

REPUBLIC OF RWANDA



NATIONAL INSTITUTE OF STATISTICS OF RWANDA

CONSUMER PRICE INDEX (CPI) July 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 July 2013 the All Urban general index is established at 121.1 this stands for a decrease of 0.09% over the previous month which was 121.2. In annual change it increased by 3.52% compared to 3.68% in the previous month. This gives a general inflation rate by an annual average of 4.4% during the month of July 2013.

The underlying inflation rate (excluding fresh food and energy) increased by 0.02% if compared to the previous month and increased by 3.64% on annual change. The annual average underlying inflation rate is + 3.6 % in July 2013 up from the previous month 3.5 %.

All Rural Index:

In July 2013 the All Rural general index is established at 124.9 this stands for an increase of 1.07 % over the previous month which was 123.6. In annual change it increased by 4.48% compared to 4.61% in the previous month.

All Rwanda Index:

In July 2013 the All Rwanda general index is established at 123.6 this stands for an increase of 0.69% over the previous month which was 122.8. In annual change it increased by 4.16% compared to 4.29% in the previous month.

Feb 2009=100	July 12	Aug. 12	Sept. 12	Oct. 12	Nov. 12	Dec. 12	Jan. 13	Feb. 13	Mar. 13	April 13	May 13	June 13	July 13
All Urban General Index	117.0	117.8	118.0	118.4	117.9	116.9	118.5	118.8	119.6	121.2	121.3	121.2	121.1
Annual change	5.57	5.81	5.63	5.36	4.55	3.88	5.67	4.79	3.25	4.37	2.98	3.68	3.52
All Rural General Index	119.6	121.3	123.2	125.3	124.0	121.4	119.8	119.8	121.7	123.9	124.4	123.6	124.9
Annual change	12.26	13.63	14.04	15.01	13.04	11.96	11.79	9.74	6.55	6.13	4.85	4.61	4.48
All Rwanda General Index	118.7	120.1	121.4	123.0	121.9	119.9	119.4	119.4	121.0	123.0	123.3	122.8	123.6
Annual change	9.93	10.91	11.13	11.68	10.11	9.16	9.65	8.01	5.42	5.53	4.21	4.29	4.16

ALL URBAN CONSUMER PRICE INDEX

February 2009=100

	Divisions ❖ Groups	Weights	Indices for the following months:					Changes in % over		
			July 12	April 13	May 13	June 13	July 13	1 month	3 months	12 months
	GENERAL INDEX	10000	117.0	121.2	121.3	121.2	121.1	-0.09	-0.07	3.52
01	Food and non-alcoholic beverages	3538	125.1	129.7	129.3	130.3	130.2	-0.08	0.35	4.03
0111	❖ Bread and cereals	733	115.6	117.0	116.3	115.3	114.2	-0.92	-2.36	-1.20
0112	❖ Meat	274	114.8	115.3	116.0	116.8	116.2	-0.49	0.78	1.20
0113	❖ Fish	83	139.7	157.0	156.8	155.6	157.7	1.33	0.5	12.89
0117	❖ Vegetables	1200	138.2	145.2	144.0	150.9	150.1	-0.49	3.39	8.65
012	❖ Non-alcoholic beverages	160	111.9	115.8	115.9	115.9	118.2	1.94	2.06	5.64
02	Alcoholic beverages and tobacco	240	119.9	123.8	123.7	126.5	124.9	-1.26	0.89	4.23
03	Clothing and footwear	377	112.3	114.2	114.1	114.1	113.1	-0.90	-1.01	0.73
04	Housing, water, electricity, gas and other fuels	2204	111.0	112.4	113.4	111.0	110.8	-0.24	-1.45	-0.24
05	Furnishing, household equipment and routine household maintenance	457	104.0	107.5	107.6	107.8	107.8	0.02	0.33	3.68
06	Health	163	103.8	103.7	103.7	104.1	104.1	-0.02	0.42	0.34
07	Transport	1189	126.0	127.6	127.5	127.1	126.6	-0.42	-0.80	0.48
08	Communication	288	92.8	92.0	91.7	91.2	91.2	0.00	-0.82	-1.74
09	Recreation and culture	256	103.5	106.7	106.1	105.5	105.7	0.25	-0.89	2.15
10	Education	331	129.9	175.6	175.6	175.6	175.6	0.00	0.00	35.18
11	Restaurants and hotels	558	105.1	106.3	106.3	109.3	111.4	1.89	4.81	5.94
12	Miscellaneous goods and services	400	106.5	109.6	110.0	109.2	109.4	0.18	-0.13	2.80

In July 2013 the All Urban general index is established at 121.1 this stands for a decrease of 0.09% over the previous month which was 121.2. In annual change it increased by 3.52% compared to 3.68% in the previous month. This gives a general inflation rate by an annual average of 4.4% during the month of July 2013.

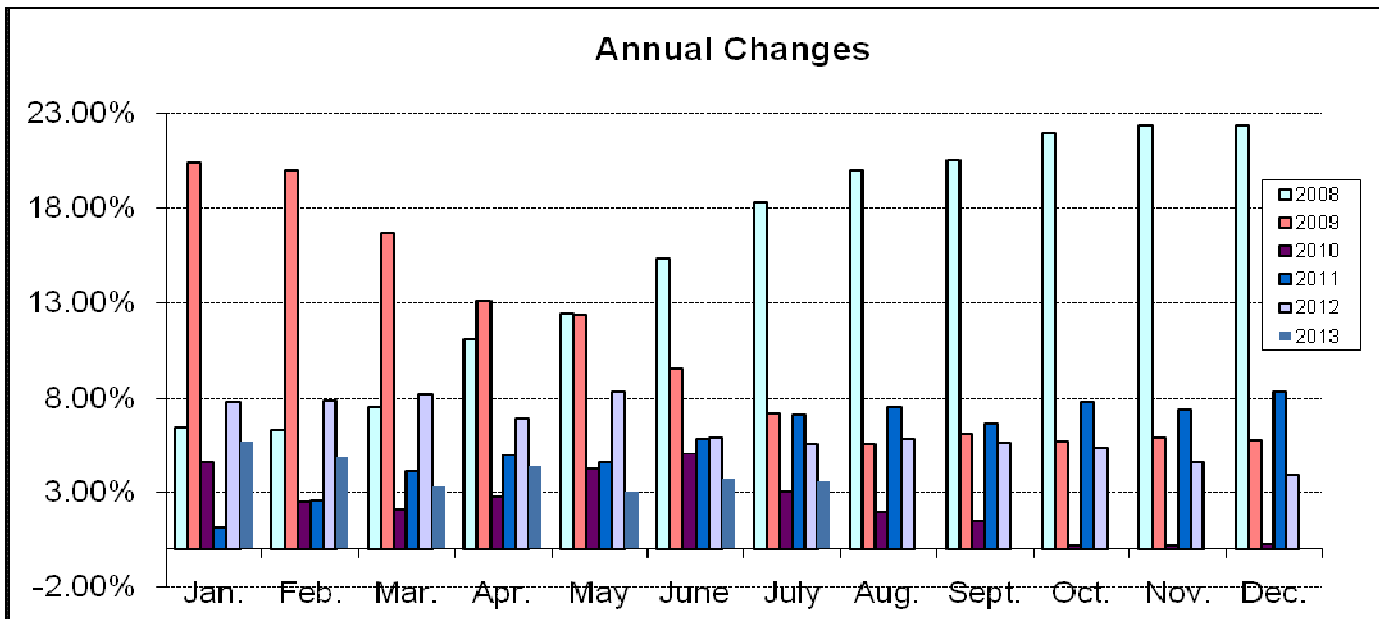
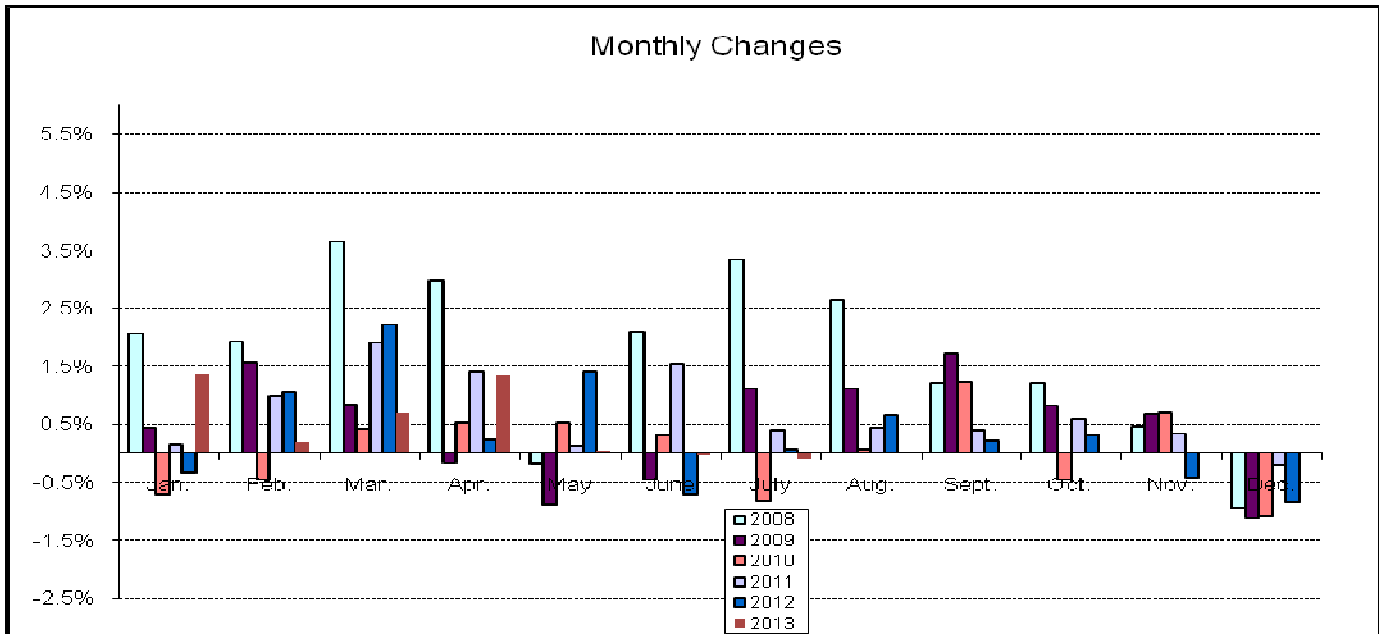
The underlying inflation rate (excluding fresh food and energy) increased by 0.02% if compared to the previous month and increased by 3.64% on annual change. The annual average underlying inflation rate is + 3.6 % in July 2013 up from the previous month 3.5 %.

The decrease in the consumer price index of 0.09 is attributable primarily to the decrease in Food and non-alcoholic beverages (0.08), Housing, water, electricity, gas and other fuels (0.24) and Transport (0.42).

In annual change, the increase in the general index of 3.52 is mainly due to the rising prices of Food and non alcoholic beverages (4.03) and Education (35.18) which contributed +1.52 and + 1.29 respectively.

The 'local goods' increased by 4.01 on annual change with a monthly change of -0.04, while prices of the imported products increased by 1.52 on annual change with a monthly change of -0.28.

The prices of the fresh products had a positive annual change of 5.07 between July 2013 and July 2012.

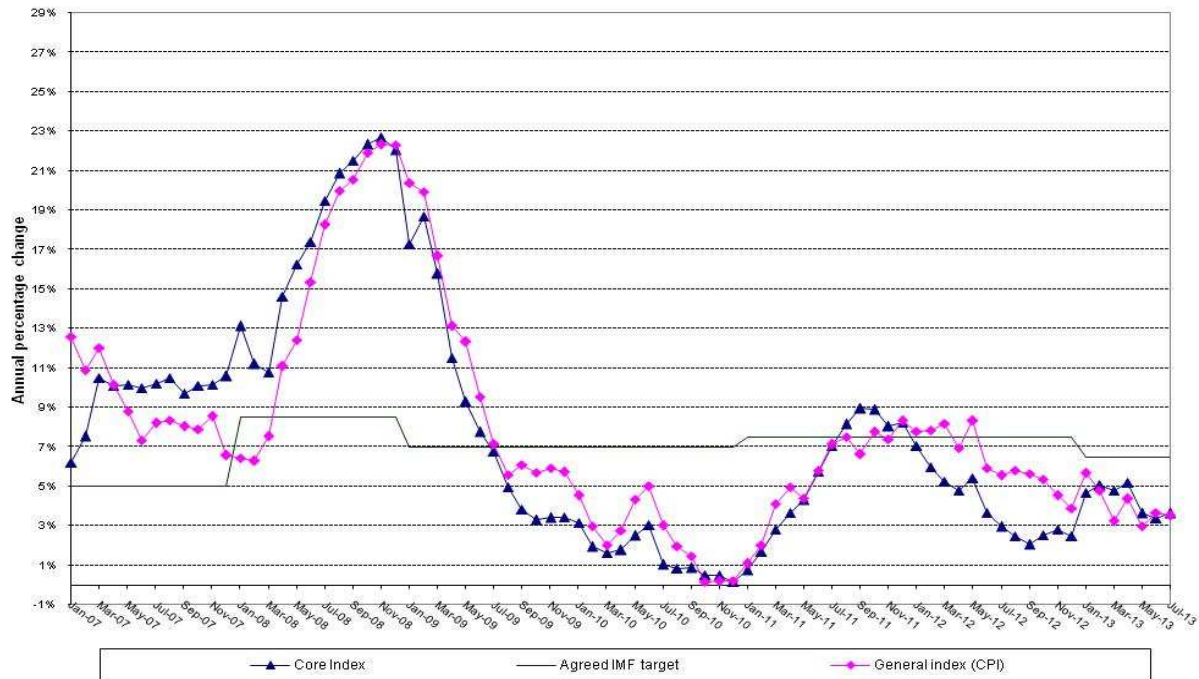


Evolution (over 12 months) of the rate of inflation (%) ⁽¹⁾

MONTH	July 12	Aug. 12	Sept. 12	Oct. 12	Nov. 12	Dec. 12	Jan. 13	Feb. 13	Mar. 13	April 13	May 13	June 13	July 13
General index	7.3	7.2	7.1	6.9	6.7	6.3	6.1	5.9	5.5	5.2	4.8	4.6	4.4
Core / Underlying	6.4	5.9	5.3	4.8	4.4	3.9	3.7	3.7	3.6	3.7	3.5	3.5	3.6

(1) In July 2013, the average index of the last twelve months August 2012 to July 2013 increased by 4.4 (general index) and 3.6 (Core index) compared to the average index of the previous twelve months (August 2011 to July 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:		
		July 12	April 13	May 13	June 13	July 13	1 month	3 months	12 months
GENERAL INDEX	10,000	117.0	121.2	121.3	121.2	121.1	-0.09	-0.07	3.52
Local Goods Index	7,947	118.2	122.8	122.8	122.9	122.9	-0.04	0.09	4.01
Food and non-alcoholic beverages	2,982	127.1	132.0	131.5	132.7	132.6	-0.10	0.47	4.34
Housing, water, electricity, gas and other fuels	2,134	111.1	112.6	113.5	111.1	110.8	-0.19	-1.55	-0.21
Transport	759	125.6	126.7	126.7	126.7	126.7	-0.02	-0.04	0.88
Imported Goods Index	2,053	112.6	115.1	115.2	114.6	114.3	-0.28	-0.71	1.52
Food and non-alcoholic beverages	555	114.5	117.4	117.8	117.0	117.0	0.00	-0.39	2.16
Furnishing, household equipment	196	97.7	100.8	101.0	101.1	101.0	-0.08	0.24	3.36
Transport	430	126.7	129.2	128.9	127.9	126.4	-1.12	-2.13	-0.23
Fresh Products index⁽¹⁾	1,403	142.4	145.5	145.5	149.7	149.6	-0.06	2.84	5.07
Energy index	767	122.9	126.2	129.0	123.4	121.8	-1.25	-3.48	-0.88
General Index excluding fresh Products and energy⁽²⁾	7,829	111.9	116.4	116.2	115.9	115.9	0.02	-0.36	3.64

(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		
			July 12	April 13	May 13	June 13	July 13	1 month	3 months	12 months
	GENERAL INDEX	10000	119.6	123.9	124.4	123.6	124.9	1.07	0.83	4.48
01	Food and non-alcoholic beverages	6387	125.8	132.5	133.2	132.0	133.9	1.47	1.08	6.47
0111	❖ Bread and cereals	1203	111.9	111.8	108.7	107.4	104.0	-3.16	-6.99	-7.04
0112	❖ Meat	169	111.2	117.4	118.1	119.5	118.9	-0.44	1.33	6.95
0113	❖ Fish	72	144.4	142.8	137.0	141.3	148.4	5.01	3.92	2.76
0117	❖ Vegetables	3213	141.1	151.7	154.9	153.1	159.4	4.08	5.04	12.94
012	❖ Non-alcoholic beverages	196	111.3	104.7	103.3	103.3	102.9	-0.35	-1.63	-7.52
02	Alcoholic beverages and tobacco	424	109.3	104.0	103.5	103.2	105.1	1.82	1.03	-3.89
03	Clothing and footwear	348	120.6	120.4	120.1	119.5	120.3	0.70	-0.06	-0.28
04	Housing, water, electricity, gas and other fuels	1274	105.5	104.4	104.7	104.6	103.5	-0.99	-0.87	-1.92
05	Furnishing, household equipment and routine household maintenance	277	103.7	107.8	106.8	107.1	109.4	2.15	1.49	5.48
06	Health	112	104.0	105.8	105.7	105.7	105.2	-0.52	-0.63	1.17
07	Transport	426	106.8	109.3	109.4	108.7	108.7	0.00	-0.54	1.71
08	Communication	51	93.3	92.4	92.4	92.5	92.4	-0.16	-0.04	-1.05
09	Recreation and culture	112	105.9	103.4	104.7	103.3	104.5	1.18	1.08	-1.35
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	115.0	115.1	118.6	119.2	0.50	3.60	3.37
12	Miscellaneous goods and services	230	108.6	111.4	112.8	113.3	114.2	0.81	2.52	5.13

ALL RWANDA CONSUMER PRICE INDEX

February 2009=100

	Divisions ❖ Groups	Weights	Indices for the following months:					Changes in % over		
			July 12	April 13	May 13	June 13	July 13	1 month	3 months	12 months
	GENERAL INDEX	10000	118.7	123.0	123.3	122.8	123.6	0.69	0.53	4.16
01	Food and non-alcoholic beverages	5422	125.6	131.9	132.3	131.6	133.1	1.13	0.92	5.94
0111	❖ Bread and cereals	1044	112.8	113.0	110.5	109.3	106.4	-2.60	-5.85	-5.62
0112	❖ Meat	205	112.9	116.4	117.1	118.2	117.7	-0.46	1.08	4.29
0113	❖ Fish	76	142.6	148.1	144.4	146.6	151.8	3.56	2.55	6.45
0117	❖ Vegetables	2531	140.6	150.7	153.1	152.8	157.9	3.35	4.79	12.27
012	❖ Non-alcoholic beverages	184	111.5	107.9	107.0	107.0	107.4	0.38	-0.47	-3.63
02	Alcoholic beverages and tobacco	362	111.7	108.4	108.1	108.4	109.5	1.02	1.00	-1.93
03	Clothing and footwear	358	117.6	118.2	118.0	117.6	117.7	0.15	-0.39	0.07
04	Housing, water, electricity, gas and other fuels	1589	108.1	108.2	108.8	107.6	106.9	-0.63	-1.16	-1.11
05	Furnishing, household equipment and routine household maintenance	338	103.0	106.7	106.3	106.5	107.8	1.19	0.99	4.66
06	Health	130	103.9	104.9	104.9	105.1	104.7	-0.31	-0.19	0.82
07	Transport	685	118.1	120.1	120.0	119.5	119.2	-0.26	-0.71	0.94
08	Communication	131	93.0	92.1	91.9	91.6	91.5	-0.04	-0.62	-1.56
09	Recreation and culture	161	104.8	105.3	105.6	104.6	105.3	0.64	-0.05	0.48
10	Education	203	126.0	155.1	155.1	155.1	155.1	0.00	0.00	23.18
11	Restaurants and hotels	336	109.6	110.1	110.1	113.3	114.9	1.37	4.34	4.83
12	Miscellaneous goods and services	288	107.6	110.5	111.5	111.4	111.9	0.52	1.28	4.04

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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