

REPUBLIC OF RWANDA



NATIONAL INSTITUTE OF STATISTICS OF RWANDA

CONSUMER PRICE INDEX (CPI) August 2012

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 15th**

All Urban Index:

In August 2012 the All Urban general index is established at 117.8 this stands for an increase of 0.66% over the previous month which was 117.0. In annual change it increased by 5.81% compared to 5.57% in the previous month. This gives a general inflation rate by an annual average of 7.2% during the month of August 2012.

The underlying inflation rate (excluding fresh food and energy) is increased by 0.28% if compared to the previous month and increased by 2.49% on annual change. The annual average underlying inflation rate is + 5.9% in August 2012 down from the previous month 6.4%.

All Rural Index:

In August 2012 the All Rural general index is established at 121.3 this stands for an increase of 1.44% over the previous month which was 119.6. In annual change it increased by 13.63% compared to 12.26% in the previous month.

All Rwanda Index:

In August 2012 the All Rwanda general index is established at 120.1 this stands for an increase of 1.18% over the previous month which was 118.7. In annual change it increased by 10.91% compared to 9.93% in the previous month.

Feb 2009=100	Aug. 11	Sept. 11	Oct. 11	Nov. 11	Dec. 11	Jan. 12	Feb. 12	Mar. 12	April 12	May 12	June 12	July 12	Aug. 12
All Urban General Index	111.3	111.8	112.4	112.8	112.6	112.2	113.3	115.8	116.1	117.8	116.9	117.0	117.8
Annual change	7.52	6.64	7.76	7.39	8.34	7.81	7.85	8.18	6.95	8.32	5.92	5.57	5.81
All Rural General Index	106.8	108.0	108.9	109.7	108.4	107.2	109.2	114.2	116.8	118.7	118.2	119.6	121.3
Annual change	5.61	2.95	3.27	5.11	6.85	8.53	10.91	14.22	11.50	12.09	11.17	12.26	13.63
All Rwanda General Index	108.3	109.3	110.1	110.7	109.8	108.9	110.6	114.7	116.5	118.3	117.7	118.7	120.1
Annual change	6.27	4.20	4.77	5.88	7.35	8.28	9.83	12.08	9.92	10.79	9.34	9.93	10.91

ALL URBAN CONSUMER PRICE INDEX

February 2009=100

	Divisions ❖ Groups	Weights	Indices for the following months:					Changes in % over		
			Aug. 11	May 12	June 12	July 12	Aug. 12	1 month	3 months	12 months
	GENERAL INDEX	10000	111.3	117.8	116.9	117.0	117.8	0.66	0.02	5.81
01	Food and non-alcoholic beverages	3538	113.3	126.0	124.8	125.1	127.6	1.94	1.21	12.63
0111	❖ Bread and cereals	733	108.2	115.9	116.9	115.6	115.7	0.09	-0.15	6.95
0112	❖ Meat	274	105.1	115.0	115.1	114.8	115.2	0.28	0.15	9.62
0113	❖ Fish	83	128.6	141.3	142.4	139.7	135.1	-3.27	-4.4	5.09
0117	❖ Vegetables	1200	113.5	142.1	136.2	138.2	145.4	5.23	2.37	28.14
012	❖ Non-alcoholic beverages	160	104.1	110.6	110.5	111.9	114.2	2.05	3.22	9.64
02	Alcoholic beverages and tobacco	240	117.1	118.9	124.4	119.9	119.9	0.02	0.80	2.43
03	Clothing and footwear	377	110.2	111.6	112.4	112.3	112.5	0.20	0.77	2.03
04	Housing, water, electricity, gas and other fuels	2204	105.2	113.7	110.8	111.0	110.8	-0.20	-2.57	5.31
05	Furnishing, household equipment and routine household maintenance	457	101.2	103.4	103.4	104.0	106.0	1.89	2.46	4.70
06	Health	163	103.0	102.8	103.6	103.8	103.8	0.07	0.99	0.79
07	Transport	1189	127.2	125.5	126.0	126.0	125.0	-0.77	-0.39	-1.73
08	Communication	288	99.4	93.0	93.0	92.8	92.7	-0.19	-0.41	-6.73
09	Recreation and culture	256	105.9	104.0	104.2	103.5	104.2	0.65	0.16	-1.65
10	Education	331	128.6	129.9	129.9	129.9	129.9	0.00	0.00	1.00
11	Restaurants and hotels	558	103.0	105.0	105.4	105.1	104.8	-0.37	-0.27	1.71
12	Miscellaneous goods and services	400	103.3	105.8	105.8	106.5	106.2	-0.21	0.45	2.86

In August 2012 the All Urban general index is established at 117.8 this stands for an increase of 0.66% over the previous month which was 117.0. In annual change it increased by 5.81% compared to 5.57% in the previous month. This gives a general inflation rate by an annual average of 7.2% during the month of August 2012.

The underlying inflation rate (excluding fresh food and energy) is increased by 0.28% if compared to the previous month and increased by 2.49% on annual change. The annual average underlying inflation rate is + 5.9% in August 2012 down from the previous month 6.4%.

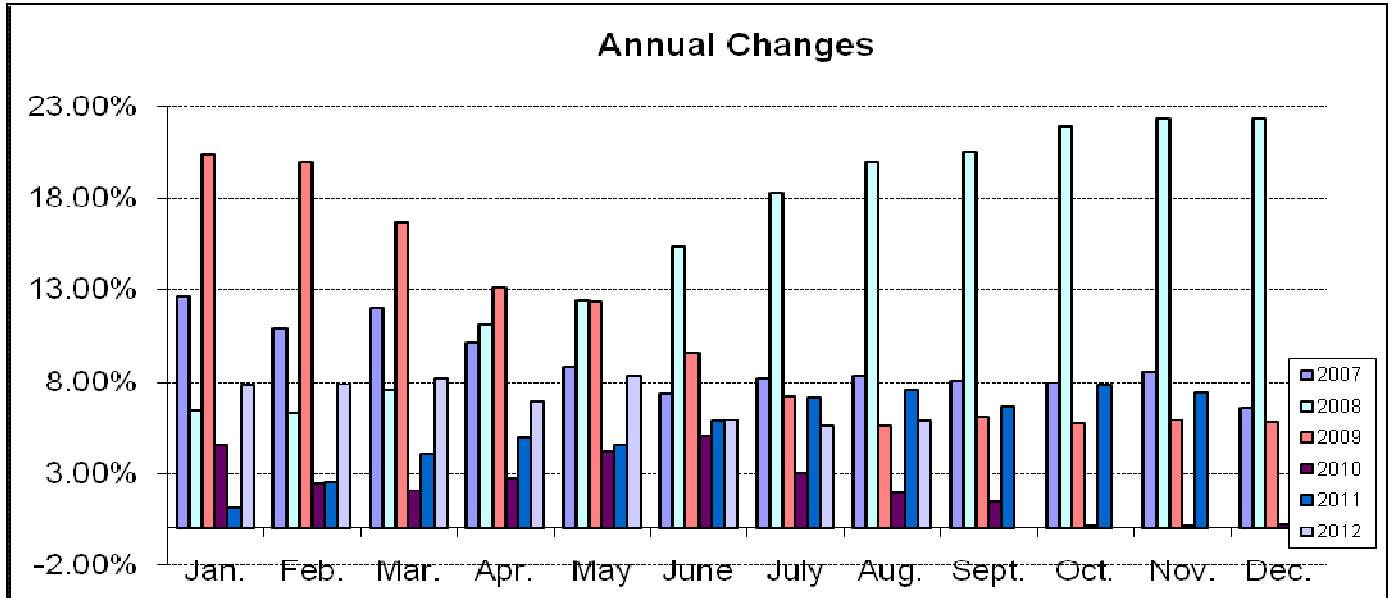
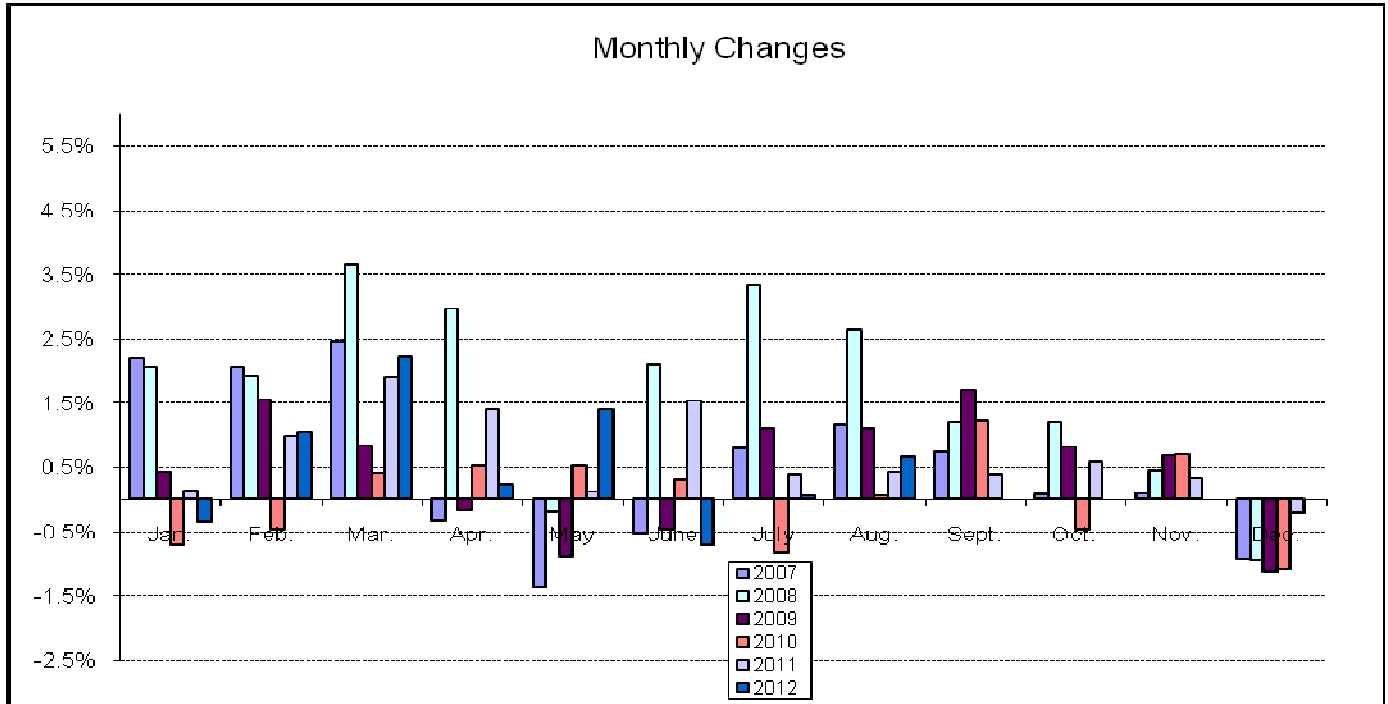
The increase in the consumer price index of 0.66 is attributable primarily to the increase in Food and non-alcoholic beverages (1.94).

It is noted that the increase of 1.94 in prices of Food and non alcoholic beverages is primary attributable to the increase of 5.23 of vegetables.

In annual change, the increase in the general index of 5.81 is mainly due to the rising prices of Food and non alcoholic beverages(12.63) and Housing, water, electricity, gas and other fuels (5.31) which contributed +4.54 and +1.11 respectively.

The 'local goods' increased by 7.00 on annual change with a monthly change of 0.99, while prices of the imported products increased by 1.16 on annual change with a monthly change of -0.67.

The prices of the fresh products had a positive annual change of 22.89 between August 2012 and August 2011.

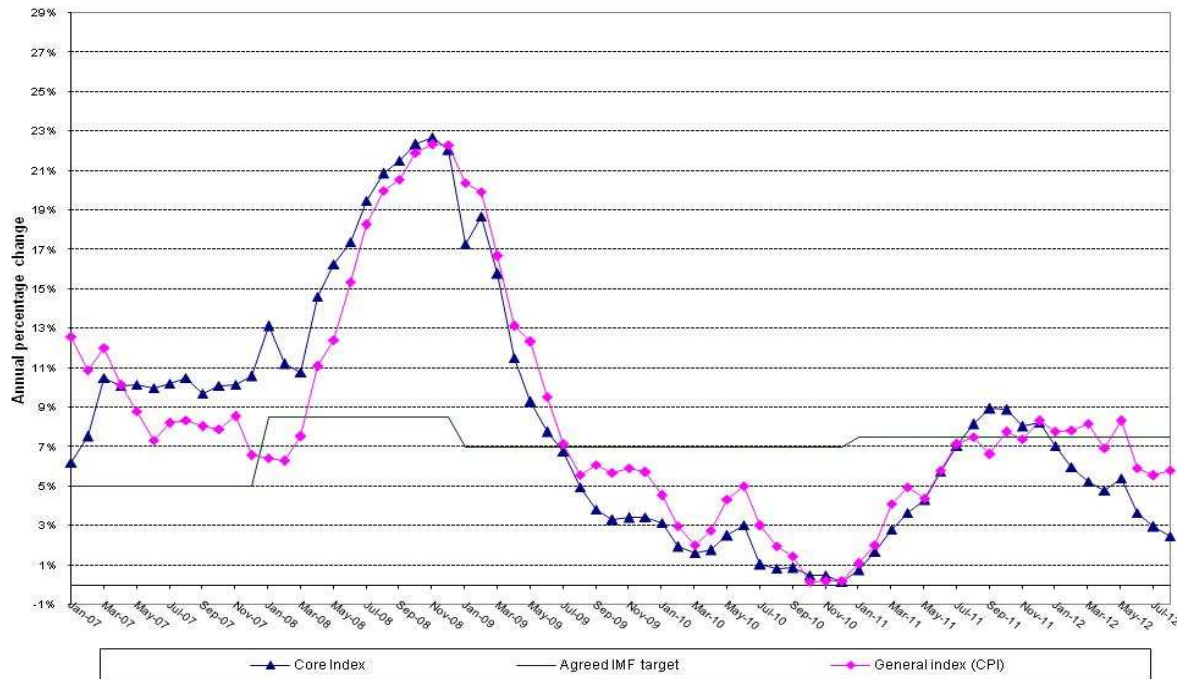


Evolution (over 12 months) of the rate of inflation (%)⁽¹⁾

MONTH	Aug. 11	Sept. 11	Oct. 11	Nov. 11	Dec. 11	Jan. 12	Feb. 12	Mar. 12	April 12	May 12	June 12	July 12	Aug. 12
General index	3.3	3.7	4.4	5.0	5.6	6.2	6.6	7.0	7.2	7.5	7.5	7.3	7.2
Core / Underlying	3.0	3.7	4.4	4.9	5.7	6.2	6.6	6.8	6.9	6.9	6.8	6.4	5.9

(1) In August 2012, the average index of the last twelve months September 2011 to August 2012 increased by 7.2 (general index) And 5.9 (Core index) compared to the average index of the previous twelve months (September 2010 to August 2011).

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:		
		August 11	May 12	June 12	July 12	August 12	1 month	3 months	12 months
GENERAL INDEX	10,000	111.3	117.8	116.9	117.0	117.8	0.66	0.02	5.81
Local Goods Index	7,947	111.5	119.4	118.1	118.2	119.3	0.99	-0.07	7.00
Food and non-alcoholic beverages	2,982	114.1	128.6	126.8	127.1	130.1	2.38	1.15	14.05
Housing, water, electricity, gas and other fuels	2,134	105.2	114.0	110.8	111.1	110.9	-0.15	-2.68	5.47
Transport	759	127.6	125.2	125.4	125.6	125.5	-0.03	0.24	-1.60
Imported Goods Index	2,053	110.5	111.4	112.5	112.6	111.8	-0.67	0.40	1.16
Food and non-alcoholic beverages	555	108.8	112.0	114.1	114.5	113.8	-0.64	1.56	4.62
Furnishing, household equipment	196	97.0	97.4	97.6	97.7	97.7	-0.02	0.30	0.79
Transport	430	126.6	126.0	127.1	126.7	124.1	-2.08	-1.50	-1.96
Fresh Products index⁽¹⁾	1,403	120.0	144.9	140.8	142.4	147.5	3.58	1.79	22.89
Energy index	767	114.4	125.9	122.2	122.9	120.6	-1.93	-4.22	5.39
General Index excluding fresh Products and energy⁽²⁾	7,829	109.5	112.1	112.1	111.9	112.2	0.28	0.08	2.49

(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. 11	May 12	June 12	July 12	Aug. 12	1 month	3 months	12 months
	GENERAL INDEX	10000	106.8	118.7	118.2	119.6	121.3	1.44	2.24	13.63
01	Food and non-alcoholic beverages	6387	107.0	125.0	124.1	125.8	128.3	2.04	2.64	19.97
0111	❖ Bread and cereals	1203	99.2	112.9	113.5	111.9	113.0	1.05	0.14	13.95
0112	❖ Meat	169	102.8	111.1	112.5	111.2	110.4	-0.70	-0.62	7.46
0113	❖ Fish	72	120.9	140.9	144.4	144.4	136.0	-5.82	-3.51	12.45
0117	❖ Vegetables	3213	117.8	140.4	137.2	141.1	146.2	3.62	4.16	24.09
012	❖ Non-alcoholic beverages	196	97.1	102.8	105.8	111.3	108.7	-2.36	5.70	11.89
02	Alcoholic beverages and tobacco	424	102.3	107.4	109.2	109.3	110.6	1.18	2.95	8.08
03	Clothing and footwear	348	114.3	120.5	120.4	120.6	121.0	0.28	0.39	5.83
04	Housing, water, electricity, gas and other fuels	1274	103.9	102.3	102.9	105.5	104.4	-1.12	1.98	0.49
05	Furnishing, household equipment and routine household maintenance	277	110.3	106.5	104.6	103.7	110.2	6.27	3.45	-0.15
06	Health	112	101.9	103.3	103.5	104.0	104.5	0.55	1.16	2.54
07	Transport	426	108.4	106.9	107.2	106.8	106.7	-0.17	-0.20	-1.59
08	Communication	51	98.9	93.7	93.7	93.3	93.1	-0.29	-0.68	-5.89
09	Recreation and culture	112	105.7	105.7	106.4	105.9	106.0	0.08	0.27	0.27
10	Education	137	113.6	121.1	121.1	121.1	121.1	0.00	0.00	6.62
11	Restaurants and hotels	222	110.9	114.2	115.4	115.3	115.3	-0.01	0.91	3.92
12	Miscellaneous goods and services	230	105.6	108.1	107.5	108.6	108.2	-0.37	0.15	2.51

ALL RWANDA CONSUMER PRICE INDEX

February 2009=100

	Divisions ❖ Groups	Weights	Indices for the following months:					Changes in % over		
			Aug. 11	May 12	June 12	July 12	Aug. 12	1 month	3 months	12 months
	GENERAL INDEX	10000	108.3	118.3	117.7	118.7	120.1	1.18	1.48	10.91
01	Food and non-alcoholic beverages	5422	108.4	125.3	124.2	125.6	128.2	2.02	2.32	18.27
0111	❖ Bread and cereals	1044	101.3	113.6	114.3	112.8	113.7	0.81	0.07	12.17
0112	❖ Meat	205	103.8	112.9	113.7	112.9	112.6	-0.24	-0.26	8.45
0113	❖ Fish	76	123.8	141.1	143.7	142.6	135.7	-4.89	-3.83	9.61
0117	❖ Vegetables	2531	117.1	140.6	137.0	140.6	146.1	3.88	3.87	24.72
012	❖ Non-alcoholic beverages	184	99.2	105.1	107.2	111.5	110.3	-1.06	4.93	11.19
02	Alcoholic beverages and tobacco	362	105.6	110.0	112.6	111.7	112.7	0.90	2.43	6.67
03	Clothing and footwear	358	112.9	117.3	117.6	117.6	117.9	0.25	0.52	4.51
04	Housing, water, electricity, gas and other fuels	1589	104.5	107.7	106.6	108.1	107.4	-0.68	-0.28	2.77
05	Furnishing, household equipment and routine household maintenance	338	105.6	104.4	103.2	103.0	107.4	4.29	2.87	1.77
06	Health	130	102.4	103.1	103.5	103.9	104.2	0.35	1.09	1.79
07	Transport	685	119.5	117.8	118.3	118.1	117.5	-0.55	-0.32	-1.68
08	Communication	131	99.2	93.2	93.2	93.0	92.8	-0.22	-0.48	-6.51
09	Recreation and culture	161	105.8	104.9	105.3	104.8	105.1	0.36	0.24	-0.61
10	Education	203	118.9	126.0	126.0	126.0	126.0	0.00	0.00	5.92
11	Restaurants and hotels	336	106.5	109.1	109.7	109.6	109.3	-0.21	0.27	2.72
12	Miscellaneous goods and services	288	104.5	107.0	106.7	107.6	107.3	-0.30	0.29	2.67

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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