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#### A note to the reader

The following report presents the price statistics for February 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 September 2020 were revised and corrected.
- At the end of February 2021 the Consumer Price Index (CPI) shows an increase of 0.1% compared to the end of January 2021. The sector which affected the CPI the most was "Transport" (2.2%), which led to an effect of 0.27 percentage points (ppts) on the  $\Delta$  CPI of February 2021 (0.1%).
- Compared to February 2020 the CPI decreased by 1.9%. The sector which affected the CPI the most was "Recreation and culture" (-4.7%), which led to an effect of -0.48 ppts.
- The period average inflation for the period February 2020 February 2021 is -2.2%, which is 6.1 ppts lower compared to the period average inflation for the period February 2019 February 2020 (3.9%).
- Utilities (Water and Electricity) did not register price changes in February 2021. The price of gasoline registered an increase of 5.6% in February 2021 and had an effect of 0.22 ppt on the Δ CPI of February 2021. The price of diesel registered an increase of 4.1% in February 2021 and had an effect of 0.01 ppt on the Δ CPI of February 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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## Consumer Price Index Aruba Monthly change February 2021

#### 1 Monthly change of the CPI

#### 1.1 CPI and Inflation

The CPI of the total population of Aruba for the month of February 2021 is 97.00; an increase of 0.1% compared to the CPI of January 2021 (96.89). An overview of the percentage change in the CPI ( $\Delta$ 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 deflation over the last 12 months (end of period inflation) is -1.9%, while the deflation over a period of 24 months (period average inflation) is -2.2%.

Table 1: Overview of ∆ CPI

		% Changes		Ind	ex
Period		2021 2020		Current	Last
Monthly	Jan - Feb	0.1	-0.7	97.00	96.89
Year-to-date	Dec - Feb	-0.1	-1.2	97.00	97.06
Last 12 months <sup>1</sup>	Feb - Feb	-1.9	2.3	97.00	98.90
Last 24 months <sup>2</sup>	Feb - Feb	-2.2	3.9	97.30	99.45

#### Source: Central Bureau of Statistics Aruba

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

#### 1.2 Changes in sector

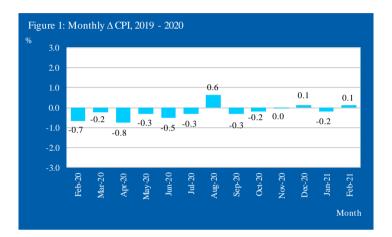
Figure 3 provides an overview of the percentage changes for the indices per sector for February 2021. The percentage change in index is further denoted as  $\Delta$  I. The largest  $\Delta$  I are observed for the "Transport" sector with an increase of 2.2% and the "Restaurants and hotels" sector with a decrease of -2.2%.

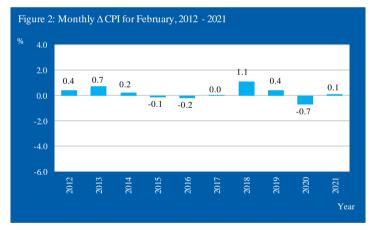
#### 1.3 Changes in categories and subcategories

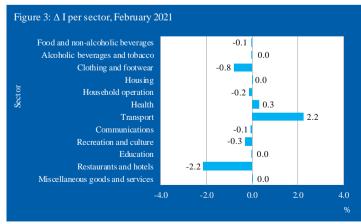
The largest positive and negative  $\Delta$  I is seen in the categories "Other major durables for recreation and culture" (10.8%) and "Accommodation services" (-59.8%). In the "Food and nonalcoholic beverages" sector a decrease of 0.1% is observed for the categories "Food" and "Non-alcoholic beverages". In the "Transport" sector the major  $\Delta$  I is observed for the category "Operation of personal transport equipment" (3.5%). In the "Recreation and culture" sector the major  $\Delta$  I is observed for the category "Other major durables for recreation and culture"  $(10.8\%)^1$ .

The categories which influenced the CPI calculation the most are "Operation of personal transport equipment", "Accommodation services" and "Holidays" which had an effect of respectively, 0.26, -0.10 and -0.04 ppts on the  $\Delta$  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 2020, January 2021 and February 2021 together with corresponding weights per sector and the monthly, year-to-date (ytd), end of period and period average percentage changes for February 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 February 2021 is presented. The course of indices for 2010 – up to February 2021 is illustrated in Appendix 5.







<sup>&</sup>lt;sup>1</sup> 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

<sup>&</sup>lt;sup>1</sup> End of period inflation

<sup>&</sup>lt;sup>2</sup> Period average inflation

#### 2 End of period change of the CPI

#### 2.1 End of period change CPI for February 2021

The CPI decreased from 98.90 in February 2020 to 97.00 in February 2021, a decrease of 1.9%. This  $\Delta$  CPI is the lowest registered over a period of 5 years for the month February, and is 4.2 ppts lower than the  $\Delta$  CPI registered in 2020 (2.3%) (see table 2).

Table 2: End of period Δ CPI for February, 2017 - 2021

Period	Δ СРΙ	Index
2016-2017	-0.7	91.93
2017-2018	2.1	93.88
2018-2019	3.0	96.66
2019-2020	2.3	98.90
2020-2021	-1.9	97.00

Source: Central Bureau of Statistics Aruba

#### 2.2 Changes in sector

An overview of the percentage change per sector over the period February 2020 - February 2021 is presented in table 3. The largest  $\Delta$  I is observed for the sector "Clothing and footwear" with a decrease of 7.0%. Furthermore, decreases of 4.7%, 4.6% and 2.9% are observed for the "Recreation and culture", "Household operation" and "Transport" sectors, respectively. A comparison of the  $\Delta$  I's for the years 2020 and 2021 is provided in figure 4.

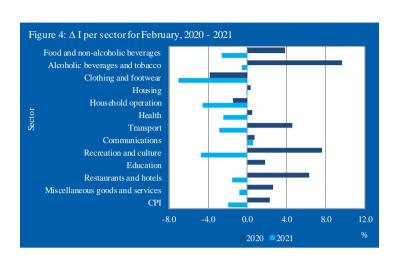
Table 3: Percentage change for February, 2020 - 2021

Sector	% Change
Food and non-alcoholic beverages	-2.6
Alcoholic beverages and tobacco	-0.6
Clothing and footwear	-7.0
Housing	0.0
Household operation	-4.6
Health	-2.5
Transport	-2.9
Communications	0.5
Recreation and culture	-4.7
Education	0.0
Restaurants and hotels	-1.6
Miscellaneous goods and services	-0.8
СРІ	-1.9

Source: Central Bureau of Statistics Aruba

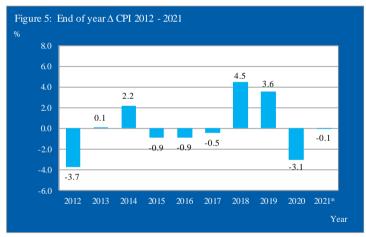
#### 2.3 Changes in categories

The largest positive and negative  $\Delta$  I in categories observed over a period of one year are respectively, "Health products and services n.e.c." (17.9%) and "Accommodation services" (-62.5%). 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  $\Delta$  CPI for the period 2012 - 2021 is shown in figure 5. The  $\Delta$  CPI for 2021 is calculated by comparing the CPI of February 2021 with the CPI of December 2020. The ytd  $\Delta$  CPI for February 2021 is -0.1%.



\*vtd

#### 2.5 Period average change CPI for February 2021

The period average change CPI ( $\Delta$  ACPI) for February 2021 is -2.2%. Table 4 provides an overview of the  $\Delta$  ACPI for the month February for the years 2017 to 2021. The Δ ACPI for 2021 decreased by 6.1 ppts compared to 2020 (3.9%).

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

Period	Δ ΑСΡΙ	Index
2016-2017	-1.0	92.73
2017-2018	-0.6	92.15
2018-2019	3.9	95.75
2019-2020	3.9	99.45
2020-2021	-2.2	97.30

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 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 February 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 <sup>2</sup>	energy charge <sup>2</sup>				
Month	per barrel <sup>1</sup>	≤ 500 kWh	501-1000 kWh	Electricity <sup>3</sup>	Water <sup>4</sup>	Gasoline⁵	Diesel⁵
Feb-20	50.67	31.09	31.99	240.09	137.05	201.90	172.40
Mar-20	30.40	31.09	31.99	240.09	137.05	197.20	160.60
Apr-20	17.39	31.09	31.99	240.09	137.05	160.60	136.70
May-20	26.57	31.09	31.99	240.09	137.05	144.70	119.00
Jun-20	38.19	31.09	31.99	240.09	137.05	160.50	121.60
Jul-20	40.58	31.09	31.99	240.09	137.05	174.90	135.00
Aug-20	42.33	31.09	31.99	240.09	137.05	178.10	140.70
Sep-20	39.64	31.09	31.99	240.09	137.05	180.20	140.50
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

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 February 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.

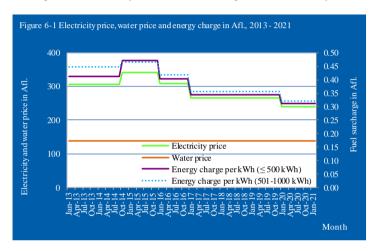
The total energy charge per kWh for a usage of electricity up to 500 kWh did not change in February 2021, it stayed at Afl. 31.09 cents per kWh. The total energy charge per kWh for a usage of electricity between 501 - 1000 kWh did not change in February 2021, it stayed at Afl. 31.99 cents per kWh.

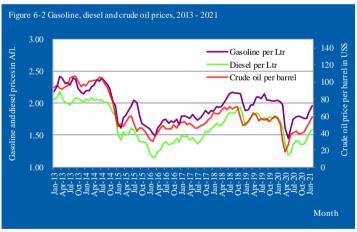
#### 3.3 Water

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 February 2021, it remained at Afl. 137.05.

#### 3.4 Gasoline and Diesel

The retail price of gasoline increased by 5.6% from 185.9 cents per liter in January 2021 to 196.3 cents per liter in February 2021. In February 2021, the retail price of diesel registered an increase of 4.1% from 152.4 cents per liter in January 2021 to 158.6 cents per liter in February 2021.





<sup>&</sup>lt;sup>1</sup> Average West Texas Intermediate (WTI) crude oil price per barrel in USS (Source: U.S. Energy Information Administration)

<sup>&</sup>lt;sup>2</sup> Total energy charge in Afl. cents per kWh

<sup>&</sup>lt;sup>3</sup> Electricty price in Afl.

<sup>4</sup> Water price in Afl.

<sup>&</sup>lt;sup>5</sup> 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  $\Delta$  CPI of Aruba's major trading partners starting from January 2020. In February 2021 the  $\Delta$ CPI of the USA, Curação and the Netherlands were 0.5%, 0.3% and 0.9%.

Table 6: Monthly Δ CPI 2020 - 2021 per Country

Period	Aruba	USA	Curaçao	Netherlands
Feb-20	-0.7	0.3	-0.3	0.6
Mar-20	-0.2	-0.2	0.1	0.2
Apr-20	-0.8	-0.7	0.2	0.5
May-20	-0.3	0.0	-0.2	-0.1
Jun-20	-0.5	0.5	0.3	0.3
Jul-20	-0.3	0.5	0.4	1.1
Aug-20	0.6	0.3	0.7	-0.5
Sep-20	-0.3	0.1	0.5	-0.2
Oct-20	-0.2	0.0	0.1	0.5
Nov-20	0.0	-0.1	-0.1	-0.8
Dec-20	0.1	0.1	0.2	0.2
Jan-21	-0.2	0.4	0.3	-0.2
Feb-21	0.1	0.5	0.3	0.9

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

CBS Curação and CBS Netherlands

The USA is considered Aruba's largest trading partner<sup>2</sup>. Table 7 provides an overview of the  $\Delta$  CPI for Aruba and the USA in February 2021. Aruba's monthly Δ CPI for February 2021 is 0.4 ppts lower than the  $\Delta$  CPI of the USA.

Table 7: Overview of Δ CPI, 2021

Period		Aruba	USA
Monthly	Jan - Feb	0.1	0.5
Year-to-date	Dec - Feb	-0.1	1.0
Last 12 months <sup>1</sup>	Feb - Feb	-1.9	1.7
Last 24 months <sup>2</sup>	Feb - Feb	-2.2	1.1

Source: Central Bureau of Statistics Aruba

Trade Statistics Report, 4th Quarter 2020).

The  $\Delta$  CPI of Aruba over the last 12 months is 3.6 ppts lower compared to the USA's 12-month  $\Delta$  CPI. The  $\Delta$  CPI over the last 24 months for Aruba is 3.3 ppts lower than the  $\Delta$  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.

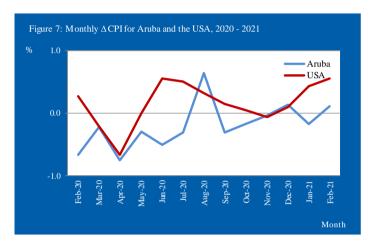
 $^2\,$  "61% of Aruba's import by sea and air originates from the USA" (Source: Foreign

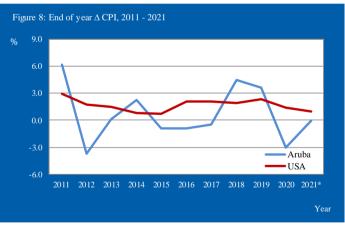
Table 8: End of year Δ CPI, 2011 - 2021

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*	-0.1	1.0

Source: Central Bureau of Statistics Aruba

\* ytd





\*ytd

<sup>&</sup>lt;sup>1</sup> End of period inflation

<sup>&</sup>lt;sup>2</sup> Period average inflation

**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

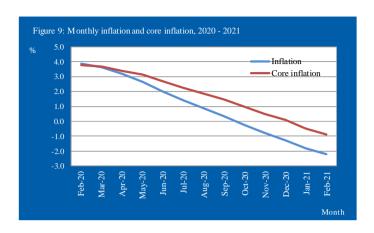
In February 2021 the core inflation (measured over the period February 2020 - 2021) was -0.9%. In February 2021 the food index was -2.0%, while the energy index shows a decrease of 7.9%.

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

				Core
Period	Inflation	Food	Energy <sup>2</sup>	Inflation
Feb-20	3.9	9.3	1.3	3.8
Mar-20	3.6	8.3	0.7	3.7
Apr-20	3.2	7.4	-0.2	3.4
May-20	2.7	6.2	-1.5	3.1
Jun-20	2.0	4.9	-2.7	2.7
Jul-20	1.4	3.7	-3.6	2.3
Aug-20	0.9	2.6	-4.6	1.9
Sep-20	0.4	1.6	-5.4	1.5
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

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 February 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 February) 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.

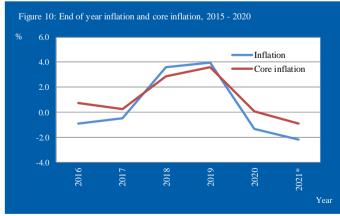
The end of year inflation and core inflation is presented in figure 10 over the period 2016 - 2021.

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	-2.2
Food	-0.1	0.8	7.3	10.5	-0.8	-2.0
Electricity	-9.9	-14.0	1.7	2.1	-9.2	-8.0
Water	0.0	0.0	1.7	2.1	0.5	0.2
Gasoline and diesel	-7.9	9.2	15.8	1.0	-12.3	-14.5
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=10(  $^*$ current month



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

<sup>&</sup>lt;sup>1</sup> Period average inflation

<sup>&</sup>lt;sup>2</sup> Energy: Electricity, water, gasoline and diesel

#### 6 Development of Food & catering services

#### 6.1 Monthly change of Food & catering services for February 2021

The "Food & catering services" index showed a slight decrease of 0.04% in February 2021, the fourth consecutive decrease. The index for "Food at home" showed a decrease of 0.1% in February, as four (4) of the eleven (11) "Food at home" indices decreased in February 2021. The "Potatoes and other tubers" index registered the largest decrease (-10.7%) in February 2021. Furthermore, decreases were posted in the indices for "Vegetables" (-2.7%), "Bread and cereals" (-1.1%) and "Non-alcoholic beverages" (-0.1%).

The "Fruit" (1.5%) index registered the largest increase in February 2021. Furthermore, increases were posted in the indices for "Fish and other seafood" (1.3%) and "Meat" (0.9%).

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

Table 11: Percentage change of Food for February 2021

Food	Weight	% Change	Effect
Food & catering services	1,492.8	-0.04	-0.006
Food at home	1,125.3	-0.1	-0.006
Bread and cereals	205.2	-1.1	-0.019
Meat	229.8	0.9	0.022
Fish and other seafood	56.4	1.3	0.006
Milk, cheese and eggs	140.0	0.4	0.006
Oils and fats	31.6	0.2	0.001
Fruit	72.0	1.5	0.014
Potatoes and other tubers	18.5	-10.7	-0.016
Vegetables	75.7	-2.7	-0.021
Sugar, jam, honey and other confectionery	49.6	0.1	0.001
Food products n.e.c.	82.7	0.4	0.003
Non-alcoholic beverages	163.9	-0.1	-0.001
Food away from home	367.5	0.0	0.000
Other goods and services	8,507.2	0.1	0.118
Other goods	5,147.2	0.5	0.228
Other services	3,360.0	-0.3	-0.110
СРІ	10,000.0	0.1	0.112

Source: Central Bureau of Statistics Aruba

In February 2021, "Food at home" and "Food away from home" as a group showed a slight decrease in price of 0.04% compared to January 2021, and had an influence of -0.01 ppt on the CPI, while the remaining goods and services, as a group, experienced a decrease in price of 0.1%, causing an effect of 0.12 ppts on the

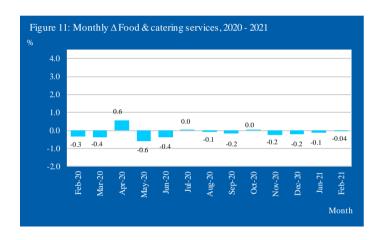
An overview of the percentage change and effect for "Food at home" and "Food away from home" for February 2021 is presented in table 12.

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

Category	Weight	% Change	Effect
Food at home	1,087.7	-0.1	-0.01
Food away from home	429.8	0.0	0.00
Total group	1,517.5	-0.04	-0.01
Remaining goods and services	8,482.5	0.1	0.12
CPI	10,000.0	0.1	0.11

Source: Central Bureau of Statistics Aruba

Figure 11 depicts the monthly  $\Delta$  Food and catering services over a period of one year starting from January 2020.



#### 6.2 End of Period change of Food & catering services for February 2021

Over the last twelve (12) months, the "Food & catering services" has decreased by 1.6%. The "Food at home" index showed a decrease of 2.6%. The "Potatoes and other tubers" index decreased by 18.3%, the largest decrease among the "Food at home" food groups, while the "Sugar, jam, honey and other confectionery" index increased by 1.8%, the largest increase among the "Food at home" food groups.

The index for "Food away from home" did not change in February 2021 and has increased by 0.9% over the last twelve (12) months.

Table 18 provides an overview of the monthly and end of period percentage changes and effect for February 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 February 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 January. Over a period of one year the subsistence level decreased by Afl. 94, from Afl. 4,836 in February 2020 to Afl. 4,742 in February 2021. The "Food and non-alcoholic beverages" sector shows the largest decrease (Afl. 51), over this period.

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 February, 2017 - 2021

						Change in Afl.
Sector	Feb-17	Feb-18	Feb-19	Feb-20	Feb-21	Feb-20 - Feb-21
Food and non-alcoholic beverages	1,613	1,697	1,862	1,934	1,883	-51
Clothing and footwear	257	254	268	258	239	-19
Housing	1,405	1,436	1,441	1,446	1,446	0
Household operation	111	113	112	110	105	-5
Health	72	75	81	82	80	-2
Transport	253	269	275	288	280	-8
Communications	133	136	150	151	152	1
Recreation and culture	163	156	154	166	158	-8
Education	67	72	73	74	74	0
Miscellaneous goods and services	309	313	320	328	325	-3
Total	4,384	4,521	4,735	4,836	4,742	-94

Source: Central Bureau of Statistics Aruba

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

Table 14: Subsistence level in Aruba (in Afl.) by family size and composition. February 2021 (Base period December 2010)

	Equivalence scales										
	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						
Feb-20	2,303	2,994	3,454	4,145	4,836						
Mar-20	2,300	2,989	3,449	4,139	4,829						
Apr-20	2,296	2,984	3,444	4,132	4,821						
May-20	2,283	2,968	3,425	4,110	4,794						
Jun-20	2,277	2,960	3,416	4,099	4,782						
Jul-20	2,267	2,947	3,400	4,080	4,760						
Aug-20	2,276	2,959	3,415	4,098	4,781						
Sep-20	2,277	2,960	3,416	4,099	4,782						
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						

Source: Central Bureau of Statistics Aruba

#### 7.3 Comparison of the subsistence level and minimum wage

In February 2021 the subsistence level for a single adult household is Afl. 2.258, which represents an income deficit of Afl. 443, a decrease of Afl. 45 compared to the deficit observed one year ago (Afl. 488). This deficit is the third highest registered over a period of five years for the month February.

Tabel 15: Monthly income surplus/deficit (in Afl.) for a single adult household for February, 2017 - 2021

		Minimum	
Period	1 adult	wage	Surplus/deficit
2017	2,087	1,678	-409
2018	2,153	1,711	-442
2019	2,255	1,711	-544
2020	2,303	1,815	-488
2021	2,258	1,815	-443

Source: Central Bureau of Statistics Aruba



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

DESCRIPTION	WEIGHT	2020	2020	2021	2021	Monthly	Ytd	End of period	Period avera
	coefficient	Feb	Dec	Jan	Feb	Jan - Feb	Dec - Feb	Feb 20 - Feb 21	Feb 20 - Feb 2
Food and any also be Police and	4 007 7	00.04	06.70	05.45	06.44			2.5	4.7
Food and non-alcoholic beverages	1,087.7		96.70	96.46	96.41	-0.1	-0.3	-2.6	-1.7
Food		98.76	96.26 100.16	96.01	95.96	-0.1	-0.3	-2.8	-2.0
Non-alcoholic beverages	123.6	101.03	100.16	99.94	99.89	-0.1	-0.3	-1.1	0.6
All	70.2	400 74	00.07	400.40	400 45			2.5	4.5
Alcoholic beverages and tobacco		100.74		100.18		0.0	0.3	-0.6	1.2
Alcoholic beverages for consumption at home		99.62	98.46	98.69	98.55	-0.1	0.1	-1.1	0.3
Tobacco	16.0	105.09	105.36	105.97	106.37	0.4	1.0	1.2	4.8
Clothing and footwear		94.35	93.45	88.48	87.75	-0.8	-6.1	-7.0	-4.7
Clothing		91.51	94.23	89.02	88.43	-0.7	-6.2	-3.4	-3.6
Footwear	64.0	103.80	90.85	86.67	85.50	-1.4	-5.9	-17.6	-8.1
Housing	2,522.2		97.98	97.87	97.89	0.0	-0.1	0.0	-1.7
Actual rentals for housing	666.7	101.00	102.26	102.38	102.51	0.1	0.2	1.5	1.7
Imputed rentals for housing	34.4	102.47	98.52	97.61	97.21	-0.4	-1.3	-5.1	-1.9
Maintenance and repair of the dwelling	517.0	102.17	101.19	100.55	100.54	0.0	-0.6	-1.6	1.0
Water supply and miscellaneous services relating to the dwelling	463.6	101.35	101.35	101.35	101.35	0.0	0.0	0.0	1.2
Electricity, gas and other fuels	840.4	90.72	90.72	90.72	90.72	0.0	0.0	0.0	-7.7
Household operation	929.2	98.94	96.66	94.55	94.40	-0.2	-2.3	-4.6	-4.3
Furniture, furnishings, carpets and other floor coverings	128.8	93.31	78.66	76.45	75.64	-1.1	-3.8	-18.9	-16.4
Household textiles	58.6	93.84	83.92	82.63	80.19	-3.0	-4.4	-14.6	-13.0
Household appliances	246.0	99.37	97.52	91.81	92.63	0.9	-5.0	-6.8	-7.9
Glassware, tableware and household utensils		98.45	86.32		83.14	-1.1	-3.7	-15.5	-4.5
Tools and equipment for house and garden				113.30		-2.7	-3.8	14.9	5.2
Goods and services for routine household maintenance and cleaning				101.18		0.2	0.0	-0.1	1.5
social and services for routine nouseriola manifestance and decaring	120.5	101.55	101.10	101.10	101.12	0.2	0.0	0.1	1.5
Health	222 1	98.97	97.76	96.22	96.51	0.3	-1.3	-2.5	-1.5
Medical products, appliances and equipment		98.73	96.41	94.96	95.35	0.4	-1.5 -1.1	-3.4	-1. <b>3</b> -2.3
						0.4			
Out-patient services		100.00		96.39	96.42		-1.7	-3.6	-0.8
Other treatments		98.69	96.49	94.61	94.94	0.4	-1.6	-3.8	-2.1
Health products and services n.e.c.	10.5	97.51	116.56	114.68	114.93	0.2	-1.4	17.9	7.2
Transport	1,257.4		90.90	93.93	96.04	2.2	5.7	-2.9	-7.4
Purchase of vehicles		101.94		98.08	98.69	0.6	4.1	-3.2	-4.7
Operation of personal transport equipment		97.57	89.67	92.50	95.74	3.5	6.8	-1.9	-8.6
Transport services	51.5	91.75	75.35	79.46	77.62	-2.3	3.0	-15.4	-12.3
Communications	849.6	99.24	99.80	99.85	99.79	-0.1	0.0	0.5	0.0
Telephone and telefax equipment	43.8	85.30	93.97	94.92	93.63	-1.4	-0.4	9.8	-3.6
Telephone and telefax services	805.8	100.00	100.12	100.12	100.12	0.0	0.0	0.1	0.2
Recreation and culture	1,013.3	99.52	97.20	95.13	94.83	-0.3	-2.4	-4.7	-1.0
Audio-visual, photographic and information processing equipment	58.5	84.29	87.99	83.82	82.99	-1.0	-5.7	-1.5	-12.7
Other major durables for recreation and culture	20.0	99.59	94.07	91.66	101.58	10.8	8.0	2.0	2.9
Other recreational items and equipment; gardens and pets	266.6	101.31	99.29	96.46	96.13	-0.3	-3.2	-5.1	0.6
Recreational and cultural services	309.1	99.78	99.65	99.67	99.79	0.1	0.1	0.0	0.2
Newspapers, books and stationery	43.7	94.43	83.52	85.10	84.98	-0.1	1.7	-10.0	-9.2
Holidays				93.25		-1.3	-5.0	-9.2	-0.4
									***
Education	98.0	100 17	100 17	100.17	100 17	0.0	0.0	0.0	0.3
Pre primary and primary education				100.00		0.0	0.0	0.0	0.2
Secondary education				100.00		0.0	0.0	0.0	0.2
•									
Post-secondary non-tertiary education				100.00		0.0	0.0	0.0	0.2
Tertiary education				100.00		0.0	0.0	0.0	0.2
Education not definable by level	2.5	106.67	106.67	106.67	106.67	0.0	0.0	0.0	5.7
Restaurants and hotels				103.72		-2.2	-0.9	-1.6	1.9
Catering services	429.8	101.85	102.68	102.79	102.79	0.0	0.1	0.9	2.4
Accommodation services	12.2	146.04	93.96	136.30	54.76	-59.8	-41.7	-62.5	-14.3
Miscellaneous goods and services	1,222.6	99.43	98.43	98.55	98.59	0.0	0.2	-0.8	-0.6
Personal care	427.1	98.53	96.65	96.75	97.02	0.3	0.4	-1.5	-1.6
Personal effects n.e.c.	106.6	98.59	94.62	95.63	95.01	-0.6	0.4	-3.6	-2.8
				100.00	100.00	0.0	0.0	0.0	0.2
Social protection	70.2								
Social protection Insurance			100.14	100.14	100.14	0.0	0.0	0.0	0.3
			100.14	100.14	100.14	0.0	0.0	0.0	0.3

Source: Central Bureau of Statistics Arubo



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

DESCRIPTION	WEIGHT coefficient	Monthly Jan - Feb	Ytd Dec - Feb	End of period Feb 20 - Feb 21	Period avera Feb 20 - Feb
Food and non-alcoholic beverages	1,087.7	-0.01	-0.03	-0.29	-0.18
Food	964.1	-0.01	-0.03	-0.27	-0.19
Non-alcoholic beverages	123.6	0.00	0.00	-0.01	0.01
Alcoholic beverages and tobacco	78.2	0.00	0.00	0.00	0.01
Alcoholic beverages and tobacco	62.2	0.00	0.00	-0.01	0.00
Tobacco	16.0	0.00	0.00	0.00	0.01
Clothing and footwear	276.8	-0.02	-0.16	-0.18	-0.13
Clothing	212.8	-0.01	-0.13	-0.07	-0.08
Footwear	64.0	-0.01	-0.04	-0.12	-0.05
Housing	2,522.2	0.01	-0.02	0.00	-0.42
Actual rentals for housing	666.7	0.01	0.02	0.10	0.11
Imputed rentals for housing	34.4	0.00	0.00	-0.02	-0.01
Maintenance and repair of the dwelling	517.0	0.00	-0.03	-0.09	0.05
Water supply and miscellaneous services relating to the dwelling	463.6	0.00	0.00	0.00	0.06
Electricity, gas and other fuels	840.4	0.00	0.00	0.00	-0.64
Household operation	929.2	-0.01	-0.22	-0.43	-0.40
Furniture, furnishings, carpets and other floor coverings	128.8	-0.01	-0.04	-0.23	-0.21
Household textiles	58.6	-0.01	-0.02	-0.08	-0.08
Household appliances	246.0	0.02	-0.12	-0.17	-0.20
Glassware, tableware and household utensils	17.2	0.00	-0.01	-0.03	-0.01
Tools and equipment for house and garden	58.2	-0.02	-0.03	0.08	0.03
oods and services for routine household maintenance and cleaning	420.5	0.01	0.00	-0.01	0.06
Health	223.1	0.01	-0.03	-0.06	-0.03
Medical products, appliances and equipment	152.3	0.01	-0.02	-0.05	-0.04
Out-patient services	52.4	0.00	-0.01	-0.02	0.00
Other treatments	7.8	0.00	0.00	0.00	0.00
Health products and services n.e.c.	10.5	0.00	0.00	0.02	0.01
Transport	1,257.4	0.27	0.67	-0.36	-0.92
Purchase of vehicles	442.6	0.03	0.18	-0.15	-0.21
Operation of personal transport equipment	763.3	0.26	0.48	-0.14	-0.65
Transport services	51.5	-0.01	0.01	-0.07	-0.06
Communications	849.6	-0.01	0.00	0.05	0.00
Telephone and telefax equipment	43.8	-0.01	0.00	0.04	-0.02
Telephone and telefax services	805.8	0.00	0.00	0.01	0.02
Recreation and culture	1,013.3	-0.03	-0.25	-0.48	-0.10
Audio-visual, photographic and information processing equipment	58.5	-0.01	-0.03	-0.01	-0.07
Other major durables for recreation and culture	20.0	0.02	0.02	0.00	0.01
Other recreational items and equipment; gardens and pets	266.6	-0.01	-0.09	-0.14	0.02
Recreational and cultural services	309.1	0.00	0.00	0.00	0.01
Newspapers, books and stationery	43.7	0.00	0.01	-0.04	-0.04
Holidays	315.4	-0.04	-0.16	-0.30	-0.01
Education	98.0	0.00	0.00	0.00	0.00
Pre primary and primary education	24.0	0.00	0.00	0.00	0.00
Secondary education	43.4	0.00	0.00	0.00	0.00
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
Destaurants and travels	443.0	0.10	0.04	0.07	0.00
Restaurants and hotels	442.0 420.8	- <b>0.10</b>	- <b>0.04</b>	- <b>0.07</b>	0.08
Catering services Accommodation services	429.8 12.2	0.00 -0.10	0.01 -0.05	0.04 -0.11	0.11 -0.02
			2.25	*:=*	0.02
Miscellaneous goods and services	1,222.6	0.01	0.02	-0.10	-0.07
Personal care	427.1	0.01	0.02	-0.07	-0.07
Personal effects n.e.c.	106.6	-0.01	0.00	-0.04	-0.03
Social protection Insurance	78.2 610.7	0.00 0.00	0.00	0.00 0.00	0.00 0.02
satance		<del>-</del>			
	10,000.0	0.11	-0.07	-1.93	-2.16



# COS Consumer Price Index Aruba Appendix 3

Table 18: Monthly & Yearly Changes (%) and effect	ct in the Food 8	& catering ser	vices for Februar	y 2021, Total F	opulation (Jun 2		
		% C	Change	Effect			
DESCRIPTION	WEIGHT coefficient	Monthly Jan - Feb	End of period Feb 20 - Feb 21	Monthly Jan - Feb	End of period Feb 19 - Feb 20		
Food & catering services	1,517.5	-0.04	-1.6	-0.006	-0.246		
Food at home	1,087.7	-0.1	-2.6	-0.006	-0.287		
Bread and cereals	178.1	-1.1	-3.6	-0.019	-0.065		
Rice	23.5	0.1	1.0	0.000	0.002		
Bread	72.1	-0.5	-2.0	-0.004	-0.015		
Pasta products	9.2	-1.0	-4.8	-0.001	-0.004		
Other cereals and cereal products	73.3	-2.1	-6.6	-0.015	-0.049		
Meat	242.5	0.9	-1.7	0.022	-0.041		
Bovine	67.3	0.3	0.6	0.002	0.004		
Swine	25.5	3.7	4.6	0.010	0.012		
Poultry	75.7	2.0	-8.5	0.013	-0.064		
Other meat and meat preparations	74.0	-0.4	0.9	-0.003	0.007		
Fish and other seafood	49.0	1.3	-1.8	0.006	-0.009		
Fish and seafood preparations	49.0	1.3	-1.8	0.006	-0.009		
Milk, cheese and eggs	135.3	0.4	0.9	0.006	0.012		
Cheese	55.4	0.2	2.6	0.001	0.015		
Eggs	16.6	-0.9	8.0	-0.002	0.013		
Milk	40.0	0.9	-2.4	0.003	-0.010		
Other milk products	23.3	1.1	-2.5	0.003	-0.006		
Oils and fats	32.2	0.2	-3.5	0.001	-0.011		
Corn oil	2.8	2.2	7.2	0.001	0.002		
Butter and margarine	9.2	-0.2	0.3	0.000	0.000		
Other oils and fats	20.1	0.1	-6.7	0.000	-0.014		
Fruit	97.6	1.5	-3.9	0.014	-0.037		
Oranges	9.4	-1.3	12.0	-0.002	0.012		
Bananas and plantains	19.9	1.2	-18.9	0.002	-0.032		
Apples	9.3	4.0	6.7	0.004	0.006		
Avocado	5.0	10.6	10.2	0.004	0.004		
Grapes	9.2	0.7	2.3	0.001	0.002		
Nuts	11.9	-0.5	-5.1	-0.001	-0.006		
Lemons and mandarins	6.0	1.5	-18.0	0.001	-0.009		
Cherries and strawberries	8.8	-1.3	2.6	-0.001	0.003		
Melons and watermelons	7.7	3.1	-6.5	0.002	-0.005		
Papayas and pineapples	6.9	4.2	-10.6	0.002	-0.007		
Other fruits and fruit products	3.5	5.1	-11.9	0.002	-0.004		
Potatoes and other tubers	18.2	-10.7	-18.3	-0.016	-0.030		
Potatoes	12.2	-14.3	-25.2	-0.014	-0.027		
Other tubers	2.0	1.0	3.9	0.000	0.001		
Sweet potatoes and yucca	4.0	-7.9	-9.9	-0.003	-0.004		
Vegetables	89.1	-2.7	-11.3	-0.021	-0.096		
Lettuce	6.8	-21.7	-50.0	-0.009	-0.032		
Tomatoes	9.7	-15.0	-17.7	-0.016	-0.019		
Onions and garlic	18.7	1.0	-8.3	0.002	-0.014		
Celery and broccoli	15.3	1.5	-8.0	0.002	-0.010		
Other vegetables	15.3	0.3	-9.2	0.002	-0.014		
Other preserved or processed vegetables	8.4	-0.3	4.0	0.000	0.003		
Frozen vegetable mixtures	14.8	0.2	-6.7	0.000	-0.010		
•							
Sugar, jam, honey and other confectionery	42.0	0.1	1.8	0.001	0.008		
Sugar	12.1	0.6	6.5	0.001	0.008		
Jams and jellies	2.5	-0.7	-3.9	0.000	-0.001		
Other confectionery products	27.5	0.0	0.3	0.000	0.001		
Food products n.e.c.	80.1	0.4	-0.4	0.003	-0.003		
Other food products	80.1	0.4	-0.4	0.003	-0.003		
Non-alcoholic beverages	123.6	-0.1	-1.1	-0.001	-0.014		
Coffee and tea	20.9	-0.9	-2.7	-0.002	-0.006		
Other non-alcoholic beverages	14.6	0.2	0.9	0.000	0.001		
Soft and sports drinks	31.0	0.8	-0.3	0.003	-0.001		
Fruit juices	57.1	-0.3	-1.5	-0.002	-0.009		
•							
Food away from home  Food and beverage consumption away from home	<b>429.8</b> 429.8	<b>0.0</b> 0.0	<b>0.9</b> 0.9	<b>0.000</b> 0.000	<b>0.041</b> 0.041		
Other goods and services	8,482.5	0.1	-2.0	0.118	-1.683		
Other goods	4,735.8	0.5	-2.7	0.228	-1.242		
Other services	3,746.7	-0.3	-1.2	-0.110	-0.441		
СРІ	10,000	0.1	-1.9	0.112	-1.929		
Source: Central Bureau of Statistics Aruba							



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

DESCRIPTION	WEIGHT	2020	2020	2021	2021	Monthly	Ytd	End of period	Period average
	coefficient	Feb	Dec	Jan	Feb	Jan - Feb	Dec - Feb	Feb 20 - Feb 21	Feb 20 - Feb 21
CPI for "All items"	10,000.0	98.90	97.06	96.89	97.00	0.1	-0.1	-1.9	-2.2
CPI for "Goods"	6,272.5	97.61	94.80	94.64	95.01	0.4	0.2	-2.7	-4.2
CPI for "Durable goods"	1,293.2	98.22	95.68	95.24	95.43	0.2	-0.3	-2.8	-5.1
CPI for "Semi-durable goods"	954.1	96.61	92.95	90.82	90.39	-0.5	-2.7	-6.4	-4.3
CPI for "Non-durable goods"	4,025.2	97.57	94.80	95.06	95.62	0.6	0.9	-2.0	-3.8
CPI for "Services"	3,727.5	100.71	100.22	100.02	99.76	-0.3	-0.5	-0.9	0.6
CPI for "Gasoline" and "Diesel"	552.3	96.21	83.89	88.36	93.22	5.5	11.1	-3.1	-14.5
CPI for "Food at home"	961.4	98.76	96.26	96.01	95.96	-0.1	-0.3	-2.8	-2.0
CPI excluding "Food and non-alcoholic beverages"	8,874.7	98.89	97.11	96.94	97.07	0.1	0.0	-1.8	-2.2
CPI excluding "Gasoline" and "Diesel"	9,447.7	99.03	97.70	97.30	97.18	-0.1	-0.5	-1.9	-1.6
CPI excluding "Food and non-alcoholic beverages", "Gasoline" and "Diese	8,322.4	99.04	97.83	97.41	97.28	-0.1	-0.6	-1.8	-1.6
CPI excluding "Rentals actually paid by tenants or subtenants"	9,145.8	98.75	96.69	96.49	96.60	0.1	-0.1	-2.2	-2.4
CPI excluding "Housing"	7,446.7	99.24	96.75	96.56	96.69	0.1	-0.1	-2.6	-2.3
CPI excluding "Gasoline", "Diesel", "Water" and "Electricity"	8,289.2	99.83	98.31	97.85	97.71	-0.1	-0.6	-2.1	-1.0

Source: Central Bureau of Statistics Aruba

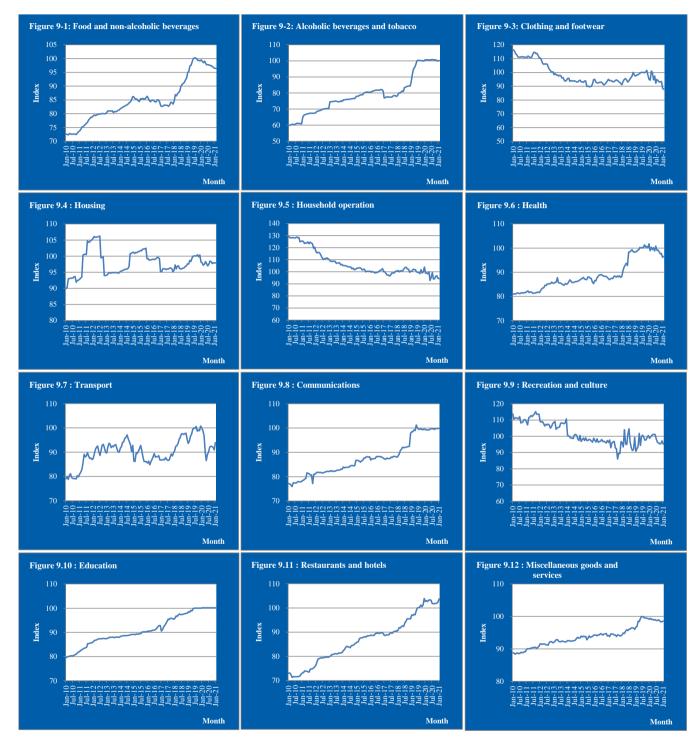
APPENDIX 5

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

DESCRIPTION	WEIGHT coefficient	Monthly Jan - Feb	Ytd Dec - Feb	End of period Feb 20 - Feb 21	Period average Feb 20 - Feb 21
CPI for "All items"	10,000.0	0.11	-0.07	-1.93	-2.16
CPI for "Goods"	6,272.5	0.22	0.13	-1.53	-2.42
CPI for "Durable goods"	1,293.2	0.03	-0.03	-0.36	-0.67
CPI for "Semi-durable goods"	954.1	-0.03	-0.17	-0.40	-0.27
CPI for "Non-durable goods"	4,025.2	0.23	0.33	-0.76	-1.48
CPI for "Services"	3,727.5	-0.11	-0.20	-0.40	0.26
CPI for "Gasoline" and "Diesel"	552.3	0.23	0.44	-0.14	-0.66
CPI for "Food at home"	961.4	-0.01	-0.03	-0.27	-0.19
CPI excluding "Food and non-alcoholic beverages"	8,874.7	0.12	-0.04	-1.64	-1.98
CPI excluding "Gasoline" and "Diesel"	9,447.7	-0.12	-0.51	-1.79	-1.50
CPI excluding "Food and non-alcoholic beverages", "Gasoline" and "Diese	8,322.4	-0.11	-0.48	-1.50	-1.32
CPI excluding "Rentals actually paid by tenants or subtenants"	9,145.8	0.10	-0.09	-2.03	-2.27
CPI excluding "Housing"	7,446.7	0.11	-0.05	-1.93	-1.74
CPI excluding "Gasoline", "Diesel", "Water" and "Electricity"	8,289.2	-0.12	-0.51	-1.79	-0.87

Source: Central Bureau of Statistics Aruba

#### Course of Indices for 2010 up to February 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.