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A note to the reader

The following report presents the price statistics for January 2019.

- At the end of January 2019 the Consumer Price Index (CPI) shows a decrease of 0.4% compared to the end of December 2018. The sector which affected the CPI the most was “Transport” (-2.8%), which led to an effect of -0.51 percentage points (ppts) on the Δ CPI of January 2019 (-0.4%).
- Compared to January 2018 the CPI increased by 3.9%. The sector which affected the CPI the most was “Food and non-alcoholic beverages” (11.7%). Specifically, the prices of “Food” (12.3%) registered an increase and caused an effect of 1.54 ppts on the end of period inflation of January 2019 (3.9%).
- The period average inflation for the period January 2018 - January 2019 is 3.8%, which is 4.2 ppts higher compared to the period average inflation for the period January 2017 - January 2018 (-0.4%).
- Utilities (Water and Electricity) did not register price changes in January 2019. The price of gasoline decreased by 5.5% and caused an effect of -0.30 ppt. The price of diesel registered a decrease of 8.8% in January 2019 and had an effect of -0.02 ppts on the Δ CPI of January 2019 (-0.4%).

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 January 2019 is 122.49; a decrease of 0.4% compared to the CPI of December 2018 (123.01). An overview of the percentage change in the CPI (Δ CPI) for different periods during 2018 and 2019 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 3.9%, while the inflation over a period of 24 months (period average inflation) is 3.8%.

Table 1: Overview of Δ CPI

Period		% Changes		Index	
		2019	2018	Current	Last
Monthly	Dec - Jan	-0.4	0.2	122.49	123.01
Year-to-date	Dec - Jan	-0.4	0.2	122.49	123.01
Last 12 months ¹	Jan - Jan	3.9	1.1	122.49	117.89
Last 24 months ²	Jan - Jan	3.8	-0.4	121.26	116.81

Source: Central Bureau of Statistics Aruba

¹ End of period inflation

² Period average inflation

Figure 1 depicts the monthly Δ CPI over a period of one year starting from January 2018, whereas the Δ CPI for the month January for the years 2010 to 2019 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 January 2019. The percentage change in index is further denoted as Δ I. The largest Δ I is observed for the sector “Recreation and culture” with a decrease of 2.9%.

1.3 Changes in categories and subcategories

The largest positive and negative Δ I is seen in the categories “Alcoholic beverages for consumption at home” (2.9%) and “Holidays” (-34.1%). In the “Food and non-alcoholic beverages” sector an increase of 1.8% is observed for the category “Food”, while the category “Non-alcoholic beverages” registered an increase of 1.5% in January. In the “Transport” sector the major Δ I is observed for the category “Transport services” (-13.9%), mainly caused by a decrease in “Plane tickets” (-20.4%). In the “Recreation and culture” sector the major Δ I is observed for the category “Holidays” (-34.1%)¹.

The categories which influenced the CPI calculation the most are “Operation of personal transport equipment”, “Holidays” and “Food”, which had an effect of respectively, -0.32, -0.26 and 0.24 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 January 2018, December 2018 and January 2019 together with corresponding weights per sector and the monthly, year-to-date (ytd), end of period and period average percentage changes for January 2019. 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 January 2019 is presented. The course of indices for 2010 – up to January 2019 is illustrated in Appendix 5.

Figure 1: Monthly Δ CPI, 2018 - 2019

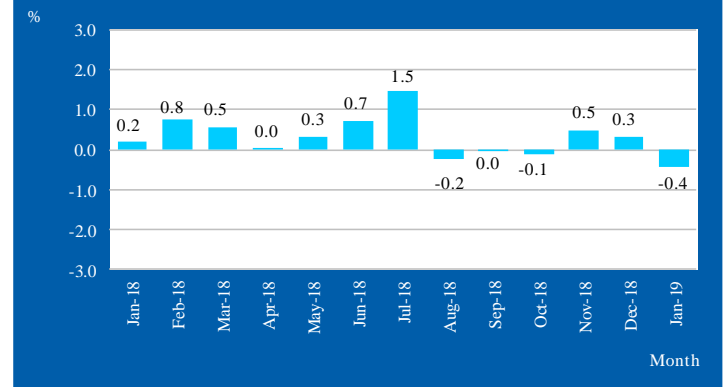


Figure 2: Monthly Δ CPI for January, 2010 - 2019

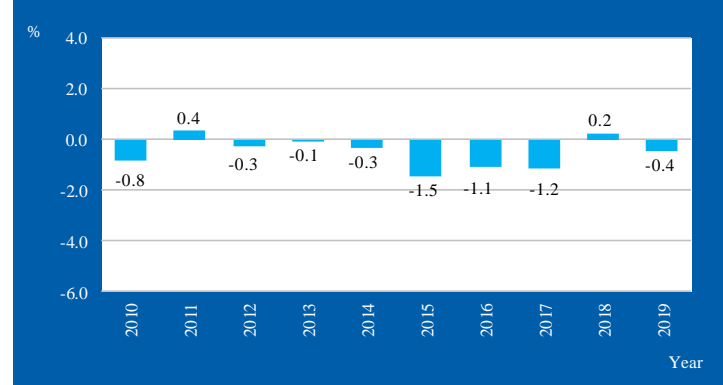
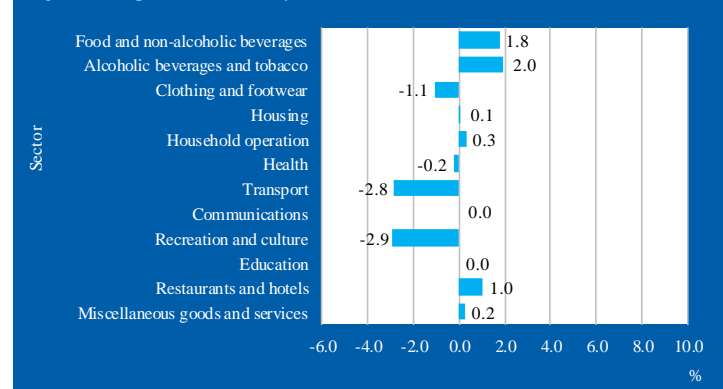


Figure 3: Δ I per sector, January 2019



¹ The focus is on the four major sectors which are: Housing, Transport, Food and non-alcoholic beverages and Recreation and culture. Together these sectors form 64% of the total weight of the basket of goods and services.

2 End of period change of the CPI

2.1 End of period change CPI for January 2019

The CPI increased from 117.89 in January 2018 to 122.49 in January 2019, an increase of 3.9%. This Δ CPI is the highest registered over a period of 5 years for the month January, and is 2.8 ppts higher than the Δ CPI registered in 2018 (1.1%) (see table 2).

Table 2: End of period Δ CPI for January, 2015 - 2019

Period	Δ CPI	Index
2014-2015	1.0	117.75
2015-2016	-0.5	117.12
2016-2017	-0.4	116.63
2017-2018	1.1	117.89
2018-2019	3.9	122.49

Source: Central Bureau of Statistics Aruba

2.2 Changes in sector

An overview of the percentage change per sector over the period January 2018 - January 2019 is presented in table 3. The largest Δ I is observed for the sector "Communications" with an increase of 12.7%. Furthermore, increases of 11.7%, 10.0% and 7.4% are observed for the "Food and non-alcoholic beverages", "Health" and "Alcoholic beverages and tobacco" sectors, respectively. A comparison of the Δ I's for the years 2018 and 2019 is provided in figure 4.

Table 3: Percentage change for January, 2018 - 2019

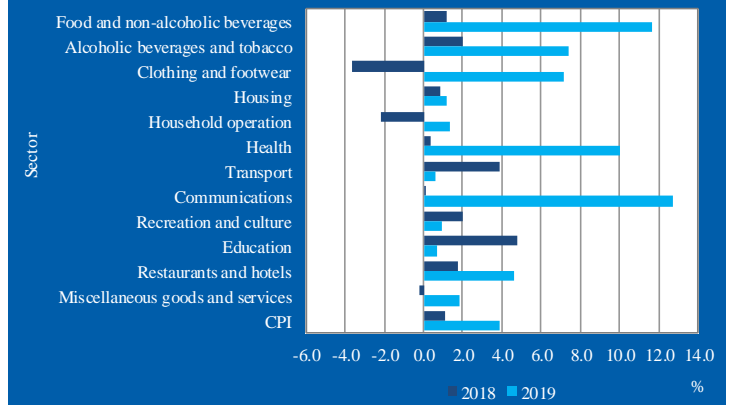
Sector	% Change
Food and non-alcoholic beverages	11.7
Alcoholic beverages and tobacco	7.4
Clothing and footwear	7.2
Housing	1.2
Household operation	1.3
Health	10.0
Transport	0.6
Communications	12.7
Recreation and culture	0.9
Education	0.7
Restaurants and hotels	4.6
Miscellaneous goods and services	1.9
CPI	3.9

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, "Out-patient services" (16.4%) and "Telephone and telefax equipment" (-29.3%). For an overview of the end of period percentage changes per category refer to table 16 in Appendix 1.

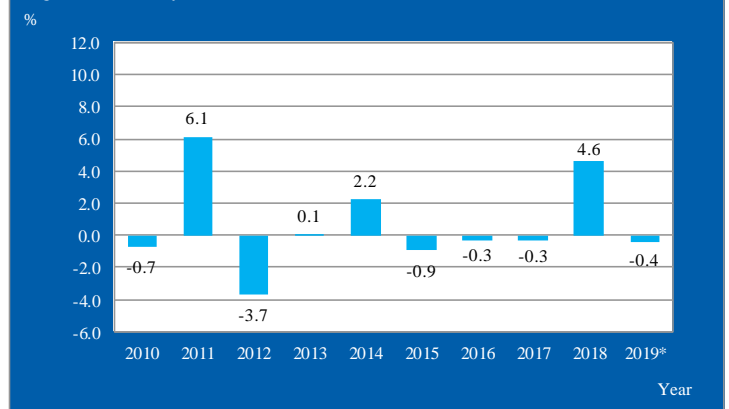
Figure 4: Δ I per sector for January, 2018 - 2019



2.4 End of year change CPI 2010 - 2019

The end of year Δ CPI for the period 2010 - 2019 is shown in figure 5. The Δ CPI for 2019 is calculated by comparing the CPI of January 2019 with the CPI of December 2018. At the end of each year, the end of year percentage change equals the ytd Δ CPI. The ytd Δ CPI for January 2019 is -0.4%.

Figure 5: End of year Δ CPI 2010 - 2019



*ytd

2.5 Period average change CPI for January 2019

The period average change CPI (Δ ACPI) for January 2019 is 3.8%. Table 4 provides an overview of the Δ ACPI for the month January for the years 2015 to 2019. The Δ ACPI for 2019 increased by 4.2 ppts compared to 2018 (-0.4%).

Table 4: Overview of Δ ACPI for January, 2015 - 2019

Period	Δ ACPI	Index
2014-2015	0.5	117.86
2015-2016	0.3	118.26
2016-2017	-0.9	117.23
2017-2018	-0.4	116.81
2018-2019	3.8	121.26

Source: Central Bureau of Statistics Aruba

3 Development of indices of main sectors and utilities

3.1 Indices main sectors

The four major sectors, “Housing”, “Transport”, “Food and non-alcoholic beverages” and “Recreation and culture”, constitute 64% 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 January 2019 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 prices of crude oil, fuel surcharge, electricity, water, gasoline and diesel prices is provided in table 5 and in the adjoining figures 6-1 and 6-2.

Table 5: Prices of utilities, gasoline and diesel, 2018 - 2019

Month	Crude oil per barrel ¹	Total energy charge ²		Electricity ³	Water ⁴	Gasoline ⁵	Diesel ⁵
		≤ 500 kWh	501-1000 kWh				
Jan-18	63.38	34.52	35.72	265.65	137.05	186.80	161.90
Feb-18	62.59	34.52	35.72	265.65	137.05	194.30	168.30
Mar-18	62.82	34.52	35.72	265.65	137.05	193.20	165.00
Apr-18	66.14	34.52	35.72	265.65	137.05	195.50	164.60
May-18	70.31	34.52	35.72	265.65	137.05	202.50	172.00
Jun-18	67.77	34.52	35.72	265.65	137.05	208.90	179.70
Jul-18	71.16	34.52	35.72	265.65	137.05	214.80	184.70
Aug-18	68.25	34.52	35.72	265.65	137.05	217.10	184.60
Sep-18	70.15	34.52	35.72	265.65	137.05	215.90	185.00
Oct-18	71.44	34.52	35.72	265.65	137.05	216.40	190.10
Nov-18	57.91	34.52	35.72	265.65	137.05	214.60	194.20
Dec-18	49.09	34.52	35.72	265.65	137.05	199.40	181.00
Jan-19	50.65	34.52	35.72	265.65	137.05	188.50	165.10

Source: Central Bureau of Statistics Aruba

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

² Total energy charge in Afl. cents per kWh

³ Electricity price in Afl.

⁴ Water price in Afl.

⁵ Gasoline and diesel prices in Afl. cents per liter

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 January 2019, it remained at Afl. 265.65. Figure 6-1 provides an overview of the course of changes in the electricity price for the period 2011 to 2018.

The total energy charge per kWh for a usage of electricity up to 500 kWh did not change in January 2019, it stayed at Afl. 34.52 cents per kWh. The total energy charge per kWh for a usage of electricity between 501 - 1000 kWh did not change in January 2019, it stayed at Afl. 35.72 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 2011 to 2018. The water price for an average usage by households did not change in January 2019, it remained at Afl. 137.05.

3.4 Gasoline and Diesel

The retail price of gasoline decreased by 5.5% from 199.4 cents per liter in December 2018 to 188.5 cents per liter in January 2019. In January 2019, the retail price of diesel registered a decrease of 8.8% from 181.0 cents per liter in December 2018 to 165.1 cents per liter in January 2019.

Figure 6-1 Electricity price, water price and energy charge in Afl., 2012 - 2019

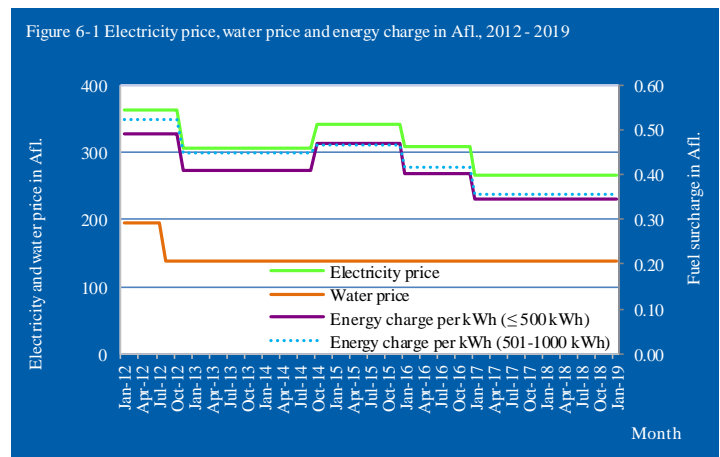
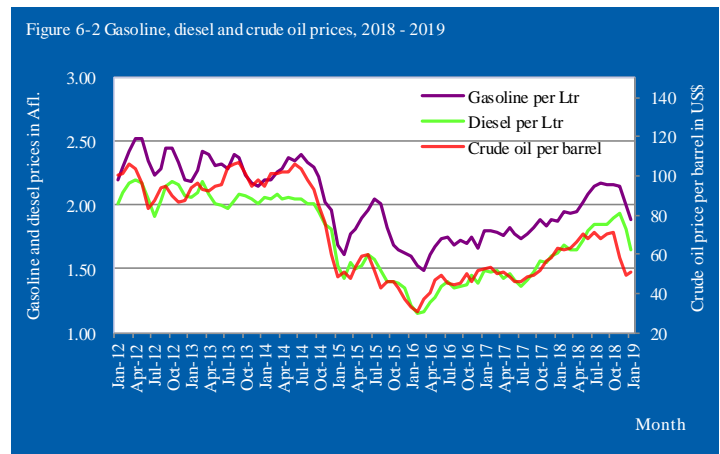


Figure 6-2 Gasoline, diesel and crude oil prices, 2018 - 2019



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 January 2018. In January 2019 the Δ CPI of the USA, Curaçao and the Netherlands were 0.2%, -0.2% and 0.1%.

Table 6: Monthly Δ CPI 2018 - 2019 per Country

Period	Aruba	USA	Curaçao	Netherlands
Jan-18	0.2	0.5	0.6	-0.1
Feb-18	0.8	0.5	0.1	0.5
Mar-18	0.5	0.2	0.4	0.2
Apr-18	0.0	0.4	0.2	0.6
May-18	0.3	0.4	-0.1	0.3
Jun-18	0.7	0.2	0.5	-0.3
Jul-18	1.5	0.0	0.4	1.1
Aug-18	-0.2	0.1	0.2	0.3
Sep-18	0.0	0.1	0.3	-0.4
Oct-18	-0.1	0.2	-0.2	0.4
Nov-18	0.5	-0.3	0.4	-0.2
Dec-18	0.3	-0.3	0.6	-0.1
Jan-19	-0.4	0.2	-0.2	0.1

Source: CBS Aruba, Bureau of Labor Statistics (USA), CBS Curaçao 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 January 2019. Aruba's monthly Δ CPI for January 2019 is 0.6 ppts lower than the Δ CPI of the USA.

Table 7: Overview of Δ CPI, 2019

Period	Aruba	USA	
Monthly	Dec - Jan	-0.4	0.2
Year-to-date	Dec - Jan	-0.4	0.2
Last 12 months ¹	Jan - Jan	3.9	1.6
Last 24 months ²	Jan - Jan	3.8	2.4

Source: Central Bureau of Statistics Aruba

¹ End of period inflation

² Period average inflation

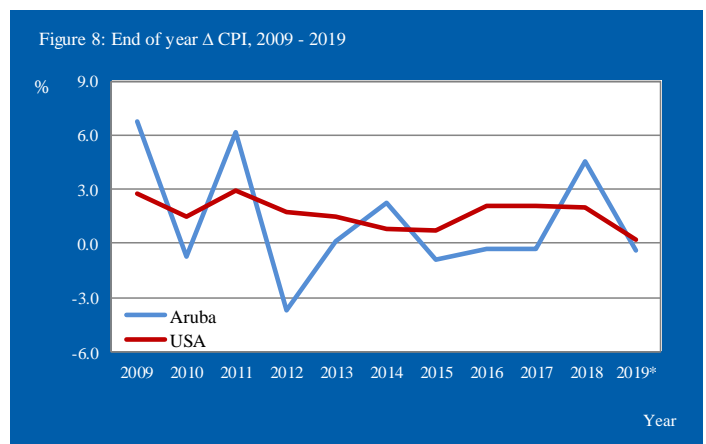
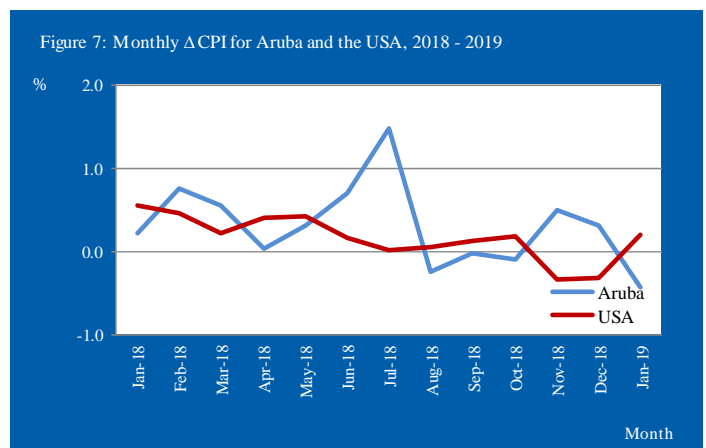
The Δ CPI of Aruba over the last 12 months is 2.3 ppts higher compared to the USA's 12-month Δ CPI. The Δ CPI over the last 24 months for Aruba is 1.4 ppts higher than the Δ CPI of the USA. The monthly inflation for both Aruba and the USA is depicted in figure 7 over a period of one year. Furthermore, an overview of the end of year Δ CPI over the period 2009 - 2019 for Aruba and the USA is provided in table 8 and figure 8.

Table 8: End of year Δ CPI, 2009 - 2019

Period	Aruba	USA
2009	6.8	2.7
2010	-0.7	1.5
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	-0.3	2.1
2017	-0.3	2.1
2018	4.6	2.0
2019*	-0.4	0.2

Source: Central Bureau of Statistics Aruba

* ytd



*ytd

² "55% of Aruba's import by sea and air originates from the USA" (Source: Foreign Trade Statistics Report, 3rd Quarter 2018).

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 January 2019 the core inflation (measured over the period January 2018 - 2019) was 2.8%, an increase of 2.5 ppts compared to January 2018. In January 2019 the food index was 8.9%, while the energy index shows an increase of 4.2%. Over the past year the food index increased by 8.1 ppts and the energy index increased by 8.0 ppts. Table 9 provides an overview of the monthly inflation and core inflation starting from January 2018.

Table 9: Monthly inflation¹ and core inflation, 2018 - 2019

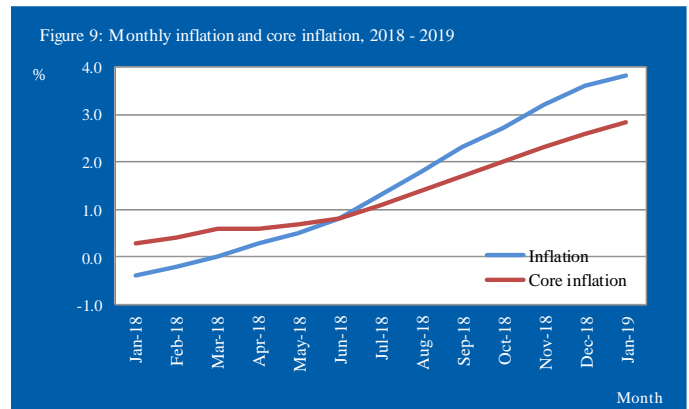
Period	Inflation	Food	Energy ²	Core Inflation
Jan-18	-0.4	0.8	-3.8	0.3
Feb-18	-0.2	1.3	-3.4	0.4
Mar-18	0.0	1.7	-3.1	0.6
Apr-18	0.3	2.2	-2.5	0.6
May-18	0.5	2.7	-1.8	0.7
Jun-18	0.8	3.3	-0.9	0.8
Jul-18	1.3	4.1	0.3	1.1
Aug-18	1.8	4.8	1.3	1.4
Sep-18	2.3	5.4	2.2	1.7
Oct-18	2.7	6.1	2.9	2.0
Nov-18	3.2	6.9	3.9	2.3
Dec-18	3.6	7.9	4.3	2.6
Jan-19	3.8	8.9	4.2	2.8

Source: Central Bureau of Statistics Aruba

¹ Period average inflation

² Energy : Electricity, water, gasoline and diesel

The monthly inflation and core inflation for Aruba is shown in figure 9 over a period of one year starting from January 2018.



5.3 End of year change of the core inflation, 2014 - 2019

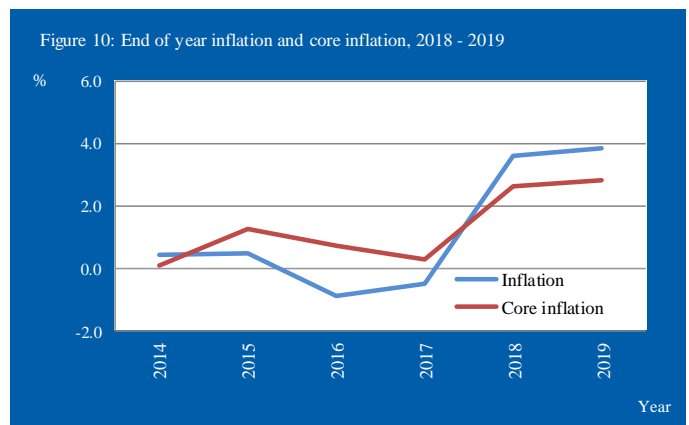
The end of year core inflation of the total population of Aruba for the year 2019 (up to January) is 2.8%, an increase of 0.2 ppts compared to the core inflation of 2018. Table 10 provides an overview of the end of year inflation and core inflation over the period 2014 - 2019.

The end of year inflation and core inflation is presented in figure 10 over the period 2014 - 2019.

Table 10: End of year core inflation, 2014 - 2019

Period	2014	2015	2016	2017	2018	2019
Inflation	0.4	0.5	-0.9	-0.5	3.6	3.8
Food	2.2	1.9	-0.1	0.8	7.9	8.9
Electricity	2.9	8.5	-9.9	-14.0	0.0	0.0
Water	0.0	0.0	0.0	0.0	0.0	0.0
Gasoline and diesel	-2.3	-20.1	-7.9	9.2	13.7	13.3
Core inflation	0.1	1.3	0.7	0.3	2.6	2.8

Source: Central Bureau of Statistics Aruba



6 Development of Food & catering services

6.1 Monthly change of Food & catering services for January 2019

The “Food & catering services” index showed an increase of 1.6% in January 2019, after an increase of 0.8% in December 2018. The index for “Food at home” showed an increase of 1.8% in January, as all eleven (11) “Food at home” indices increased in January 2019. The “Fruit” index registered the largest increase (4.5%) in January 2019. Furthermore, increases were posted in the indices for “Potatoes and other tubers” (2.6%), “Oils and fats” (2.3%), “Milk, cheese and eggs” (2.3%) and “Non-alcoholic beverages” (1.5%).

Table 11 provides an overview of the corresponding weights per food group together with the percentage changes and effect for January 2019.

Table 11: Percentage change of Food for January 2019

Food	Weight	% Change	Effect
Food & catering services	1,492.8	1.6	0.313
<i>Food at home</i>	1,125.3	1.8	0.267
Bread and cereals	205.2	1.3	0.032
Meat	229.8	1.1	0.033
Fish and other seafood	56.4	0.9	0.006
Milk, cheese and eggs	140.0	2.3	0.038
Oils and fats	31.6	1.8	0.008
Fruit	72.0	4.5	0.093
Potatoes and other tubers	18.5	2.6	0.006
Vegetables	75.7	0.8	0.010
Sugar, jam, honey and other confectionery	49.6	0.4	0.002
Food products n.e.c.	82.7	1.0	0.010
Non-alcoholic beverages	163.9	1.5	0.029
<i>Food away from home</i>	367.5	1.1	0.046
Other goods and services	8,507.2	-0.9	-0.739
Other goods	5,147.2	-0.7	-0.321
Other services	3,360.0	-1.3	-0.419
CPI	10,000.0	0.2	-0.426

Source: Central Bureau of Statistics Aruba

Reference is made to table 18 in Appendix 3. Table 18 provides an overview of the monthly and end of period percentage changes and effect for January 2019 for the food groups.

In January 2019, “Food at home” and “Food away from home” as a group showed an increase in price of 1.6% compared to December 2018, and had an influence of 0.31 pts on the CPI, while the remaining goods and services, as a group, experienced a decrease in price of 0.9%, causing an effect of -0.74 pts on the CPI.

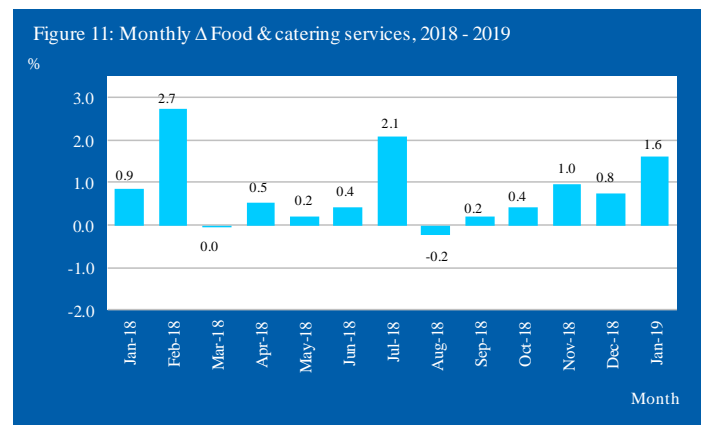
An overview of the percentage change and effect for “Food at home” and “Food away from home” for January 2019 is presented in table 12.

Table 12: Effect on the CPI of January 2019 of “Food at home” and “Food away from home”

Category	Weight	% Change	Effect
Food at home	1,125.3	1.8	0.27
Food away from home	367.5	1.1	0.05
Total group	1,492.8	1.6	0.31
Remaining goods and services	8,507.2	-0.9	-0.74
CPI	10,000.0	-0.4	-0.43

Source: Central Bureau of Statistics Aruba

Figure 11 depicts the monthly Δ Food and catering services over a period of one year starting from January 2018.



6.2 End of Period change of Food & catering services for January 2019

Over the last twelve (12) months, the “Food & catering services” has increased by 10.0%. The “Food at home” index showed an increase of 11.7%. The “Fruit” index increased by 27.5%, the largest increase among the “Food at home” food groups.

The index for “Food away from home” increased by 1.1% in January 2019 and has increased by 4.6% over the last twelve (12) months.

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 years).

7.2 Monthly change of the subsistence level for January 2019

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 January. Over a period of one year the subsistence level increased by Afl. 257, from Afl. 4,357 in January 2018 to Afl. 4,614 in January 2019. The "Food and non-alcoholic beverages" sector shows the largest increase (Afl. 189), over this period.

Table 13: Monthly subsistence level in Aruba (in Afl.) by sector for a family of 2 adults and 2 child (aged 0-14 years) for January, 2015 - 2019

Sector	Jan-15	Jan-16	Jan-17	Jan-18	Jan-19	Change in Afl.	
						Jan-18	Jan-19
Food and non-alcoholic beverages	1,614	1,605	1,602	1,621	1,810	189	
Clothing and footwear	249	255	251	242	259	17	
Housing	1,435	1,401	1,350	1,361	1,377	16	
Household operation	130	130	133	130	132	2	
Health	69	68	69	70	77	7	
Transport	237	234	241	251	252	1	
Communications	127	127	127	127	143	16	
Recreation and culture	174	179	178	181	183	2	
Education	63	64	67	70	70	0	
Miscellaneous goods and services	304	305	305	304	310	6	
Total	4,403	4,368	4,323	4,357	4,614	257	

Source: Central Bureau of Statistics Aruba

An overview of the subsistence level, for the most common family types, over the period January 2018 - January 2019 is presented in table 14.

Table 14: Subsistence level in Aruba (in Afl.) by family size and composition, January 2019 (Base period December 2010)

Period	Equivalence scales				
	1	1.3	1.5	1.8	2.1
	1 adult	1 adult + 1 child	2 adults	2 adults + 1 child	2 adults + 2 children
Jan-18	2,075	2,697	3,112	3,735	4,357
Feb-18	2,106	2,737	3,159	3,790	4,422
Mar-18	2,112	2,746	3,168	3,802	4,435
Apr-18	2,118	2,753	3,177	3,812	4,447
May-18	2,122	2,759	3,183	3,820	4,457
Jun-18	2,131	2,771	3,197	3,836	4,476
Jul-18	2,162	2,810	3,242	3,891	4,539
Aug-18	2,157	2,804	3,235	3,882	4,529
Sep-18	2,157	2,804	3,235	3,882	4,530
Oct-18	2,161	2,810	3,242	3,890	4,539
Nov-18	2,178	2,832	3,267	3,921	4,574
Dec-18	2,189	2,845	3,283	3,940	4,596
Jan-19	2,197	2,856	3,295	3,955	4,614

Source: Central Bureau of Statistics Aruba

7.3 Comparison of the subsistence level and minimum wage

In January 2019 the subsistence level for a single adult household is Afl. 2,197, which represents an income deficit of Afl. 486, an increase of Afl. 122 compared to the deficit observed one year ago (Afl. 364). This deficit is the highest registered over a period of five years for the month January.

Table 15: Monthly income surplus/deficit (in Afl.) for a single adult household for January, 2015 - 2019

Period	Minimum		
	1 adult	wage	Surplus/deficit
2015	2,097	1,637	-460
2016	2,080	1,637	-443
2017	2,059	1,678	-381
2018	2,075	1,711	-364
2019	2,197	1,711	-486

Source: Central Bureau of Statistics Aruba

Table 16: Monthly & Yearly Changes (%) in the Consumer Price Index for January 2019, Total Population (Dec 2006 = 100)

DESCRIPTION	WEIGHT coefficient	2018			2019 Jan	Monthly Dec - Jan	Ytd Dec - Jan	End of period Jan 18 - Jan 19	Period average Jan 18 - Jan 19
		2018 Jan	2018 Dec	2018 Jan					
Food and non-alcoholic beverages	1,125.3	151.26	165.96	168.88	1.8	1.8	11.7	8.3	
Food	961.4	153.22	169.02	172.07	1.8	1.8	12.3	8.9	
Non-alcoholic beverages	163.9	139.74	147.99	150.20	1.5	1.5	7.5	4.8	
Alcoholic beverages and tobacco	81.9	151.51	159.60	162.71	2.0	2.0	7.4	4.7	
Alcoholic beverages for consumption at home	59.3	124.99	131.47	135.32	2.9	2.9	8.3	3.9	
Tobacco	22.6	221.05	233.36	234.53	0.5	0.5	6.1	5.8	
Clothing and footwear	625.9	88.61	96.00	94.95	-1.1	-1.1	7.2	2.3	
Clothing	550.4	90.31	98.24	97.08	-1.2	-1.2	7.5	2.4	
Footwear	75.5	76.17	79.68	79.49	-0.2	-0.2	4.4	2.1	
Housing	2,553.3	130.09	131.53	131.60	0.1	0.1	1.2	0.8	
Actual rentals for housing	854.2	155.35	157.83	158.06	0.1	0.1	1.7	1.7	
Maintenance and repair of the dwelling	444.6	109.09	111.76	111.76	0.0	0.0	2.5	0.3	
Water supply and miscellaneous services relating to the dwelling	505.7	119.95	120.06	120.06	0.0	0.0	0.1	0.1	
Electricity, gas and other fuels	748.8	120.59	121.00	121.00	0.0	0.0	0.3	0.3	
Household operation	741.3	96.02	96.99	97.30	0.3	0.3	1.3	1.2	
Furniture, furnishings, carpets and other floor coverings	142.1	58.30	54.30	54.32	0.0	0.0	-6.8	2.3	
Household textiles	69.5	86.69	90.79	92.52	1.9	1.9	6.7	-4.0	
Household appliances	111.3	64.40	62.41	62.80	0.6	0.6	-2.5	1.8	
Glassware, tableware and household utensils	31.8	66.52	69.20	69.70	0.7	0.7	4.8	2.3	
Tools and equipment for house and garden	40.0	72.75	75.76	75.91	0.2	0.2	4.3	3.4	
Goods and services for routine household maintenance and cleaning	346.6	128.90	131.85	131.97	0.1	0.1	2.4	1.5	
Health	235.8	96.04	105.91	105.66	-0.2	-0.2	10.0	7.4	
Medical products, appliances and equipment	140.3	102.85	113.14	112.74	-0.4	-0.4	9.6	7.8	
Out-patient services	57.2	82.85	96.42	96.42	0.0	0.0	16.4	9.6	
Other health products and services	38.3	90.84	93.60	93.54	-0.1	-0.1	3.0	2.9	
Transport	1,815.4	116.28	120.40	116.97	-2.8	-2.8	0.6	6.7	
Purchase of vehicles	811.4	112.68	114.01	114.01	0.0	0.0	1.2	4.4	
Operation of personal transport equipment	840.1	123.95	130.89	126.14	-3.6	-3.6	1.8	10.4	
Transport services	163.8	94.77	98.29	84.67	-13.9	-13.9	-10.7	-4.1	
Communications	706.3	89.77	101.17	101.17	0.0	0.0	12.7	4.3	
Postal services	6.1	118.02	126.22	126.22	0.0	0.0	6.9	4.1	
Telephone and telefax equipment	29.6	35.61	25.16	25.16	0.0	0.0	-29.3	-0.3	
Telephone and telefax services	670.6	91.90	104.29	104.29	0.0	0.0	13.5	4.4	
Recreation and culture	891.2	110.74	115.15	111.77	-2.9	-2.9	0.9	4.6	
Audio-visual, photographic and information processing equipment	123.8	95.63	90.14	91.03	1.0	1.0	-4.8	18.7	
Other major durables for recreation and culture	19.2	46.54	42.30	42.30	0.0	0.0	-9.1	1.4	
Other recreational items and equipment; gardens and pets	260.1	134.07	136.24	136.53	0.2	0.2	1.8	-1.4	
Recreational and cultural services	335.0	110.23	112.58	112.58	0.0	0.0	2.1	6.9	
Newspapers, books and stationery	82.1	86.74	98.56	98.56	0.0	0.0	13.6	6.8	
Holidays	71.0	99.20	132.50	87.37	-34.1	-34.1	-11.9	1.4	
Education	83.0	129.16	130.08	130.08	0.0	0.0	0.7	1.4	
Pre primary and primary education	30.4	109.07	109.07	109.07	0.0	0.0	0.0	0.0	
Secondary education	25.2	119.45	121.90	121.90	0.0	0.0	2.0	1.2	
Post-secondary non-tertiary education	4.6	129.44	129.44	129.44	0.0	0.0	0.0	0.0	
Tertiary education	10.4	201.98	201.98	201.98	0.0	0.0	0.0	4.4	
Education not definable by level	12.4	136.91	138.11	138.11	0.0	0.0	0.9	1.5	
Restaurants and hotels	373.7	139.29	144.15	145.67	1.0	1.0	4.6	3.0	
Catering services	367.5	139.97	144.90	146.44	1.1	1.1	4.6	3.0	
Accommodation services	6.2	99.14	99.76	99.96	0.2	0.2	0.8	0.5	
Miscellaneous goods and services	767.0	102.83	104.52	104.76	0.2	0.2	1.9	1.1	
Personal care	262.0	118.28	120.37	120.77	0.3	0.3	2.1	0.5	
Personal effects n.e.c.	67.3	110.09	117.89	117.82	-0.1	-0.1	7.0	8.2	
Social protection	28.7	145.84	145.84	145.84	0.0	0.0	0.0	0.0	
Insurance	289.1	85.46	85.46	85.46	0.0	0.0	0.0	0.0	
Financial services n.e.c.	26.9	96.57	98.47	99.15	0.7	0.7	2.7	1.1	
Other services n.e.c.	93.0	96.57	98.47	99.15	0.7	0.7	2.7	1.1	
CPI	10,000	117.89	123.01	122.49	-0.4	-0.4	3.9	3.8	

Source: Central Bureau of Statistics Aruba

Table 17: Monthly & Yearly Effect on the Consumer Price Index per sector and category for January 2019 (Dec 2006 = 100)

DESCRIPTION	WEIGHT coefficient	Monthly Dec - Jan	Ytd Dec - Jan	End of period Jan 18 - Jan 19	Period average Jan 18 - Jan 19
Food and non-alcoholic beverages	1,125.3	0.27	0.27	1.68	1.19
Food	961.4	0.24	0.24	1.54	1.10
Non-alcoholic beverages	163.9	0.03	0.03	0.15	0.09
Alcoholic beverages and tobacco	81.9	0.02	0.02	0.08	0.05
Alcoholic beverages for consumption at home	59.3	0.02	0.02	0.05	0.02
Tobacco	22.6	0.00	0.00	0.03	0.02
Clothing and footwear	625.9	-0.05	-0.05	0.34	0.11
Clothing	550.4	-0.05	-0.05	0.32	0.10
Footwear	75.5	0.00	0.00	0.02	0.01
Housing	2,553.3	0.02	0.02	0.33	0.23
Actual rentals for housing	854.2	0.02	0.02	0.20	0.20
Maintenance and repair of the dwelling	444.6	0.00	0.00	0.10	0.01
Water supply and miscellaneous services relating to the dwelling	505.7	0.00	0.00	0.00	0.00
Electricity, gas and other fuels	748.8	0.00	0.00	0.03	0.02
Household operation	741.3	0.02	0.02	0.08	0.07
Furniture, furnishings, carpets and other floor coverings	142.1	0.00	0.00	-0.05	0.02
Household textiles	69.5	0.01	0.01	0.03	-0.02
Household appliances	111.3	0.00	0.00	-0.02	0.01
Glassware, tableware and household utensils	31.8	0.00	0.00	0.01	0.00
Tools and equipment for house and garden	40.0	0.00	0.00	0.01	0.01
Goods and services for routine household maintenance and cleaning	346.6	0.00	0.00	0.09	0.06
Health	235.8	0.00	0.00	0.19	0.14
Medical products, appliances and equipment	140.3	0.00	0.00	0.12	0.10
Out-patient services	57.2	0.00	0.00	0.07	0.04
Other health products and services	38.3	0.00	0.00	0.01	0.01
Transport	1,815.4	-0.51	-0.51	0.11	1.17
Purchase of vehicles	811.4	0.00	0.00	0.09	0.33
Operation of personal transport equipment	840.1	-0.32	-0.32	0.16	0.90
Transport services	163.8	-0.18	-0.18	-0.14	-0.06
Communications	706.3	0.00	0.00	0.68	0.23
Postal services	6.1	0.00	0.00	0.00	0.00
Telephone and telefax equipment	29.6	0.00	0.00	-0.03	0.00
Telephone and telefax services	670.6	0.00	0.00	0.70	0.23
Recreation and culture	891.2	-0.25	-0.25	0.08	0.38
Audio-visual, photographic and information processing equipment	123.8	0.01	0.01	-0.05	0.17
Other major durables for recreation and culture	19.2	0.00	0.00	-0.01	0.00
Other recreational items and equipment; gardens and pets	260.1	0.01	0.01	0.05	-0.04
Recreational and cultural services	335.0	0.00	0.00	0.07	0.21
Newspapers, books and stationery	82.1	0.00	0.00	0.08	0.04
Holidays	71.0	-0.26	-0.26	-0.07	0.01
Education	83.0	0.00	0.00	0.01	0.01
Pre primary and primary education	30.4	0.00	0.00	0.00	0.00
Secondary education	25.2	0.00	0.00	0.01	0.00
Post-secondary non-tertiary education	4.6	0.00	0.00	0.00	0.00
Tertiary education	10.4	0.00	0.00	0.00	0.01
Education not definable by level	12.4	0.00	0.00	0.00	0.00
Restaurants and hotels	373.7	0.05	0.05	0.20	0.13
Catering services	367.5	0.05	0.05	0.20	0.13
Accommodation services	6.2	0.00	0.00	0.00	0.00
Miscellaneous goods and services	767.0	0.01	0.01	0.13	0.08
Personal care	262.0	0.01	0.01	0.06	0.01
Personal effects n.e.c.	67.3	0.00	0.00	0.04	0.05
Social protection	28.7	0.00	0.00	0.00	0.00
Insurance	289.1	0.00	0.00	0.00	0.00
Financial services n.e.c.	26.9	0.00	0.00	0.01	0.00
Other services n.e.c.	93.0	0.01	0.01	0.02	0.01
CPI	10,000	-0.43	-0.43	3.90	3.81

Source: Central Bureau of Statistics Aruba

Table 18: Monthly & Yearly Changes (%) and effect in the Food & catering services for January 2019, Total Population (Dec 2006 = 100)

DESCRIPTION	WEIGHT coefficient	% Change		Effect	
		Monthly Dec - Jan	End of period Jan 18 - Jan 19	Monthly Dec - Jan	End of period Jan 18 - Jan 19
Food & catering services	1,492.8	1.6	10.0	0.313	1.884
Food at home	1,125.3	1.8	11.7	0.267	1.682
Bread and cereals	205.2	1.3	7.5	0.032	0.175
Rice	18.8	0.3	13.0	0.001	0.031
Bread	98.1	0.8	6.5	0.009	0.076
Pasta products	7.6	0.6	4.3	0.000	0.003
Other cereals and cereal products	80.7	2.5	7.5	0.022	0.065
Meat	229.8	1.1	9.4	0.033	0.268
Bovine	44.7	1.1	5.9	0.006	0.032
Swine	28.1	1.9	5.7	0.006	0.019
Poultry	59.5	0.4	16.9	0.004	0.136
Other meat and meat preparations	97.5	1.5	6.8	0.017	0.081
Fish and other seafood	56.4	0.9	6.6	0.006	0.043
Fish and seafood preparations	56.4	0.9	6.6	0.006	0.043
Milk, cheese and eggs	140.0	2.3	12.0	0.038	0.187
Milk	58.8	-0.2	11.4	-0.002	0.086
Cheese	46.9	2.9	9.6	0.016	0.050
Eggs	14.3	17.8	32.1	0.021	0.036
Other milk products	19.9	1.4	8.9	0.002	0.015
Oils and fats	31.6	1.8	9.2	0.008	0.040
Butter and margarine	9.9	1.0	7.1	0.001	0.011
Corn oil	9.4	2.4	11.6	0.004	0.016
Other oils and fats	12.3	2.0	8.9	0.003	0.013
Fruit	72.0	4.5	27.5	0.093	0.488
Oranges, lemons and mandarins	11.1	-2.1	4.4	-0.003	0.007
Bananas and plantains	13.8	-1.5	31.2	-0.004	0.074
Apples and pears	11.2	3.5	7.7	0.007	0.016
Grapes	6.0	3.5	-2.5	0.004	-0.003
Melons and watermelons	6.7	5.9	42.1	0.025	0.138
Nuts	6.9	-0.1	6.1	0.000	0.004
Other fruits and fruit products	16.4	7.8	37.3	0.065	0.253
Potatoes and other tubers	18.5	2.6	22.7	0.006	0.045
Potatoes	11.2	3.3	30.5	0.006	0.043
Sweet potatoes and yucca	2.5	-0.4	11.7	0.000	0.002
Other tubers	4.8	1.0	1.3	0.000	0.001
Vegetables	75.7	0.8	17.4	0.010	0.215
Lettuce	6.7	-11.7	68.7	-0.009	0.029
Celery and broccoli	6.3	-1.6	13.5	-0.003	0.023
Tomatoes & peppers	15.5	3.5	22.1	0.008	0.046
Onions	7.8	-0.8	17.3	-0.003	0.050
Frozen vegetable mixtures	6.7	2.6	9.0	0.002	0.007
Other vegetables	12.7	5.7	27.8	0.009	0.038
Other preserved or processed vegetables	20.0	1.9	7.1	0.006	0.022
Sugar, jam, honey and other confectionery	49.6	0.4	3.9	0.002	0.018
Sugar	14.4	0.4	6.0	0.001	0.008
Jams and jellies	2.8	1.0	5.0	0.000	0.002
Other confectionery products	32.4	0.4	2.9	0.001	0.009
Food products n.e.c.	82.7	1.0	5.9	0.010	0.057
Other food products	82.7	1.0	5.9	0.010	0.057
Non-alcoholic beverages	163.9	1.5	7.5	0.029	0.145
Coffee and tea	30.1	1.7	11.9	0.005	0.034
Soft and sports drinks	49.7	1.5	5.9	0.009	0.034
Fruit juices	61.0	1.4	6.4	0.012	0.051
Other non-alcoholic beverages	23.1	1.3	9.4	0.004	0.026
Food away from home	367.5	1.1	4.6	0.046	0.202
Food and beverage consumption away from home	367.5	1.1	4.6	0.046	0.202
Other goods and services	8,507.2	-0.9	2.5	-0.739	2.015
Other goods	5,147.2	-0.7	2.3	-0.321	1.084
Other services	3,360.0	-1.3	2.8	-0.419	0.931
CPI	10,000	-0.4	3.9	-0.426	3.899

Source: Central Bureau of Statistics Aruba

Table 19: CPI: Main indices for January 2019, Total Population (Dec 2006 = 100)

DESCRIPTION	WEIGHT coefficient	2018 Jan	2018 Dec	2019 Jan	Monthly Dec - Jan	Ytd Dec - Jan	End of period Jan 18 - Jan 19	Period average Jan 18 - Jan 19
CPI for "All items"	10,000.0	117.89	123.01	122.49	-0.4	-0.4	3.9	3.8
CPI for "Goods"	6,272.5	116.67	121.97	121.87	-0.1	-0.1	4.5	4.6
CPI for "Durable goods"	1,293.2	98.82	99.08	99.17	0.1	0.1	0.4	5.8
CPI for "Semi-durable goods"	954.1	87.64	93.26	92.74	-0.6	-0.6	5.8	1.4
CPI for "Non-durable goods"	4,025.2	129.29	136.14	136.07	-0.1	-0.1	5.2	4.8
CPI for "Services"	3,727.5	119.94	124.75	123.52	-1.0	-1.0	3.0	2.6
CPI for "Gasoline" and "Diesel"	552.3	120.11	128.49	121.26	-5.6	-5.6	1.0	13.3
CPI excluding "Food and non-alcoholic beverages"	8,874.7	113.66	117.56	116.60	-0.8	-0.8	2.6	3.1
CPI excluding "Gasoline" and "Diesel"	9,447.7	117.76	122.69	122.56	-0.1	-0.1	4.1	3.3
CPI excluding "Food and non-alcoholic beverages", "Gasoline" and "Diesel"	8,322.4	113.23	116.84	116.29	-0.5	-0.5	2.7	2.4
CPI excluding "Rentals actually paid by tenants or subtenants"	9,145.8	114.39	119.76	119.16	-0.5	-0.5	4.2	4.1
CPI excluding "Housing"	7,446.7	113.71	120.09	119.36	-0.6	-0.6	5.0	5.0
CPI excluding "Gasoline", "Diesel", "Water" and "Electricity"	8,289.2	117.24	122.86	122.71	-0.1	-0.1	4.7	3.7
CPI for "Food at home"	961.4	153.22	169.02	172.07	1.8	1.8	12.3	8.9

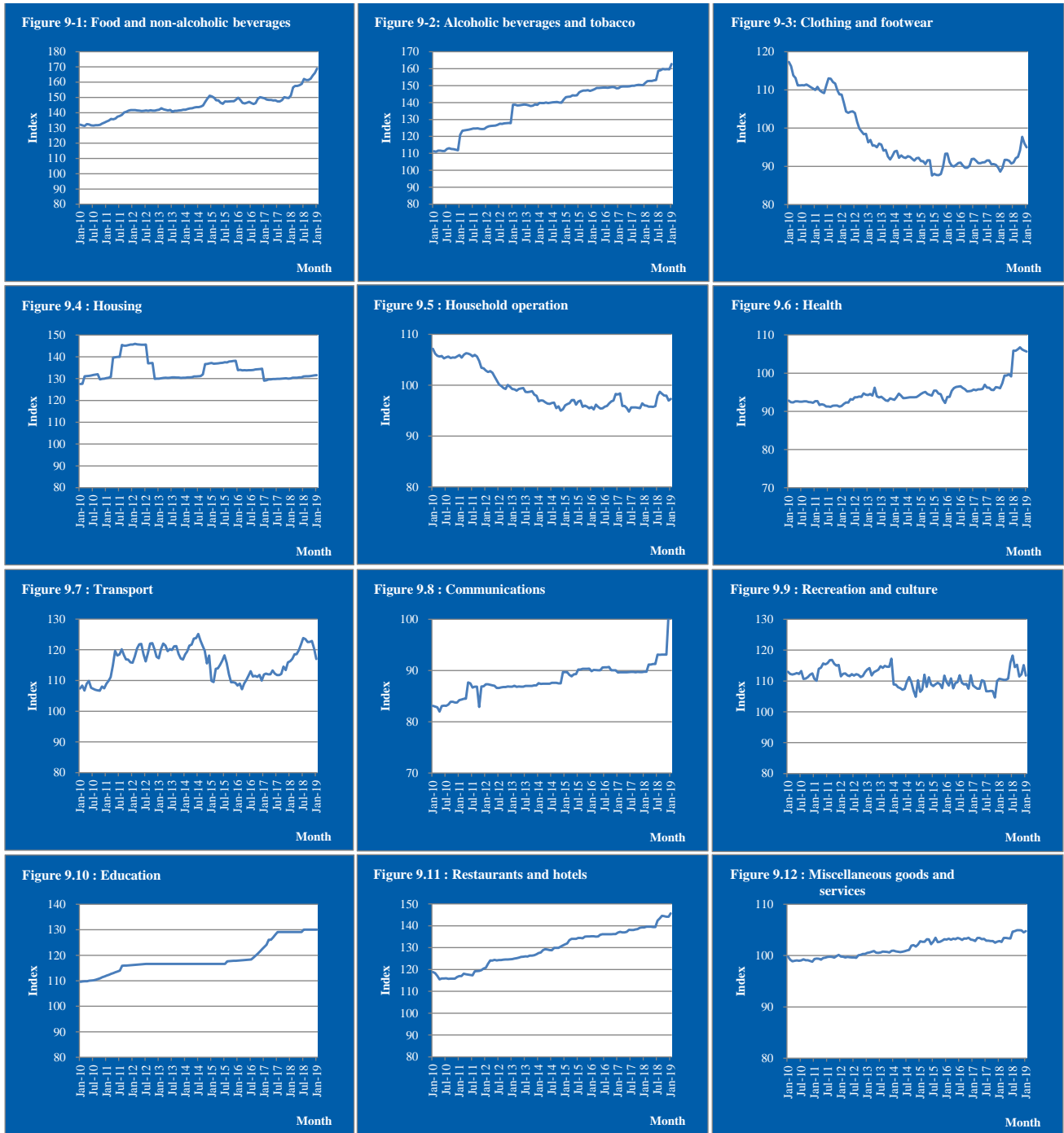
Source: Central Bureau of Statistics Aruba

Table 20: CPI: Effect on main indices for January 2019, Total Population (Dec 2006 = 100)

DESCRIPTION	WEIGHT coefficient	Monthly Dec - Jan	Ytd Dec - Jan	End of period Jan 18 - Jan 19	Period average Jan 18 - Jan 19
CPI for "All items"	10,000.0	-0.43	-0.43	3.90	3.81
CPI for "Goods"	6,272.5	-0.05	-0.05	2.77	2.84
CPI for "Durable goods"	1,293.2	0.01	0.01	0.04	0.61
CPI for "Semi-durable goods"	954.1	-0.04	-0.04	0.41	0.10
CPI for "Non-durable goods"	4,025.2	-0.02	-0.02	2.31	2.13
CPI for "Services"	3,727.5	-0.37	-0.37	1.13	0.97
CPI for "Gasoline" and "Diesel"	552.3	-0.32	-0.32	0.05	0.73
CPI excluding "Food and non-alcoholic beverages"	8,874.7	-0.69	-0.69	2.22	2.62
CPI excluding "Gasoline" and "Diesel"	9,447.7	-0.10	-0.10	3.85	3.08
CPI excluding "Food and non-alcoholic beverages", "Gasoline" and "Diesel"	8,322.4	-0.37	-0.37	2.16	1.89
CPI excluding "Rentals actually paid by tenants or subtenants"	9,145.8	-0.44	-0.44	3.70	3.62
CPI excluding "Housing"	7,446.7	-0.44	-0.44	3.57	3.58
CPI excluding "Gasoline", "Diesel", "Water" and "Electricity"	8,289.2	-0.10	-0.10	3.85	3.08
CPI for "Food at home"	961.4	0.24	0.24	1.54	1.10

Source: Central Bureau of Statistics Aruba

Course of Indices for 2010 up to January 2019



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.