

REPUBLIC OF RWANDA



NATIONAL INSTITUTE OF STATISTICS OF RWANDA

CONSUMER PRICE INDEX (CPI) August 2013

The National Institute of Statistics of Rwanda is very pleased to deliver to users the Consumer Price Index (February 2009=100). The All Urban CPI is regarded as the headline index, producing the official inflation rate. **The CPI is published every month by the 10th**

All Urban Index:

In August 2013 the All Urban general index is established at 122.5 this stands for an increase of 1.17% over the previous month which was 121.1. In annual change it increased by 4.04% compared to 3.52% in the previous month. This gives a general inflation rate by an annual average of 4.3% during the month of August 2013.

The underlying inflation rate (excluding fresh food and energy) increased by 0.20% if compared to the previous month and increased by 3.56% on annual change. The annual average underlying inflation rate is + 3.7 % in August 2013 up from the previous month 3.6 %.

All Rural Index:

In August 2013 the All Rural general index is established at 125.7 this stands for an increase of 0.63 % over the previous month which was 124.9. In annual change it increased by 3.64% compared to 4.48% in the previous month.

All Rwanda Index:

In August 2013 the All Rwanda general index is established at 124.6 this stands for an increase of 0.81% over the previous month which was 123.6. In annual change it increased by 3.78% compared to 4.16% in the previous month.

Feb 2009=100	Aug. 12	Sept. 12	Oct. 12	Nov. 12	Dec. 12	Jan. 13	Feb. 13	Mar. 13	April 13	May 13	June 13	July 13	Aug. 13
All Urban General Index	117.8	118.0	118.4	117.9	116.9	118.5	118.8	119.6	121.2	121.3	121.2	121.1	122.5
Annual change	5.81	5.63	5.36	4.55	3.88	5.67	4.79	3.25	4.37	2.98	3.68	3.52	4.04
All Rural General Index	121.3	123.2	125.3	124.0	121.4	119.8	119.8	121.7	123.9	124.4	123.6	124.9	125.7
Annual change	13.63	14.04	15.01	13.04	11.96	11.79	9.74	6.55	6.13	4.85	4.61	4.48	3.64
All Rwanda General Index	120.1	121.4	123.0	121.9	119.9	119.4	119.4	121.0	123.0	123.3	122.8	123.6	124.6
Annual change	10.91	11.13	11.68	10.11	9.16	9.65	8.01	5.42	5.53	4.21	4.29	4.16	3.78

ALL URBAN CONSUMER PRICE INDEX

February 2009=100

	Divisions ❖ Groups	Weights	Indices for the following months:					Changes in % over		
			Aug. 12	May 13	June 13	July 13	Aug. 13	1 month	3 months	12 months
	GENERAL INDEX	10000	117.8	121.3	121.2	121.1	122.5	1.17	1.05	4.04
01	Food and non-alcoholic beverages	3538	127.6	129.3	130.3	130.2	133.8	2.79	3.46	4.90
0111	❖ Bread and cereals	733	115.7	116.3	115.3	114.2	113.7	-0.42	-2.20	-1.71
0112	❖ Meat	274	115.2	116.0	116.8	116.2	115.4	-0.68	-0.48	0.23
0113	❖ Fish	83	135.1	156.8	155.6	157.7	160.8	1.99	2.5	19.04
0117	❖ Vegetables	1200	145.4	144.0	150.9	150.1	159.3	6.11	10.66	9.56
012	❖ Non-alcoholic beverages	160	114.2	115.9	115.9	118.2	118.9	0.58	2.53	4.11
02	Alcoholic beverages and tobacco	240	119.9	123.7	126.5	124.9	125.8	0.70	1.70	4.94
03	Clothing and footwear	377	112.5	114.1	114.1	113.1	113.9	0.73	-0.18	1.26
04	Housing, water, electricity, gas and other fuels	2204	110.8	113.4	111.0	110.8	111.1	0.29	-2.01	0.26
05	Furnishing, household equipment and routine household maintenance	457	106.0	107.6	107.8	107.8	106.9	-0.90	-0.72	0.84
06	Health	163	103.8	103.7	104.1	104.1	104.5	0.37	0.73	0.64
07	Transport	1189	125.0	127.5	127.1	126.6	126.9	0.22	-0.49	1.48
08	Communication	288	92.7	91.7	91.2	91.2	91.2	0.00	-0.57	-1.55
09	Recreation and culture	256	104.2	106.1	105.5	105.7	105.8	0.03	-0.34	1.52
10	Education	331	129.9	175.6	175.6	175.6	175.6	0.00	0.00	35.18
11	Restaurants and hotels	558	104.8	106.3	109.3	111.4	110.9	-0.44	4.37	5.86
12	Miscellaneous goods and services	400	106.2	110.0	109.2	109.4	110.4	0.92	0.40	3.96

In August 2013 the All Urban general index is established at 122.5 this stands for an increase of 1.17% over the previous month which was 121.1. In annual change it increased by 4.04% compared to 3.52% in the previous month. This gives a general inflation rate by an annual average of 4.3% during the month of August 2013.

The underlying inflation rate (excluding fresh food and energy) increased by 0.20% if compared to the previous month and increased by 3.56% on annual change. The annual average underlying inflation rate is + 3.7 % in August 2013 up from the previous month 3.6 %.

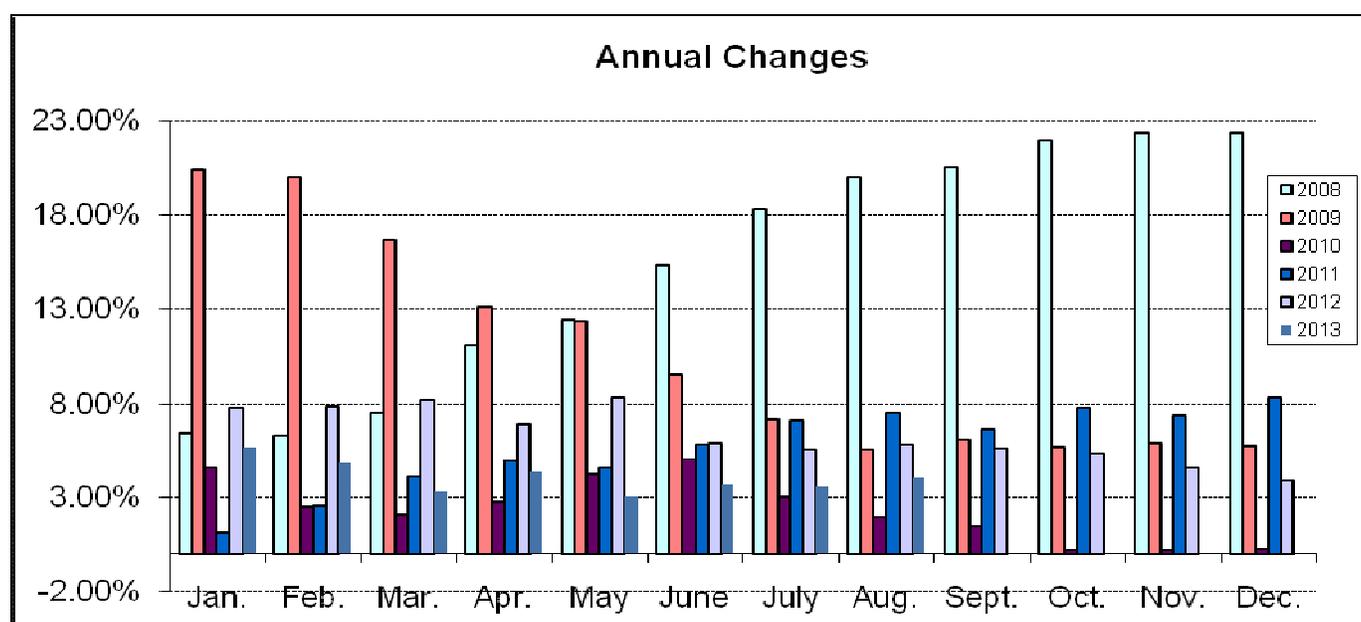
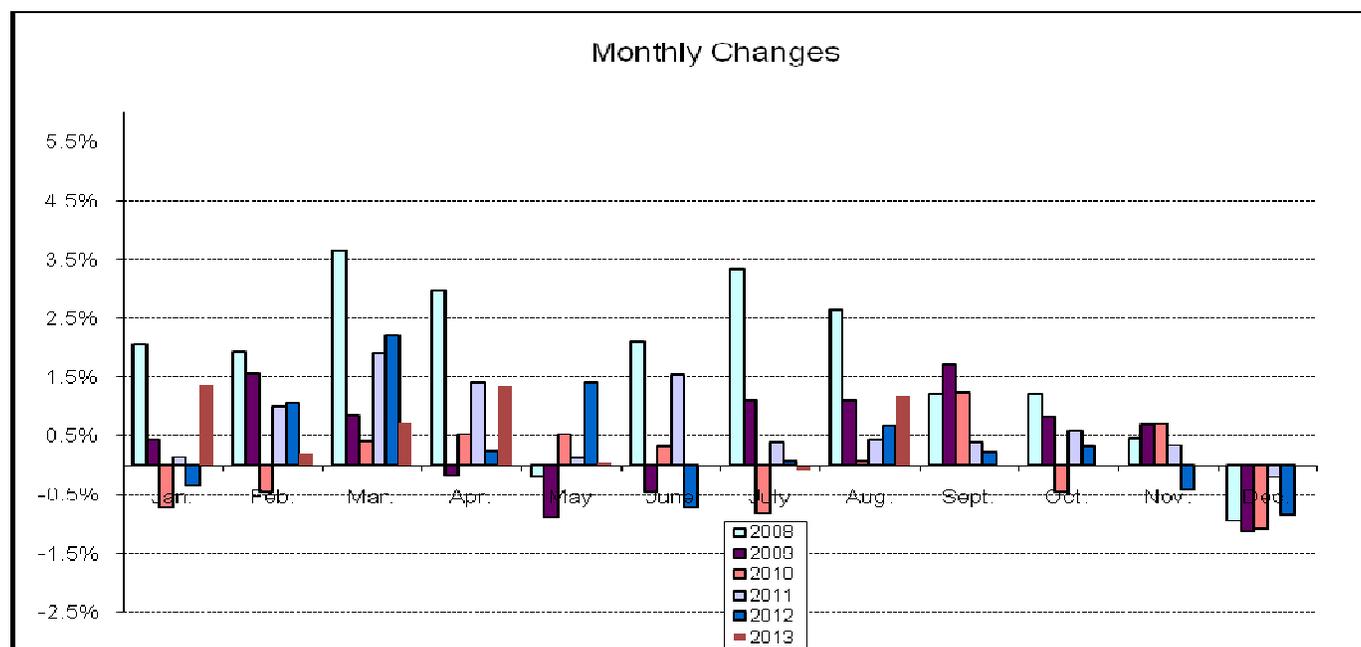
The increase in the consumer price index of 1.17 is attributable primarily to the increase in Food and non-alcoholic beverages (2.79).

It is noted that the increase of 2.79 in prices of Food and non alcoholic beverages is primary attributable to the increase of 6.11 of vegetables.

In annual change, the increase in the general index of 4.04 is mainly due to the rising prices of Food and non alcoholic beverages (4.90) and Education (35.18) which contributed +1.88 and + 1.28 respectively.

The 'local goods' increased by 4.38 on annual change with a monthly change of 1.34, while prices of the imported products increased by 2.66 on annual change with a monthly change of 0.45.

The prices of the fresh products had a positive annual change of 6.98 between August 2013 and August 2012.

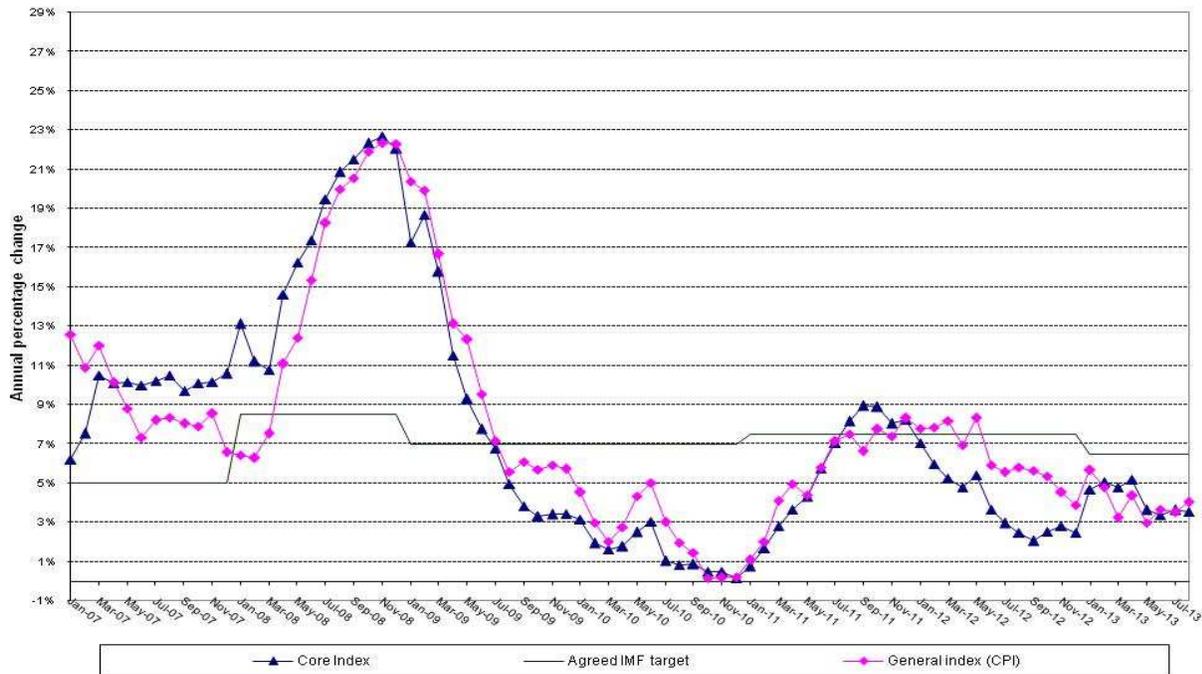


Evolution (over 12 months) of the rate of inflation (%) ⁽¹⁾

MONTH	Aug. 12	Sept. 12	Oct. 12	Nov. 12	Dec. 12	Jan. 13	Feb. 13	Mar. 13	April 13	May 13	June 13	July 13	Aug. 13
General index	7.2	7.1	6.9	6.7	6.3	6.1	5.9	5.5	5.2	4.8	4.6	4.4	4.3
Core / Underlying	5.9	5.3	4.8	4.4	3.9	3.7	3.7	3.6	3.7	3.5	3.5	3.6	3.7

(1) In August 2013, the average index of the last twelve months September 2012 to August 2013 increased by 4.3 (general index) and 3.7 (Core index) compared to the average index of the previous twelve months (September 2011 to August 2012).

Annual changes (Comparison with the same month of the previous year)



Other All Urban Indices

February 2009=100	Weights	Indices for the following months:					Changes in % over:		
		Aug. 12	May 13	June 13	July 13	Aug. 13	1 month	3 months	12 months
GENERAL INDEX	10,000	117.8	121.3	121.2	121.1	122.5	1.17	1.05	4.04
Local Goods Index	7,947	119.3	122.8	122.9	122.9	124.6	1.34	1.40	4.38
Food and non-alcoholic beverages	2,982	130.1	131.5	132.7	132.6	136.7	3.12	4.01	5.10
Housing, water, electricity, gas and other fuels	2,134	110.9	113.5	111.1	110.8	111.2	0.30	-2.01	0.24
Transport	759	125.5	126.7	126.7	126.7	126.7	0.00	-0.03	0.91
Imported Goods Index	2,053	111.8	115.2	114.6	114.3	114.8	0.45	-0.37	2.66
Food and non-alcoholic beverages	555	113.8	117.8	117.0	117.0	118.0	0.83	0.17	3.68
Furnishing, household equipment	196	97.7	101.0	101.1	101.0	99.6	-1.36	-1.37	1.97
Transport	430	124.1	128.9	127.9	126.4	127.2	0.60	-1.29	2.50
Fresh Products index⁽¹⁾	1,403	147.5	145.5	149.7	149.6	157.8	5.47	8.49	6.98
Energy index	767	120.6	129.0	123.4	121.8	123.0	0.95	-4.65	2.03
General Index excluding fresh Products and energy⁽²⁾	7,829	112.2	116.2	115.9	115.9	116.2	0.20	0.01	3.56

(1) Fresh products are food products which have seasonal fluctuations

(2) Proxy for underlying inflation

ALL RURAL CONSUMER PRICE INDEX

February 2009=100

	Divisions ❖ Groups	Weights	Indices for the following months:					Changes in % over		
			Aug. 12	May 13	June 13	July 13	Aug. 13	1 month	3 months	12 months
	GENERAL INDEX	10000	121.3	124.4	123.6	124.9	125.7	0.63	1.06	3.64
01	Food and non-alcoholic beverages	6387	128.3	133.2	132.0	133.9	135.4	1.13	1.68	5.53
0111	❖ Bread and cereals	1203	113.0	108.7	107.4	104.0	101.8	-2.13	-6.35	-9.96
0112	❖ Meat	169	110.4	118.1	119.5	118.9	116.3	-2.19	-1.51	5.34
0113	❖ Fish	72	136.0	137.0	141.3	148.4	156.0	5.11	13.82	14.68
0117	❖ Vegetables	3213	146.2	154.9	153.1	159.4	163.1	2.36	5.32	11.57
012	❖ Non-alcoholic beverages	196	108.7	103.3	103.3	102.9	102.9	-0.03	-0.34	-5.31
02	Alcoholic beverages and tobacco	424	110.6	103.5	103.2	105.1	100.0	-4.78	-3.38	-9.55
03	Clothing and footwear	348	121.0	120.1	119.5	120.3	119.8	-0.44	-0.26	-0.98
04	Housing, water, electricity, gas and other fuels	1274	104.4	104.7	104.6	103.5	103.8	0.28	-0.89	-0.53
05	Furnishing, household equipment and routine household maintenance	277	110.2	106.8	107.1	109.4	108.9	-0.43	1.96	-1.17
06	Health	112	104.5	105.7	105.7	105.2	105.2	-0.02	-0.51	0.60
07	Transport	426	106.7	109.4	108.7	108.7	109.1	0.35	-0.28	2.25
08	Communication	51	93.1	92.4	92.5	92.4	92.4	0.09	0.05	-0.68
09	Recreation and culture	112	106.0	104.7	103.3	104.5	105.2	0.62	0.42	-0.82
10	Education	137	121.1	129.9	129.9	129.9	129.9	0.00	0.00	7.27
11	Restaurants and hotels	222	115.3	115.1	118.6	119.2	119.3	0.13	3.65	3.52
12	Miscellaneous goods and services	230	108.2	112.8	113.3	114.2	114.3	0.13	1.35	5.65

ALL RWANDA CONSUMER PRICE INDEX

February 2009=100

	Divisions ❖ Groups	Weights	Indices for the following months:					Changes in % over		
			Aug. 12	May 13	June 13	July 13	Aug. 13	1 month	3 months	12 months
	GENERAL INDEX	10000	120.1	123.3	122.8	123.6	124.6	0.81	1.06	3.78
01	Food and non-alcoholic beverages	5422	128.2	132.3	131.6	133.1	135.1	1.49	2.07	5.39
0111	❖ Bread and cereals	1044	113.7	110.5	109.3	106.4	104.6	-1.69	-5.31	-7.96
0112	❖ Meat	205	112.6	117.1	118.2	117.7	115.9	-1.51	-1.05	2.96
0113	❖ Fish	76	135.7	144.4	146.6	151.8	157.8	3.91	9.27	16.29
0117	❖ Vegetables	2531	146.1	153.1	152.8	157.9	162.5	2.93	6.13	11.25
012	❖ Non-alcoholic beverages	184	110.3	107.0	107.0	107.4	107.6	0.16	0.58	-2.44
02	Alcoholic beverages and tobacco	362	112.7	108.1	108.4	109.5	105.8	-3.38	-2.07	-6.09
03	Clothing and footwear	358	117.9	118.0	117.6	117.7	117.7	-0.04	-0.23	-0.22
04	Housing, water, electricity, gas and other fuels	1589	107.4	108.8	107.6	106.9	107.2	0.29	-1.44	-0.15
05	Furnishing, household equipment and routine household maintenance	338	107.4	106.3	106.5	107.8	107.1	-0.65	0.74	-0.31
06	Health	130	104.2	104.9	105.1	104.7	104.9	0.15	0.01	0.62
07	Transport	685	117.5	120.0	119.5	119.2	119.5	0.27	-0.41	1.77
08	Communication	131	92.8	91.9	91.6	91.5	91.5	0.02	-0.41	-1.33
09	Recreation and culture	161	105.1	105.6	104.6	105.3	105.6	0.29	0.00	0.41
10	Education	203	126.0	155.1	155.1	155.1	155.1	0.00	0.00	23.18
11	Restaurants and hotels	336	109.3	110.1	113.3	114.9	114.6	-0.25	4.04	4.79
12	Miscellaneous goods and services	288	107.3	111.5	111.4	111.9	112.5	0.49	0.90	4.86

METHODOLOGICAL NOTICE

The Consumer Price Index (CPI) is a measure of the average change over time of goods and services purchased by households. The CPI uses a Modified Laspeyres formula to calculate the index. The reference population for the CPI consists of all households, urban and rural, living in Rwanda.

The household basket includes 1,136 products observed in many places spread all over the administrative centers of all provinces in Rwanda. All kinds of places of observation are selected: shops, markets, services etc. More than 29,200 prices are collected every month by enumerators of the National Institute of Statistics of Rwanda and of the National Bank of Rwanda.

The index reference, or base, for the CPI is February 2009.

The weights used for the index are the result of the Household Living Conditions Survey (EICV II) conducted in 2005-2006 with a sample of 6,900 households.

How to Interpret the CPI

Movements of the indexes from one month to another usually are expressed as percent changes rather than changes in index points. The level of the index (relative to its base period) affects index point changes, but it does not affect percent changes. The following example illustrates how to calculate percent changes:

Index point change

CPI	178
Less CPI for previous period	<u>176</u>
Equals index point change	2

Percent change

Index point difference	2
Divided by the previous index	176
Equals	0.011
Results multiplied by 100	0.011 x 100
Equals percent change	1.1

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