# **Consumer Price Index**

# February 2022





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# A note to the reader

The following report presents the price statistics for February 2022.

- 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 2022, the Consumer Price Index (CPI) shows an increase of 0.4% compared to the end of January 2022. The sector which affected the CPI the most was "Transport" (2.1%), which led to an effect of 0.28 percentage points (ppts) on the Δ CPI of February 2022 (0.4%).
- Compared to February 2021 the CPI increased by 3.5%. The sector which affected the CPI the most was "Transport" (12.1%), which led to an effect of 1.50 ppts.
- The period average inflation for the period February 2021 February 2022 is 1.7%, which is 3.9 ppts higher compared to the period average inflation for the period February 2020 February 2021 (-2.2%).
- Utilities (Water and Electricity) did not register price changes in February 2022. The price of gasoline registered an increase of 6.5% in February 2022 and had an effect of 0.31 ppts on the Δ CPI of February 2022. The price of diesel registered an increase of 9.8% in February 2022 and had an effect of 0.03 ppts on the Δ CPI of February 2022.

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.

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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 February 2022 is 100.44; an increase of 0.4% compared to the CPI of January 2022 (100.07). An overview of the percentage change in the CPI ( $\Delta$  CPI) for different periods during 2021 and 2022 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 3.5%, while the inflation over a period of 24 months (period average inflation) is 1.7%.

#### Table 1: Overview of ∆ CPI

		% Changes		Ind	ex
Period		2022	2021	Current	Last
Monthly	Jan - Feb	0.4	0.1	100.44	100.07
Year-to-date	Dec - Feb	-0.2	-0.1	100.44	100.60
Last 12 months <sup>1</sup>	Feb - Feb	3.5	-1.9	100.44	97.00
Last 24 months <sup>2</sup>	Feb - Feb	1.7	-2.2	98.96	97.30

Source: Central Bureau of Statistics Aruba

<sup>1</sup> End of period inflation

<sup>2</sup> Period average inflation

Figure 1 depicts the monthly  $\Delta$  CPI over a period of one year starting from February 2021, whereas the  $\Delta$  CPI for the month February for the years 2013 to 2022 is illustrated in Figure 2.

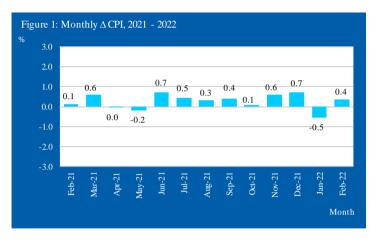
# 1.2 Changes in sector

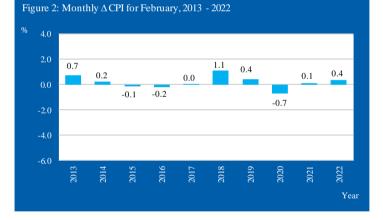
Figure 3 provides an overview of the percentage changes for the indices per sector for February 2022. The percentage change in index is further denoted as  $\Delta$  I. The largest  $\Delta$  I is observed for the "Clothing and footwear" sector with a decrease of 3.5%.

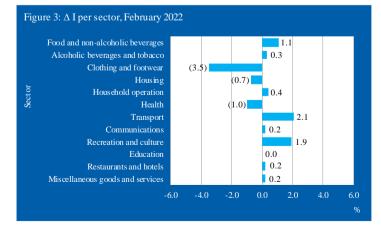
# 1.3 Changes in categories and subcategories

The largest positive and negative  $\Delta$  I is seen in the categories "Telephone and telefax equipment" (32.1%) and "Glassware, tableware and household utensils" (-15.3%). In the "Food and non-alcoholic beverages" sector increases of 1.0% and 1.7% are observed for the categories "Food" and "Non-alcoholic beverages", respectively. In the "Housing" sector the major  $\Delta$  I is observed for the category "Maintenance and repair of the dwelling" (-4.2%). In the "Transport" sector the major  $\Delta$  I is observed for the category "Operation of personal transport equipment" (4.9%). In the "Recreation and culture" sector the major  $\Delta$  I is observed for the category "Audio-visual, photographic and information processing equipment" (11.4%)<sup>1</sup>.

The categories which influenced the CPI calculation the most are "Operation of personal transport equipment", "Maintenance and repair of the dwelling" and "Holidays" which had an effect of respectively, 0.40, -0.23 and 0.17 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 February 2021, December 2021, January 2022 and February 2022 together with corresponding weights per sector and the monthly, year-to-date (ytd), end of period and period average percentage changes for February 2022. 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 2022 is presented. The course of indices for 2010 – up to February 2022 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.

# COS CONSUMER Price INDEX Aruba End of period change November 2021

# 2 End of period change of the CPI

# 2.1 End of period change CPI for February 2022

The CPI increased from 97.00 in February 2021 to 100.44 in February 2022, an increase of 3.5%. This  $\Delta$  CPI is the highest registered over a period of 6 years for the month February, and is 5.4 ppts higher than the  $\Delta$  CPI registered in 2021 (-1.9%) (see table 2).

#### Table 2: End of period $\Delta$ CPI for February, 2017 - 2022

Period	Δ CPI	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
2021-2022	3.5	100.44

Source: Central Bureau of Statistics Aruba

# 2.2 Changes in sector

An overview of the percentage change per sector over the period February 2021 - February 2022 is presented in table 3. The largest  $\Delta$  I is observed for the sector "Transport" with an increase of 12.1%. Furthermore, increases of 7.2%, 6.1% and 5.1% are observed for the "Clothing and footwear", "Food and non-alcoholic beverages" and "Restaurants and hotels" sectors, respectively. A comparison of the  $\Delta$  I's for the years 2021 and 2022 is provided in figure 4.

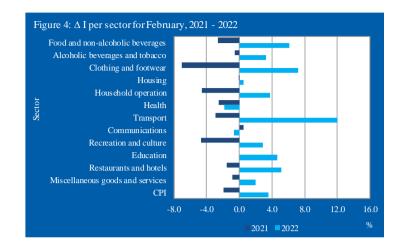
#### Table 3: Percentage change for February, 2021 - 2022

Sector	% Change
Food and non-alcoholic beverages	6.1
Alcoholic beverages and tobacco	3.3
Clothing and footwear	7.2
Housing	0.5
Household operation	3.8
Health	-1.9
Transport	12.1
Communications	-0.7
Recreation and culture	2.8
Education	4.6
Restaurants and hotels	5.1
Miscellaneous goods and services	2.0
СРІ	3.5

Source: Central Bureau of Statistics Aruba

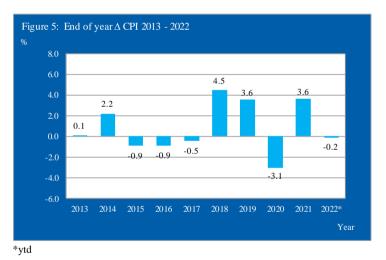
# 2.3 Changes in categories

The largest positive and negative  $\Delta$  I in categories observed over a period of one year are respectively, "Social protection" (26.7%) and "Glassware, tableware and household utensils" (-19.6%). 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 2013 - 2022

The end of year  $\Delta$  CPI for the period 2013 - 2022 is shown in figure 5. The  $\Delta$  CPI for 2022 is calculated by comparing the CPI of February 2022 with the CPI of December 2021. The ytd  $\Delta$  CPI for February 2022 is -0.2%.



# 2.5 Period average change CPI for February 2022

The period average change CPI ( $\Delta$  ACPI) for February 2022 is 1.7%. Table 4 provides an overview of the  $\Delta$  ACPI for the month February for the years 2018 to 2022. The  $\Delta$  ACPI for 2022 increased by 3.9 ppts compared to 2021 (-2.2%).

#### Table 4: Overview of Δ ACPI for February, 2018 - 2022

Period	Δ ΑCPI	Index
2017-2018	-0.6	92.15
2018-2019	3.9	95.75
2019-2020	3.9	99.45
2020-2021	-2.2	97.30
2021-2022	1.7	98.96

Source: Central Bureau of Statistics Aruba

Tral bureau of statistics Consumer Price Index Aruba Indices of main sectors and utilities

# **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 2022 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 6-2.

#### 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-21	59.10	31.09	31.99	240.09	137.05	196.30	158.60
Mar-21	62.62	31.09	31.99	240.09	137.05	208.78	170.90
Apr-21	61.52	31.09	31.99	240.09	137.05	221.60	175.80
May-21	65.17	31.09	31.99	240.09	137.05	222.10	174.60
Jun-21	70.97	31.09	31.99	240.09	137.05	225.80	183.00
Jul-21	72.61	31.09	31.99	240.09	137.05	230.70	188.70
Aug-21	67.62	31.09	31.99	240.09	137.05	235.70	189.30
Sep-21	70.50	31.09	31.99	240.09	137.05	233.60	185.60
Oct-21	80.49	31.09	31.99	240.09	137.05	234.20	193.20
Nov-21	80.13	31.09	31.99	240.09	137.05	246.40	209.00
Dec-21	71.41	31.09	31.99	240.09	137.05	239.00	202.30
Jan-22	83.06	31.09	31.99	240.09	137.05	230.60	195.00
Feb-22	91.32	31.09	31.99	240.09	137.05	245.70	214.10

Source: Central Bureau of Statistics Aruba

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

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

<sup>3</sup> Electricty price in Afl.

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

<sup>5</sup> 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 February 2022, it remained at Afl. 240.09. Figure 6-1 provides an overview of the course of changes in the electricity price for the period 2014 to 2022.

The total energy charge per kWh for a usage of electricity up to 500 kWh did not change in February 2022, 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 2022, 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 2014 to 2022. The water price for an average usage by households did not change in February 2022, it remained at Afl. 137.05.

### **3.4 Gasoline and Diesel**

The retail price of gasoline increased by 6.5% from 230.6 cents per liter in January 2022 to 245.7 cents per liter in February 2022. In February 2022, the retail price of diesel registered an increase of 9.8% from 195.0 cents per liter in January 2022 to 214.4 cents per liter in February 2022.

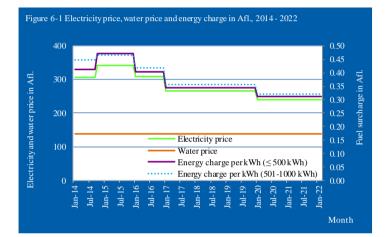
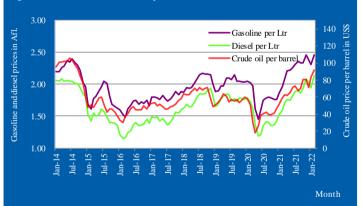


Figure 6-2 Gasoline, diesel and crude oil prices, 2014 - 2021



CDS CONSUMER PRICE INDEX Aruba CPI of Aruba's major trading partners

# 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 February 2021. In February 2022 the  $\Delta$  CPI of the USA and the Netherlands were 0.9% and 0.6%, respectively. The  $\Delta$  CPI of Curaçao for February 2022 is not yet available.

#### Table 6: Monthly Δ CPI 2021 - 2022 per Country

Period	Aruba	USA	Curaçao	Netherlands
Feb-21	0.1	0.5	0.3	0.9
Mar-21	0.6	0.7	0.4	0.3
Apr-21	0.0	0.8	0.8	0.5
May-21	-0.2	0.8	0.4	0.1
Jun-21	0.7	0.9	0.1	0.2
Jul-21	0.5	0.5	0.5	0.5
Aug-21	0.3	0.2	0.5	0.4
Sep-21	0.4	0.3	-0.1	0.1
Oct-21	0.1	0.8	0.3	1.3
Nov-21	0.6	0.5	0.7	0.9
Dec-21	0.7	0.3	0.7	0.7
Jan-22	-0.5	0.8	n.a.	0.5
Feb-22	0.4	0.9	n.a.	0.6

Source: CBS Aruba, Bureau of Labor Statistics (USA), CBS Curaçao 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 2022. Aruba's monthly  $\Delta$  CPI for February 2022 is 0.5 ppts lower than the  $\Delta$  CPI of the USA.

#### Table 7: Overview of Δ CPI, 2022

Period		Aruba	USA
Monthly	Jan - Feb	0.4	0.9
Year-to-date	Dec - Feb	-0.2	1.8
Last 12 months <sup>1</sup>	Feb - Feb	3.5	7.9
Last 24 months <sup>2</sup>	Feb - Feb	1.7	5.7

Source: Central Bureau of Statistics Aruba

<sup>1</sup> End of period inflation

<sup>2</sup> Period average inflation

The  $\Delta$  CPI of Aruba over the last 12 months is 4.4 ppts lower compared to the USA's 12-month  $\Delta$  CPI. The  $\Delta$  CPI over the last 24 months for Aruba is 4.0 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  $\Delta$  CPI over the period 2012 - 2022 for Aruba and the USA is provided in table 8 and figure 8.

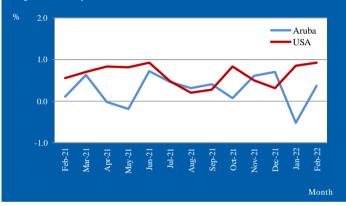
#### Table 8: End of year Δ CPI, 2012 - 2022

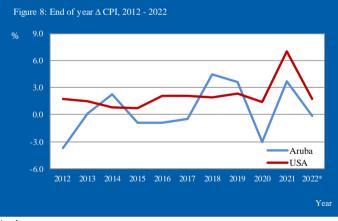
Period	Aruba	USA
2012	-3.7	1.7
2013	0.1	1.5
2014	2.2	0.8
2015	-0.9	0.7
2016	-0.9	2.1
2017	-0.5	2.1
2018	4.5	1.9
2019	3.6	2.3
2020	-3.1	1.4
2021	3.6	7.0
2022*	-0.2	1.8

Source: Central Bureau of Statistics Aruba

\* ytd

Figure 7: Monthly  $\triangle$  CPI for Aruba and the USA, 2021 - 2022





\*ytd

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

# CDS Consumer Price Index Aruba

# **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 2022 the core inflation (measured over the period February 2021 - 2022) was 0.5%. In February 2022 the food index was 1.2%, while the energy index shows an increase of 8.2%.

Table 9: Monthly inflation<sup>1</sup> and core inflation, 2021 - 2022

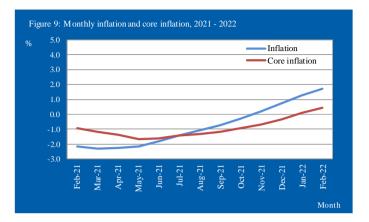
				Core
Period	Inflation	Food	Energy <sup>2</sup>	Inflation
Feb-21	-2.2	-2.0	-7.9	-0.9
Mar-21	-2.3	-2.3	-7.5	-1.2
Apr-21	-2.3	-2.6	-6.1	-1.4
May-21	-2.2	-2.6	-4.1	-1.7
Jun-21	-1.8	-2.5	-2.4	-1.6
Jul-21	-1.4	-2.3	-0.9	-1.4
Aug-21	-1.1	-2.1	0.6	-1.3
Sep-21	-0.7	-1.7	2.0	-1.2
Oct-21	-0.3	-1.4	3.4	-0.9
Nov-21	0.2	-0.9	5.1	-0.7
Dec-21	0.7	-0.3	6.7	-0.3
Jan-22	1.2	0.4	7.5	0.1
Feb-22	1.7	1.2	8.2	0.5

Source: Central Bureau of Statistics Aruba

<sup>1</sup> Period average inflation

<sup>2</sup> 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 February 2021.



# **5.3 End of year change of the core inflation**, 2017 - 2022

The end of year core inflation of the total population of Aruba for the year 2022 (up to February) is 0.5%, an increase of 0.8 ppts compared to the core inflation of 2021. Table 10 provides an overview of the end of year inflation and core inflation over the period 2017 - 2022.

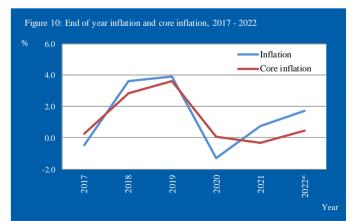
The end of year inflation and core inflation is presented in figure 10 over the period 2017 - 2022.

### Table 10: End of year core inflation, 2017 - 2022

Period	2017	2018	2019	2020	2021	2022*
Inflation	-0.5	3.6	3.9	-1.3	0.7	1.7
Food	0.8	7.3	10.5	-0.8	-0.3	1.2
Electricity	-14.0	1.7	2.1	-9.2	0.0	0.0
Water	0.0	1.7	2.1	0.5	0.0	0.0
Gasoline and diesel	9.2	15.8	1.0	-12.3	25.6	31.7
Core inflation	0.3	2.8	3.6	0.1	-0.3	0.5

Source: Central Bureau of Statistics Aruba

Note: the figures for the year 2017 are based on the weights of Dec 2006=100  $^{*}\mathrm{current}$  month



Note: the figures for the year 2017 are based on the weights of Dec 2006=100

# 6 Development of Food & catering services

# 6.1 Monthly change of Food & catering services for February 2022

The "Food & catering services" index showed an increase of 0.8% in February 2022, after an increase of 0.8% in January 2022. The index for "Food at home" showed an increase of 1.1% in February, as ten (10) of the eleven (11) "Food at home" indices increased in February 2022. The "Fruit" index registered the largest increase (2.8%) in February 2022. Furthermore, other significant increases were posted in the indices for "Non-alcoholic beverages" (1.7%), "Sugar, jam, honey and other confectionery" (1.3%), "Milk, cheese and eggs" (1.3%), "Food products n.e.c." (1.1%), "Meat" (1.0%) and "Vegetables" (1.0%).

The "Potatoes and other tubers" (-3.8%) index registered the only decrease in February 2022.

Table 11 provides an overview of the corresponding weights per food group together with the percentage changes and effect for February 2022.

Table 11: Percentage change of Food	for February 2022
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	Weight	% Change	Effect
Food & catering services	1,492.8	0.8	0.127
Food at home	1,125.3	1.1	0.117
Bread and cereals	205.2	0.1	0.002
Meat	229.8	1.0	0.026
Fish and other seafood	56.4	0.7	0.004
Milk, cheese and eggs	140.0	1.3	0.018
Oils and fats	31.6	0.2	0.001
Fruit	72.0	2.8	0.027
Potatoes and other tubers	18.5	-3.8	-0.006
Vegetables	75.7	1.0	0.007
Sugar, jam, honey and other confectionery	49.6	1.3	0.006
Food products n.e.c.	82.7	1.1	0.009
Non-alcoholic beverages	163.9	1.7	0.022
Food away from home	367.5	0.2	0.010
Other goods and services	8,507.2	0.3	0.241
Other goods	5,147.2	-0.1	-0.056
Other services	3,360.0	0.8	0.297
СРІ	10,000.0	0.4	0.368

Source: Central Bureau of Statistics Aruba

In February 2022, "Food at home" and "Food away from home" as a group showed an increase in price of 0.8% compared to January 2022, and had an influence of 0.13 ppts on the CPI, while the remaining goods and services, as a group, experienced an increase in price of 0.3%, causing an effect of 0.24 ppts on the CPI.

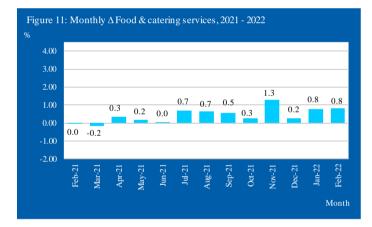
An overview of the percentage change and effect for "Food at home" and "Food away from home" for February 2022 is presented in table 12.

#### Table 12: Effect on the CPI of February 2022 of "Food at home" and "Food away from home"

Category	Weight	% Change	Effect
Food at home	1,087.7	1.1	0.12
Food away from home	429.8	0.2	0.01
Total group	1,517.5	0.8	0.13
Remaining goods and services	8,482.5	0.3	0.24
CPI	10,000.0	0.4	0.37

Source: Central Bureau of Statistics Aruba

Figure 11 depicts the monthly  $\Delta$  Food and catering services over a period of one year starting from February 2021.



# 6.2 End of Period change of Food & catering services for February 2022

Over the last twelve (12) months, the "Food & catering services" has increased by 5.7%. The "Food at home" index showed an increase of 6.1%, where all of the "Food at home" indices increased over the last year. The "Oils and fats" index increased by 19.5%, the largest increase among the "Food at home" food groups. Furthermore, other significant increases were posted in the indices for "Fruit" (12.2%), "Meat" (8.5%) and "Potatoes and other tubers" (5.6%).

The index for "Food away from home" increased by 0.2% in February 2022 and has increased by 4.8% over the last twelve (12) months.

Table 18 provides an overview of the monthly and end of period percentage changes and effect for February 2022 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 years).

# 7.2 Monthly change of the subsistence level for February 2022

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 February. Over a period of one year the subsistence level increased by Afl. 189, from Afl. 4,742 in February 2021 to Afl. 4,931 in February 2022. The "Food and non-alcoholic beverages" sector shows the largest increase (Afl. 114), 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, 2018 - 2022

						Change in Afl.
Sector	Feb-18	Feb-19	Feb-20	Feb-21	Feb-22	Feb-21 - Feb-22
Food and non-alcoholic beverages	1,697	1,862	1,934	1,883	1,997	114
Clothing and footwear	254	268	258	239	257	18
Housing	1,436	1,441	1,446	1,446	1,453	7
Household operation	113	112	110	105	109	4
Health	75	81	82	80	78	-2
Transport	269	275	288	280	313	33
Communications	136	150	151	152	151	-1
Recreation and culture	156	154	166	158	163	5
Education	72	73	74	74	78	4
Miscellaneous goods and services	313	320	328	325	332	7
Total	4,521	4,735	4,836	4,742	4,931	189

Source: Central Bureau of Statistics Aruba

An overview of the subsistence level, for the most common family types, over the period February 2021 - February 2022 is presented in table 14.

Table 14: Subsistence level in Aruba (in Afl.) by family size and composition, February 2022 (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-21	2,258	2,936	3,387	4,065	4,742					
Mar-21	2,258	2,935	3,387	4,064	4,741					
Apr-21	2,262	2,940	3,393	4,071	4,750					
May-21	2,263	2,942	3,395	4,074	4,752					
Jun-21	2,271	2,953	3,407	4,088	4,770					
Jul-21	2,293	2,980	3,439	4,127	4,815					
Aug-21	2,294	2,982	3,441	4,129	4,817					
Sep-21	2,304	2,995	3,456	4,148	4,839					
Oct-21	2,311	3,005	3,467	4,161	4,854					
Nov-21	2,331	3,031	3,497	4,196	4,896					
Dec-21	2,337	3,038	3,505	4,206	4,906					
Jan-22	2,343	3,046	3,514	4,217	4,920					
Feb-22	2,348	3,052	3,522	4,226	4,931					

Source: Central Bureau of Statistics Aruba

# 7.3 Comparison of the subsistence level and minimum wage

In February 2022 the subsistence level for a single adult household is Afl. 2,348, which represents an income deficit of Afl. 533, an increase of Afl. 90 compared to the deficit observed one year ago (Afl. 443). This deficit is the second highest registered over a period of six years for the month February.

#### Tabel 15: Monthly income surplus/deficit (in Afl.) for

a single adult household for February. 2017 - 2022

-		-	
		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
2022	2,348	1,815	-533

Source: Central Bureau of Statistics Aruba

# CDS Consumer Price Index Aruba

#### APPENDIX 1

Table 16: Monthly & Yearly Changes (%) in the Consumer Price Index for February 2022, Total Population (Jun 2019 = 100)

DESCRIPTION	WEIGHT	2021	2021	2022	2022	Monthly	Ytd	End of period	Period ave
	coefficient	Feb	Dec	Jan	Feb	Jan - Feb	Dec - Feb	Feb 21 - Feb 22	Feb 21 - Fe
Food and non-alcoholic beverages	1,087.7					1.1	1.4	6.1	1.2
Food Non-alcoholic beverages	964.1 123.6		100.68 102.51			1.0 1.7	1.3 2.3	6.2 5.0	1.2 1.2
Non-alconolic beverages	125.0	33.03	102.51	105.10	104.92	1.7	2.5	5.0	1.2
Alcoholic beverages and tobacco	78.2	100.15	101.99	103.14	103.44	0.3	1.4	3.3	0.6
Alcoholic beverages for consumption at home			100.77			0.4	1.3	3.6	0.4
Tobacco			106.74			0.1	1.7	2.0	1.4
Clothing and footwear	276.8	87.75	94.29	97.50	94.08	-3.5	-0.2	7.2	-4.3
Clothing	212.8	88.43	95.07	100.98	96.30	-4.6	1.3	8.9	-2.6
Footwear	64.0	85.50	91.70	85.93	86.68	0.9	-5.5	1.4	-10.2
Housing	2,522.2		98.42	99.11		-0.7	-0.1	0.5	0.8
Actual rentals for housing			103.79			0.1	0.2	1.5	1.5
Imputed rentals for housing		97.21	99.65		95.81	-3.6	-3.9	-1.4	-0.2
Maintenance and repair of the dwelling			101.30			-4.2	-1.2	-0.4	1.9
Water supply and miscellaneous services relating to the dwelling Electricity, gas and other fuels			101.35 90.72	90.72		0.9 0.0	0.9 0.0	0.9 0.0	0.1 0.0
Electricity, gas and other rules	040.4	90.72	90.72	90.72	90.72	0.0	0.0	0.0	0.0
Household operation	929.2	94.40	102.68	97.56	97.94	0.4	-4.6	3.8	0.7
Furniture, furnishings, carpets and other floor coverings		75.64	80.70	67.99	72.73	7.0	-9.9	-3.8	-8.6
Household textiles	58.6	80.19	80.43	80.06	76.60	-4.3	-4.8	-4.5	-8.2
Household appliances			110.28			-1.9	-6.5	11.3	5.5
Glassware, tableware and household utensils	17.2	83.14	81.49	78.98	66.87	-15.3	-17.9	-19.6	-17.1
Tools and equipment for house and garden	58.2	110.26	152.35	121.22	132.86	9.6	-12.8	20.5	13.4
boods and services for routine household maintenance and cleaning	420.5	101.42	102.07	102.14	102.07	-0.1	0.0	0.6	0.3
Health	223.1	96.51	95.13	95.66	94.70	-1.0	-0.4	-1.9	-3.1
Medical products, appliances and equipment	152.3	95.35	93.77	94.01	93.07	-1.0	-0.7	-2.4	-3.5
Out-patient services	52.4	96.42	95.71	97.25	95.76	-1.5	0.1	-0.7	-3.3
Other treatments	7.8	94.94	92.14	93.96	92.18	-1.9	0.0	-2.9	-4.8
Health products and services n.e.c.	10.5	114.93	113.97	112.76	114.90	1.9	0.8	0.0	3.6
Transport	1 257 4	06.04	105.20	105 42	107.61	2.1	2.3	12.1	12.5
Purchase of vehicles	442.6	98.69		103.42		-3.2	1.7	1.8	3.3
Operation of personal transport equipment			109.54			4.9	3.4	18.3	18.7
Transport services		77.62	95.34	81.55		4.8	-10.3	10.1	4.9
Communications	849.6	99.79	99.24	98.90	99.12	0.2	-0.1	-0.7	-0.3
Telephone and telefax equipment	43.8	93.63	83.07	76.56	101.15	32.1	21.8	8.0	-5.7
Telephone and telefax services	805.8	100.12	100.12	100.12	99.01	-1.1	-1.1	-1.1	0.0
Recreation and culture			100.46		97.53	1.9	-2.9	2.8	-0.9
Audio-visual, photographic and information processing equipment			122.78			11.4	-20.6	17.4	10.0
Other major durables for recreation and culture			92.12		98.40	8.7	6.8	-3.1	-5.3
Other recreational items and equipment; gardens and pets			100.58			-1.5	-0.2	4.4	-1.3
Recreational and cultural services			101.77			0.0	0.1	2.1	1.5
Newspapers, books and stationery Holidays		84.98 92.01	81.73 98.07	83.17 88.03	77.93 93.57	-6.3 6.3	-4.7 -4.6	-8.3 1.7	-6.6 -3.7
nolidays	515.4	52.01	55.07	00.03		0.0	4.0	1./	-3.7
Education	98.0	100.17	104.79	104.79	104.79	0.0	0.0	4.6	2.7
Pre primary and primary education			100.00			0.0	0.0	0.0	0.0
Secondary education			110.44			0.0	0.0	10.4	6.1
Post-secondary non-tertiary education			100.00			0.0	0.0	0.0	0.0
Tertiary education			100.00			0.0	0.0	0.0	0.0
Education not definable by level	2.5	106.67	106.67	106.67	106.67	0.0	0.0	0.0	0.0
Restaurants and hotels			104.39			0.2	2.2	5.1	1.0
Catering services			105.43			0.2	2.2	4.8	2.1
Accommodation services	12.2	54.76	67.78	69.09	69.24	0.2	2.2	26.4	-39.0
<b>.</b>									_
Miscellaneous goods and services			100.23			0.2	0.4	2.0	0.4
Personal care		97.02		97.03		0.4	0.8	0.5	-0.7
Personal effects n.e.c.		95.01		95.88	96.76	0.9	1.3	1.8	-2.2
Social protection Insurance			126.67 100.14			0.0 0.0	0.0 0.0	26.7 0.0	12.2 0.0
Insurance	010.7	100.14	100.14	100.14	100.14	0.0	0.0	0.0	0.0
	40.000.0	07.00	100 60	100.07	100 44	0.4	-0.2	3.5	1.7
CPI	10,000.0	97.00							

DESCRIPTION	WEIGHT	Monthly	Ytd	End of period	Period average	
	coefficient	Jan - Feb	Dec - Feb	Feb 21 - Feb 22	Feb 21 - Feb 22	
Food and non-alcoholic beverages	1,087.7	0.12	0.15	0.66	0.13	
Food	964.1	0.10	0.12	0.60	0.11	
Non-alcoholic beverages	123.6	0.02	0.03	0.06	0.01	
Alcoholic beverages and tobacco	78.2	0.00	0.01	0.03	0.01	
Alcoholic beverages for consumption at home	62.2	0.00	0.01	0.02	0.00	
Tobacco	16.0	0.00	0.00	0.00	0.00	
Clothing and footwear	276.8	-0.09	-0.01	0.18	-0.12	
Clothing	212.8	-0.10	0.03	0.17	-0.05	
Footwear	64.0	0.00	-0.03	0.01	-0.06	
Housing	2,522.2	-0.19	-0.01	0.12	0.21	
Actual rentals for housing	666.7	0.01	0.02	0.11	0.10	
Imputed rentals for housing	34.4	-0.01	-0.01	0.00	0.00	
Maintenance and repair of the dwelling	517.0	-0.23	-0.06	-0.02	0.10	
Water supply and miscellaneous services relating to the dwelling	463.6	0.04	0.04	0.04	0.00	
Electricity, gas and other fuels	840.4	0.00	0.00	0.00	0.00	
Household operation	929.2	0.04	-0.44	0.34	0.06	
Furniture, furnishings, carpets and other floor coverings	128.8	0.04	-0.10	-0.04	-0.09	
Household textiles	58.6	-0.02	-0.10	-0.02	-0.04	
Household appliances	246.0	-0.05	-0.18	0.26	0.13	
Glassware, tableware and household utensils	17.2	-0.02	-0.02	-0.03	-0.03	
Tools and equipment for house and garden	58.2	0.07	-0.11	0.14	0.09	
ioods and services for routine household maintenance and cleaning	420.5	0.00	0.00	0.03	0.01	
Health	223.1	-0.02	-0.01	-0.04	-0.07	
Medical products, appliances and equipment	152.3	-0.01	-0.01	-0.04	-0.05	
Out-patient services	52.4	-0.01	0.00	0.00	-0.02	
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	0.00	0.00	
Transport	1,257.4	0.28	0.30	1.50	1.48	
Purchase of vehicles	442.6	-0.15	0.07	0.08	0.14	
Operation of personal transport equipment	763.3	0.40	0.28	1.38	1.32	
Transport services	51.5	0.02	-0.05	0.04	0.02	
Communications	849.6	0.02	-0.01	-0.06	-0.02	
Telephone and telefax equipment	43.8	0.11	0.08	0.03	-0.02	
Telephone and telefax services	805.8	-0.09	-0.09	-0.09	0.00	
Recreation and culture	1,013.3	0.19	-0.30	0.28	-0.09	
Audio-visual, photographic and information processing equipment	58.5	0.06	-0.15	0.09	0.05	
Other major durables for recreation and culture	20.0	0.02	0.01	-0.01	-0.01	
Other recreational items and equipment; gardens and pets	266.6	-0.04	-0.01	0.12	-0.04	
Recreational and cultural services	309.1	0.00	0.00	0.07	0.05	
Newspapers, books and stationery	43.7	-0.02	-0.02	-0.03	-0.03	
Holidays	315.4	0.17	-0.14	0.05	-0.12	
Education	98.0	0.00	0.00	0.05	0.03	
Pre primary and primary education	24.0	0.00	0.00	0.00	0.00	
Secondary education	43.4	0.00	0.00	0.05	0.03	
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	
Protocourte and batala					0.05	
Restaurants and hotels	442.0	0.01	0.10	0.24	0.05	
Catering services Accommodation services	429.8	0.01	0.10	0.22	0.10	
Accommodation Services	12.2	0.00	0.00	0.02	-0.05	
Miscellaneous goods and services	1 222 6	0.03	0.05	0.35	0.04	
Miscellaneous goods and services Personal care	<b>1,222.6</b> 427.1	0.03	0.05 0.03	0.25 0.02	-0.03	
Personal care Personal effects n.e.c.	427.1	0.02	0.03	0.02	-0.03	
	100.0					
	78.2	0 00	(1 (1(1			
Social protection	78.2 610 7	0.00	0.00	0.21	0.10	
	78.2 610.7	0.00	0.00	0.21	0.00	

#### Table 17: Monthly & Yearly Effect on the Consumer Price Index per sector and category for February 2022 (Jun 2019 = 100)

Source: Central Bureau of Statistics Arub

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		-	vices for February		ffect
DESCRIPTION	WEIGHT	Monthly	End of period	Monthly	End of period
JESCRIFTION	coefficient	Jan - Feb	Feb 21 - Feb 22	Jan - Feb	Feb 21 - Feb 22
Food & catering services	1,517.5	0.8	5.7	0.127	0.877
Food at home	1,087.7	1.1	6.1	0.117	0.660
Bread and cereals	178.1	0.1	4.3	0.002	0.076
Rice	23.5	0.5	2.1	0.001	0.005
Bread	72.1	-0.1	7.8	-0.001	0.057
Pasta products	9.2	1.9	10.0	0.002	0.009
Other cereals and cereal products	73.3	0.0	0.7	0.000	0.005
Meat	242.5	1.0	8.5	0.026	0.208
Bovine	67.3	1.0	11.2	0.007	0.077
Swine	25.5	0.8	6.1	0.002	0.017
Poultry	75.7	1.4	11.8	0.011	0.083
Other meat and meat preparations	74.0	0.8	3.9	0.006	0.030
Fish and other seafood	49.0	0.7	4.9	0.004	0.024
Fish and seafood preparations	49.0	0.7	4.9	0.004	0.024
Milk, cheese and eggs	135.3	1.3	3.7	0.018	0.052
Cheese	55.4	0.6	1.8	0.003	0.011
Eggs	16.6	7.5	13.1	0.014	0.024
Milk	40.0	0.2	4.3	0.001	0.017
Other milk products	23.3	0.3	0.1	0.001	0.000
Oile and fate	32.2	0.2	10 5	0.001	0.001
Oils and fats Corn oil	2.8	1.0	<b>19.5</b> 30.9	0.001 0.000	0.061 0.009
Butter and margarine	9.2	-0.4	8.9	0.000	0.005
Other oils and fats	20.1	-0.4	22.7	0.000	0.008
	20.1	0.5	22.7	0.001	0.044
Fruit	97.6	2.8	12.2	0.027	0.113
Oranges	9.4	2.4	19.7	0.003	0.022
Bananas and plantains	19.9	2.6	22.9	0.004	0.032
Apples	9.3	-0.4	8.7	0.000	0.008
Avocado	5.0	8.1	-7.9	0.003	-0.004
Grapes	9.2	8.7	34.0	0.009	0.031
Nuts	11.9	-0.1	-1.5	0.000	-0.002
Lemons and mandarins	6.0	11.3	20.2	0.005	0.009
Cherries and strawberries	8.8	0.9	12.2	0.001	0.014
Melons and watermelons	7.7	-1.2	2.8	-0.001	0.002
Papayas and pineapples	6.9	0.2	-4.7	0.000	-0.003
Other fruits and fruit products	3.5	7.9	8.3	0.002	0.003
Potatoes and other tubers	18.2	-3.8	5.6	-0.006	0.008
Potatoes	12.2	-6.8	4.7	-0.006	0.004
Other tubers	2.0	2.8	7.2	0.001	0.002
Sweet potatoes and yucca	4.0	0.0	7.0	0.000	0.002
Vegetables	89.1	1.0	1.6	0.007	0.012
Lettuce	6.8	-3.2	5.0	-0.001	0.002
Tomatoes	9.7	3.0	6.0	0.001	0.002
Onions and garlic	18.7	-0.2	0.9	0.000	0.001
Celery and broccoli	15.3	4.3	3.7	0.005	0.005
Other vegetables	15.3	-0.2	0.2	0.000	0.000
Other preserved or processed vegetables	8.4	-0.7	-1.6	-0.001	-0.001
Frozen vegetable mixtures	14.8	1.3	0.3	0.002	0.000
Sugar, jam, honey and other confectionery	42.0	1.3	3.0	0.006	0.013
Sugar	12.1	1.9	5.6	0.002	0.007
Jams and jellies	2.5	0.2	-4.0	0.000	-0.001
Other confectionery products	27.5	1.2	2.3	0.003	0.007
Food products n.e.c.	80.1	1.1	3.4	0.009	0.028
Other food products	80.1	1.1	3.4	0.009	0.028
Non-alcoholic beverages	123.6	1.7	5.0	0.022	0.064
Coffee and tea	20.9	-1.3	2.6	-0.003	0.005
Other non-alcoholic beverages	14.6	0.3	0.4	0.000	0.001
Soft and sports drinks	31.0	0.1	5.5	0.000	0.018
Fruit juices	57.1	4.1	6.8	0.024	0.040
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Food away from home	429.8	0.2	4.8	0.010	0.218
Food and beverage consumption away from home	429.8	0.2	4.8	0.010	0.218
Other goods and services	8,482.5	0.3	3.2	0.241	2.670
Other goods	4,735.8	-0.1	3.9	-0.056	1.816
Other services	3,746.7	0.8	2.2	0.297	0.854
CPI	10,000	0.4	3.5	0.368	3.547

#### Table 19: CPI: Main indices for February 2022, Total Population (Jun 2019 = 100)

DESCRIPTION	WEIGHT	2021	2021	2022	2022	Monthly	Ytd	End of period	Period average
	coefficient	Feb	Dec	Jan	Feb	Jan - Feb	Dec - Feb	Feb 21 - Feb 22	Feb 21 - Feb 22
CPI for "All items"	10,000.0	97.00	100.60	100.07	100.44	0.4	-0.2	3.5	1.7
CPI for "Goods"	5,823.4	95.01	99.59	99.03	99.13	0.1	-0.5	4.3	2.5
CPI for "Durable goods"	1,294.8	95.43	102.81	99.18	99.23	0.1	-3.5	4.0	2.4
CPI for "Semi-durable goods"	635.9	90.39	93.16	94.14	91.41	-2.9	-1.9	1.1	-4.0
CPI for "Non-durable goods"	3,892.8	95.62	99.57	99.78	100.36	0.6	0.8	5.0	3.6
CPI for "Services"	4,176.6	99.76	102.01	101.52	102.25	0.7	0.2	2.5	0.7
CPI for "Gasoline" and "Diesel"	460.6	93.22	113.82	109.81	117.23	6.8	3.0	25.8	31.7
CPI for "Energy"	1,638.1	93.33	99.13	98.00	100.09	2.1	1.0	7.2	8.2
CPI for "Food at home"	1,087.7	96.41	100.89	101.21	102.29	1.1	1.4	6.1	1.2
CPI excluding "Food and non-alcoholic beverages"	8,912.3	97.07	100.57	99.93	100.21	0.3	-0.4	3.2	1.8
CPI excluding "Gasoline" and "Diesel"	9,539.4	97.18	99.96	99.60	99.62	0.0	-0.3	2.5	0.5
CPI excluding "Food and non-alcoholic beverages", "Gasoline" and "Diese	8,451.7	97.28	99.85	99.39	99.28	-0.1	-0.6	2.1	0.4
CPI excluding "Rentals actually paid by tenants or subtenants"	9,333.3	96.60	100.37	99.79	100.18	0.4	-0.2	3.7	1.7
CPI excluding "Housing"	7,477.8	96.69	101.34	100.39	101.13	0.7	-0.2	4.6	2.0
CPI excluding "Gasoline", "Diesel", "Water" and "Electricity"	8,361.9	97.71	100.89	100.47	100.50	0.0	-0.4	2.9	0.5

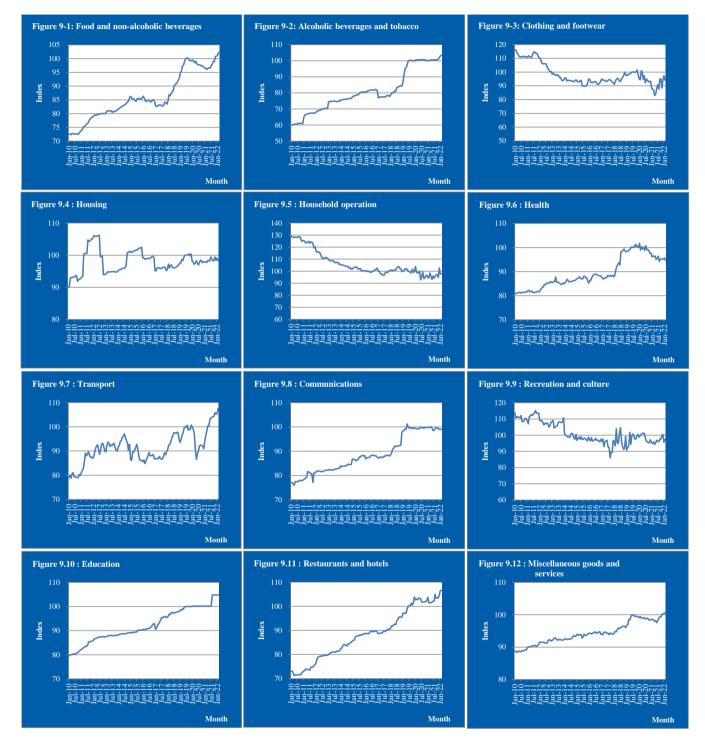
#### Table 20: CPI: Effect on main indices for February 2022, Total Population (Jun 2019 = 100)

DESCRIPTION	WEIGHT	Monthly	Ytd	End of period	Period average
	coefficient	Jan - Feb	Dec - Feb	Feb 21 - Feb 22	Feb 21 - Feb 22
CPI for "All items"	10,000.0	0.37	-0.17	3.55	1.71
CPI for "Goods"	5,823.4	0.06	-0.26	2.48	1.41
CPI for "Durable goods"	1,294.8	0.01	-0.46	0.51	0.30
CPI for "Semi-durable goods"	635.9	-0.17	-0.11	0.07	-0.25
CPI for "Non-durable goods"	3,892.8	0.23	0.31	1.90	1.36
CPI for "Services"	4,176.6	0.31	0.10	1.07	0.29
CPI for "Gasoline" and "Diesel"	460.6	0.34	0.16	1.14	1.25
CPI for "Energy"	1,638.1	0.34	0.16	1.14	1.25
CPI for "Food at home"	1,087.7	0.12	0.12	0.60	0.11
CPI excluding "Food and non-alcoholic beverages"	8,912.3	0.25	-0.32	2.89	1.58
CPI excluding "Gasoline" and "Diesel"	9,539.4	0.03	-0.32	2.41	0.45
CPI excluding "Food and non-alcoholic beverages", "Gasoline" and "Diese	8,451.7	-0.09	-0.47	1.75	0.33
CPI excluding "Rentals actually paid by tenants or subtenants"	9,333.3	0.36	-0.18	3.44	1.60
CPI excluding "Housing"	7,477.8	0.55	-0.15	3.42	1.50
CPI excluding "Gasoline", "Diesel", "Water" and "Electricity"	8,361.9	0.03	-0.32	2.41	0.45

Source: Central Bureau of Statistics Aru

Appendix 5

### Course of Indices for 2010 up to February 2022



# 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.