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# Consumer Price Index

August 2017

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## KEY FINDINGS

### Headline consumer price index (CPI for all urban areas)

Annual consumer price inflation was 4,8% in August 2017, up from 4,6% in July 2017. The consumer price index increased by 0,1% month-on-month in August 2017.

**Table C** (page 6) shows contributions to headline annual consumer price inflation.

- **Food and non-alcoholic beverages** decreased from 1,1 percentage points in July to 1,0 percentage point in August. The index increased by 5,7% year-on-year.
- **Alcoholic beverages and tobacco** increased from 0,2 of a percentage point in July to 0,3 of a percentage point in August. The index increased by 4,3% year-on-year.
- **Transport** increased from 0,1 of a percentage point in July to 0,6 of a percentage point in August. The index increased by 3,9% year-on-year.
- **Recreation and culture** decreased from 0,2 of a percentage point in July to 0,1 of a percentage point in August. The index increased by 2,4% year-on-year.
- **Miscellaneous goods and services** decreased from 1,2 percentage points in July to 1,1 percentage points in August. The index increased by 7,5% year-on-year.

**Table D** (page 6) shows contributions to monthly consumer price inflation.

- **Alcoholic beverages and tobacco** contributed 0,1 of a percentage point in August. The index increased by 1,2% month-on-month.
- **Transport** contributed 0,1 of a percentage point in August. The index increased by 0,5% month-on-month.

In August the CPI for **goods** increased by 4,0% year-on-year (up from 3,4% in July), and the CPI for **services** increased by 5,6% year-on-year (unchanged from July).

**Provincial** annual inflation rates ranged from 3,5% in Northern Cape and North West to 5,7% in Western Cape (see Table A).

**Note:** Not all items in the CPI are surveyed every month. Table F (page 9) shows the survey schedule for items that are not surveyed monthly. No additional surveys are scheduled for September 2017.

**Change in methodology:** Sectional title levies form part of the index for water and other services. The levies were surveyed quarterly (March, June, September, December). As from October 2017 the change in levy rates will be captured on a monthly basis.

**PJ Lehohla**  
**Statistician-General**

## DETAILED RESULTS

Table A - Consumer Price Index: Main indices

Unless otherwise stated the table refers to all urban areas.

Group		Weight	Index (Dec 2016=100)			Percentage change		
			Aug 2016	Jul 2017	Aug 2017	Aug 2017 vs. Jul 2017	Aug 2017 vs. Aug 2016	
All items (CPI Headline)		100,00	98,6	103,2	103,3	0,1	4,8	
CPI excluding food and NAB, fuel and energy		74,43	98,9	103,3	103,4	0,1	4,6	
Trimmed mean		..	98,4	102,5	102,9	0,4	4,6	
Analytical series	CPI for all goods	48,70	98,4	102,1	102,3	0,2	4,0	
	CPI for durable goods	7,81	99,2	100,4	100,4	0,0	1,2	
	CPI for semi-durable goods	5,68	98,7	100,6	100,7	0,1	2,0	
	CPI for non-durable goods	35,21	98,2	102,9	103,1	0,2	5,0	
	CPI for services	51,30	98,7	104,2	104,2	0,0	5,6	
	CPI for administered prices	Total	16,17	98,9	102,9	103,3	0,4	4,4
		Regulated	11,76	98,5	101,7	102,2	0,5	3,8
		Not regulated	4,41	100,0	106,1	106,1	0,0	6,1
	CPI excluding administered prices	83,83	98,6	103,2	103,2	0,0	4,7	
	CPI for administered prices excluding fuel and paraffin	11,54	100,0	104,0	104,0	0,0	4,0	
	CPI excluding food and NAB	82,76	98,8	103,1	103,2	0,1	4,5	
	CPI excluding fuel	95,42	98,7	103,3	103,3	0,0	4,7	
	CPI excluding food and NAB and fuel	78,18	99,0	103,2	103,3	0,1	4,3	
	CPI excluding housing	75,38	98,6	103,2	103,3	0,1	4,8	
	CPI excluding fuel and energy	91,67	98,6	103,3	103,4	0,1	4,9	
	CPI excluding energy	96,25	98,5	103,2	103,3	0,1	4,9	
	CPI excluding owners' equivalent rent	86,68	98,7	103,3	103,4	0,1	4,8	
CPI for pensioners	..	98,4	103,3	103,4	0,1	5,1		
Geographic indices	CPI for total country	100,00	98,6	103,0	103,1	0,1	4,6	
	CPI for rural areas	12,23	98,6	102,2	102,1	-0,1	3,5	
	CPI per province	Western Cape	17,25	97,7	103,2	103,3	0,1	5,7
		Eastern Cape	8,04	98,7	103,0	102,8	-0,2	4,2
		Northern Cape	1,93	99,2	102,5	102,7	0,2	3,5
		Free State	5,93	98,6	102,8	103,1	0,3	4,6
		KwaZulu-Natal	12,70	98,7	102,7	102,9	0,2	4,3
		North West	5,31	98,9	102,2	102,4	0,2	3,5
		Gauteng	36,25	98,8	103,5	103,5	0,0	4,8
Mpumalanga		6,89	98,9	102,5	102,5	0,0	3,6	
Limpopo	5,70	98,5	102,6	102,4	-0,2	4,0		
Deciles	CPI per expenditure decile	1	0,50	98,6	101,1	100,9	-0,2	2,3
		2	1,13	98,6	101,8	101,7	-0,1	3,1
		3	1,89	98,6	102,0	102,0	0,0	3,4
		4	2,81	98,6	102,2	102,1	-0,1	3,5
		5	3,93	98,6	102,2	102,2	0,0	3,7
		6	5,61	98,6	102,4	102,4	0,0	3,9
		7	7,91	98,5	102,7	102,8	0,1	4,4
		8	11,30	98,5	102,9	103,0	0,1	4,6
		9	16,35	98,6	103,4	103,5	0,1	5,0
		10	48,57	98,6	103,4	103,5	0,1	5,0

**Table B - CPI headline**

**Table B1 - CPI headline index numbers (Dec 2016=100)**

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Average <sup>1</sup>
2013	80,4	81,2	82,2	82,5	82,3	82,5	83,4	83,6	84,0	84,2	84,3	84,5	82,9
2014	85,1	86,0	87,2	87,6	87,7	88,0	88,7	89,0	89,0	89,2	89,2	89,0	88,0
2015	88,9	89,4	90,7	91,5	91,7	92,1	93,1	93,1	93,1	93,3	93,4	93,7	92,0
2016	94,4	95,7	96,4	97,2	97,4	97,9	98,7	98,6	98,8	99,3	99,6	100,0	97,8
2017	100,6	101,7	102,3	102,4	102,7	102,9	103,2	103,3	..	..	..	..	..

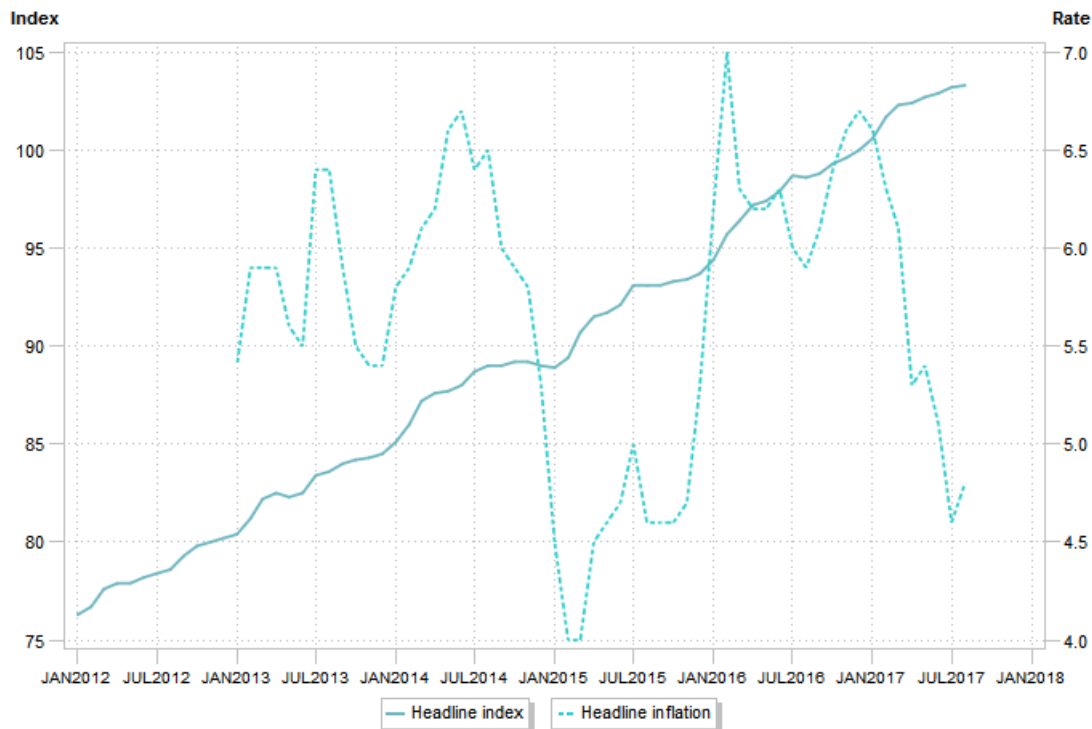
<sup>1</sup> Annual average

**Table B2 - CPI headline year-on-year rates**

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Average <sup>1</sup>
2013	5,4	5,9	5,9	5,9	5,6	5,5	6,3	6,4	6,0	5,5	5,3	5,4	5,7
2014	5,8	5,9	6,0	6,1	6,6	6,6	6,3	6,4	5,9	5,9	5,8	5,3	6,1
2015	4,4	3,9	4,0	4,5	4,6	4,7	5,0	4,6	4,6	4,7	4,8	5,2	4,6
2016	6,2	7,0	6,3	6,2	6,1	6,3	6,0	5,9	6,1	6,4	6,6	6,8	6,4
2017	6,6	6,3	6,1	5,3	5,4	5,1	4,6	4,8	..	..	..	..	..

<sup>1</sup> Annual average.

**Figure 1 - CPI headline index numbers and year-on-year rates**



**Table C - Contributions of the different groups to the annual percentage change in the CPI headline**

Group	Contribution	
	Jul 2017	Aug 2017
Food and non-alcoholic beverages	1,1	1,0
Alcoholic beverages and tobacco	0,2	0,3
Clothing and footwear	0,1	0,1
Housing and utilities	1,1	1,1
Household contents and services	0,1	0,1
Health	0,1	0,1
Transport	0,1	0,6
Recreation and culture	0,2	0,1
Education	0,2	0,2
Restaurants and hotels	0,1	0,1
Miscellaneous goods and services	1,2	1,1
Residual	0,1	0,0
All Items	4,6	4,8

**Table D - Contributions of the different groups to the monthly percentage change in the CPI headline**

Group	Contribution	
	Jul 2017	Aug 2017
Food and non-alcoholic beverages	0,1	0,0
Alcoholic beverages and tobacco	0,0	0,1
Housing and utilities	0,3	0,0
Transport	-0,2	0,1
Miscellaneous goods and services	0,1	0,0
Residual	0,0	-0,1
All Items	0,3	0,1

Table E - Consumer price indices for all urban areas

Group	Weight	Index (Dec 2016=100)			Percentage change		
		Aug 2016	Jul 2017	Aug 2017	Aug 2017 vs. Jul 2017	Aug 2017 vs. Aug 2016	
All items (CPI Headline)	100,00	98,6	103,2	103,3	0,1	4,8	
Food and non-alcoholic beverages	Food	17,24	97,8	103,6	103,4	-0,2	5,7
		15,48	97,8	103,6	103,4	-0,2	5,7
	Processed	8,67	98,4	103,5	103,1	-0,4	4,8
	Unprocessed	6,81	97,2	103,6	103,6	0,0	6,6
	Bread and cereals	3,21	98,2	98,1	97,0	-1,1	-1,2
	Meat	5,46	96,3	110,3	110,7	0,4	15,0
	Fish	0,40	98,8	102,7	103,4	0,7	4,7
	Milk, eggs and cheese	2,57	99,7	102,6	102,5	-0,1	2,8
	Oils and fats	0,45	101,1	97,7	97,3	-0,4	-3,8
	Fruit	0,34	93,3	90,7	90,0	-0,8	-3,5
	Vegetables	1,30	98,3	97,3	96,8	-0,5	-1,5
	Sugar, sweets and desserts	0,56	98,4	107,1	106,4	-0,7	8,1
	Other food	1,19	97,3	100,2	100,2	0,0	3,0
	Non-alcoholic beverages	1,76	98,1	104,1	103,5	-0,6	5,5
	Hot beverages	0,65	98,5	106,5	105,9	-0,6	7,5
	Cold beverages	1,11	97,9	102,7	102,1	-0,6	4,3
Alcoholic beverages and tobacco	Alcoholic beverages	5,82	99,7	102,8	104,0	1,2	4,3
		3,89	99,5	102,1	104,0	1,9	4,5
	Spirits	0,86	98,4	102,0	102,1	0,1	3,8
	Wine	1,05	99,3	105,3	105,8	0,5	6,5
	Beer	1,98	99,9	100,4	103,8	3,4	3,9
Tobacco	1,93	99,9	104,3	104,2	-0,1	4,3	
Clothing and footwear		3,83	98,4	101,1	101,2	0,1	2,8
	Clothing	2,71	98,3	101,1	101,2	0,1	3,0
	Footwear	1,12	98,8	101,0	101,2	0,2	2,4
Housing and utilities		24,62	98,6	103,0	103,0	0,0	4,5
	Actual rentals for housing	3,52	97,7	102,6	102,6	0,0	5,0
	Owners' equivalent rent	13,32	97,6	102,4	102,4	0,0	4,9
	Maintenance and repair	0,82	100,4	102,2	102,4	0,2	2,0
	Water and other services	3,16	100,0	107,1	107,1	0,0	7,1
Electricity and other fuels	3,80	100,0	102,1	102,1	0,0	2,1	
Household contents and services		4,35	98,9	101,2	100,9	-0,3	2,0
	Furnishings, floor coverings and textiles	0,81	99,4	97,6	96,4	-1,2	-3,0
	Appliances, tableware and equipment	0,73	100,9	98,1	97,8	-0,3	-3,1
	Supplies and services	2,81	98,3	103,0	103,1	0,1	4,9
	Domestic workers' wages	2,45	98,1	103,3	103,3	0,0	5,3
Health		1,40	98,9	106,0	105,8	-0,2	7,0
	Medical products	0,53	97,8	105,3	104,8	-0,5	7,2
	Medical services	0,87	100,0	106,4	106,4	0,0	6,4

Table E - Consumer price indices for all urban areas (concluded)

Group		Weight	Index (Dec 2016=100)			Percentage change		
			Aug 2016	Jul 2017	Aug 2017	Aug 2017 vs. Jul 2017	Aug 2017 vs. Aug 2016	
Transport		14,28	97,9	101,2	101,7	0,5	3,9	
	Purchase of vehicles	6,12	98,6	101,8	102,0	0,2	3,4	
	Private transport operation		5,86	96,9	100,8	101,9	1,1	5,2
		Fuel	4,58	96,0	100,1	101,5	1,4	5,7
	Other running costs	1,28	99,8	103,3	103,3	0,0	3,5	
Public transport	2,30	98,8	100,5	100,4	-0,1	1,6		
Communication		2,63	100,1	98,9	98,8	-0,1	-1,3	
	Postal services and telecommunication services	2,43	100,0	99,5	99,5	0,0	-0,5	
	Telecommunication equipment	0,20	104,0	92,3	90,3	-2,2	-13,2	
Recreation and culture		5,16	98,5	100,9	100,9	0,0	2,4	
	Recreational equipment	1,25	99,3	98,8	98,3	-0,5	-1,0	
	Recreational and cultural services	3,10	99,7	100,9	100,9	0,0	1,2	
	Books, newspapers and stationery	0,64	97,9	103,9	104,6	0,7	6,8	
	Package holidays	0,17	85,3	106,3	106,1	-0,2	24,4	
Education		2,53	100,0	107,0	107,0	0,0	7,0	
	Primary and secondary	1,54	100,0	107,6	107,6	0,0	7,6	
	Tertiary	0,99	100,0	106,2	106,2	0,0	6,2	
Restaurants and hotels		3,09	97,4	101,2	101,5	0,3	4,2	
	Restaurants	1,98	98,9	103,7	104,2	0,5	5,4	
	Hotels	1,11	93,8	96,6	96,5	-0,1	2,9	
Miscellaneous goods and services		15,05	99,5	107,0	107,0	0,0	7,5	
	Personal care	2,12	98,9	103,4	103,3	-0,1	4,4	
	Insurance	10,06	99,9	107,9	107,9	0,0	8,0	
	Financial services	1,53	100,0	105,4	105,5	0,1	5,5	
	Other goods and services	1,34	96,4	108,0	108,0	0,0	12,0	



**Table F - Survey schedule for non-monthly surveys**

<b>Quarterly</b>	
January, April, July, October	Gymnasium fees (Recreation and culture) Funeral expenses, funeral policies, gravestone maintenance (Miscellaneous)
February, May, August, November	Private-sector hospitals (Health)
March, June, September, December	Actual rentals for housing, owners' equivalent rent (Housing and utilities) Domestic workers' wages (Household contents and services) Taxi fares, train fares (Transport) Motor vehicle insurance (Miscellaneous)
<b>Biannual</b>	
January, July	Building insurance, household content insurance (Miscellaneous)
February, April	Medical aid (Miscellaneous)
February, August	Rugby tickets (Recreation and culture)
April, October	Television licences (Recreation and culture)
May, November	Electricians, plumbers (Housing and utilities)
July, August	Municipal charges for water, property rates and electricity (Housing and utilities)
<b>Annual</b>	
January	Post box rental (Communication) Lotto tickets (Recreation and culture)
February	Private-sector doctors and dentists (Health)
March	School and university tuition fees (Education) Toll fees (Transport) University boarding fees (Restaurants and hotels) Crèche fees (Miscellaneous)
April	Public-sector hospitals and doctors (Health) Stamps (Communication)
October	Cricket tickets (Recreation and culture)
<b>Other</b>	
January, March, April, June, July, September, October, December	Local bus fares (Transport)

Additional surveys are conducted for these items when Stats SA is aware of significant price changes outside regular survey months.

## GLOSSARY

A complete set of definitions is available in the methods and sources document on the Stats SA website

[http://www.statssa.gov.za/?page\\_id=2528](http://www.statssa.gov.za/?page_id=2528)

<b>Annual inflation rate</b>	The annual inflation rate is the change in the index of the relevant month of the current year compared with the index of the same month in the previous year expressed as a percentage.
<b>Annual percentage change</b>	The annual percentage change is the change in the index of the relevant month of the current year compared with the index of the same month in the previous year expressed as a percentage.
<b>Average annual inflation rate</b>	The average annual inflation rate is the change in the average index of one year compared with the average index of the previous year expressed as a percentage.
<b>Average annual percentage change</b>	The average annual percentage change is the change in the average index of one year compared with the average index of the previous year expressed as a percentage.
<b>CPI for administered prices</b>	An administered price is defined as the price of a product which is set consciously by an individual producer or group of producers and/or any price which can be determined or influenced by government, either directly or through a government agency/institution without reference to market forces. Products and services included are assessment rates, water, electricity, paraffin, petrol, diesel, public transport – trains, motor licences, motor registration, telephone fees, cell calls, television licence, school fees, university/technicons/colleges and university boarding fees.
<b>CPI for regulated prices</b>	Regulated prices are those administered prices that are monitored and controlled by government policy. To this end, price regulation does not necessarily imply the presence of an economic regulator, but the restriction on the extent to which prices in September vary, depending on government's policy objective. Products and services included are water, electricity, paraffin, petrol, diesel, telephone fees and cell calls.
<b>CPI per expenditure decile</b>	Decile 1 - up to R17 721; Decile 2 - R 17 722 up to R 29 475; Decile 3 - R 29 476 up to R 42 582; Decile 4 - R 42 583 up to R 56 909; Decile 5 - R 56 910 up to R 73 813; Decile 6 - R 73 814 up to R 94 884; Decile 7 - R 94 885 up to R 124 227; Decile 8 - R 124 228 up to R 173 022; Decile 9 - R 173 023 up to R 269 902; and Decile 10 - R 269 903 and more.
<b>Inflation rate</b>	The inflation rate is the change in the CPI for all items of the relevant month of the current year compared with the CPI for all items of the same month in the previous year expressed as a percentage.
<b>Monthly percentage change</b>	The monthly percentage change is the change in the index of the relevant month compared with the index of the previous month expressed as a percentage.
<b>Rural CPI</b>	The rural CPI is compiled using data from rural and urban areas in accordance with the purchasing patterns of rural residents.

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