



Food Price Data from the Ghana Statistical Service: Current methods and updates

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GSS Mission and purpose regarding data collection

- Production of Official Statistics
- Providing Government with statistical information
- Providing All Stakeholders with statistical information and
- Providing the International Community with Official Statistics



Consumer Price Index (CPI)

- GSS collects consumer prices for a variety of goods and services, for compilation of **Consumer Price Index (CPI)**
 - Representative of current Prices of Goods and Services
 - Reflecting the general consumption pattern of Households in Ghana
 - Reliable and Timely
- The CPI is calculated based on the sum of prices of all items include, weighted by consumer expenditure share
- It is used to track inflation, GDP at real prices



Food CPI

- Food items make up a large share of the CPI
- Food and non alcoholic beverage CPI is reported separately aside the overall CPI
- Non-Food CPI is also reported separately
- Includes 82 items currently
 - Will be reviewed based on 2017 GLSS



Food and non-alcoholic beverage categories

- *Bread and cereals*
- *Meat, Fish and Sea Food*
- *Milk and eggs*
- *Fruits*
- *Vegetables*
- *Oils and fats*
- *Sugar and confectionery*
- *Coffee, Tea, and Cocoa*
- *Mineral waters, soft drinks, fruit and vegetable juices and Food products n.e.c*



Market selection

- Selection of Market that are representative of each Region
- Identification of Expenditure Basket Items that are in the selected market
- Confirm the selection of market (at least 95% of item are in the Market)



Markets covered

Regions	Urban	Rural	Total
Western	3	2	5
Ashanti	5	2	7
Central	3	1	4
Brong Ahafo	3	1	4
Greater Accra	2	1	3
Eastern	3	2	5
Volta	2	2	4
Northern	3	1	4
Upper East	2	1	3
Upper West	1	2	3
Total	27	15	42



Representativeness

- The CPI is representative at
 - national level
 - Regional level
 - sub-item level and
 - Urban –urban level



Data collection methods

- A Team of trained and experienced GSS staff visits identified vendors in each of selected market
- Twice every month with the same vendor, the price is recorded for all items in the basket
- Collect prices only of items on the self on vendors
- For each item, six quotation from different vendors are taken for Urban and three for Rural.
- For each price , a corresponding net weight is also taken



How missing items are dealt with

- Where a particular item is out of stock for the pre-identified vendor
- It is left blank for three months and if still out of stock a vendor of that item if registered.
- If out of stock item returns to shelf of vendor before three months we do not change vendor for such items

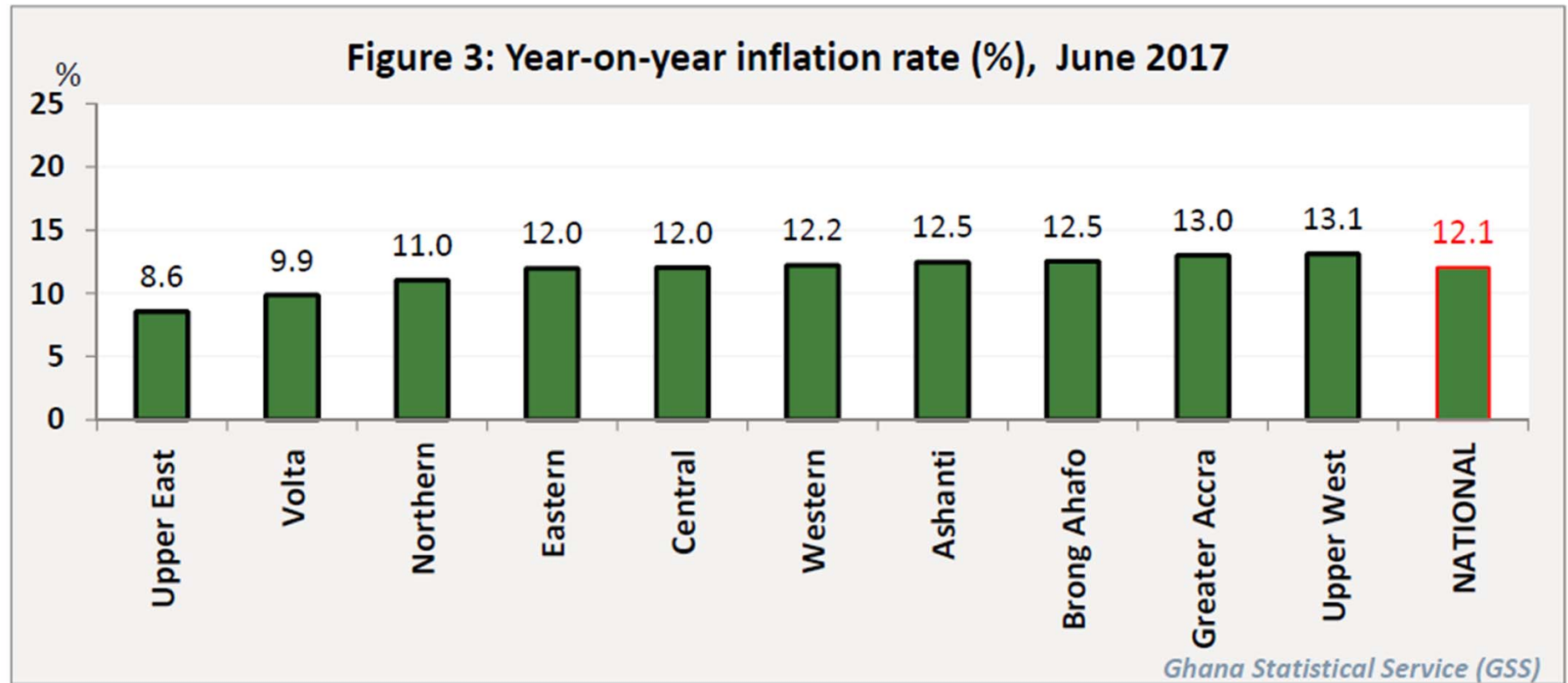


Reporting of CPI and Food CPI

- Data are reported on a **monthly basis**
- Flow from primary market → Region office
 - Data capture edit and cleaning for each market
- Regional level → national level
 - Data collation and imputation of indices
- National level for each selected market is available on request to the GS
- GSS report CPI and Food CPI on website and to international agencies (e.g. IMF)?



Year- on-year inflation by region





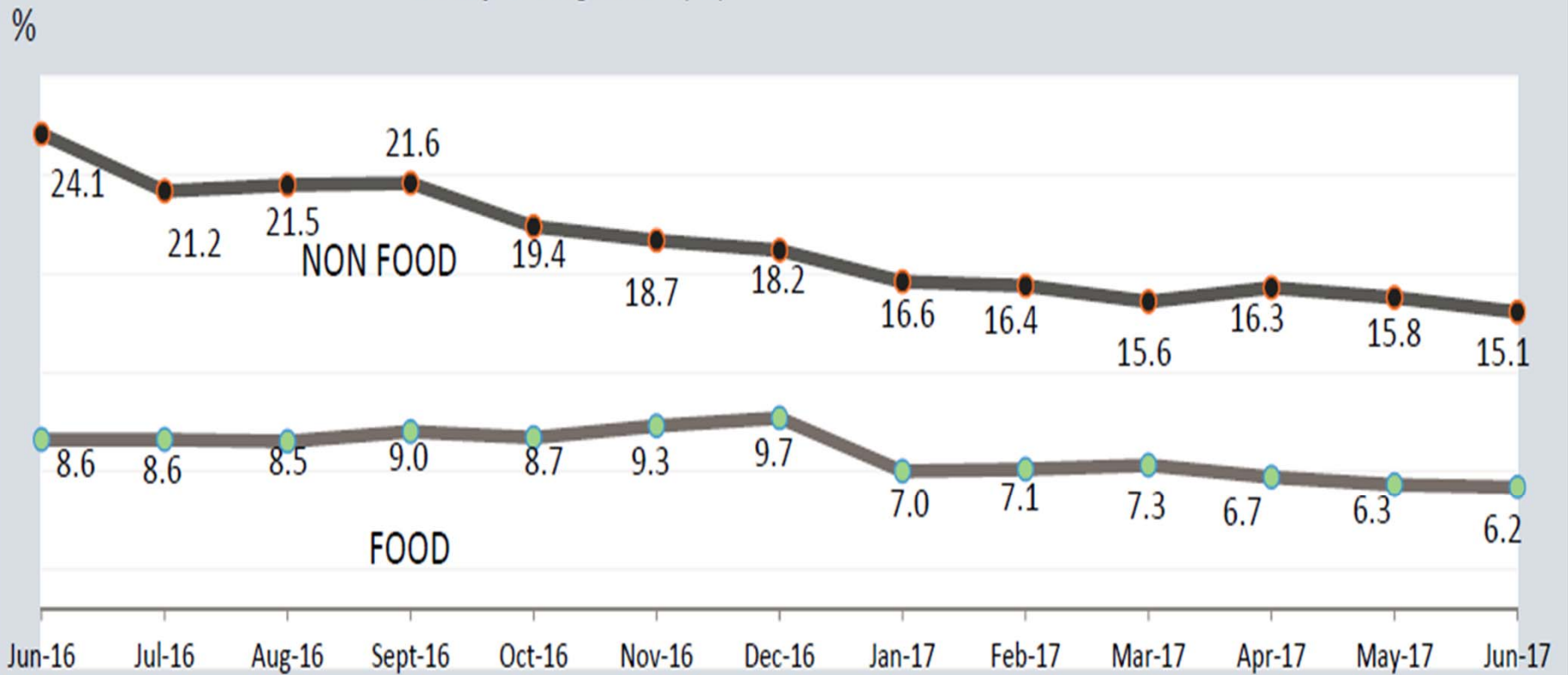
Determination of the CPI basket

- To represent the Consumption Pattern of all manner of persons in Ghana
 - Goods and Service items consumed by all manner of persons
 - The Quantities Consumed



FOOD and NON-FOOD INFLATION, June 2016 to June 2017

Yearly change rate (%)



Ghana Statistical Service



How does GSS choose what items are included in CPI?

- Expenditure basket determined through the conduction of a regular Household Expenditure Survey – GLSS
 - Goods and Service items consumed by all manner of persons
 - Selection of Market that are representative of each Region
 - Select items that represent the Consumption Pattern of all manner of persons in Ghana



Process of updating the CPI list: Current GLSS

- Ghana Living Standards Survey
- Currently on the field for GLSS7 field work ends in October 2017.
- The CPI list of items will be updated in 2019



How food items are identified in the GLSS

- The use COICOP LIST as frequently purchase items in household:
 - The survey have a pre-determined COICOP list of items?
 - Based only on Quantity Consumed in a month.
 - Either purchased or own consumption.



Future directions

- GSS is preparing for a Census of Agriculture it would help to identify district distribution production of Agriculture.
- If data could be provided at the district level