 2.1 ppts compared to 2022 (5.5%).

Table 4: Overview of Δ ACPI for December, 2019 - 2023

Δ ΑСΡΙ	Index
3.9	98.99
-1.3	97.69
0.7	98.41
5.5	103.84
3.4	107.34
	3.9 -1.3 0.7 5.5

3 Development of indices of main sectors and utilities

3.1 Indices main sectors

The four major sectors, "Housing", "Transport", "Food and nonalcoholic beverages" and "Recreation and culture", constitute 58% of the total weight of the basket of goods and services, which are observed on a monthly basis. An overview of the course of indices for 2010 - up to December 2023 per sector and for the CPI is provided in figures 9-1 to 9-12 in Appendix 5.

Changes in the indices of the sectors "Housing" and "Transport" are mainly the result of changes in the international oil prices and prices of utilities during the respective months. The development of crude oil, fuel surcharge, electricity, water, gasoline and diesel prices is provided in table 5 and in the adjoining figures 6-1 and

Table 5: Prices of utilities, gasoline and diesel, 2022 - 2023

	Crude oil	Total	Total energy charge ²				
Month	per barrel ¹	≤ 500 kWh	501-1000 kWh	Electricity ³	Water ⁴	Gasoline ⁵	Diesel ⁵
Dec-22	76.80	38.53	39.65	294.56	168.73	251.40	261.00
Jan-23	78.01	38.53	39.65	294.56	168.73	243.80	246.60
Feb-23	76.99	38.53	39.65	294.56	168.73	262.50	260.30
Mar-23	73.51	38.53	39.65	294.56	168.73	257.60	234.80
Apr-23	79.51	38.53	39.65	294.56	168.73	262.40	231.50
May-23	71.86	35.80	36.84	274.57	168.73	266.70	221.50
Jun-23	70.12	35.80	36.84	274.57	168.73	255.90	209.10
Jul-23	75.57	35.80	36.84	274.57	168.73	256.40	212.50
Aug-23	81.34	35.80	36.84	274.57	168.73	268.80	225.60
Sep-23	88.11	35.80	36.84	274.57	168.73	283.70	251.70
Oct-23	85.94	35.80	36.84	274.57	168.73	277.90	260.80
Nov-23	78.48	35.80	36.84	274.57	168.73	248.60	247.80
Dec-23	72.61	35.80	36.84	274.57	168.73	237.70	227.20

Source: Central Bureau of Statistics Aruba

3.2 Electricity

The price of electricity is determined in Aruban florins (Afl.) for an average usage by households. The average usage is 725.5 kWh per month. The electricity price for an average consumption of 725.5 kWh did not change in December 2023, it remained at Afl. 274.57. Figure 6-1 provides an overview of the course of changes in the electricity price for the period 2015 to 2023.

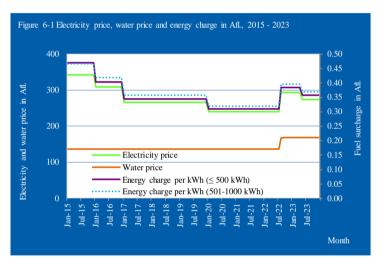
The total energy charge per kWh for a usage of electricity up to 500 kWh did not change in December 2023, it stayed at Afl. 35.80 cents per kWh. The total energy charge per kWh for a usage of electricity between 501 - 1000 kWh did not change in December 2023, it stayed at Afl. 36.84 cents per kWh.

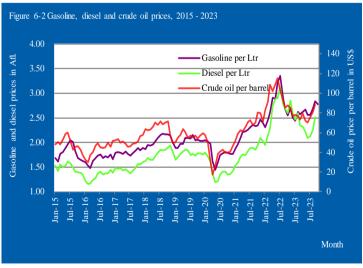
3.3 Water

The price of water is determined in Afl. for an average usage (water consumption) by households. Figure 6-1 provides an overview of the course of changes in the water price for the period 2015 to 2023. The water price for an average usage by households did not change in December 2023, it remained at Afl. 168.73.

3.4 Gasoline and Diesel

The retail price of gasoline decreased by 4.4% from 248.6 cents per liter in November 2023 to 237.7 cents per liter in December 2023. In December 2023, the retail price of diesel registered a decrease of 8.3% from 247.8 cents per liter in November 2023 to 227.2 cents per liter in December 2023.





¹ Average West Texas Intermediate (WTI) crude oil price per barrel in USS (Source: U.S. Energy Information Administration)

² Total energy charge in Afl. cents per kWh

³ Electricty price in Afl.

⁴ Water price in Afl.

⁵ Gasoline and diesel prices in Afl. cents per liter

4 Percentage change CPI of Aruba's major trading partners

4.1 Comparison of the CPI of Aruba and the USA

Table 6 provides an overview of the Δ CPI of Aruba's major trading partners starting from December 2022. In December 2023 the \triangle CPI of the USA and the Netherlands were -0.1% and 0.0%, respectively. The Δ CPI of Curação for December 2023 is not yet available.

Table 6: Monthly Δ CPI 2022 - 2023 per Country

Period	Aruba	USA	Curaçao	Netherlands
Dec-22	-0.1	-0.3	0.6	0.5
Jan-23	0.3	0.8	-1.8	-1.4
Feb-23	0.8	0.6	0.3	1.0
Mar-23	-0.1	0.3	0.1	0.2
Apr-23	-0.3	0.5	0.3	1.0
May-23	-0.5	0.3	0.3	0.2
Jun-23	-0.4	0.3	0.2	-0.3
Jul-23	0.0	0.2	0.3	1.0
Aug-23	0.7	0.4	0.4	0.4
Sep-23	1.0	0.2	0.9	-0.4
Oct-23	0.1	0.0	1.2	0.4
Nov-23	0.2	-0.2	n.a.	-1.0
Dec-23	0.4	-0.1	n.a.	0.0

Source: CBS Aruba, Bureau of Labor Statistics (USA),

CBS Curação and CBS Netherlands

The USA is considered Aruba's largest trading partner². Table 7 provides an overview of the Δ CPI for Aruba and the USA in December 2023. Aruba's monthly Δ CPI for December 2023 is 0.5 ppts higher than the Δ CPI of the USA.

Table 7: Overview of Δ CPI, 2023

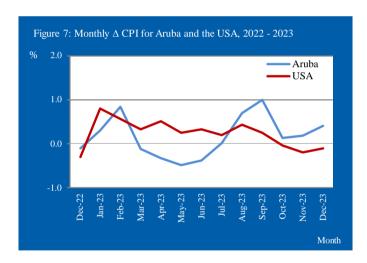
Period		Aruba	USA
Monthly	Nov - Dec	0.4	-0.1
Year-to-date	Nov - Dec	2.3	3.4
Last 12 months ¹	Nov - Dec	2.3	3.4
Last 24 months ²	Nov - Dec	3.4	4.1

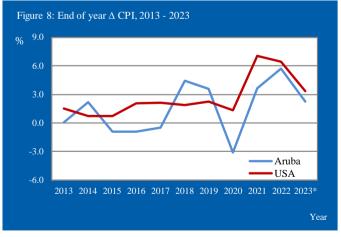
Source: Central Bureau of Statistics Aruba

The Δ CPI of Aruba over the last 12 months is 1.1 ppts lower than the USA's 12-month Δ CPI. The Δ CPI over the last 24 months for Aruba is 0.7 ppts lower than the Δ CPI of the USA. The monthly inflation for both Aruba and the USA is depicted in figure 7 over a period of one year. Furthermore, an overview of the end of year Δ CPI over the period 2013 - 2023 for Aruba and the USA is provided in table 8 and figure 8.

Table 8: End of year Δ CPI, 2013 - 2023

Period	Aruba	USA
2013	0.1	1.5
2014	2.2	0.8
2015	-0.9	0.7
2016	-0.9	2.1
2017	-0.5	2.1
2018	4.5	1.9
2019	3.6	2.3
2020	-3.1	1.4
2021	3.6	7.0
2022	5.7	6.5
2023	2.3	3.4





End of period inflation

² Period average inflation

 $^{^{2}\,}$ In 2022, 50% of Aruba's import by sea and air originated from the USA" (Source: Foreign Trade Statistics Report, 2018-2022).

5 Core inflation

5.1 Core inflation

Core inflation is a measure of inflation which excludes certain items that face volatile price movements e.g. food products and energy. By calculating the core inflation these more volatile components are eliminated from the inflation. Core inflation indices serve to assess the mid- and long-term trend of the overall price level. For the purpose of adjusting monetary policy, many economists focus more intently on the core rate of inflation, as this allows for an in-depth assessment of inflationary processes ongoing in the economy.

5.2 Monthly change of the core inflation

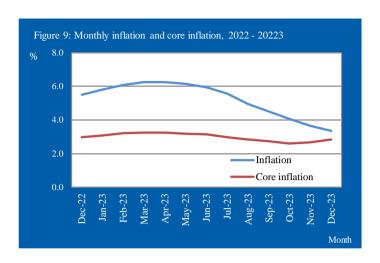
In December 2023 the core inflation (measured over the period December 2022 - 2023) was 2.9%. In December 2023 the food index was 6.3%, while the energy index shows an increase of 3.8%.

Table 9: Monthly inflation and core inflation, 2022 - 2023

				Core
Period	Inflation	Food	Energy ²	Inflation
Dec-22	5.5	10.5	14.2	3.0
Jan-23	5.8	11.1	15.1	3.1
Feb-23	6.1	11.6	16.0	3.2
Mar-23	6.2	11.9	16.5	3.3
Apr-23	6.3	11.9	16.5	3.3
May-23	6.1	11.7	16.3	3.2
Jun-23	5.9	11.2	15.3	3.2
Jul-23	5.6	10.6	14.0	3.0
Aug-23	4.9	9.9	11.3	2.8
Sep-23	4.5	9.2	9.3	2.7
Oct-23	4.1	8.4	7.7	2.6
Nov-23	3.7	7.4	5.6	2.7
Dec-23	3.4	6.3	3.8	2.9

Source: Central Bureau of Statistics Aruba

The monthly inflation and core inflation for Aruba is shown in figure 9 over a period of one year starting from December 2022.



5.3 End of year change of the core inflation, 2018 - 2023

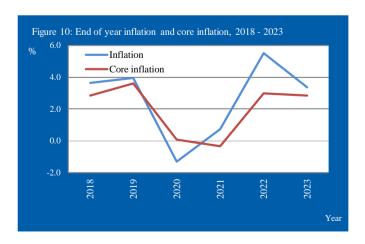
The end of year core inflation of the total population of Aruba for the year 2023 (up to December) is 2.9%, a decrease of 0.1 ppt compared to the core inflation of 2022. Table 10 provides an overview of the end of year inflation and core inflation over the period 2018 - 2023.

The end of year inflation and core inflation is presented in figure 10 over the period 2018 - 2023.

Table 10: End of year core inflation, 2018 - 2023

Period	2018	2019	2020	2021	2022	2023	
Inflation	3.6	3.9	-1.3	0.7	5.5	3.4	
Food	7.3	10.5	-0.8	-0.3	10.5	6.3	
Electricity	1.7	2.1	-9.2	0.0	9.5	7.0	
Water	1.7	2.1	0.5	0.0	9.6	12.4	
Gasoline and diesel	15.8	1.0	-12.3	25.6	24.8	-6.0	
Core inflation	2.8	3.6	0.1	-0.3	3.0	2.9	
Company Control Brown of Control Control Control							

^{*}current month



¹ Period average inflation

² Energy: Electricity, water, gasoline and diesel

6 Development of Food & catering services

6.1 Monthly change of Food & catering services for December 2023

The "Food & catering services" index showed an increase of 0.3% in December 2023, after an increase of 0.1% in November 2023. The index for "Food at home" showed an increase of 0.3% in December, as seven (7) of the eleven (11) "Food at home" indices increased in December 2023. The "Vegetables" index registered the largest increase (2.5%) in December 2023. Furthermore, other increases were posted in the indices for "Milk, cheese and eggs" (1.8%), "Oils and fats" (1.1%) and "Sugar, jam, honey and other confectionery" (0.9%).

The largest decrease was registered in the index for "Potatoes and other tubers" (-2.9%) in December 2023.

The index for "Food away from home" shows an increase of 0.2% in December 2023.

Table 11 provides an overview of the corresponding weights per food group together with the percentage changes and effect for

Table 11: Percentage change of Food for December 2023

		Monthly			Yearly		
Food	Weight	% Change	Effect	% Change	Effect		
Food & catering services	1,492.8	0.3	0.043	2.8	0.458		
Food at home	1,125.3	0.3	0.034	1.5	0.170		
Bread and cereals	205.2	0.2	0.004	4.7	0.091		
Meat	229.8	-0.7	-0.019	-3.6	-0.100		
Fish and other seafood	56.4	-0.8	-0.004	-3.5	-0.018		
Milk, cheese and eggs	140.0	1.8	0.027	3.6	0.056		
Oils and fats	31.6	1.1	0.004	-1.2	-0.005		
Fruit	72.0	-0.4	-0.004	-5.0	-0.049		
Potatoes and other tubers	18.5	-2.9	-0.004	-5.7	-0.009		
Vegetables	75.7	2.5	0.020	-2.7	-0.022		
Sugar, jam, honey and other confectionery	49.6	0.9	0.005	14.2	0.063		
Food products n.e.c.	82.7	0.4	0.003	10.8	0.089		
Non-alcoholic beverages	163.9	0.3	0.004	5.6	0.028		
Food away from home	367.5	0.2	0.009	6.3	0.288		
Other goods and services	8,507.2	0.4	0.369	2.2	1.811		
Other goods	5,147.2	-0.1	-0.060	-1.0	-0.488		
Other services	3,360.0	1.2	0.429	6.4	2.299		
СРІ	10,000.0	0.4	0.412	2.3	2.270		
Source: Central Bureau of Statistics Aruba							

In December 2023, "Food at home" and "Food away from home" as a group showed an increase in price of 0.3% compared to November 2023, and had an effect of 0.04 ppts on the CPI, while the remaining goods and services, as a group, experienced an increase in price of 0.4%, causing an effect of 0.37 ppts on the

An overview of the percentage change and effect for "Food at home" and "Food away from home" for December 2023 is presented in table 12.

Table 12: Effect on the CPI of December 2023 of "Food at home" and "Food away from home"

Category	Weight	% Change	Effect						
Food at home	1,087.7	0.3	0.03						
Food away from home	429.8	0.2	0.01						
Total group	1,517.5	0.3	0.04						
Remaining goods and services	8,482.5	0.4	0.37						
CPI	10,000.0	0.4	0.41						
Source: Central Bureau of Statistics Aruba									

Figure 11 depicts the monthly Δ Food and catering services over a period of one year starting from December 2022.



6.2 End of Period change of Food & catering services for December 2023

Over the last 12 months, the "Food & catering services" increased by 2.8%. The "Food at home" index showed an increase of 1.5%, where five (5) of the "Food at home" food groups increased over the period.

The "Sugar, jam, honey and other confectionery" index increased by 14.2%, the largest increase among the "Food at home" food groups. Furthermore, other increases were posted in the indices for "Food products n.e.c." (10.8%), "Non-alcoholic beverages" (5.6%), "Bread and cereals" (4.7%), and "Milk, cheese and eggs" (3.6%). The largest decrease was registered in the index for "Potatoes and other tubers" (-5.7%) in December 2023.

The index for "Food away from home" increased by 6.3% over the last 12 months.

Table 18 provides an overview of the monthly and end of period percentage changes and effect for December 2023 for the food groups.

7 Subsistence level

7.1 Subsistence level

The subsistence level is the minimum level of income which is perceived necessary to achieve an adequate standard of living in a given country. The subsistence level is usually determined by estimating the cost of all the essential resources that an average adult consumes in one month or year. This is commonly called a basic needs index, and varies according to the price of food, clothing, housing, transport and other items in the "basket". Equivalence scales are used to adjust for the assumed standard of living, of households of different sizes and composition. The scale assigns a weight of 1.0 for the first adult and 0.5 for each additional adult in the household (aged 15+) and a weight of 0.3 for each child (aged 0-14 years). The subsistence level is based on figures of the report "Bestaansminimum 2010" published by the CBS in December 2010 and is monthly updated for inflation using the monthly CPI. The reference unit used in this report is one of a household consisting of two adults and two children (aged 0-14

7.2 Monthly change of the subsistence level for December 2023

Table 13 provides an overview of the subsistence level for a family of two adults and two children (aged 0-14 years) by sector registered over a period of 5 years for the month December. Over a period of one year the subsistence level increased by Afl. 84, from Afl. 5,376 in December 2022 to Afl. 5,460 in December 2023. The "Food and non-alcoholic beverages" (Afl. 33) and "Communications" (Afl. 31) sectors show the largest increases, over this period.

Table 13: Monthly subsistence level in Aruba (in Afl.) by sector for a family of 2 adults and 2 children (aged 0-14 years) for December, 2019 - 2023

						Change in Afl.
Sector	Dec-19	Dec-20	Dec-21	Dec-22	Dec-23	Dec-22 - Dec-23
Food and non-alcoholic beverages	1,936	1,888	1,970	2,232	2,265	33
Clothing and footwear	268	255	257	260	251	-9
Housing	1,482	1,447	1,453	1,629	1,645	16
Household operation	111	108	114	110	116	6
Health	82	81	78	82	85	3
Transport	293	265	306	341	317	-24
Communications	152	152	151	139	170	31
Recreation and culture	168	162	168	170	167	-3
Education	74	74	78	78	97	19
Miscellaneous goods and services	328	325	331	334	346	12
Total	4,895	4,757	4,907	5,376	5,460	84

An overview of the subsistence level, for the most common family types, over the period December 2022 - December 2023 is presented in table 14.

Source: Central Bureau of Statistics Aruba

Table 14: Subsistence level in Aruba (in Afl.) by family size and composition, December 2023 (Base period December 2010)

		Eq	uivalence sca	les	
	1	1.3	1.5	1.8	2.1
	1 adult	1 adult	2 adults	2 adults	2 adults
Period		+ 1 child		+ 1 child	+ 2 children
Dec-22	2,560	3,328	3,840	4,608	5,376
Jan-23	2,554	3,320	3,831	4,597	5,363
Feb-23	2,568	3,339	3,852	4,623	5,393
Mar-23	2,565	3,334	3,847	4,616	5,386
Apr-23	2,564	3,333	3,845	4,615	5,384
May-23	2,550	3,315	3,824	4,589	5,354
Jun-23	2,541	3,303	3,812	4,574	5,336
Jul-23	2,540	3,302	3,810	4,572	5,334
Aug-23	2,554	3,320	3,831	4,598	5,364
Sep-23	2,585	3,360	3,877	4,653	5,428
Oct-23	2,587	3,363	3,880	4,656	5,432
Nov-23	2,594	3,372	3,891	4,669	5,447
Dec-23	2,600	3,380	3,900	4,680	5,460

Source: Central Bureau of Statistics Aruba

7.3 Comparison of the subsistence level and minimum wage

In December 2023 the subsistence level for a single adult household is Afl. 2,600, which represents an income deficit of Afl. 707, a decrease of Afl. 38 compared to the deficit observed one year ago (Afl. 745). This deficit is the second highest registered over a period of six years for the month December.

Tabel 15: Monthly income surplus/deficit (in Afl.) for a single adult household for December, 2018 - 2023

		Minimum	
Period	1 adult	wage	Surplus/deficit
2018	2,232	1,711	-521
2019	2,331	1,762	-569
2020	2,265	1,815	-450
2021	2,337	1,815	-522
2022	2,560	1,815	-745
2023	2,600	1,893	-707



Table 16: Monthly & Yearly Changes (%) in the Consumer Price Index for December 2023, Total Population (Jun 2019 = 100)

DESCRIPTION	WEIGHT	2022	2023	2023	Monthly	Ytd	End of period	Period average
		Dec	Nov	Dec	Nov - Dec	Dec - Dec	Dec 22 - Dec 23	Dec 21/22 - Dec
	coefficient						12 months	24 month
Food and non-alcoholic beverages	1,087.7				0.3	1.5	1.5	6.6
Food			115.04		0.3	0.9	0.9	6.3
Non-alcoholic beverages	123.6	114.36	120.35	120.73	0.3	5.6	5.6	8.6
Alsohalis haverages and tahassa	70.3	106 20	110 54	110.00	0.4	2.6	2.6	4.0
Alcoholic beverages and tobacco			110.54		-0.4	3.6	3.6	4.9
Alcoholic beverages for consumption at home			108.87		-0.5	2.4	2.4	4.2
Tobacco	16.0	108.32	117.02	117.14	0.1	8.1	8.1	7.3
Clothing and footwear	276.8	95.40	90.66	92 15	1.6	-3.4	-3.4	-5.6
Clothing		98.09	92.63	93.25	0.7	-4.9	-4.9	-7.3
Footwear			84.10		5.2	2.4	2.4	0.9
rootwear	04.0	80.40	04.10	88.30	3.2	2.4	2.4	0.5
Housing	2,522.2	110 31	111 72	111 36	-0.3	1.0	1.0	6.8
Actual rentals for housing			106.79		0.1	1.5	1.5	1.5
Imputed rentals for housing			94.59		0.0	0.0	0.0	0.4
Maintenance and repair of the dwelling			122.22		-1.6	12.9	12.9	8.9
Water supply and miscellaneous services relating to the dwelling			121.83		0.0	1.0	1.0	10.7
Electricity, gas and other fuels	640.4	111.55	104.30	104.50	0.0	-6.5	-6.5	7.6
Household operation	020.2	00 17	103.53	104 24	0.7	5.1	E 1	3.8
			83.05				5.1	
Furniture, furnishings, carpets and other floor coverings Household textiles			74.42		-8.9	-7.3	-7.3	3.4
					-7.9	-9.4	-9.4	-5.2
Household appliances			102.82		9.6	12.8	12.8	2.0
Glassware, tableware and household utensils Tools and equipment for house and garden			60.10 149.43		1.4	-22.6	-22.6	-15.2
					-6.1	7.6	7.6	8.4
oods and services for routine household maintenance and cleaning	420.5	103.93	109.71	109.83	0.1	5.7	5.7	5.6
IIlik	222.4	00.03	404.04	102.40	4.6	2.5	2.5	
Health			101.81		1.6	3.5	3.5	3.7
Medical products, appliances and equipment			98.65		3.4	4.3	4.3	3.2
Out-patient services			108.02		-0.2	2.4	2.4	4.9
Other treatments			100.71		0.0	1.5	1.5	3.0
Health products and services n.e.c.	10.5	104.45	117.36	103.87	-11.5	-0.5	-0.5	4.0
Transmost	1 257 4	117.02	110 40	100 06	1.5	7.0	7.0	1.7
Transport	1,257.4				-1.5	-7.0	-7.0 16.3	-1.7
Purchase of vehicles			100.24		0.2	-16.3	-16.3	-0.3
Operation of personal transport equipment			118.37		-2.8	-1.2	-1.2	-1.5
Transport services	51.5	101.58	81.66	90.26	10.5	-11.2	-11.2	-16.0
Communications	849.6	91 24	110.87	111 53	0.6	22.2	22.2	3.2
Telephone and telefax equipment			66.28		19.1	10.4	10.4	-0.1
Telephone and telefax services			113.30		0.0	22.7	22.7	3.3
relephone and telerax services	803.8	32.31	113.30	113.30	0.0	22.7	22.7	3.3
Recreation and culture	1 013 3	101 62	95.92	100.02	4.3	-1.6	-1.6	-1.9
Audio-visual, photographic and information processing equipment			72.44		-1.7	-21.7	-21.7	-18.6
Other major durables for recreation and culture			84.82					
Other recreational items and equipment; gardens and pets			110.06		11.0 1.2	10.1 1.4	10.1 1.4	-6.3 4.5
Recreational and cultural services Newspapers, books and stationery		102.19	92.78		0.4 -2.3	-0.1 6.5	-0.1 6.5	0.2 8.1
			83.78					
Holidays	315.4	99.36	83.78	95.35	13.8	-4.0	-4.0	-8.1
Education	00.0	104 70	424.22	424.22		25.2	25.2	40.2
Education			131.23		0.0	25.2	25.2	10.2
Pre primary and primary education			142.86		0.0	42.9	42.9	17.9
Secondary education			145.73		0.0	32.0	32.0	12.3
Post-secondary non-tertiary education			100.00		0.0	0.0	0.0	0.0
Tertiary education			100.00		0.0	0.0	0.0	0.0
Education not definable by level	2.5	106.67	120.00	120.00	0.0	12.5	12.5	12.5
<u> </u>		442 =:	446 ==	440	0.5			
Restaurants and hotels			118.76		0.3	5.0	5.0	7.5
Catering services			120.72		0.2	6.3	6.3	7.6
Accommodation services	12.2	102.82	49.59	55.62	12.1	-45.9	-45.9	1.1
Miscellaneous goods and services	1,222.6				0.6	3.5	3.5	2.8
Personal care			104.41		0.7	5.5	5.5	4.6
Personal effects n.e.c.			104.45		4.0	12.5	12.5	7.8
Social protection			133.33		0.0	5.3	5.3	5.3
Insurance	610.7	100.14	100.46	100.46	0.0	0.3	0.3	0.2
	10,000.0				0.4			3.4



Table 17: Monthly & Yearly Effect on the Consumer Price Index per sector and category for December 2023 (Jun 2019 = 100)

	er Price Index per sector and category for December 2023 (Jun 2019 = 100)								
DESCRIPTION	WEIGHT	Monthly	Ytd	End of period	Period average				
	coefficient	Nov - Dec	Dec - Dec	Dec 22 - Dec 23 12 months	Dec 21/22 - Dec 22/23 24 months				
	Coemicient			12 months	24 months				
Food and non-alcoholic beverages	1,087.7	0.03	0.17	0.17	0.74				
Food	964.1	0.03	0.10	0.10	0.63				
Non-alcoholic beverages	123.6	0.00	0.07	0.07	0.11				
Alcoholic beverages and tobacco	78.2	0.00	0.03	0.03	0.04				
Alcoholic beverages for consumption at home	62.2	0.00	0.01	0.01	0.03				
Tobacco	16.0	0.00	0.01	0.01	0.01				
Clothing and footwear	276.8	0.04	-0.08	-0.08	-0.14				
Clothing	212.8	0.01	-0.10	-0.10	-0.14				
Footwear	64.0	0.03	0.01	0.01	0.00				
Housing	2,522.2	-0.08	0.25	0.25	1.69				
Actual rentals for housing	666.7	0.01	0.10	0.10	0.10				
Imputed rentals for housing	34.4	0.00	0.00	0.00	0.00				
Maintenance and repair of the dwelling	517.0	-0.09	0.67	0.67	0.46				
Water supply and miscellaneous services relating to the dwelling	463.6	0.00	0.05	0.05	0.52				
Electricity, gas and other fuels	840.4	0.00	-0.57	-0.57	0.61				
Household operation Furniture, furnishings, carpets and other floor coverings	929.2 128.8	0.06 -0.09	0.44 -0.07	0.44 -0.07	0.34 0.03				
Furniture, rurnisnings, carpets and other noor coverings Household textiles									
Household appliances	58.6 246.0	-0.03 0.22	-0.04 0.30	-0.04 0.30	-0.02 0.05				
Glassware, tableware and household utensils	17.2	0.00	-0.03	-0.03	-0.02				
Tools and equipment for house and garden	58.2	-0.05	0.05	0.05	0.06				
Goods and services for routine household maintenance and cleaning	420.5	0.00	0.23	0.23	0.24				
·									
Health	223.1	0.03	0.07	0.07	0.08				
Medical products, appliances and equipment	152.3	0.05	0.06	0.06	0.04				
Out-patient services	52.4	0.00	0.01	0.01	0.03				
Other treatments	7.8	0.00	0.00	0.00	0.00				
Health products and services n.e.c.	10.5	-0.01	0.00	0.00	0.00				
Transport	1,257.4	-0.19	-0.96	-0.96	-0.24				
Purchase of vehicles Operation of personal transport equipment	442.6 763.3	0.01 -0.24	-0.81 -0.10	-0.81 -0.10	-0.02 -0.14				
Transport services	51.5	0.04	-0.10	-0.10	-0.14				
Transport Services	31.3	0.04	-0.03	-0.03	-0.08				
Communications	849.6	0.05	1.62	1.62	0.25				
Telephone and telefax equipment	43.8	0.05	0.03	0.03	0.00				
Telephone and telefax services	805.8	0.00	1.59	1.59	0.25				
Recreation and culture	1,013.3	0.38	-0.15	-0.15	-0.18				
Audio-visual, photographic and information processing equipment	58.5	-0.01	-0.11	-0.11	-0.10				
Other major durables for recreation and culture	20.0	0.02	0.02	0.02	-0.01				
Other recreational items and equipment; gardens and pets	266.6	0.03	0.04	0.04	0.12				
Recreational and cultural services	309.1	0.01 -0.01	0.00	0.00	0.01				
Newspapers, books and stationery Holidays	43.7 315.4	0.34	0.02 -0.12	0.02 -0.12	-0.23				
Holidays	313.4	0.54	0.12	0.12	0.23				
Education	98.0	0.00	0.24	0.24	0.10				
Pre primary and primary education	24.0	0.00	0.10	0.10	0.04				
Secondary education	43.4	0.00	0.14	0.14	0.06				
Post-secondary non-tertiary education	4.6	0.00	0.00	0.00	0.00				
Tertiary education	23.6	0.00	0.00	0.00	0.00				
Education not definable by level	2.5	0.00	0.00	0.00	0.00				
Restaurants and hotels	442.0	0.02	0.23	0.23	0.35				
Catering services	429.8	0.01	0.29	0.29	0.35				
Accommodation services	12.2	0.01	-0.05	-0.05	0.00				
	4	a c=							
Miscellaneous goods and services	1,222.6	0.07	0.41	0.41	0.33				
Personal care Personal effects n.e.c.	427.1 106.6	0.03 0.04	0.22 0.12	0.22 0.12	0.19 0.08				
Social protection	78.2	0.04	0.12	0.12	0.08				
Insurance	610.7	0.00	0.03	0.03	0.01				
insurance	010.7	0.00	0.02	5.52	0.01				
СРІ	10,000.0	0.41	2.27	2.27	3.37				
Source: Central Bureau of Statistics Aruba									



Table 18: Monthly & Yearly Changes (%) and effect in the Food & catering services for December 2023, Total Population (Jun 2019 = 100)

			nange		fect
CRIPTION	WEIGHT	Monthly	End of period	Monthly	End of period
	coefficient	Nov - Dec	Dec 22 - Dec 23 12 months	Nov - Dec	Dec 22 - Dec 2
d & catering services	1,517.5	0.3	2.8	0.043	0.458
ood at home	1,087.7	0.3	1.5	0.034	0.170
Bread and cereals	178.1	0.2	4.7	0.004	0.091
Rice	23.5	0.3	0.5	0.001	0.002
Bread	72.1	-0.2	3.2	-0.002	0.025
Pasta products	9.2	0.1	9.8	0.000	0.010
Other cereals and cereal products	73.3	0.6	7.6	0.004	0.054
Meat	242.5	-0.7	-3.6	-0.019	-0.100
Bovine	67.3	0.0	-1.6	0.000	-0.012
	25.5				
Swine		-1.6	-5.1	-0.004	-0.015
Poultry Other meet and meet propagations	75.7 74.0	-1.2 -0.7	-9.3 1.1	-0.009 -0.006	-0.082 0.009
Other meat and meat preparations	74.0	-0.7	1.1	-0.006	0.009
Fish and other seafood	49.0	-0.8	-3.5	-0.004	-0.018
Fish and seafood preparations	49.0	-0.8	-3.5	-0.004	-0.018
Milk, cheese and eggs	135.3	1.8	3.6	0.027	0.056
Cheese	55.4	0.2	4.9	0.001	0.029
Eggs	16.6	13.1	-16.9	0.028	-0.050
Milk	40.0	-0.3	14.9	-0.001	0.060
Other milk products	23.3	-0.4	7.2	-0.001	0.017
Oils and fats	32.2	1.1	-1.2	0.004	-0.005
Corn oil	2.8	-0.2	-1.6	0.000	-0.001
Butter and margarine	9.2	0.0	-13.8	0.000	-0.015
Other oils and fats	20.1	1.7	4.7	0.004	0.011
Fruit	97.6	-0.4	-5.0	-0.004	-0.049
Oranges	9.4	14.1	-4.7	0.016	-0.006
Bananas and plantains	19.9	-5.2	-8.2	-0.008	-0.014
Apples	9.3	-0.5	-7.8	0.000	-0.008
Avocado	5.0	9.5	-3.8	0.003	-0.002
Grapes	9.2	-2.4	15.1	-0.003	0.014
Nuts	11.9	1.2	8.4	0.001	0.009
Lemons and mandarins	6.0	-4.9	-18.9	-0.002	-0.009
Cherries and strawberries	8.8	-5.8	-19.3	-0.007	-0.027
Melons and watermelons	7.7	-6.3	-7.8	-0.004	-0.005
Papayas and pineapples	6.9	-1.9	-1.2	-0.001	-0.001
Other fruits and fruit products	3.5	2.2	-2.7	0.001	-0.001
Potatoes and other tubers	18.2	-2.9	-5.7	-0.004	-0.009
Potatoes	12.2	-4.3	-12.0	-0.004	-0.011
Other tubers	2.0	2.6	5.6	0.001	0.001
Sweet potatoes and yucca	4.0	-3.6	2.1	-0.001	0.001
Manadablas	20.4	2.5		0.000	0.022
Vegetables	89.1	2.5	-2.7	0.020	-0.022
Lettuce	6.8	5.4	-64.6	0.001	-0.049
Tomatoes	9.7	15.2	7.7	0.014	0.008
Onions and garlic	18.7	0.1	10.9	0.000	0.016
Celery and broccoli	15.3	3.2	-8.8	0.004	-0.012
Other vegetables	15.3	1.0	-5.6	0.001	-0.008
Other preserved or processed vegetables	8.4	0.3	7.5	0.000	0.006
Frozen vegetable mixtures	14.8	-0.7	11.7	-0.001	0.016
Construction become death of the			44.5	0.55-	
Sugar, jam, honey and other confectionery	42.0	0.9	14.2	0.005	0.063
Sugar	12.1	1.8	25.6	0.003	0.035
Jams and jellies	2.5	1.1	3.1	0.000	0.001
Other confectionery products	27.5	0.4	9.7	0.001	0.028
Food products n.e.c.	80.1	0.4	10.8	0.003	0.089
Other food products	80.1	0.4	10.8	0.003	0.089
Sale 1994 products	00.1	0.4	10.0	0.003	5.003
Non-alcoholic beverages	123.6	0.3	5.6	0.004	0.074
Coffee and tea	20.9	0.4	13.8	0.001	0.029
Other non-alcoholic beverages	14.6	0.0	9.2	0.000	0.013
Soft and sports drinks	31.0	-0.3	3.9	-0.001	0.014
Fruit juices	57.1	0.7	2.9	0.004	0.018
Good away from home	429.8	0.2	6.3	0.009	0.288
Food and beverage consumption away from home	429.8 429.8	0.2	6.3	0.009	0.288
er goods and services	8,482.5	0.4	2.2	0.369	1.811
Other goods	4,735.8	-0.1	-1.0	-0.060	-0.488
Other services	3,746.7	1.2	6.4	0.429	2.299
		0.4	2.3	0.412	2.270

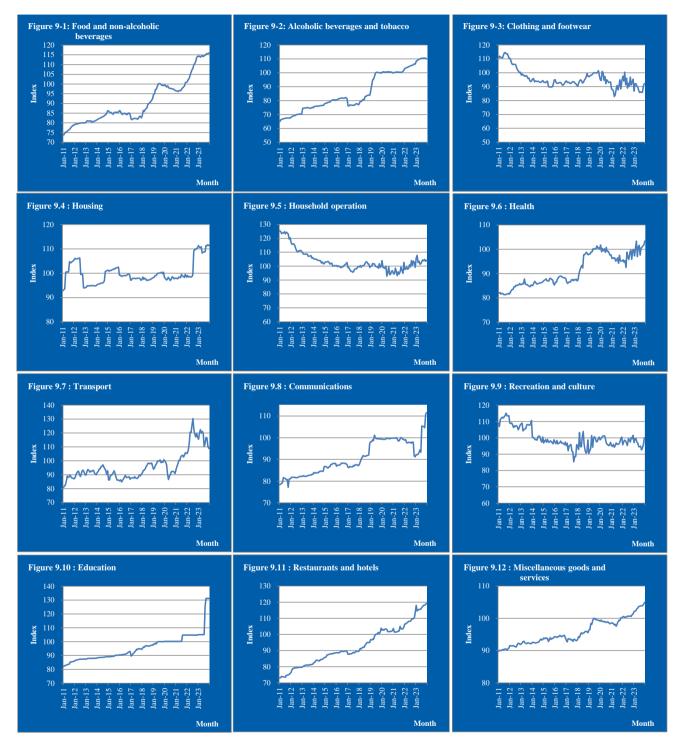
Table 19: CPI: Main indices for December 2023, Total Population (Jun 2019 = 100)

DESCRIPTION	WEIGHT	2022	2023	2023	Monthly	Ytd	End of period	Period average
		Dec	Nov	Dec	Nov - Dec	Dec - Dec	Dec 22 - Dec 23	Dec 21/22 - Dec 22/23
	coefficient						12 months	24 months
CPI for "All items"	10,000.0	106.37	108.34	108.79	0.4	2.3	2.3	3.4
CPI for "Goods"	5,823.4	108.82	108.29	108.24	0.0	-0.5	-0.5	3.8
CPI for "Durable goods"	1,294.8	104.96	103.71	105.62	1.8	0.6	0.6	1.7
CPI for "Semi-durable goods"	635.9	92.31	89.94	90.41	0.5	-2.1	-2.1	-3.2
CPI for "Non-durable goods"	3,892.8	112.80	112.81	112.02	-0.7	-0.7	-0.7	5.4
CPI for "Services"	4,176.6	102.96	108.41	109.55	1.1	6.4	6.4	2.8
CPI for "Gasoline" and "Diesel"	460.6	121.45	119.73	114.13	-4.7	-6.0	-6.0	-6.0
CPI for "Energy"	1,638.1	116.60	112.39	110.82	-1.4	-5.0	-5.0	3.8
CPI for "Food at home"	1,087.7	114.32	115.65	115.99	0.3	1.5	1.5	6.6
CPI excluding "Food and non-alcoholic beverages"	8,912.3	105.40	107.45	107.91	0.4	2.4	2.4	3.0
CPI excluding "Gasoline" and "Diesel"	9,539.4	105.64	107.79	108.53	0.7	2.7	2.7	4.0
CPI excluding "Food and non-alcoholic beverages", "Gasoline" and "Diese	8,451.7	104.53	106.78	107.57	0.7	2.9	2.9	3.6
CPI excluding "Rentals actually paid by tenants or subtenants"	9,333.3	106.45	108.45	108.92	0.4	2.3	2.3	3.5
CPI excluding "Housing"	7,477.8	105.04	107.20	107.92	0.7	2.7	2.7	2.2
CPI excluding "Gasoline", "Diesel", "Water" and "Electricity"	8,361.9	104.37	107.55	108.39	0.8	3.9	3.9	3.3

Table 20: CPI: Effect on main indices for December 2023, Total Population (Jun 2019 = 100)

DESCRIPTION	WEIGHT	Monthly	Ytd	End of period	Period average
		Nov - Dec	Dec - Dec	Dec 22 - Dec 23	Dec 21/22 - Dec 22/23
	coefficient			12 months	24 months
CPI for "All items"	10,000.0	0.41	2.27	2.27	3.37
CPI for "Goods"	5,823.4	-0.03	-0.32	-0.32	2.21
CPI for "Durable goods"	1,294.8	0.23	0.08	0.08	0.22
CPI for "Semi-durable goods"	635.9	0.03	-0.11	-0.11	-0.18
CPI for "Non-durable goods"	3,892.8	-0.28	-0.29	-0.29	2.17
CPI for "Services"	4,176.6	0.44	2.59	2.59	1.16
CPI for "Gasoline" and "Diesel"	460.6	-0.24	-0.32	-0.32	-0.36
CPI for "Energy"	1,638.1	-0.24	-0.89	-0.89	0.67
CPI for "Food at home"	1,087.7	0.03	0.10	0.10	0.63
CPI excluding "Food and non-alcoholic beverages"	8,912.3	0.38	2.10	2.10	2.62
CPI excluding "Gasoline" and "Diesel"	9,539.4	0.65	2.59	2.59	3.72
CPI excluding "Food and non-alcoholic beverages", "Gasoline" and "Diese	8,451.7	0.62	2.42	2.42	2.98
CPI excluding "Rentals actually paid by tenants or subtenants"	9,333.3	0.40	2.17	2.17	3.27
CPI excluding "Housing"	7,477.8	0.50	2.02	2.02	1.67
CPI excluding "Gasoline", "Diesel", "Water" and "Electricity"	8,361.9	0.65	3.16	3.16	2.70

Course of Indices for 2011 up to December 2023



Glossary

The Consumer Price Index and Inflation

The Consumer Price Index (CPI) measures changes in prices of consumer goods and services by households. Consumer price indices can be intended to measure either the rate of price inflation or deflation as perceived by households or changes in their cost of living. In case of inflation, the percentage change is positive and it indicates a decrease in the purchasing power of the consumers.

Monthly percentage change

Percentage change in price indices of any aggregates of the CPI in relation to the respective price indices of the previous month.

Year-to-date (ytd)

Percentage change in price indices of any aggregates of the CPI in relation to the respective price indices of December prior to the year under review.

End of period inflation (last 12 months)

Percentage change in price indices of any aggregates of the CPI in relation to the respective price indices of the same month of the previous year.

Period average inflation (last 24 months)

The period average inflation is calculated by comparing the annual average CPI of the concerning period with the annual average CPI of the concerning period of the previous year.

Effect

Contribution of all percentage changes (of all respective aggregates) to the CPI.

Core inflation

Core inflation is a measure of inflation that excludes certain items, which face volatile price movements. Core inflation eliminates the inflation of certain products that can have temporary price shocks because these shocks can diverge from the overall trend of inflation and give a false measure of inflation. The core rate of inflation is calculated by: total inflation excluding food and energy prices. In part, that is because the core is less volatile and reflects better the relationship of supply and demand in domestic product markets. The core usually is a better measure of the basic rate of inflation that will tend to emerge in the absence of supply shocks.

Food & catering services

The "Food & catering services" index is composed of the indices for the "Food & Non-alcoholic beverages" sector ("Food at home") and the "Catering services" ("Food away from home") category.

Subsistence level

The subsistence level is the minimum level of income, which is perceived necessary to achieve an adequate standard of living in a given country. The subsistence level is usually determined by estimating the cost of all the essential resources that an average adult consumes in one month or year. This is commonly called a basic needs index, and varies according to the price of food, clothing, housing, transport and other items in the "basket". The subsistence level is monthly updated for inflation using the monthly CPI.