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A note to the reader

The following report presents the price statistics for October 2021.

- 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 October 2020 were revised and corrected.
- At the end of October 2021 the Consumer Price Index (CPI) shows an increase of 0.1% compared to the end of September 2021. The sector which affected the CPI the most was "Household operation" (-2.3%), which led to an effect of -0.21 percentage points (ppts) on the Δ CPI of October 2021 (0.1%).
- Compared to October 2020 the CPI increased by 2.4%. The sector which affected the CPI the most was "Transport" (12.9%), which led to an effect of 1.55 ppts.
- The period average inflation for the period October 2020 October 2021 is -0.3%, which is 0.1 ppt lower compared to the period average inflation for the period October 2019 October 2020 (-0.2%).
- Utilities (Water and Electricity) did not register price changes in October 2021. The price of gasoline registered an increase of 0.3% in October 2021 and had an effect of 0.01 ppt on the Δ CPI of October 2021. The price of diesel registered an increase of 4.1% in October 2021 and had an effect of 0.01 ppt on the Δ CPI of October 2021.

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.

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1 Monthly change of the CPI

1.1 CPI and Inflation

The CPI of the total population of Aruba for the month of October 2021 is 99.31; an increase of 0.1% compared to the CPI of September 2021 (99.24). An overview of the percentage change in the CPI (Δ CPI) for different periods during 2020 and 2021 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 2.4%, while the deflation over a period of 24 months (period average inflation) is -0.3%.

Table 1: Overview of △ CPI

		% Changes		Ind	ex
Period		2021 2020		Current	Last
Monthly	Sep - Oct	0.1	-0.2	99.31	99.24
Year-to-date	Dec - Oct	2.3	-3.2	99.31	97.06
Last 12 months ¹	Oct - Oct	2.4	-2.8	99.31	96.97
Last 24 months ²	Oct - Oct	-0.3	-0.2	97.87	98.16

Source: Central Bureau of Statistics Aruba

Figure 1 depicts the monthly Δ CPI over a period of one year starting from October 2020, whereas the Δ CPI for the month October for the years 2012 to 2021 is illustrated in Figure 2.

1.2 Changes in sector

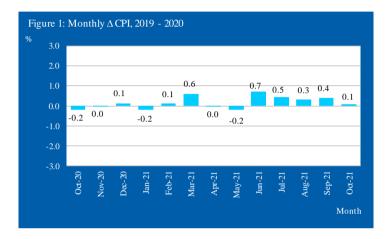
Figure 3 provides an overview of the percentage changes for the indices per sector for October 2021. The percentage change in index is further denoted as Δ I. The largest Δ I is observed for the "Clothing and footwear" sector with an increase of 4.4%.

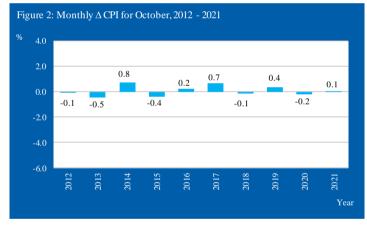
1.3 Changes in categories and subcategories

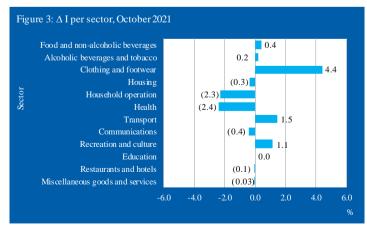
The largest positive and negative Δ I is seen in the categories "Transport services" (21.7%) and "Audio-visual, photographic and information processing equipment" (-23.0%). In the "Food and non-alcoholic beverages" sector increases of 0.4% and 0.2% are observed for the categories "Food" and "Non-alcoholic beverages", respectively. In the "Transport" sector the major Δ I is observed for the category "Transport services" (21.7%). In the "Recreation and culture" sector the major Δ I is observed for the category "Audiovisual, photographic and information processing equipment" $(-23.0\%)^{1}$.

The categories which influenced the CPI calculation the most are "Household appliances" and "Audio-visual, photographic and information processing equipment" which had an effect of respectively, 0.34, -0.15 and -0.14 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 October 2020, December 2020, September 2021 and October 2021 together with corresponding weights per sector and the monthly, year-to-date (ytd), end of period and period average percentage changes for October 2021. 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 October 2021 is presented. The course of indices for 2010 - up to October 2021 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

2 End of period change of the CPI

2.1 End of period change CPI for October 2021

The CPI increased from 96.97 in October 2020 to 99.31 in October 2021, an increase of 2.4%. This Δ CPI is the third highest registered over a period of 6 years for the month October, and is 4.2 ppts higher than the \triangle CPI registered in 2020 (-2.8%) (see table 2).

Table 2: End of period Δ CPI for October, 2016 - 2021

Period	Δ CPI	Index
2015-2016	-0.1	93.17
2016-2017	-1.2	92.05
2017-2018	3.9	95.66
2018-2019	4.3	99.80
2019-2020	-2.8	96.97
2020-2021	2.4	99.31

Source: Central Bureau of Statistics Aruba

2.2 Changes in sector

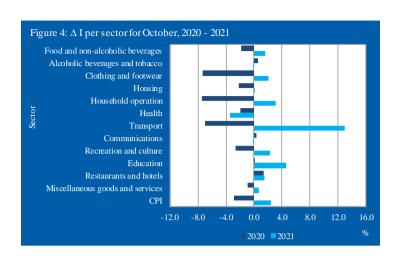
An overview of the percentage change per sector over the period October 2020 - October 2021 is presented in table 3. The largest Δ I is observed for the sector "Transport" with an increase of 12.9%. Furthermore, increases of 4.6%, 3.0% and 2.3% are observed for the "Education", "Household operation" and "Recreation and culture" sectors, respectively. A comparison of the Δ I's for the years 2020 and 2021 is provided in figure 4.

Table 3: Percentage change for October, 2020 - 2021

Sector	% Change			
Food and non-alcoholic beverages	1.6			
Alcoholic beverages and tobacco	0.0			
Clothing and footwear	2.1			
Housing	0.0			
Household operation	3.0			
Health	-3.4			
Transport	12.9			
Communications	0.0			
Recreation and culture	2.3			
Education	4.6			
Restaurants and hotels	1.5			
Miscellaneous goods and services	0.7			
СРІ	2.4			
Source: Central Bureau of Statistics Aruba				

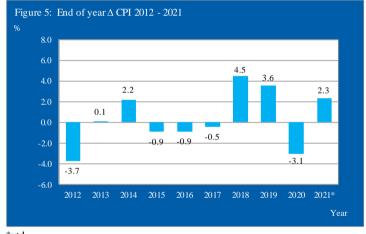
2.3 Changes in categories

The largest positive and negative Δ I in categories observed over a period of one year are respectively, "Social protection" (20.0%) and "Accommodation services" (-34.5%). 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 2012 - 2020

The end of year Δ CPI for the period 2012 - 2021 is shown in figure 5. The Δ CPI for 2021 is calculated by comparing the CPI of October 2021 with the CPI of December 2020. The ytd Δ CPI for October 2021 is 2.3%.



*vtd

2.5 Period average change CPI for October 2021

The period average change CPI (Δ ACPI) for October 2021 is -0.3%. Table 4 provides an overview of the Δ ACPI for the month October for the years 2017 to 2021. The Δ ACPI for 2021 decreased by 0.1 ppt compared to 2020 (-0.2%).

Table 4: Overview of Δ ACPI for October, 2017 - 2021

Period	Δ ΑСΡΙ	Index
2016-2017	-0.9	92.05
2017-2018	2.7	94.55
2018-2019	4.1	98.40
2019-2020	-0.2	98.16
2020-2021	-0.3	97.87

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 October 2021 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, 2020 - 2021

		Total	Total				
	Crude oil	energy charge ²	energy charge ²				
Month	per barrel ¹	≤ 500 kWh	501-1000 kWh	Electricity ³	Water ⁴	Gasoline⁵	Diesel⁵
Oct-20	39.45	31.09	31.99	240.09	137.05	178.90	135.00
Nov-20	41.07	31.09	31.99	240.09	137.05	176.80	136.10
Dec-20	46.78	31.09	31.99	240.09	137.05	176.70	142.30
Jan-21	51.23	31.09	31.99	240.09	137.05	185.90	152.40
Feb-21	59.10	31.09	31.99	240.09	137.05	196.30	158.60
Mar-21	62.62	31.09	31.99	240.09	137.05	208.78	170.90
Apr-21	61.52	31.09	31.99	240.09	137.05	221.60	175.80
May-21	65.17	31.09	31.99	240.09	137.05	222.10	174.60
Jun-21	70.97	31.09	31.99	240.09	137.05	225.80	183.00
Jul-21	72.61	31.09	31.99	240.09	137.05	230.70	188.70
Aug-21	67.62	31.09	31.99	240.09	137.05	235.70	189.30
Sep-21	70.50	31.09	31.99	240.09	137.05	233.60	185.60
Oct-21	80.49	31.09	31.99	240.09	137.05	234.20	193.20

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 October 2021, it remained at Afl. 240.09. Figure 6-1 provides an overview of the course of changes in the electricity price for the period 2013 to 2020.

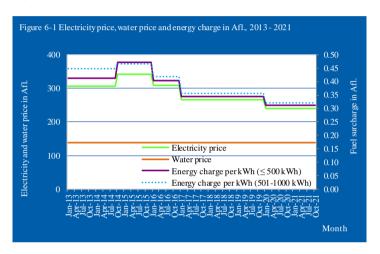
The total energy charge per kWh for a usage of electricity up to 500 kWh did not change in October 2021, it stayed at Afl. 31.09 cents per kWh. The total energy charge per kWh for a usage of electricity between 501 - 1000 kWh did not change in October 2021, it stayed at Afl. 31.99 cents per kWh.

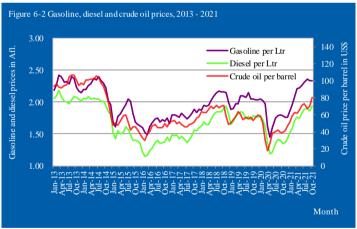
3.3 Water

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 2013 to 2020. The water price for an average usage by households did not change in October 2021, it remained at Afl. 137.05.

3.4 Gasoline and Diesel

The retail price of gasoline increased by 0.3% from 233.6 cents per liter in September 2021 to 234.2 cents per liter in October 2021. In October 2021, the retail price of diesel registered an increase of 4.1% from 185.6 cents per liter in September 2021 to 193.2 cents per liter in October 2021.





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 October 2020. In October 2021 the Δ CPI of the USA and the Netherlands were 0.8% and 1.3%, respectively. The Δ CPI of Curação for October 2021 is not yet available.

Table 6: Monthly Δ CPI 2020 - 2021 per Country

Period	Aruba	USA	Curaçao	Netherlands
Oct-20	-0.2	0.0	0.1	0.5
Nov-20	0.0	-0.1	0.0	-0.8
Dec-20	0.1	0.1	0.1	0.2
Jan-21	-0.2	0.4	0.3	-0.2
Feb-21	0.1	0.5	0.3	0.9
Mar-21	0.6	0.7	0.4	0.3
Apr-21	0.0	0.8	0.8	0.5
May-21	-0.2	0.8	0.4	0.1
Jun-21	0.7	0.9	0.1	0.2
Jul-21	0.5	0.5	0.5	0.5
Aug-21	0.3	0.2	0.5	0.4
Sep-21	0.4	0.3	n.a.	0.1
Oct-21	0.1	0.8	n.a.	1.3

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 October 2021. Aruba's monthly Δ CPI for October 2021 is 0.7 ppts lower than the Δ CPI of the USA.

Table 7: Overview of Δ CPI, 2021

Period		Aruba	USA
Monthly	Sep - Oct	0.1	0.8
Year-to-date	Dec - Oct	2.3	6.2
Last 12 months ¹	Oct - Oct	2.4	6.2
Last 24 months ²	Oct - Oct	-0.3	3.8
Last 24 months	001-001	-0.5	3.0

Source: Central Bureau of Statistics Aruba

The Δ CPI of Aruba over the last 12 months is 3.8 ppts lower compared to the USA's 12-month Δ CPI. The Δ CPI over the last 24 months for Aruba is 4.1 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 2011 - 2021 for Aruba and the USA is provided in table 8 and figure 8.

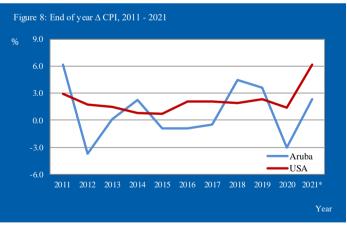
Table 8: End of year Δ CPI, 2011 - 2021

Period	Aruba	USA
2011	6.1	3.0
2012	-3.7	1.7
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*	2.3	6.2

Source: Central Bureau of Statistics Aruba

* ytd





*ytd

¹ End of period inflation

² Period average inflation

 $^{^2\,}$ "49% of Aruba's import by sea and air originates from the USA" (Source: Foreign Trade Statistics Report, 3rd Quarter 2021).

Statistics, more than just Numbers

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

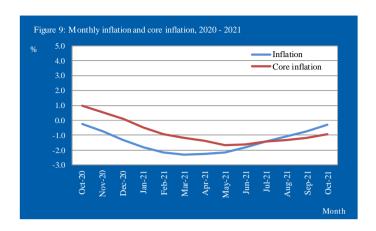
In October 2021 the core inflation (measured over the period October 2020 - 2021) was -0.9%. In October 2021 the food index was -1.4%, while the energy index shows an increase of 3.4%.

Table 9: Monthly inflation and core inflation, 2020 - 2021

				Core
Period	Inflation	Food	Energy ²	Inflation
Oct-20	-0.2	0.7	-6.2	1.0
Nov-20	-0.8	-0.1	-6.9	0.5
Dec-20	-1.3	-0.8	-7.9	0.1
Jan-21	-1.8	-1.5	-8.0	-0.5
Feb-21	-2.2	-2.0	-7.9	-0.9
Mar-21	-2.3	-2.3	-7.5	-1.2
Apr-21	-2.3	-2.6	-6.1	-1.4
May-21	-2.2	-2.6	-4.1	-1.7
Jun-21	-1.8	-2.5	-2.4	-1.6
Jul-21	-1.4	-2.3	-0.9	-1.4
Aug-21	-1.1	-2.1	0.6	-1.3
Sep-21	-0.7	-1.7	2.0	-1.2
Oct-21	-0.3	-1.4	3.4	-0.9

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 October 2020.



5.3 End of year change of the core inflation, 2016 - 2021

The end of year core inflation of the total population of Aruba for the year 2021 (up to October) is -0.9%, a decrease of 1.0 ppt compared to the core inflation of 2020. Table 10 provides an overview of the end of year inflation and core inflation over the period 2016 - 2021.

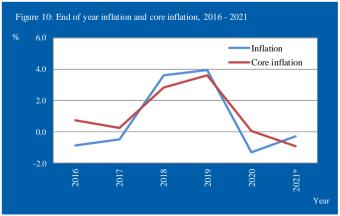
The end of year inflation and core inflation is presented in figure 10 over the period 2016 - 2021.

Table 10: End of year core inflation, 2016 - 2021

Period	2016	2017	2018	2019	2020	2021*
Inflation	-0.9	-0.5	3.6	3.9	-1.3	-0.3
Food	-0.1	0.8	7.3	10.5	-0.8	-1.4
Electricity	-9.9	-14.0	1.7	2.1	-9.2	-1.7
Water	0.0	0.0	1.7	2.1	0.5	0.0
Gasoline and diesel	-7.9	9.2	15.8	1.0	-12.3	16.3
Core inflation	0.7	0.3	2.8	3.6	0.1	-0.9

Source: Central Bureau of Statistics Aruba

Note: the figures for the years 2016-2017 are based on the weights of Dec 2006=100 * current month



Note: the figures for the years 2016-2017 are based on the weights of Dec 2006=100

5

¹ Period average inflation

² Energy: Electricity, water, gasoline and diesel

Consumer Price Index Aruba Food & catering services

6 Development of Food & catering services

6.1 Monthly change of Food & catering services for October 2021

The "Food & catering services" index showed an increase of 0.3% in October 2021, after an increase of 0.5% in September 2021. The index for "Food at home" showed an increase of 0.4% in October, as seven (7) of the eleven (11) "Food at home" indices increased in October 2021. The "Vegetables" index registered the largest increase (2.6%) in October 2021. Furthermore, increases were posted in the indices for "Potatoes and other tubers" (1.3%), "Fruit" (1.1%), "Meat" (0.7%) and "Milk, cheese and eggs" (0.4%).

The "Oils and fats" (-0.6%) index registered the largest decrease in October 2021. Furthermore, decreases were posted in the indices for "Bread and cereals" (-0.5%), "Sugar, jam, honey and other confectionery" (-0.2%) and "Food products n.e.c." (-0.2%).

Table 11 provides an overview of the corresponding weights per food group together with the percentage changes and effect for October 2021.

Table 11: Percentage change of Food for October 2021

Food	Weight	% Change	Effect
Food & catering services	1,492.8	0.3	0.040
Food at home	1,125.3	0.4	0.046
Bread and cereals	205.2	-0.5	-0.009
Meat	229.8	0.7	0.017
Fish and other seafood	56.4	0.3	0.001
Milk, cheese and eggs	140.0	0.4	0.006
Oils and fats	31.6	-0.6	-0.002
Fruit	72.0	1.1	0.010
Potatoes and other tubers	18.5	1.3	0.002
Vegetables	75.7	2.6	0.020
Sugar, jam, honey and other confectionery	49.6	-0.2	-0.001
Food products n.e.c.	82.7	-0.2	-0.001
Non-alcoholic beverages	163.9	0.2	0.003
Food away from home	367.5	-0.1	-0.006
Other goods and services	8,507.2	0.0	0.030
Other goods	5,147.2	-0.9	-0.444
Other services	3,360.0	1.3	0.474
СРІ	10,000.0	0.1	0.069

Source: Central Bureau of Statistics Aruba

In October 2021, "Food at home" and "Food away from home" as a group showed an increase in price of 0.3% compared to September 2021, and had an effect of 0.04 ppts on the CPI, while the remaining goods and services, as a group, experienced a slight increase in price of 0.03%, causing an effect of 0.03 ppts on the CPI.

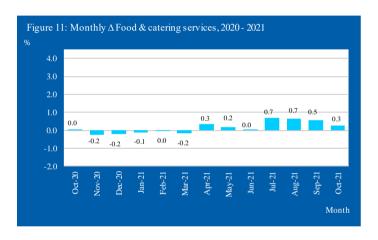
An overview of the percentage change and effect for "Food at home" and "Food away from home" for October 2021 is presented in table 12.

Table 12: Effect on the CPI of October 2021 of "Food at home" and "Food away from home"

Category	Weight	% Change	Effect
Food at home	1,087.7	0.4	0.05
Food away from home	429.8	-0.1	-0.01
Total group	1,517.5	0.3	0.04
Remaining goods and services	8,482.5	0.0	0.03
CPI	10,000.0	0.1	0.07

Source: Central Bureau of Statistics Aruba

Figure 11 depicts the monthly Δ Food and catering services over a period of one year starting from October 2020.



6.2 End of Period change of Food & catering services for October 2021

Over the last twelve (12) months, the "Food & catering services" has increased by 1.8%. The "Food at home" index showed an increase of 1.6%. The "Oils and fats" index increased by 6.3%, the largest increase among the "Food at home" food groups, while the "Vegetables" index decreased by 2.7%, the largest decrease among the "Food at home" food groups.

The index for "Food away from home" decreased by 0.1% in October 2021 and has increased by 2.3% over the last twelve (12) months.

Table 18 provides an overview of the monthly and end of period percentage changes and effect for October 2021 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 October 2021

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 October. Over a period of one year the subsistence level increased by Afl. 81, from Afl. 4,773 in October 2020 to Afl. 4,854 in October 2021. The "Transport" sector shows the largest increase (Afl. 35), over this

Table 13: Monthly subsistence level in Aruba (in Afl.) by sector for a family of 2 adults and 2 childr (aged 0-14 years) for October, 2017 - 2021

						Change in Afl.
Sector	Oct-17	Oct-18	Oct-19	Oct-20	Oct-21	Oct-20 - Oct-21
Food and non-alcoholic beverages	1,643	1,785	1,939	1,903	1,934	31
Clothing and footwear	255	266	274	254	259	5
Housing	1,422	1,424	1,483	1,451	1,451	0
Household operation	110	114	113	105	108	3
Health	73	82	83	81	78	-3
Transport	260	284	289	269	304	35
Communications	135	141	152	152	152	0
Recreation and culture	149	152	163	159	163	4
Education	71	72	74	74	78	4
Miscellaneous goods and services	311	318	328	325	328	3
Total	4,429	4,638	4,898	4,773	4,854	81

Source: Central Bureau of Statistics Aruba

An overview of the subsistence level, for the most common family types, over the period October 2020 - October 2021 is presented in table 14.

Table 14: Subsistence level in Aruba (in Afl.) by family size and composition, October 2021 (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
Oct-20	2,273	2,955	3,410	4,092	4,773
Nov-20	2,266	2,946	3,399	4,079	4,759
Dec-20	2,265	2,945	3,398	4,077	4,757
Jan-21	2,257	2,934	3,385	4,062	4,739
Feb-21	2,258	2,936	3,387	4,065	4,742
Mar-21	2,258	2,935	3,387	4,064	4,741
Apr-21	2,262	2,940	3,393	4,071	4,750
May-21	2,263	2,942	3,395	4,074	4,752
Jun-21	2,271	2,953	3,407	4,088	4,770
Jul-21	2,293	2,980	3,439	4,127	4,815
Aug-21	2,294	2,982	3,441	4,129	4,817
Sep-21	2,304	2,995	3,456	4,148	4,839
Oct-21	2,311	3,005	3,467	4,161	4,854

Source: Central Bureau of Statistics Aruba

7.3 Comparison of the subsistence level and minimum wage

In October 2021 the subsistence level for a single adult household is Afl. 2,311, which represents an income deficit of Afl. 496, an increase of Afl. 38 compared to the deficit observed one year ago (Afl. 458). This deficit is the third highest registered over a period of six years for the month October.

Tabel 15: Monthly income surplus/deficit (in Afl.) for a single adult household for October, 2016 - 2021

		Minimum	
Period	1 adult	wage	Surplus/deficit
2016	2,142	1,678	-464
2017	2,109	1,711	-398
2018	2,208	1,711	-497
2019	2,332	1,762	-570
2020	2,273	1,815	-458
2021	2,311	1,815	-496



Table 16: Monthly & Yearly Changes (%) in the Consumer Price Index for October 2021, Total Population (Jun 2019 = 100)

DESCRIPTION	WEIGHT	2020	2020	2021	2021	Monthly	Ytd	End of period	Period average
	coefficient	Oct	Dec	Sep	Oct	Sep - Oct	Dec - Oct	Oct 20 - Oct 21	Oct 20 - Oct 21
Food and non-alcoholic beverages Food	1,087.7	97.44 97.06	96.70 96.26	98.60 98.28	99.01 98.72	0.4 0.4	2.4 2.6	1.6 1.7	- 1.3 -1.4
Non-alcoholic beverages				101.06		0.4	1.1	0.9	-0.1
Non aconone severages	125.0	100.43	100.10	101.00	101.23	0.2	1.1	0.5	0.1
Alcoholic beverages and tobacco	78.2	100.59	99.87	100.34	100.56	0.2	0.7	0.0	-0.1
Alcoholic beverages for consumption at home		99.37	98.46	98.60	98.96	0.4	0.5	-0.4	-0.6
Tobacco			105.36	107.08	106.74	-0.3	1.3	1.3	1.7
Clothing and footwear	276.8	92.99	93.45	90.92	94.93	4.4	1.6	2.1	-7.5
Clothing	212.8	92.33	94.23	93.17	96.78	3.9	2.7	4.8	-5.4
Footwear	64.0	95.22	90.85	83.44	88.77	6.4	-2.3	-6.8	-14.2
Housing	2,522.2	98.27	97.98	98.61	98.27	-0.3	0.3	0.0	0.1
Actual rentals for housing	666.7	102.00	102.26	103.40	103.53	0.1	1.2	1.5	1.5
Imputed rentals for housing	34.4	98.60	98.52	98.25	96.66	-1.6	-1.9	-2.0	-1.9
Maintenance and repair of the dwelling				102.81		-1.7	-0.1	-1.8	1.0
Water supply and miscellaneous services relating to the dwelling				101.35		0.0	0.0	0.0	0.1
Electricity, gas and other fuels	840.4	90.72	90.72	90.72	90.72	0.0	0.0	0.0	-1.7
Household operation		94.20	96.66	99.33	97.07	-2.3	0.4	3.0	-1.9
Furniture, furnishings, carpets and other floor coverings		75.36	78.66	79.52	74.38	-6.5	-5.5	-1.3	-13.0
Household textiles		84.00	83.92	80.02	79.97	-0.1	-4.7	-4.8	-11.7
Household appliances		89.34		106.23		-5.9	2.5	11.9	-0.9
Glassware, tableware and household utensils		97.54		73.68	74.04	0.5	-14.2	-24.1	-15.6
Tools and equipment for house and garden Goods and services for routine household maintenance and cleaning				124.80 101.59		-0.4	8.5	10.4	11.5
Goods and services for routine nousehold maintenance and cleaning	420.5	101.56	101.40	101.59	101.87	0.3	0.5	0.3	0.3
Health	222.1	98.53	97.76	97.54	95.19	-2.4	-2.6	-3.4	-3.6
Medical products, appliances and equipment		97.60	96.41	97.68	94.01	-3.8	-2.5	-3.7	-4.4
Out-patient services		99.98	98.12		95.56	0.0	-2.6	-4.4	-3.9
Other treatments		97.83	96.49	92.35	92.34	0.0	-4.3	-5.6	-5.2
Health products and services n.e.c.				109.03		3.4	-3.3	7.0	10.0
readily products and services meter.	10.5	105.50	110.50	103.03	112.03	5	5.5	7.0	10.0
Transport	1,257.4	92.32	90.90	102.74	104.24	1.5	14.7	12.9	5.4
Purchase of vehicles		94.81	94.83		98.30	1.1	3.7	3.7	-0.3
Operation of personal transport equipment		91.02		107.43		0.6	20.6	18.8	9.4
Transport services	51.5	90.25	75.35	80.39	97.87	21.7	29.9	8.4	-1.8
Communications	849.6	99.74	99.80	100.14	99.72	-0.4	-0.1	0.0	0.1
Telephone and telefax equipment	43.8	94.98	93.97	100.44	92.42	-8.0	-1.6	-2.7	-0.3
Telephone and telefax services	805.8	100.00	100.12	100.12	100.12	0.0	0.0	0.1	0.1
Recreation and culture	1,013.3	95.23	97.20	96.33	97.43	1.1	0.2	2.3	-3.1
Audio-visual, photographic and information processing equipment	58.5	81.63	87.99	105.21	81.02	-23.0	-7.9	-0.8	2.7
Other major durables for recreation and culture	20.0	97.22	94.07	109.88	89.25	-18.8	-5.1	-8.2	-3.8
Other recreational items and equipment; gardens and pets	266.6	102.81	99.29	101.95	99.19	-2.7	-0.1	-3.5	-3.4
Recreational and cultural services	309.1	99.78	99.65	102.53	102.53	0.0	2.9	2.8	0.8
Newspapers, books and stationery	43.7	88.13	83.52	81.49	88.04	8.0	5.4	-0.1	-9.6
Holidays	315.4	87.74	96.84	85.04	95.82	12.7	-1.1	9.2	-6.7
Education				104.79		0.0	4.6	4.6	1.2
Pre primary and primary education				100.00		0.0	0.0	0.0	0.0
Secondary education				110.44		0.0	10.4	10.4	2.6
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	106.67	106.67	106.67	0.0	0.0	0.0	1.1
Restaurants and hotels				103.45		-0.1	0.9	1.5	0.0
Catering services				104.93		-0.1	2.1	2.3	1.3
Accommodation services	12.2	82.44	93.96	51.18	53.97	5.4	-42.6	-34.5	-40.2
Advanta.	4 200 -	00.00	00.00	00.55	00.22	• •		2.7	
Miscellaneous goods and services	1,222.6		98.43	99.36	99.33	0.0	0.9	0.7	-0.6
Personal care		97.20	96.65	96.38	96.12	-0.3	-0.6	-1.1	-1.4
Personal effects n.e.c.			94.62		92.37	-4.4	-2.4	-2.5	-3.6
Social protection				113.33		5.9	20.0	20.0	3.3
Insurance	610.7	100.14	100.14	100.14	100.14	0.0	0.0	0.0	0.0
CPI	10,000.0	00.07				0.1	2.3	2.4	-0.3



Table 17: Monthly & Yearly Effect on the Consumer Price Index per sector and category for October 2021 (Jun 2019 = 100)

DESCRIPTION	WEIGHT coefficient	Monthly Sep - Oct	Ytd Dec - Oct	End of period Oct 20 - Oct 21	Period averag Oct 20 - Oct 2
Food and non-alcoholic beverages	1,087.7	0.05	0.26	0.18	-0.14
Food	964.1	0.04	0.24	0.17	-0.14
Non-alcoholic beverages	123.6	0.00	0.01	0.01	0.00
Alcoholic beverages and tobacco	78.2	0.00	0.01	0.00	0.00
Alcoholic beverages for consumption at home Tobacco	62.2 16.0	0.00 0.00	0.00 0.00	0.00	0.00 0.00
TODACCO	16.0	0.00	0.00	0.00	0.00
Clothing and footwear	276.8	0.11	0.04	0.06	-0.20
Clothing	212.8	0.08	0.06	0.10	-0.11
Footwear	64.0	0.03	-0.01	-0.04	-0.09
Housing	2,522.2	-0.09	0.08	0.00	0.02
Actual rentals for housing Imputed rentals for housing	666.7 34.4	0.01 -0.01	0.09 -0.01	0.11 -0.01	0.10 -0.01
Maintenance and repair of the dwelling	517.0	-0.01	0.00	-0.10	0.05
Water supply and miscellaneous services relating to the dwelling	463.6	0.00	0.00	0.00	0.01
Electricity, gas and other fuels	840.4	0.00	0.00	0.00	-0.13
Household operation	929.2	-0.21	0.04	0.28	-0.18
Furniture, furnishings, carpets and other floor coverings	128.8	-0.07	-0.06	-0.01	-0.15
Household textiles Household appliances	58.6 246.0	0.00 -0.15	-0.02 0.06	-0.02 0.27	-0.06 -0.02
Glassware, tableware and household utensils	17.2	0.00	-0.02	-0.04	-0.02
Tools and equipment for house and garden	58.2	0.00	0.06	0.07	0.07
Goods and services for routine household maintenance and cleaning	420.5	0.01	0.02	0.01	0.01
Health	223.1	-0.05	-0.06	-0.08	-0.08
Medical products, appliances and equipment	152.3	-0.06	-0.04	-0.06	-0.07
Out-patient services	52.4	0.00 0.00	-0.01	-0.02	-0.02 0.00
Other treatments Health products and services n.e.c.	7.8 10.5	0.00	0.00 0.00	0.00 0.01	0.00
Treating Founds and Services file.c.	10.5	0.00	0.00	0.01	0.01
Transport	1,257.4	0.19	1.73	1.55	0.65
Purchase of vehicles	442.6	0.05	0.16	0.16	-0.01
Operation of personal transport equipment	763.3	0.05	1.45	1.35	0.67
Transport services	51.5	0.09	0.12	0.04	-0.01
Communications	849.6	-0.04	-0.01	0.00	0.01
Telephone and telefax equipment	43.8	-0.04	-0.01	-0.01	0.00
Telephone and telefax services	805.8	0.00	0.00	0.01	0.01
Recreation and culture	1,013.3	0.11	0.02	0.23	-0.32
Audio-visual, photographic and information processing equipment Other major durables for recreation and culture	58.5 20.0	-0.14 -0.04	-0.04 -0.01	0.00 -0.02	0.01 -0.01
Other recreational items and equipment; gardens and pets	266.6	-0.04	0.00	-0.10	-0.01
Recreational and cultural services	309.1	0.00	0.09	0.09	0.02
Newspapers, books and stationery	43.7	0.03	0.02	0.00	-0.04
Holidays	315.4	0.34	-0.03	0.26	-0.21
Education	98.0	0.00	0.05	0.05	0.01
Pre primary and primary education	24.0	0.00	0.00	0.00	0.00
Secondary education Post-secondary non-tertiary education	43.4 4.6	0.00	0.05 0.00	0.05 0.00	0.01 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	0.00	0.04	0.07	0.00
Catering services	429.8	-0.01	0.09	0.10	0.06
Accommodation services	12.2	0.00	-0.05	-0.04	-0.06
Miscellaneous goods and services	1,222.6	0.00	0.11	0.09	-0.07
Personal care	427.1	-0.01	-0.02	-0.05	-0.07 -0.06
Personal effects n.e.c.	106.6	-0.01	-0.02	-0.03	-0.04
Social protection	78.2	0.05	0.16	0.16	0.03
Insurance	610.7	0.00	0.00	0.00	0.00
	10,000.0	0.07	2.31	2.41	-0.30



Consumer Price Index Aruba Central bureau of statistics Consumer Price Index Aruba

Table 18: Monthly & Yearly Changes (%) and effect in the Food & catering services for October 2021, Total Population (Jun 20

		% C	hange	Effect			
DESCRIPTION	WEIGHT	Monthly Sep - Oct	End of period	Monthly	End of period Oct 20 - Oct 21		
	coefficient		Oct 20 - Oct 21	Sep - Oct	•		
ood & catering services	1,517.5	0.3	1.8	0.040	0.280		
Food at home	1,087.7	0.4	1.6	0.046	0.176		
Bread and cereals	178.1	-0.5	1.3	-0.009	0.024		
Rice	23.5	-0.1	2.3	0.000	0.006		
Bread	72.1	-1.5	6.6	-0.011	0.049		
Pasta products	9.2	0.2	0.4	0.000	0.000		
Other cereals and cereal products	73.3	0.4	-4.3	0.003	-0.031		
Meat	242.5	0.7	4.0	0.017	0.097		
Bovine	67.3	1.5	3.7	0.011	0.026		
Swine	25.5	1.1	6.6	0.003	0.018		
Poultry	75.7	0.8	6.6	0.006	0.047		
Other meat and meat preparations	74.0	-0.3	0.8	-0.003	0.007		
Fish and other seafood	49.0	0.3	-0.5	0.001	-0.002		
Fish and seafood preparations	49.0	0.3	-0.5	0.001	-0.002		
Milk, cheese and eggs	135.3	0.4	1.3	0.006	0.019		
Cheese	55.4	0.1	1.9	0.001	0.011		
Eggs	16.6	2.5	3.4	0.004	0.006		
Milk	40.0	0.2	2.9	0.001	0.012		
Other milk products	23.3	0.1	-4.0	0.000	-0.010		
Oils and fats	32.2	-0.6	6.3	-0.002	0.021		
Corn oil	2.8	-0.6	13.4	0.000	0.004		
Butter and margarine	9.2	1.0	6.7	0.001	0.006		
Other oils and fats	20.1	-1.2	5.1	-0.003	0.010		
Fruit	97.6	1.1	2.2	0.010	0.021		
Oranges	9.4	0.3	-4.0	0.000	-0.005		
Bananas and plantains	19.9	5.3	3.5	0.007	0.005		
Apples	9.3	-3.3	7.0	-0.003	0.007		
Avocado	5.0	2.7	3.6	0.001	0.001		
Grapes	9.2	-3.0	3.1	-0.003	0.003		
Nuts	11.9	-0.7	-5.4	-0.001	-0.007		
Lemons and mandarins	6.0	9.2	-7.5	0.004	-0.004		
Cherries and strawberries	8.8	5.1	26.5	0.006	0.028		
Melons and watermelons	7.7	-4.8	-6.3	-0.003	-0.004		
Papayas and pineapples	6.9	0.1	0.6	0.000	0.000		
Other fruits and fruit products	3.5	4.0	-11.1	0.001	-0.004		
5	40.0						
Potatoes and other tubers	18.2	1.3	-0.2	0.002	0.000		
Potatoes Other tubers	12.2 2.0	1.7 1.0	-2.0 2.6	0.002	-0.002 0.001		
Sweet potatoes and yucca	4.0	0.2	3.2	0.000	0.001		
Vegetables	89.1	2.6	-2.7	0.020	-0.022		
Lettuce	6.8	1.6	-26.5	0.001	-0.013		
Tomatoes	9.7	5.3	11.2	0.005	0.010		
Onions and garlic	18.7	-3.4	-3.3	-0.005	-0.005		
Celery and broccoli	15.3	17.2	2.3	0.019	0.003		
Other vegetables	15.3	-0.1	-6.1	0.000	-0.009		
Other preserved or processed vegetables Frozen vegetable mixtures	8.4 14.8	0.8 0.1	0.3 -5.5	0.001 0.000	0.000 -0.008		
Trozen vegetable mixtures	14.0	0.1	-3.3	0.000	-0.008		
Sugar, jam, honey and other confectionery	42.0	-0.2	1.4	-0.001	0.006		
Sugar	12.1	0.0	5.2	0.000	0.007		
Jams and jellies	2.5	0.0	-8.7	0.000	-0.002		
Other confectionery products	27.5	-0.2	0.6	-0.001	0.002		
Food products n.e.c.	80.1	-0.2	0.4	-0.001	0.003		
Other food products	80.1	-0.2	0.4	-0.001	0.003		
Non-alcoholic beverages	123.6	0.2	0.9	0.003	0.011		
Coffee and tea	20.9	-0.1	-0.5	0.000	-0.001		
Other non-alcoholic beverages	14.6	0.0	0.5	0.000	0.001		
Soft and sports drinks	31.0	0.2	3.6	0.001	0.011		
Fruit juices	57.1	0.4	-0.1	0.002	0.000		
Food away from home	429.8	-0.1	2.3	-0.006	0.104		
Food and beverage consumption away from home	429.8	-0.1	2.3	-0.006	0.104		
Other goods and services	8,482.5	0.0	2.5	0.030	2.126		
Other goods	4,735.8	-0.9	3.0	-0.444	1.377		
Other goods Other services	4,735.8 3,746.7	1.3	2.0	0.474	0.749		
	3,, 10.,	1.0	2.0	J	5 75		
PI	10,000	0.1	2.4	0.069	2.406		



Table 19: CPI: Main indices for October 2021, Total Population (Jun 2019 = 100)

DESCRIPTION	WEIGHT	2020	2020	2021	2021	Monthly	Ytd	End of period	Period average
	coefficient	Oct	Dec	Sep	Oct	Sep - Oct	Dec - Oct	Oct 20 - Oct 21	Oct 20 - Oct 21
CPI for "All items"	10,000.0	96.97	97.06	99.24	99.31	0.1	2.3	2.4	-0.3
CPI for "Goods"	6,272.5	94.98	94.80	98.25	97.57	-0.7	2.9	2.7	-0.4
CPI for "Durable goods"	1,293.2	93.23	95.68	100.51	97.07	-3.4	1.5	4.1	-0.6
CPI for "Semi-durable goods"	954.1	94.11	92.95	91.63	92.50	0.9	-0.5	-1.7	-6.0
CPI for "Non-durable goods"	4,025.2	95.71	94.80	98.58	98.56	0.0	4.0	3.0	0.6
CPI for "Services"	3,727.5	99.74	100.22	100.61	101.72	1.1	1.5	2.0	-0.2
CPI for "Gasoline" and "Diesel"	552.3	84.61	83.89	110.82	111.36	0.5	32.7	31.6	16.3
CPI for "Food at home"	961.4	97.06	96.26	98.28	98.72	0.5	2.6	1.7	-1.4
CPI excluding "Food and non-alcoholic beverages"	8,874.7	96.91	97.11	99.32	99.34	0.0	2.3	2.5	-0.2
CPI excluding "Gasoline" and "Diesel"	9,447.7	97.57	97.70	98.68	98.72	0.0	1.1	1.2	-1.0
CPI excluding "Food and non-alcoholic beverages", "Gasoline" and "Diese	8,322.4	97.59	97.83	98.69	98.69	0.0	0.9	1.1	-1.0
CPI excluding "Rentals actually paid by tenants or subtenants"	9,145.8	96.61	96.69	98.94	99.00	0.1	2.4	2.5	-0.4
CPI excluding "Housing"	7,446.7	96.54	96.75	99.45	99.66	0.2	3.0	3.2	-0.4
CPI excluding "Gasoline", "Diesel", "Water" and "Electricity"	8,289.2	98.16	98.31	99.42	99.48	0.1	1.2	1.3	-1.0

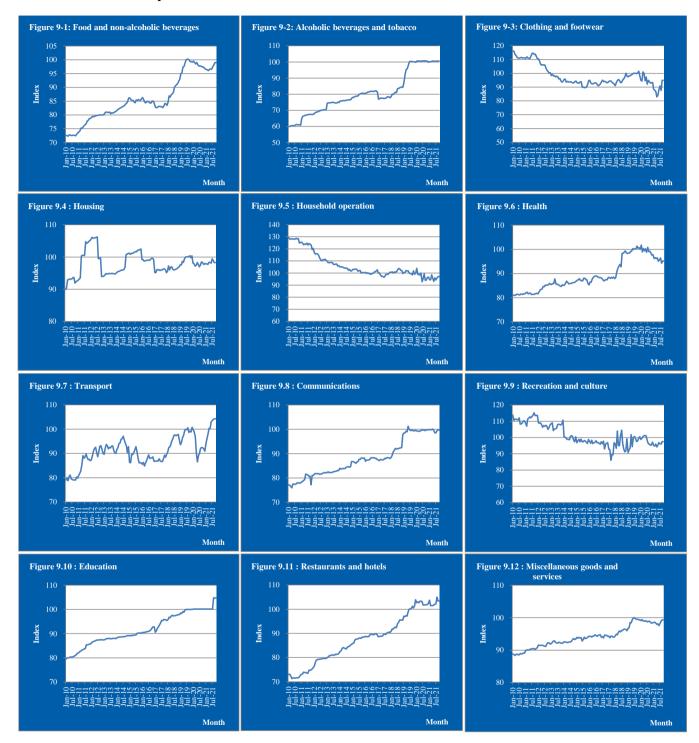
Source: Central Bureau of Statistics Aruba

APPENDIX 5

Table 20: CPI: Effect on main indices for October 2021, Total Population (Jun 2019 = 100)

DESCRIPTION	WEIGHT	Monthly	Ytd	End of period	Period average
	coefficient	Sep - Oct	Dec - Oct	Oct 20 - Oct 21	Oct 20 - Oct 21
CPI for "All items"	10,000.0	0.07	2.31	2.41	-0.30
CPI for "Goods"	6,272.5	-0.40	1.67	1.55	-0.23
CPI for "Durable goods"	1,293.2	-0.45	0.19	0.51	-0.08
CPI for "Semi-durable goods"	954.1	0.06	-0.03	-0.11	-0.38
CPI for "Non-durable goods"	4,025.2	-0.01	1.51	1.15	0.23
CPI for "Services"	3,727.5	0.47	0.65	0.85	-0.07
CPI for "Gasoline" and "Diesel"	552.3	0.03	1.30	1.27	0.66
CPI for "Food at home"	961.4	0.04	0.24	0.17	-0.14
CPI excluding "Food and non-alcoholic beverages"	8,874.7	0.02	2.05	2.23	-0.16
CPI excluding "Gasoline" and "Diesel"	9,447.7	0.04	1.01	1.14	-0.96
CPI excluding "Food and non-alcoholic beverages", "Gasoline" and "Diese	8,322.4	0.00	0.75	0.96	-0.82
CPI excluding "Rentals actually paid by tenants or subtenants"	9,145.8	0.06	2.22	2.30	-0.40
CPI excluding "Housing"	7,446.7	0.16	2.24	2.41	-0.32
CPI excluding "Gasoline", "Diesel", "Water" and "Electricity"	8,289.2	0.04	1.01	1.14	-0.83

Course of Indices for 2010 up to October 2021



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.