



## **Table of Contents**

A note to the reader	ii
1 MONTHLY CHANGE OF THE CPI	1
1.1 CPI and Inflation	1
1.2 CHANGES IN SECTOR	1
1.3 CHANGES IN CATEGORIES AND SUBCATEGORIES	1
2 END OF PERIOD CHANGE OF THE CPI	2
2.1 END OF PERIOD CHANGE CPI FOR JUNE 2020	2
2.2 CHANGES IN SECTOR	2
2.3 CHANGES IN CATEGORIES	2
2.4 END OF YEAR CHANGE CPI 2011 - 2020	2
2.5 PERIOD AVERAGE CHANGE CPI FOR JUNE 2020	2
3 DEVELOPMENT OF INDICES OF MAIN SECTORS AND UTILITIES	3
3.1 Indices main sectors	3
3.2 Electricity	
3.3 Water	3
3.4 GASOLINE AND DIESEL	3
4 PERCENTAGE CHANGE CPI OF ARUBA'S MAJOR TRADING PARTNERS	4
4.1 COMPARISON OF THE CPI OF ARUBA AND THE USA	4
5 CORE INFLATION	5
5.1 Core inflation	5
5.2 MONTHLY CHANGE OF THE CORE INFLATION	5
5.3 END OF YEAR CHANGE OF THE CORE INFLATION, 2015 - 2020	5
6 DEVELOPMENT OF FOOD & CATERING SERVICES	6
6.1 MONTHLY CHANGE OF FOOD & CATERING SERVICES FOR JUNE 2020	6
6.2 END OF PERIOD CHANGE OF FOOD & CATERING SERVICES FOR JUNE 2020	6
7 SUBSISTENCE LEVEL	7
7.1 SUBSISTENCE LEVEL	7
7.2 MONTHLY CHANGE OF THE SUBSISTENCE LEVEL FOR JUNE 2020	7
7.3 COMPARISON OF THE SUBSISTENCE LEVEL AND MINIMUM WAGE	7
APPENDICES	
APPENDIX 1: MONTHLY AND YEARLY % CHANGES IN THE CPI FOR JUNE 2020	
APPENDIX 2: EFFECT ON THE CPI PER SECTOR AND CATEGORY FOR JUNE 2020	9
APPENDIX 3: MONTHLY & YEARLY CHANGES (%) AND EFFECT IN THE FOOD & CATERING SERVICES FOR JUNE 2020.	1.0
APPENDIX 4: MONTHLY AND YEARLY % CHANGES AND EFFECT IN THE MAIN INDICES FOR JUNE 2020	
APPENDIX 5: COURSE OF INDICES FOR 2010 – UP TO JUNE 2020	
APPENDIX 6: GLOSSARY	

## A note to the reader

The following report presents the price statistics for June 2020.

- As of February 2017, the expenditure weights are based on the Household Expenditure Survey held by the CBS during the months of June to June of 2016. In order to calculate consistent annual rates of change, the CPI had to be calculated retrospectively for 2 years. Therefore, June of 2019 was chosen as the new base period for the CPI. Subsequently, the CPI figures for 2017, 2018 and 2019 were revised accordingly.
- At the end of June 2020 the Consumer Price Index (CPI) shows a decrease of 0.2% compared to the end of May 2020. The sector which affected the CPI the most was "Household operation" (-7.8%), which led to an effect of -0.56 percentage points (ppts) on the  $\Delta$  CPI of June 2020 (-0.2%).
- Compared to June 2019 the CPI decreased by 0.3%. The sector which affected the CPI the most was "Recreation and culture" (19.2%).
- The period average inflation for the period June 2019 June 2020 is 3.6%, which is 0.7 ppts lower compared to the period average inflation for the period June 2018 June 2019 (4.3%).
- Utilities (Water and Electricity) did not register price changes in June 2020. The price of gasoline registered an increase of 10.9% in June 2020 and caused an effect of 0.35 ppts on the  $\Delta$  CPI of June 2020. The price of diesel registered an increase of 2.2% in June 2020 and had an effect of 0.01 ppt on the  $\Delta$  CPI of June 2020.

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

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

#### **Contact information:**

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

Phone: 524-7436 Fax: 583-8057

E-mail: LdSilva@cbs.aw

## 1 Monthly change of the CPI

## 1.1 CPI and Inflation

The CPI of the total population of Aruba for the month of June 2020 is 99.75; a decrease of 0.2% compared to the CPI of May 2020 (99.96). An overview of the percentage change in the CPI ( $\Delta$ CPI) for different periods during 2019 and 2020 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 -0.3%, while the inflation over a period of 24 months (period average inflation) is 3.6%.

Table 1: Overview of △ CPI

		% Changes		Ind	ex
Period		2020 2019		Current	Last
Monthly	May - Jun	-0.2	0.8	99.75	99.96
Year-to-date	Dec - Jun	-1.9	3.4	99.75	101.66
Last 12 months <sup>1</sup>	Jun - Jun	-0.3	4.8	99.75	100.00
Last 24 months <sup>2</sup>	Jun - Jun	3.6	4.3	100.64	97.12

## Source: Central Bureau of Statistics Aruba

Figure 1 depicts the monthly  $\Delta$  CPI over a period of one year starting from June 2019, whereas the  $\Delta$  CPI for the month June for the years 2011 to 2020 is illustrated in Figure 2.

## 1.2 Changes in sector

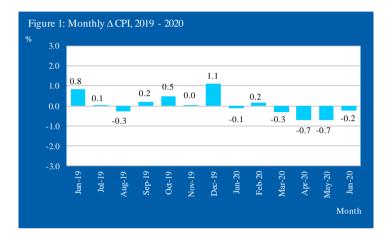
Figure 3 provides an overview of the percentage changes for the indices per sector for June 2020. The percentage change in index is further denoted as  $\Delta$  I. The largest  $\Delta$  I is observed for the "Household operation" sector with a decrease of 7.8%

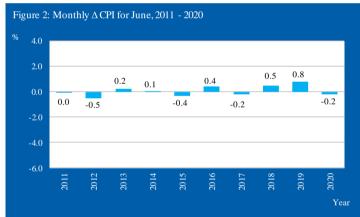
## 1.3 Changes in categories and subcategories

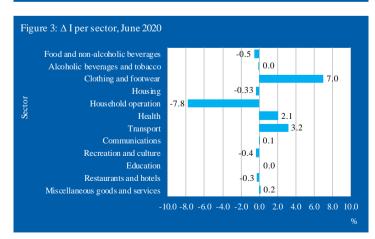
The largest positive and negative  $\Delta$  I is seen in the categories "Telephone and telefax equipment" (11.6%) and "Household appliances" (-32.4%). In the "Food and non-alcoholic beverages" sector a decrease of 0.6% is observed for the category "Food", while the "Non-alcoholic beverages" shows a slight decrease of 0.03%. In the "Transport" sector the major  $\Delta$  I is observed for the category "Operation of personal transport equipment" (5.4%). In the "Recreation and culture" sector the major  $\Delta$  I is observed for the category "Audio-visual, photographic and information processing equipment" (-30.8%)1.

The categories which influenced the CPI calculation the most are "Household appliances", "Operation of personal transport equipment" and "Clothing" which had an effect of respectively, -0.46, 0.36 and 0.11 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 June 2019, December 2019, May 2020 and June 2020 together with corresponding weights per sector and the monthly, year-to-date (ytd), end of period and period average percentage changes for June 2020. 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 June 2020 is presented. The course of indices for 2010 - up to June 2020 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.

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

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



## Consumer Price Index Aruba End of period change June 2020

## 2 End of period change of the CPI

## 2.1 End of period change CPI for June 2020

The CPI decreased from 100.00 in June 2019 to 99.75 in June 2020, a decrease of 0.3%. This  $\Delta$  CPI is the third lowest registered over a period of 5 years for the month June, and is 5.1 ppts lower than the  $\triangle$  CPI registered in 2019 (4.8%) (see table 2).

Table 2: End of period Δ CPI for June, 2016 - 2020

Period	Δ СРІ	Index
2015-2016	-0.8	93.04
2016-2017	-1.2	91.92
2017-2018	3.8	95.39
2018-2019	4.8	100.00
2019-2020	-0.3	99.75

Source: Central Bureau of Statistics Aruba

## 2.2 Changes in sector

An overview of the percentage change per sector over the period June 2019 - June 2020 is presented in table 3. The largest  $\Delta$  I is observed for the sector "Recreation and culture" with an increase of 19.2%. Furthermore, increases of 3.8%, 3.7% and 2.0% are observed for the "Health", "Clothing and footwear" and "Restaurants and hotels" sectors, respectively. A comparison of the  $\Delta$  I's for the years 2019 and 2020 is provided in figure 4.

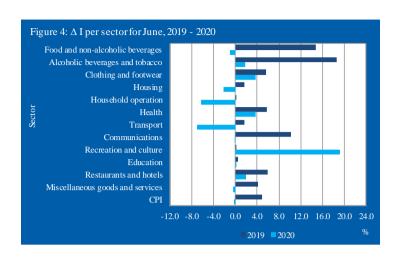
Table 3: Percentage change for June, 2019 - 2020

Sector	% Change
Food and non-alcoholic beverages	-1.0
Alcoholic beverages and tobacco	1.8
Clothing and footwear	3.7
Housing	-2.2
Household operation	-6.3
Health	3.8
Transport	-7.0
Communications	-0.2
Recreation and culture	19.2
Education	0.2
Restaurants and hotels	2.0
Miscellaneous goods and services	-0.4
СРІ	-0.3

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, "Holidays" (80.8%) and "Furniture, furnishings, carpets and other floor coverings" (-14.5%). 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 2011 - 2020

The end of year  $\Delta$  CPI for the period 2011 - 2020 is shown in figure 5. The  $\Delta$  CPI for 2020 is calculated by comparing the CPI of June 2020 with the CPI of December 2019. The ytd  $\Delta$  CPI for June 2020 is -1.9%.



\*ytd\*

## 2.5 Period average change CPI for June 2020

The period average change CPI (Δ ACPI) for June 2020 is 3.6%. Table 4 provides an overview of the  $\Delta$  ACPI for the month June for the years 2016 to 2020. The  $\Delta$  ACPI for 2020 decreased by 0.7 ppts compared to 2019 (4.3%).

Table 4: Overview of Δ ACPI for June, 2016 - 2020

Period	Δ ΑСΡΙ	Index
2015-2016	-0.6	93.18
2016-2017	-0.7	92.51
2017-2018	0.7	93.13
2018-2019	4.3	97.12
2019-2020	3.6	100.64

## 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 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 June 2020 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, 2019 - 2020

		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	Diesel <sup>5</sup>
Jun-19	54.66	34.52	35.72	265.65	137.05	209.50	183.70
Jul-19	57.28	34.52	35.72	265.65	137.05	208.00	174.20
Aug-19	55.17	34.52	35.72	265.65	137.05	215.10	177.20
Sep-19	57.03	34.52	35.72	265.65	137.05	204.50	172.80
Oct-19	53.77	34.52	35.72	265.65	137.05	205.10	178.40
Nov-19	56.74	34.52	35.72	265.65	137.05	203.30	177.70
Dec-19	59.73	34.52	35.72	265.65	137.05	203.70	175.60
Jan-20	57.92	31.09	31.99	240.09	137.05	204.60	179.20
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

#### 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 June 2020, 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.

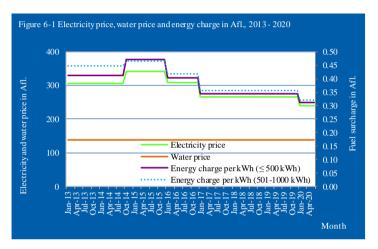
The total energy charge per kWh for a usage of electricity up to 500 kWh did not change in June 2020, it stayed at Afl. 31.09 cents per kWh. The total energy charge per kWh for a usage of electricity between 501 - 1000 kWh did not change in June 2020, it stayed at Afl. 31.99 cents per kWh.

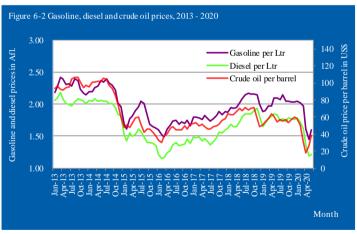
## 3.3 Water

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 June 2020, it remained at Afl. 137.05.

#### 3.4 Gasoline and Diesel

The retail price of gasoline increased by 10.9% from 144.7 cents per liter in May 2020 to 160.5 cents per liter in June 2020. In June 2020, the retail price of diesel registered an increase of 2.2% from 119.0 cents per liter in May 2020 to 121.6 cents per liter in June 2020.





<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 Δ CPI of Aruba's major trading partners starting from June 2019. In June 2020 the  $\Delta$  CPI of the USA, Curação and the Netherlands were 0.5%, 0.3% and 0.3%.

Table 6: Monthly Δ CPI 2019 - 2020 per Country

Period	Aruba	USA	Curaçao	Netherlands
Sep-19	0.2	0.1	-0.6	0.6
Oct-19	0.5	0.2	0.0	0.4
Nov-19	0.0	-0.1	-0.4	0.1
Dec-19	1.1	-0.1	0.1	0.1
Jan-20	-0.1	0.4	0.1	-0.8
Feb-20	0.2	0.3	-0.3	0.6
Mar-20	-0.3	-0.2	0.1	0.2
Apr-20	-0.7	-0.7	0.2	0.5
May-20	-0.7	0.0	-0.2	-0.1
Jun-20	-0.2	0.5	0.3	0.3
Jul-20	0.4	0.5	0.4	1.1
Aug-20	0.6	0.3	0.7	-0.5
Sep-20	0.2	0.1	0.5	-0.2

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 June 2020. Aruba's monthly Δ CPI for June 2020 is 0.7 ppt lower than the  $\Delta$  CPI of the USA.

Table 7: Overview of Δ CPI, 2020

Period		Aruba	USA
Monthly	May - Jun	-0.2	0.5
Year-to-date	Dec - Jun	-1.9	0.3
Last 12 months <sup>1</sup>	Jun - Jun	-0.3	0.6
Last 24 months <sup>2</sup>	Jun - Jun	3.6	1.6

Source: Central Bureau of Statistics Aruba

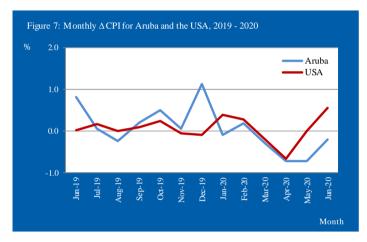
The  $\Delta$  CPI of Aruba over the last 12 months is 0.9 ppts lower compared to the USA's 12-month  $\Delta$  CPI. The  $\Delta$  CPI over the last 24 months for Aruba is 2.0 ppts higher than the  $\Delta$  CPI of the USA. The monthly inflation for both Aruba and the USA is depicted in figure 7 over a period of one year. Furthermore, an overview of the end of year  $\Delta$  CPI over the period 2010 - 2020 for Aruba and the USA is provided in table 8 and figure 8.

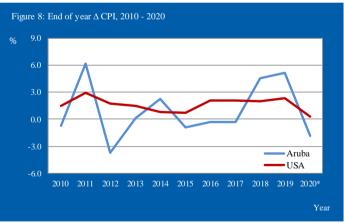
Table 8: End of year Δ CPI, 2010 - 2020

Period	Aruba	USA
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	5.2	2.3
2020*	-1.9	0.3

Source: Central Bureau of Statistics Aruba

<sup>\*</sup> ytd





\*ytd

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

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

 $<sup>^2\,</sup>$  "61% of Aruba's import by sea and air originates from the USA" (Source: Foreign Trade Statistics Report, 4th Quarter 2019).

## **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

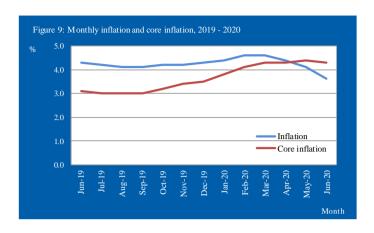
In June 2020 the core inflation (measured over the period June 2019 - 2020) was 4.3%. In June 2020 the food index was 9.5%, while the energy index shows a decrease of 4.4%.

Table 9: Monthly inflation and core inflation, 2019 - 2020

				Core
Period	Inflation	Food	Energy <sup>2</sup>	Inflation
Jun-19	4.3	12.4	2.5	3.1
Jul-19	4.2	12.5	1.9	3.0
Aug-19	4.1	12.8	1.4	3.0
Sep-19	4.1	13.1	0.8	3.0
Oct-19	4.2	13.5	0.3	3.2
Nov-19	4.2	13.5	-0.2	3.4
Dec-19	4.3	13.2	-0.3	3.5
Jan-20	4.4	13.0	-0.5	3.8
Feb-20	4.6	13.3	-0.7	4.1
Mar-20	4.6	12.7	-1.2	4.3
Apr-20	4.4	12.1	-2.1	4.3
May-20	4.1	10.9	-3.4	4.4
Jun-20	3.6	9.5	-4.4	4.3

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 June 2019.



## **5.3** End of year change of the core inflation, 2015 - 2020

The end of year core inflation of the total population of Aruba for the year 2020 (up to June) is 4.3%, an increase of 0.8 ppts compared to the core inflation of 2019. Table 10 provides an overview of the end of year inflation and core inflation over the period 2015 - 2020.

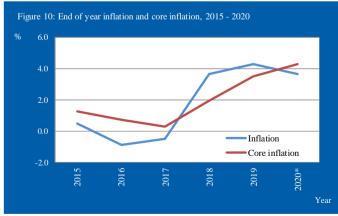
The end of year inflation and core inflation is presented in figure 10 over the period 2015 - 2020.

Table 10: End of year core inflation, 2015 - 2020

Period	2015	2016	2017	2018	2019	2020*
Inflation	0.5	-0.9	-0.5	3.6	4.3	3.6
Food	1.9	-0.1	0.8	12.2	13.2	9.5
Electricity	8.5	-9.9	-14.0	0.0	0.0	-4.8
Water	0.0	0.0	0.0	0.0	0.0	0.0
Gasoline and diesel	-20.1	-7.9	9.2	13.9	-1.1	-6.9
Core inflation	1.3	0.7	0.3	1.9	3.5	4.3

Source: Central Bureau of Statistics Aruba

Note: the figures for the years 2014-2017 are based on the weights of Dec 2006=10(  $^*$ current month



Note: the figures for the years 2014-2017 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 **June 2020**

The "Food & catering services" index showed a decrease of 0.5% in June 2020, after a decrease of 0.6% in May 2020. The index for "Food at home" showed a decrease of 0.5% in June, as six (6) of the eleven (11) "Food at home" indices decreased in June 2020. The "Fruit" index registered the largest decrease (-3.6%) in June 2020. Furthermore, decreases were posted in the indices for "Milk, cheese and eggs" (-0.9%), "Oils and fats" (-0.5%) and "Sugar, jam, honey and other confectionery" (-0.2%).

The "Potatoes and other tubers" index registered the largest increase (9.5%) in June 2020.

Table 11 provides an overview of the corresponding weights per food group together with the percentage changes and effect for June 2020.

Table 11: Percentage change of Food for June 2020

Food	Weight	% Change	Effect
Food & catering services	1,492.8	-0.5	-0.107
Food at home	1,125.3	-0.5	-0.092
Bread and cereals	205.2	2.3	0.049
Meat	229.8	-0.1	-0.003
Fish and other seafood	56.4	0.4	0.002
Milk, cheese and eggs	140.0	-0.9	-0.015
Oils and fats	31.6	-0.5	-0.002
Fruit	72.0	-3.6	-0.168
Potatoes and other tubers	18.5	9.5	0.023
Vegetables	75.7	0.7	0.011
Sugar, jam, honey and other confectionery	49.6	-0.2	-0.001
Food products n.e.c.	82.7	1.2	0.012
Non-alcoholic beverages	163.9	0.0	0.000
Food away from home	367.5	-0.3	-0.014
Other goods and services	8,507.2	-0.1	-0.112
Other goods	5,147.2	-0.3	-0.120
Other services	3,360.0	0.0	0.009
СРІ	10,000.0	-0.2	-0.218

Source: Central Bureau of Statistics Aruba

In June 2020, "Food at home" and "Food away from home" as a group showed a decrease in price of 0.5% compared to May 2020, and had an influence of -0.11 ppts on the CPI, while the remaining goods and services, as a group, experienced a decrease in price of 0.1%, causing an effect of -0.11 ppts on the CPI.

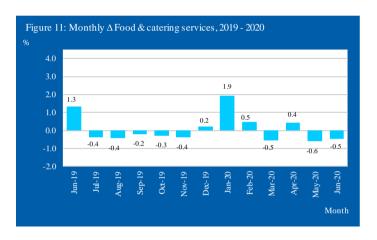
An overview of the percentage change and effect for "Food at home" and "Food away from home" for June 2020 is presented in table 12.

Table 12: Effect on the CPI of June 2020 of "Food at home" and "Food away from home"

Weight	% Change	Effect
1,087.7	-0.5	-0.09
429.8	-0.3	-0.01
1,517.5	-0.5	-0.11
8,482.5	-0.1	-0.11
10,000.0	-0.2	-0.22
	1,087.7 429.8 1,517.5 8,482.5	429.8 -0.3 1,517.5 -0.5 8,482.5 -0.1

Source: Central Bureau of Statistics Aruba

Figure 11 depicts the monthly  $\Delta$  Food and catering services over a period of one year starting from June 2019.



## 6.2 End of Period change of Food & catering services for June 2020

Over the last twelve (12) months, the "Food & catering services" has decreased by 0.4%. The "Food at home" index showed a decrease of 1.0%. The "Fruit" index decreased by 7.8%, the largest decrease among the "Food at home" food groups, while the "Potatoes and other tubers" and "Food products n.e.c." indices increased by 6.2%, the largest increases among the "Food at home" food groups.

The index for "Food away from home" shows a decrease of 0.3% in June 2020 and has increased by 2.0% over the last twelve (12) months.

Table 18 provides an overview of the monthly and end of period percentage changes and effect for June 2020 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 June 2020

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 June. Over a period of one year the subsistence level decreased by Afl. 36, from Afl. 5,005 in June 2019 to Afl. 4,969 in June 2020. The "Recreation and culture" sector shows the largest increase (Afl. 32), 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 June, 2016 - 2020

						Change in Afl.
Sector	Jun-16	Jun-17	Jun-18	Jun-19	Jun-20	Jun-19 - Jun-20
Food and non-alcoholic beverages	1,577	1,682	1,915	2,197	2,174	-23
Clothing and footwear	248	252	250	264	273	9
Housing	1,401	1,336	1,337	1,358	1,329	-29
Household operation	129	126	128	128	120	-8
Health	70	72	74	78	81	3
Transport	241	246	268	272	253	-19
Communications	129	124	127	140	139	-1
Recreation and culture	179	166	170	170	202	32
Education	64	73	74	75	75	0
Miscellaneous goods and services	306	310	311	324	322	-2
Total	4,344	4,387	4,652	5,005	4,969	-36

Source: Central Bureau of Statistics Aruba

An overview of the subsistence level, for the most common family types, over the period June 2019 - June 2020 is presented in table 14.

Table 14: Subsistence level in Aruba (in Afl.) by family size and composition, June 2020 (Base period June 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						
Jun-19	2,384	3,099	3,575	4,290	5,005						
Jul-19	2,379	3,093	3,569	4,283	4,997						
Aug-19	2,372	3,084	3,558	4,270	4,981						
Sep-19	2,377	3,090	3,566	4,279	4,992						
Oct-19	2,382	3,096	3,573	4,287	5,002						
Nov-19	2,375	3,087	3,562	4,274	4,987						
Dec-19	2,387	3,103	3,581	4,297	5,013						
Jan-20	2,393	3,111	3,590	4,308	5,026						
Feb-20	2,395	3,114	3,593	4,311	5,030						
Mar-20	2,385	3,101	3,578	4,293	5,009						
Apr-20	2,382	3,096	3,573	4,287	5,002						
May-20	2,366	3,076	3,549	4,259	4,968						
Jun-20	2,366	3,076	3,550	4,259	4,969						

Source: Central Bureau of Statistics Aruba

## 7.3 Comparison of the subsistence level and minimum wage

In June 2020 the subsistence level for a single adult household is Afl. 2.366, which represents an income deficit of Afl. 551, a decrease of Afl. 48 compared to the deficit observed one year ago (Afl. 599). This deficit is the second highest registered over a period of five years for the month June.

Tabel 15: Monthly income surplus/deficit (in Afl.) for a single adult household for September, 2016 - 2020

		Minimum	
Period	1 adult	wage	Surplus/deficit
2016	2,065	1,678	-387
2017	2,085	1,711	-374
2018	2,208	1,711	-497
2019	2,377	1,762	-615
2020	2,379	1,815	-564



Table 16: Monthly & Yearly Changes (%) in the Consumer Price Index for June 2020, Total Population (Jun 2019 = 100)

Table 16: Worthly & Yearly Changes (%) in the Consumer i			2019	2020	2020			Ford of constant	Desired assesses
DESCRIPTION	WEIGHT		Dec	May	Jun	Monthly May - Jun	Ytd Dec - Jun	End of period Jun 19 - Jun 20	Period average Jun 19 - Jun 20
Food and non-alcoholic beverages	1,087.7	162.38	158.32	161.54	160.70	-0.5	1.5	-1.0	9.2
Food				165.99		-0.6	1.7	-1.3	9.5
Non-alcoholic beverages	123.6	124.57	127.08	126.89	126.86	0.0	-0.2	1.8	6.3
Alcoholic beverages and tobacco	79.2	122 17	122 04	134.54	124 51	0.0	1.1	1.8	10.2
Alcoholic beverages and tobacco				114.64		0.0	-0.2	0.1	11.9
Tobacco				211.88		0.0	4.1	5.4	6.7
Clothing and footwear	276.8	76.60	83.63	74.21	79.41	7.0	-5.0	3.7	4.0
Clothing	212.8	80.82	89.29	81.44	86.76	6.5	-2.8	7.3	7.3
Footwear	64.0	62.56	64.80	50.19	54.98	9.5	-15.2	-12.1	-8.9
Housing	•			100.91		-0.3	-2.5	-2.2	-0.1
Actual rentals for housing Imputed rentals for housing				128.07 105.29		0.1 0.0	0.7 0.0	1.4 0.0	1.5 0.7
Maintenance and repair of the dwelling		89.76	87.75	90.18	88.34	-2.0	0.7	-1.6	3.4
Water supply and miscellaneous services relating to the dwelling		95.30	98.34	98.34	98.34	0.0	0.0	3.2	1.9
Electricity, gas and other fuels		96.16	96.16	87.19	87.19	0.0	-9.3	-9.3	-4.7
Household operation	929.2	74.92	76.96	76.21	70.23	-7.8	-8.7	-6.3	0.8
Furniture, furnishings, carpets and other floor coverings		45.54	37.81	33.25	28.41	-14.5	-24.8	-37.6	-16.1
Household textiles		61.06	56.79	42.76	39.18	-8.4	-31.0	-35.8	-15.8
Household appliances		47.29	59.20	58.05	39.23	-32.4	-33.7	-17.0	9.0
Glassware, tableware and household utensils		64.48	63.13	62.46	63.14	1.1	0.0	-2.1	2.9
Tools and equipment for house and garden Goods and services for routine household maintenance and cleaning		46.85	48.86	49.40 108.92	50.75	2.7 -0.4	3.9 1.8	8.3 2.0	-2.2 2.2
Goods and services for routine nouseriold maintenance and cleaning	420.5	100.55	100.00	100.92	100.49	-0.4	1.0	2.0	2.2
Health	223.1	85.22	83.93	86.64	88.44	2.1	5.4	3.8	0.0
Medical products, appliances and equipment		88.90	87.78	90.48	93.00	2.8	5.9	4.6	0.3
Out-patient services	52.4	77.72	77.72	80.77	80.36	-0.5	3.4	3.4	1.1
Other treatments	7.8	76.07	76.36	79.35	78.95	-0.5	3.4	3.8	2.4
Health products and services n.e.c.	10.5	76.07	64.78	65.71	69.77	6.2	7.7	-8.3	-12.5
Transport	1,257.4				93.00	3.2	-8.7	-7.0	-0.5
Purchase of vehicles		90.24	95.69 105.21	95.48	95.48 91.74	0.0 5.4	-0.2 -12.8	5.8 -13.9	3.4 -3.4
Operation of personal transport equipment Transport services			105.21		90.34	0.0	-12.8 -14.0	-13.9 4.6	-3.4 18.8
Transport services	31.3	00.50	103.11	30.34	30.34	0.0	14.0	4.0	10.0
Communications	849.6	78.02	77.90	77.80	77.89	0.1	0.0	-0.2	3.1
Telephone and telefax equipment	43.8	18.63	16.36	14.41	16.09	11.6	-1.7	-13.6	-17.5
Telephone and telefax services	805.8	81.25	81.25	81.25	81.25	0.0	0.0	0.0	3.3
Recreation and culture	1,013.3			98.48	98.09	-0.4	2.9	19.2	16.2
Audio-visual, photographic and information processing equipment		54.86	72.13		39.95	-30.8	-44.6	-27.2	-9.0
Other major durables for recreation and culture Other recreational items and equipment; gardens and pets		33.65	38.43	26.73 122.12	27.63	3.4	-28.1 3.3	-17.9 5.1	-2.3 6.0
Recreational items and equipment; gardens and pets  Recreational and cultural services		89.04	88.54		94.40	1.5 0.0	6.6	6.0	2.9
Newspapers, books and stationery		76.39	75.57	71.79	71.70	-0.1	-5.1	-6.1	0.4
Holidays				98.30		0.4	7.6	80.8	70.8
Education	98.0	109.30	109.30	109.49	109.49	0.0	0.2	0.2	0.1
Pre primary and primary education	24.0	86.66	86.66	86.66	86.66	0.0	0.0	0.0	0.0
Secondary education	43.4	94.62	94.62	94.62	94.62	0.0	0.0	0.0	0.0
Post-secondary non-tertiary education				102.85		0.0	0.0	0.0	0.0
Tertiary education				160.49		0.0	0.0	0.0	0.0
Education not definable by level	2.5	109.74	109.74	117.06	117.06	0.0	6.7	6.7	3.3
Restaurants and hotels	442.0	117 02	110 00	119.72	110 20	-0.3	-0.5	2.0	3.3
Catering services				120.83		-0.3 -0.3	0.2	2.0	3.3
Accommodation services				80.30		-0.3	-25.7	0.6	3.8
							-		
Miscellaneous goods and services	1,222.6	86.67	86.51	86.17	86.30	0.2	-0.2	-0.4	2.0
Personal care	427.1	101.75	101.09	100.95	101.51	0.6	0.4	-0.2	2.0
Personal effects n.e.c.				103.48		-0.7	-4.3	-3.6	12.1
Social protection				115.39		0.0	0.0	0.0	0.0
Insurance	610.7	68.97	68.97	69.06	69.06	0.0	0.1	0.1	0.1
	10 000 -	100.00	101.55	00.00	00.75	0.2	4.0	6.2	2.5
CPI Source: Central Bureau of Statistics Aruba	10,000.0	100.00	101.66	99.96	99.75	-0.2	-1.9	-0.3	3.6



Table 17: Monthly & Yearly Effect on the Consumer Price Index per sector and category for June 2020 (Jun 2019 = 100)

DESCRIPTION	WEIGHT coefficient	Monthly May - Jun	Ytd Dec - Jun	End of period Jun 19 - Jun 20	Period avera Jun 19 - Jun
<u>'</u>				•	
Food and non-alcoholic beverages	1,087.7	-0.09	0.25	-0.18	1.52
Food	964.1	-0.09	0.26	-0.21	1.42
Non-alcoholic beverages	123.6	0.00	0.00	0.03	0.10
Alcoholic beverages and tobacco	78.2	0.00	0.01	0.02	0.10
Alcoholic beverages for consumption at home	62.2	0.000	0.00	0.00	0.08
Tobacco	16.0	0.000	0.01	0.02	0.02
Clothing and footwear	276.8	0.14	-0.11	0.08	0.09
Clothing	212.8	0.11	-0.05	0.13	0.13
Footwear	64.0	0.03	-0.06	-0.05	-0.04
Housing	2,522.2	-0.08	-0.65	-0.57	-0.02
Actual rentals for housing	666.7	0.01	0.06	0.12	0.13
Imputed rentals for housing	34.4	0.00	0.00	0.00	0.00
Maintenance and repair of the dwelling	517.0	-0.09	0.03	-0.07	0.16
Water supply and miscellaneous services relating to the dwelling	463.6	0.00	0.00	0.14	0.08
Electricity, gas and other fuels	840.4	0.00	-0.74	-0.75	-0.39
Household operation	929.2	-0.56	-0.61	-0.44	0.06
Furniture, furnishings, carpets and other floor coverings	128.8	-0.06	-0.12	-0.22	-0.10
Household textiles	58.6	-0.02	-0.10	-0.13	-0.06
Household appliances	246.0	-0.46	-0.48	-0.20	0.12
Glassware, tableware and household utensils	17.2	0.00	0.00	0.00	0.00
Tools and equipment for house and garden	58.2	0.01	0.01	0.02	-0.01
oods and services for routine household maintenance and cleaning	420.5	-0.02	0.08	0.09	0.10
Health	223.1	0.04	0.10	0.07	0.00
Medical products, appliances and equipment	152.3	0.04	0.08	0.06	0.00
Out-patient services	52.4	0.00	0.01	0.01	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	0.01	-0.01	-0.01
Transport	1,257.4	0.36	-1.09	-0.88	-0.06
Purchase of vehicles	442.6	0.00	-0.01	0.23	0.14
Operation of personal transport equipment	763.3	0.36	-1.01	-1.13	-0.28
Transport services	51.5	0.00	-0.07	0.02	0.08
Communications	849.6	0.01	0.00	-0.01	0.20
Telephone and telefax equipment	43.8	0.01	0.00	-0.01	-0.02
Telephone and telefax services	805.8	0.00	0.00	0.00	0.22
Recreation and culture	1,013.3	-0.04	0.27	1.60	1.34
Audio-visual, photographic and information processing equipment	58.5	-0.10	-0.19	-0.09	-0.03
Other major durables for recreation and culture	20.0	0.00	-0.02	-0.01	0.00
Other recreational items and equipment; gardens and pets	266.6	0.05	0.10	0.16	0.19
Recreational and cultural services	309.1	0.00	0.18	0.17	0.08
Newspapers, books and stationery Holidays	43.7 315.4	0.00 0.01	-0.02 0.22	-0.02 1.39	0.00 1.10
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
Restaurants and hotels	442.0	-0.01	-0.02	0.10	0.17
Catering services	429.8	-0.01	0.01	0.10	0.17
Accommodation services	12.2	0.00	-0.03	0.00	0.00
Miscellaneous goods and services	1,222.6	0.02	-0.03	-0.04	0.22
Personal care	427.1	0.02	0.02	-0.01	0.09
Personal effects n.e.c.	106.6	-0.01	-0.05	-0.04	0.13
Conial muntantian	78.2	0.00	0.00	0.00	0.00
Social protection					
Insurance	610.7	0.00	0.01	0.01	0.00



# COS Consumer Price Index Aruba

			nange		), Total Population (Jun 2019			
animan.	WEIGHT			Effect  Monthly End of period				
CRIPTION	WEIGHT coefficient	Monthly May - Jun	End of period Jun 19 - Jun 20	Monthly May - Jun	End of period Jun 19 - Jun 20			
od & catering services	1,517.5	-0.5	-0.4	-0.107	-0.080			
Food at home	1,087.7	-0.5	-1.0	-0.092	-0.183			
Bread and cereals	178.1	2.3	3.0	0.049	0.064			
Rice	23.5	0.4	1.3	0.001	0.004			
Bread	72.1	6.5	8.3	0.063	0.079			
Pasta products	9.2	0.4	1.6	0.000	0.002			
Other cereals and cereal products	73.3	-2.0	-2.7	-0.015	-0.021			
Meat	242.5	-0.1	2.0	-0.003	0.061			
Bovine	67.3	0.8	4.5	0.007	0.037			
Swine	25.5	-0.2	4.0	-0.001	0.012			
Poultry Other meat and meat preparations	75.7 74.0	-1.2 0.3	-1.6 3.1	-0.012 0.003	-0.016 0.028			
Fish and other seafood	49.0	0.4	2.8	0.002	0.015			
Fish and seafood preparations	49.0	0.4	2.8	0.002	0.015			
Milk, cheese and eggs	135.3	-0.9	2.3	-0.015	0.040			
Cheese	55.4	-0.1	2.1	-0.001	0.016			
Eggs	16.6	-4.2	14.8	-0.008	0.024			
Milk	40.0	-0.4	0.5	-0.002	0.003			
Other milk products	23.3	-0.4	-1.3	-0.002	-0.003			
Oils and fats	32.2	-0.5	2.5	-0.002	0.012			
Corn oil	2.8	-0.6	0.1	0.000	0.000			
Butter and margarine	9.2	-0.1	-0.8	0.000	-0.001			
Other oils and fats	20.1	-0.7	4.8	-0.002	0.013			
Fruit	97.6	-3.6	-7.8	-0.168	-0.383			
Oranges	9.4	0.2	14.6	0.000	0.016			
Bananas and plantains	19.9	-7.8	-10.2	-0.036	-0.048			
Apples	9.3	-1.4	-4.3	-0.002	-0.007			
Avocado	5.0	-0.9	-20.4	-0.008	-0.233			
Grapes	9.2	-4.9	-32.9	-0.008	-0.080			
Nuts	11.9	1.5	2.9	0.002	0.003			
Lemons and mandarins	6.0	-15.3	-16.2	-0.011	-0.011			
Cherries and strawberries	8.8	-7.7	-11.3	-0.080	-0.122			
Melons and watermelons	7.7	-3.7	7.9	-0.031	0.060			
Papayas and pineapples	6.9	-1.2	-4.7	-0.007	-0.028			
Other fruits and fruit products	3.5	6.0	37.9	0.014	0.068			
Potatoes and other tubers	18.2	9.5	6.2	0.023	0.016			
Potatoes	12.2	12.3	8.4	0.023	0.016			
Other tubers	2.0	-1.4	3.6	0.000	0.001			
Sweet potatoes and yucca	4.0	0.3	-4.7	0.000	-0.001			
Vegetables	89.1	0.7	-5.5	0.011	-0.093			
Lettuce	6.8	4.6	-9.4	0.002	-0.005			
Tomatoes	9.7	-12.9	18.3	-0.020	0.021			
Onions and garlic	18.7	3.7	-5.1	0.020	-0.031			
Celery and broccoli	15.3	0.7	-20.8	0.002	-0.080			
Other vegetables	15.3	2.2	4.4	0.005	0.009			
Other preserved or processed vegetables	8.4		13.4	0.000	0.003			
Frozen vegetable mixtures	14.8	1.1	-5.3	0.002	-0.010			
Sugar, jam, honey and other confectionery	42.0	-0.2	0.0	-0.001	0.000			
Sugar	12.1	-0.5	-0.9	-0.001	-0.001			
Jams and jellies	2.5	-1.6	1.9	0.000	0.001			
Other confectionery products	27.5	0.1	0.2	0.000	0.001			
Food products n.e.c.	80.1	1.2	6.2	0.012	0.056			
Other food products	80.1	1.2	6.2	0.012	0.056			
Non alsohalis havayagas	123.6	0.0	1.8	0.000	0.028			
Non-alcoholic beverages  Coffee and tea	20.9	2.1	1.1	0.004	0.028			
Other non-alcoholic beverages	14.6	-0.8	2.3	-0.002	0.002			
Soft and sports drinks	31.0	-0.8	2.0	-0.002	0.004			
Soft and sports drinks  Fruit juices	31.0 57.1	-1.3 0.3	2.0 1.9	-0.005 0.002	0.008			
Food away from home	429.8	-0.3	2.0	-0.014	0.104			
Food and beverage consumption away from home	429.8	-0.3	2.0	-0.014	0.104			
er goods and services	8,482.5	-0.1	-0.2	-0.112	-0.175			
Other goods	4,735.8	-0.3	-4.8	-0.120	-2.038			
Other services	3,746.7	0.0	5.4	0.009	1.863			
	10,000							
		-0.2	-0.3	-0.218	-0.255			



Table 19: CPI: Main indices for June 2020, Total Population (Jun 2019 = 100)

DESCRIPTION	WEIGHT	2019	2019	2020	2020	Monthly	Ytd	End of period	Period average
	coefficient	Jun	Dec	May	Jun	May - Jun	Dec - Jun	Jun 19 - Jun 20	Jun 19 - Jun 20
CPI for "All items"	10,000.0	100.00	101.66	99.96	99.75	-0.2	-1.9	-0.3	3.6
CPI for "Goods"	6,272.5	103.40	103.52	99.95	99.59	-0.4	-3.8	-3.7	3.0
CPI for "Durable goods"	1,293.2	72.62	76.20	74.48	70.01	-6.0	-8.1	-3.6	2.6
CPI for "Semi-durable goods"	954.1	75.64	79.95	74.35	75.98	2.2	-5.0	0.5	2.6
CPI for "Non-durable goods"	4,025.2	118.17	116.46	112.61	113.28	0.6	-2.7	-4.1	3.1
CPI for "Services"	3,727.5	95.26	99.07	99.98	99.97	0.0	0.9	4.9	4.6
CPI for "Gasoline" and "Diesel"	552.3	107.67	104.55	74.00	81.61	10.3	-21.9	-24.2	-6.9
CPI for "Food at home"	961.4	167.23	162.32	165.99	165.03	-0.6	1.7	-1.3	9.5
CPI excluding "Food and non-alcoholic beverages"	8,874.7	92.39	94.75	92.45	92.31	-0.2	-2.6	-0.1	2.5
CPI excluding "Gasoline" and "Diesel"	9,447.7	99.63	101.52	101.22	100.62	-0.6	-0.9	1.0	4.2
CPI excluding "Food and non-alcoholic beverages", "Gasoline" and "Diese	8,322.4	91.55	94.21	93.45	92.89	-0.6	-1.4	1.5	3.1
CPI excluding "Rentals actually paid by tenants or subtenants"	9,145.8	98.11	99.83	97.96	97.71	-0.3	-2.1	-0.4	3.8
CPI excluding "Housing"	7,446.7	99.04	101.15	99.65	99.47	-0.2	-1.7	0.4	4.9
CPI excluding "Gasoline", "Diesel", "Water" and "Electricity"	8,289.2	100.06	102.22	102.78	102.10	-0.7	-0.1	2.0	5.2

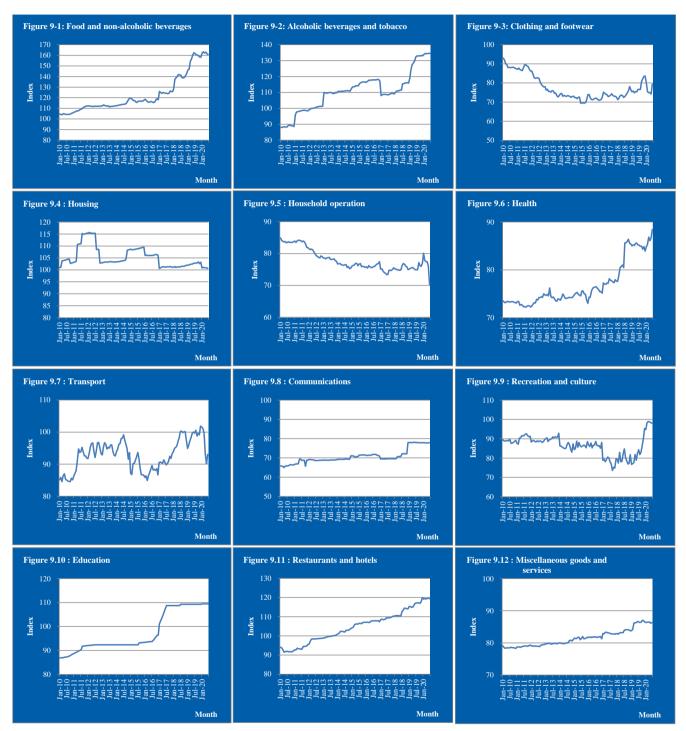
Source: Central Bureau of Statistics Aruba

APPENDIX 5

Table 20: CPI: Effect on main indices for June 2020, Total Population (Jun 2019 = 100)

DESCRIPTION	WEIGHT coefficient	Monthly May - Jun	Ytd Dec - Jun	End of period Jun 19 - Jun 20	Period average Jun 19 - Jun 20
CPI for "All items"	10,000.0	-0.22	-1.88	-0.25	3.62
CPI for "Goods"	6,272.5	-0.21	-2.25	-2.22	1.76
CPI for "Durable goods"	1,293.2	-0.58	-0.79	-0.34	0.25
CPI for "Semi-durable goods"	954.1	0.10	-0.25	0.02	0.13
CPI for "Non-durable goods"	4,025.2	0.26	-1.22	-1.90	1.38
CPI for "Services"	3,727.5	-0.01	0.37	1.97	1.86
CPI for "Gasoline" and "Diesel"	552.3	0.35	-1.04	-1.20	-0.34
CPI for "Food at home"	961.4	-0.09	0.26	-0.21	1.42
CPI excluding "Food and non-alcoholic beverages"	8,874.7	-0.13	-2.14	-0.07	2.10
CPI excluding "Gasoline" and "Diesel"	9,447.7	-0.57	-0.85	0.95	3.96
CPI excluding "Food and non-alcoholic beverages", "Gasoline" and "Diese	8,322.4	-0.48	-1.10	1.13	2.45
CPI excluding "Rentals actually paid by tenants or subtenants"	9,145.8	-0.23	-1.95	-0.37	3.49
CPI excluding "Housing"	7,446.7	-0.13	-1.24	0.32	3.64
CPI excluding "Gasoline", "Diesel", "Water" and "Electricity"	8,289.2	-0.57	-0.10	1.70	4.35

## Course of Indices for 2010 up to June 2020



## **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.