

Consumer Price Index

July Report, 2023

(BASE PERIOD NOVEMBER 2009 =100)



Report Date: August 2023

Data Source: Kaduna State Bureau of Statistics (KDBS)



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Executive Summary

The Kaduna State Consumer Price Index (CPI) Report, July 2023 shows the State's Year on Year and Month on Month Inflation Rate.

The Consumer Price Index (CPI) measures the average change in the price level of market basket of consumer goods and services purchased by households and a very important key indicator of inflationary change which measures state of an economy.

The Kaduna State CPI Report is targeted at providing Kaduna State with Monthly average changes of selected Goods and Services consumed by people for day-to-day living as well as showing the Year-on-Year Inflation rate of the State.

The CPI Year-On-Year Inflation Rate for Kaduna State stands at 24.97% in July, 2023. This is 1.53% higher than the rate of 23.44% recorded in June, 2023.

Furthermore, on a year-on-year basis, the headline inflation rate was 7.85% points higher compared to the rate recorded in July 2022, which was 17.12%.



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Methodology

The Consumer Price Index (CPI) measures the average change over time in prices of Goods and Services consumed by people for day-to-day living. The construction of the CPI combines economic theory, sampling and other statistical techniques using data from other surveys to produce a weighted measure of average price changes in Kaduna State Economy. The weighting occurs to capture the importance of the selected commodities in the entire index. The production of the CPI requires skills of economists, statisticians, computer scientists, data collectors and others.

Key in the construction of Price Index is the selection of Market Basket of Goods and Services. The market items currently comprise of 221 Goods and Services regularly priced.

The first stage in the calculation of the CPI is the collection of prices on each item (221 Goods and Services) from Markets and Outlets in each sector (Rural and Urban). Prices are then averaged for each item per sector across the state. Then the average price is used to calculate the basic index for each commodity: The current year price of each commodity is compared with a base year's (2009) price to obtain a relative price.

The Laspeyres formula was used to compute an aggregated index for each class (which has a multitude of commodities that have similar consumption purposes). The sum of the product of weights (obtained from the expenditure survey) and relative prices for each item is divided by the sum of the weight of the items in that class, and the result multiplied by 100 gives the required index number. This index number is still classified according to the urban or rural classification sector for each of the 23 LGAs of the state.



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Consumer Price Index (CPI)

Year on Year Inflation rate

The consumer price index, (CPI) which measures inflation rate increased to 24.97% in July, 2023. This is 1.53% higher than the rate of 23.44% recorded in June, 2023. This implies that price of goods and services increased in July, 2023 when compared to the inflation rate recorded in June, 2023.

Furthermore, on a year-on-year basis, the headline inflation rate was 7.85% points higher compared to the rate recorded in July 2022, which was 17.12%. This shows that the headline inflation rate on a year-on-year basis insistently increased in July 2023 when compared to the same month in the preceding year July, 2022.

Figure 1: Kaduna State Year on Year Inflation Trend 12 Month Series

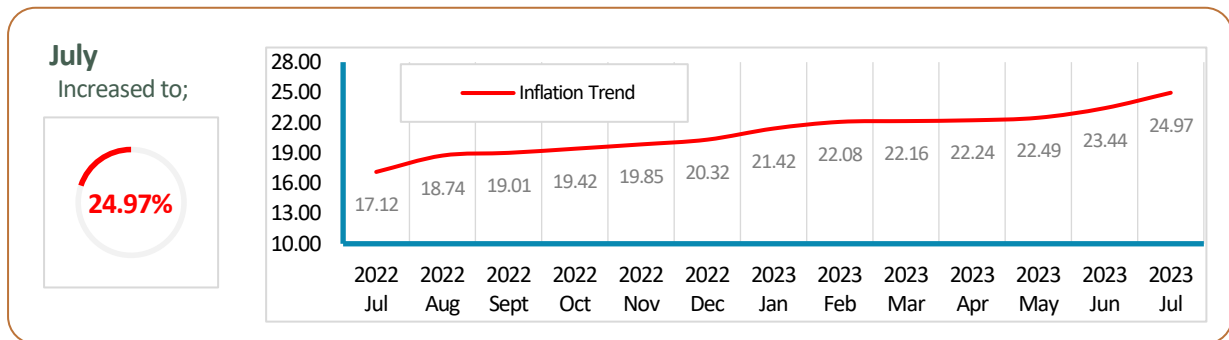
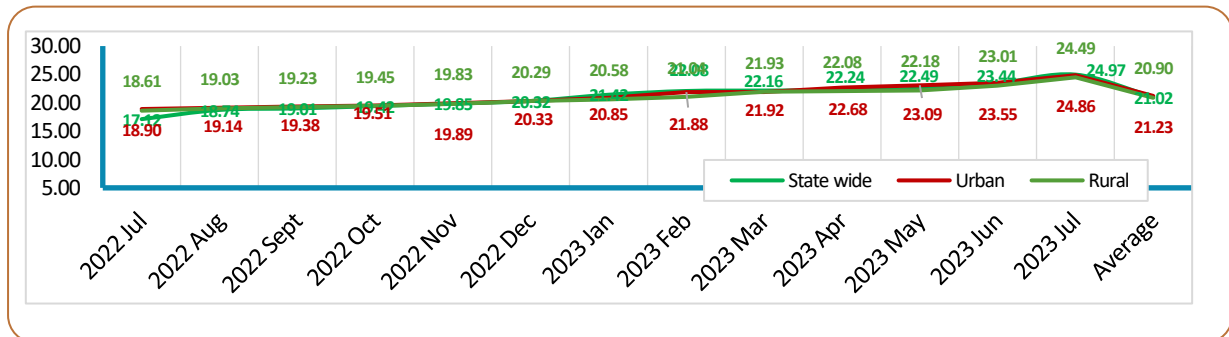


Figure 2: Year on Year Inflation Trend 12 Month Series Statewide, Urban and Rural



The State average composite year on year inflation rate is 21.02% in July, showing 0.63% increase from 20.39% recorded in June, 2023.



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The corresponding twelve-month year-on-year average percentage change for the Urban index is 21.23% in July, 2023. This is higher than 20.24% reported in June, 2023 while the corresponding Rural inflation rate in July, 2023 is 20.90% compared to 20.45% recorded in June, 2023.

Month on Month Inflation Rate

The Kaduna State Month – on – Month CPI shows that the State Index stands at 303.05% in July, 2023. The Urban Index recorded 295.21% while rural index recorded 303.69% in July, 2023.

The State CPI Month – on - Month Inflation rate was 37.71% in July, 2023, up by 4.19% from 33.52% recorded in June, 2023.

The Urban Inflation Rate was 37.78% in July, 2023, increased by 0.84% from 36.94% recorded in June, 2023.

The Rural Inflation Rate was 37.57% in July, 2023 increased by 0.74% from 36.83% recorded in June, 2023.

Figure 3: Kaduna State Month on Month Inflation Trend 12 Month Series

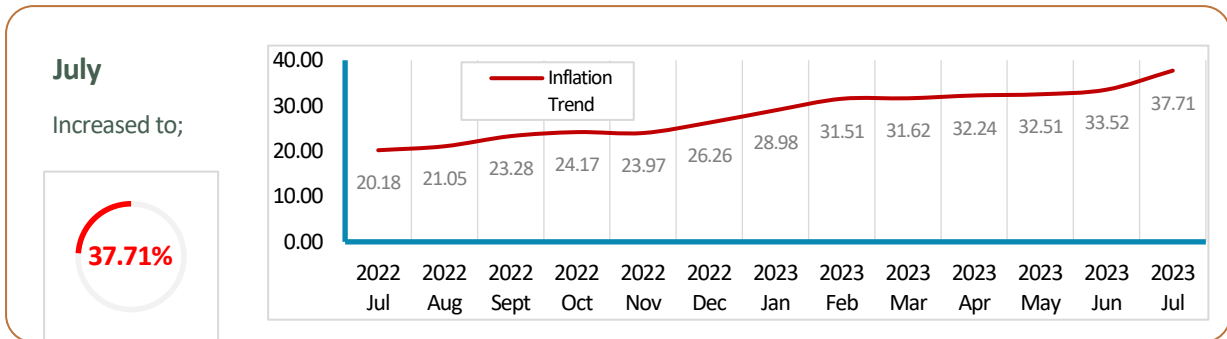
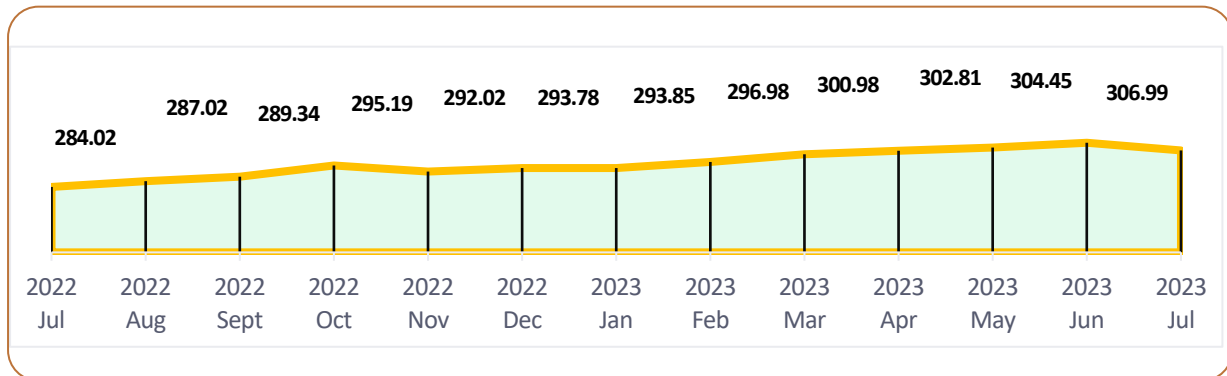


Figure 4: Kaduna State Month on Month CPI Trend 12 Month Series





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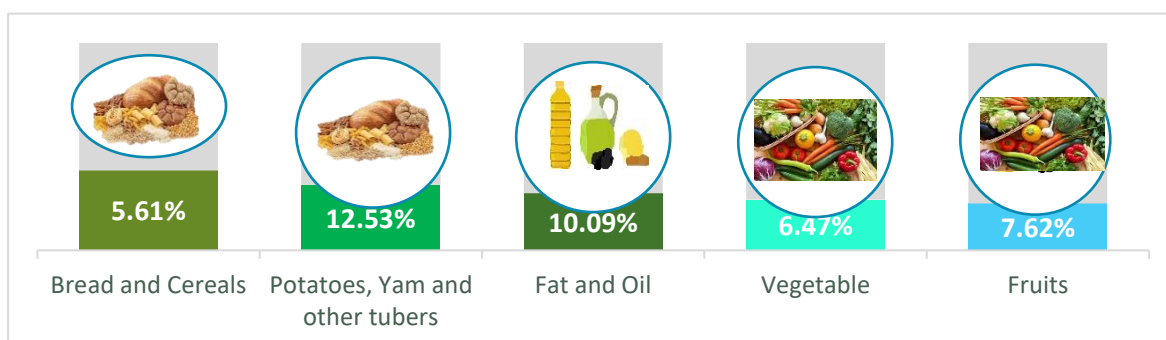


Top Five Absolute Contribution

The Top Five Absolute contribution that influenced the increase of the Month-on-Month July, 2023 CPI Inflation Rate included: Bread & Cereals 12.53%, Potatoes, Yam and other tubers 9.19%, Fat and Oil 7.62%, Vegetable 6.47% and Fruit 5.82%.

The highest contribution to the increase of July, 2023 Month-on-Month Inflation rate was recorded in Bread & Cereals 12.53%.

Figure 5: The Top Five Absolute contribution

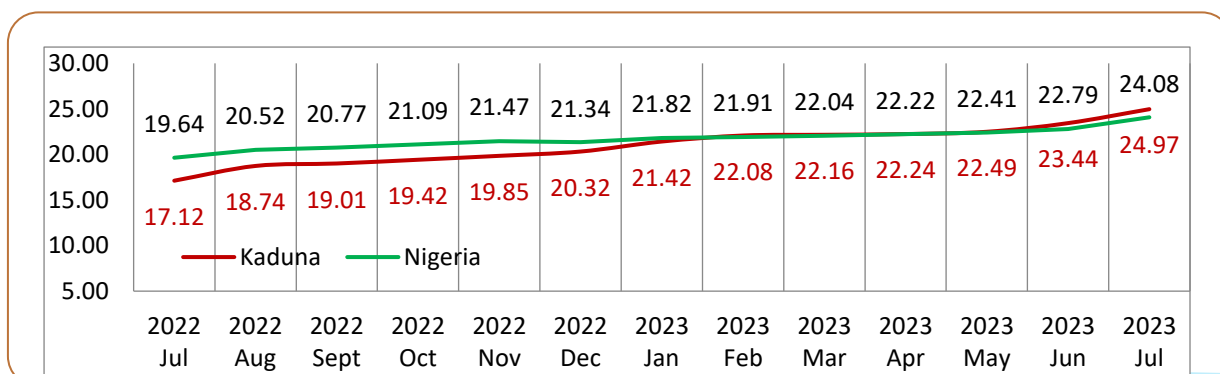


Kaduna State and Nigeria Inflation Trend

The CPI Year-On-Year Inflation Rate for Kaduna State increased steadily within thirteen (13) months from 17.12% in July, 18.74% in 19.01 in September, 19.42 in October, 19.85 in November, 20.32% in December 2022, 21.42% in January, 22.08 in February, 22.16 in March, 22.24% in April, 22.49% in May, 23.44% in June and 24.97 in July, 2023 with an average of 21.02% Inflation Rate.

This implies that prices of the commodities increased steadily from July, 2022 to July, 2023. The chart below depicts the Kaduna State and Nigeria July, 2022 to July, 2023 Year on Year Inflation Trend.

Figure 6: Kaduna State and Nigeria Inflation Trend 12 Month Series





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Figure 7: Kaduna State January- July, 2023 Inflation Rate

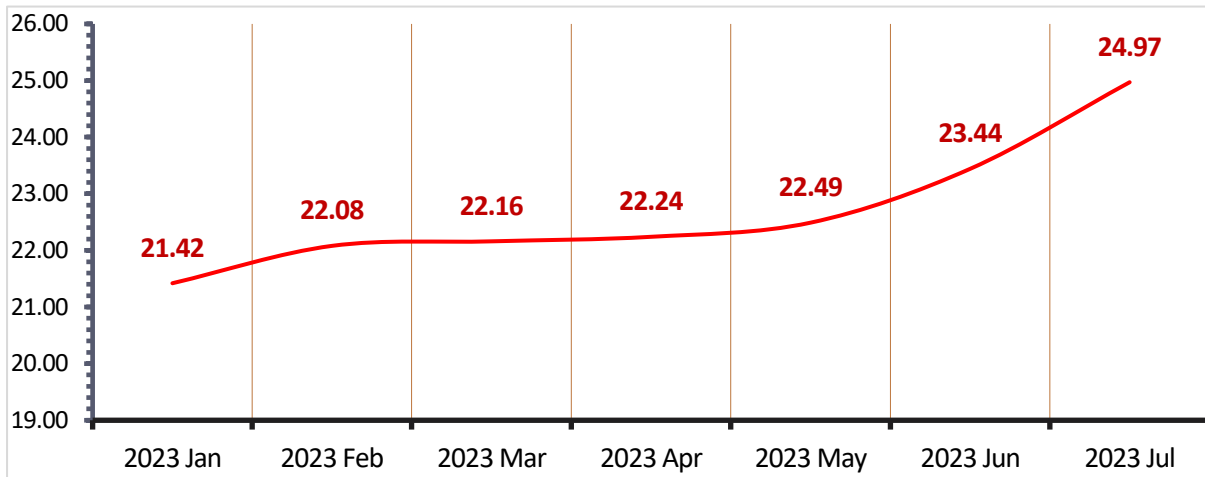
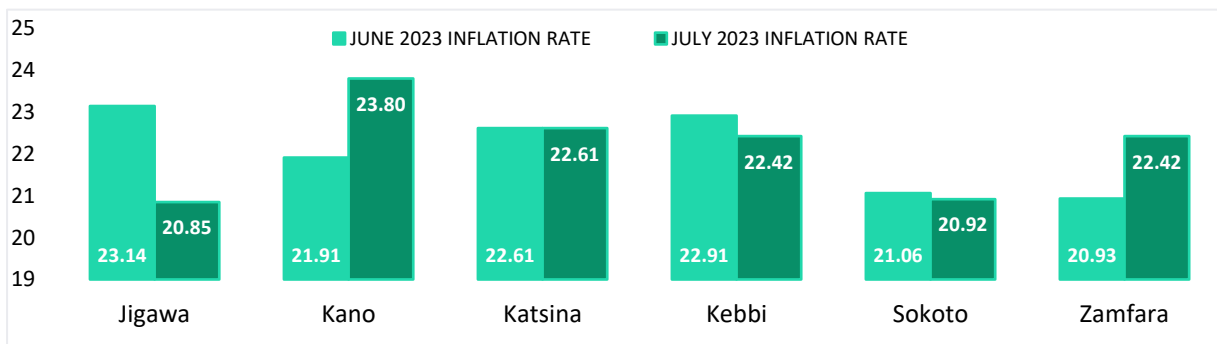


Figure 8: North-West States June and July, 2023 Inflation Rate



Source: NBS



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Appendix

Table 1: Kaduna State July, 2023 Year on Year Inflation Rate 12 Months Series

Months	Inflation Rate
2022 Jul	17.12
2022 Aug	18.74
2022 Sept	19.01
2022 Oct	19.42
2022 Nov	19.85
2022 Dec	20.32
2023 Jan	21.42
2023 Feb	22.08
2023 Mar	22.16
2023 Apr	22.24
2023 May	22.49
2023 Jun	23.44
2023 Jul	24.97
Average	21.02

Table 2: Top Five Absolute Contributions to Kaduna State July, 2023 Month-On-Month Inflation Rate

S/N	Commodities	Inflation Rate
1	Bread and Cereals	12.53%
2	Potatoes, Yam and other tubers	9.19%
3	Fat and Oil	7.62%
4	Vegetable	6.47%
5	Fruits	5.82%



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Table 3: Kaduna State July, 2023 Month on Month Inflation Rate 12 Months Series

Months	Inflation Rate
2022 Jul	20.18
2022 Aug	21.05
2022 Sept	23.28
2022 Oct	24.17
2022 Nov	23.97
2022 Dec	26.26
2023 Jan	28.98
2023 Feb	31.51
2023 Mar	31.62
2023 Apr	32.24
2023 May	32.51
2023 Jun	33.52
2023 Jul	37.71
Average	28.23



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Table 4: Kaduna State and Nigeria Inflation Rate 12 Month Series

Months	Kaduna State Inflation Rate	Nigerian Inflation Rate
2022 Jul	17.12	19.64
2022 Aug	18.74	20.52
2022 Sept	19.01	20.77
2022 Oct	19.42	21.09
2022 Nov	19.85	21.47
2022 Dec	20.32	21.34
2023 Jan	21.42	21.82
2023 Feb	22.08	21.91
2023 Mar	22.16	22.04
2023 Apr	22.24	22.22
2023 May	22.49	22.41
2023 Jun	23.44	22.79
2023 Jul	24.97	24.08
Average	21.02	21.70



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Table 5: Kaduna State January - July, 2023 Inflation Rate

Months	Inflation Rate
2023 Jan	21.42
2023 Feb	22.08
2023 Mar	22.16
2023 Apr	22.24
2023 May	22.49
2023 Jun	23.44
2023 Jul	24.97
Average	22.31

Table 6: North-West States June, 2023 and July, 2023 Inflation Rate

State	June, 2023 Inflation Rate	July, 2023 Inflation Rate
Jigawa	23.14	20.85
Kano	21.91	23.80
Katsina	22.61	22.61
Kebbi	22.91	22.42
Sokoto	21.06	20.92
Zamfara	20.93	22.42

Source: NBS



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Contact Us



Head office address

No. 16 Muhammadu Buhari Way
Kaduna State.



fkadunastatebureau



www.kdbs.ng



+234- 07063033440



info@kdbs.ng