

# Nigeria

## mVAM Methodology



### Household survey:

The household data presented in the Nigeria mVAM bulletins have been collected since January 2016 through live telephone interviews. Participants were randomly selected from a database of mobile subscribers and were asked to complete a questionnaire that was comprised of questions on socio-demographic, food consumption, coping behaviours, prices, assistance and perceptions of food security. Responses are likely to be biased towards younger, somewhat better off households who live in urban areas and have better access to electricity and phone-charging services.

As per standard survey procedures, respondents' consent was obtained prior to the interviews. For security and safety measures all respondents were identified with an anonymous ID. Questions were asked in the following languages: English, Hausa and Kanuri.

### Traders and key informants survey:

In June and July, WFP surveyed 490 traders via telephone from a sample of consenting participants from WFP's recent market assessment. To provide information on inaccessible areas, the same market monitoring survey was also administered by telephone to 61 key informants (including leaders of market associations, retailers, wholesalers, transporters and distributors) in 12 newly accessible areas of Borno state.

When interpreting results, readers are cautioned to note that sampling was purposive (limited by security conditions) and is not representative. Female traders, for example, are highly underrepresented. Readers are also cautioned against extrapolating information from small sample sizes.

Traders and key informants were asked about market conditions including availability, prices, activity levels, and challenges.

### Food Consumption Score (FCS):

The food consumption score (FCS) is a proxy indicator for food security that measures the diversity of household diets, and how frequently food is consumed. The FCS is calculated using the frequency of consumption of eight food groups by a household during the 7 days before the survey using standardized weights for each of the food groups reflecting its respective nutrient density, and then classifies households as having 'poor', 'borderline' or 'acceptable' food consumption. The FCS results in Nigeria are calculated using a universal adjusted set of thresholds (poor  $\leq 21$ ,  $21 < \text{borderline} \leq 35$ , acceptable  $> 35$ ). For more details on the food group

composition, weighted values and FCS thresholds, please see the Food consumption Analysis Technical Guidance Sheet.

### Reduced Coping Strategies Index (rCSI):

The reduced Coping Strategies Index (rCSI) measures the frequency and severity of the behaviours households engage in when faced with shortages of food or financial resources to buy food. It assesses whether there has been a change in the consumption patterns of a given household. The rCSI is calculated using standard food consumption-based strategies and severity weighting. A higher

score indicates that households are employing more frequent and/or extreme negative coping strategies. For the purpose of this bulletin, mVAM calculates the mean rCSI of households.

For more details on the types of coping strategies considered and their respective severity weighting, please see the Coping Strategies Index Field Methods Manual.

### Contacts:

Nigeria Country Office: [WFP.Abuja@wfp.org](mailto:WFP.Abuja@wfp.org)

# mVAM Questionnaire

## Household survey

### Consent and eligibility

Are you interested in participating in this survey, now?

- 1) What is your year of birth?

### Section 1: Geographic Information

- 2) In which State is your Household is CURRENTLY living?
- 3) What local government area is your Household is CURRENTLY living?

### Section 2: Socio-Demographic Information

- 4) What is the sex of the respondent?
- 5) Is the head of your household a man or a woman?
- 6) What is the highest level of schooling the head of household has completed?
  - 1 - Pre-primary/Kindergarten
  - 2 - Primary
  - 3 - Secondary
  - 4 - Higher
  - 5 - Other, Specify \_\_\_\_\_
  - 99 - Don't know
- 7) Currently, how many persons are living and eating in your household?
- 8) What is the residence status of the household?
  - 1 - Resident
  - 2 - Returnee
  - 3 - Displaced residing in camp
  - 4 - Displaced residing outside of camp (part of host community)
- 9) What is the main source of drinking water for members of your household?
  - 1 - Improved Source (includes: Piped into dwelling/yard/plot, Public tap/standpipe, Tube well or borehole, Protected well, Protected spring, Rainwater, Bottled water, to be pre-tested)
  - 2 - Non-improved source (includes: Unprotected well, Unprotected spring, Tanker truck/cart with drum, Surface water, Sachet water, Other source)
  - 99 - Don't Know
- 10) What kind of toilet facility do members of your household usually use?
  - 1 - Improved facility (includes: Flush/pour flush to piped sewer system, Flush/pour flush to septic tank, Flush/pour flush to pit latrine, Ventilated improved pit (VIP) latrine, Pit latrine with slab, Composting toilet)
  - 2 - Non-improved facility (includes: Flush/pour flush not to sewer/septic tank/pit latrine, Pit latrine without slab/open pit, Bucket, Hanging toilet/hanging latrine)
  - 3 - No facility/bush/dirt/field
  - 99 - Don't Know
- 11) Do you share this toilet facility with other households?
- 12) What is the main material of your roof?
  - 1 - Natural roofing (No roof, thatch palm leaf)
  - 2 - Rudimentary roofing (Rustic mat, palm/bamboo, wood planks, cardboard)
  - 3 - Finished Roofing (Metal/Zinc, wood, Ceramic tiles, Cement, Stone with lime/cement, bricks, cement blocks, wood plank shingles)
- 13) How does your household get electricity?
  - 1 - Yes, from power grid
  - 2 - Yes, from generator
  - 3 - No, electricity in the house
- 14) How many active mobiles phones (i.e. phones with active sim card that are normally in use/turned on) does your household have?

### Section 3: Food Consumption

How many days over the last 7 days, did members of your household eat the following food items, prepared and/or consumed at home?

- 15) How many days over the last 7 days, how many days did members of your household eat cereals, grains, tubers and/or roots (such as potatoes, rice, pasta, bread, sorghum, millet, maize, potato, yam, cassava, flour, or other grains/cereals)?

- 16) How many days over the last 7 days, how many days did members of your household eat pulses, nuts, and/or seeds? (Including beans, cowpeas, peanuts, lentils, nut, soy, pigeon pea and / or other nuts)?
- 17) How many days over the last 7 days, how many days did members of your household eat vegetables and/or leaves (including carrots, tomatoes, cucumbers, red peppers, pumpkin, dark leafy greens, onions, broccoli, spinach, lettuce or other vegetables)?
- 18) How many days over the last 7 days, how many days did members of your household eat fruits (including citrus fruits such as oranges and limes, apricots, apples, papaya, watermelon and other fruits)?
- 19) How many days over the last 7 days, how many days did members of your household eat flesh and/or organ meat, eggs and/or fish or other seafood as main dish (meat and fish consumed in large quantities and not as a condiment)?
- 20) How many days over the last 7 days, how many days did members of your household consume a substantial amount of milk (powdered or fresh) or other dairy products (including yogurt, cheese, curd, condensed milk, sour cream or others)?
- 21) How many days over the last 7 days, how many days did members of your household eat oil, fat or butter? (Including vegetable oil, palm oil, margarine, other fats / oil)
- 22) How many days over the last 7 days, how many days did members of your household eat sugar or sweets? (Sugar, honey, jam, cakes, candy, cookies, sugary drinks, other)

#### **Section 4: Coping Strategies (rCSI + Livelihoods)**

- 23) In the past 7 days, were there times when you did not have enough food or money to buy food?
- 24) In the past 7 days, how many days did your household borrow food, or rely on help from a friend or relative due to lack of food or money to buy food?
- 25) In the past 7 days, how many days did your household restrict consumption by adults so children could eat, due to lack of food or money to buy food?

During the past 30 days, did anyone in your household have to engage in any following behaviours due to a lack of food or a lack of money to buy food?

- 26) Spent savings?
  - 1 - No
  - 2 - Yes
- 27) Begging?
  - 1 - No
  - 2 - Yes
- 28) Sold more animals (non-productive) than usual
  - 1 - No
  - 2 - Yes
  - 97- Not Applicable (do not own or sell animals)
- 29) Sold last female animals
  - 1 - No
  - 2 - Yes
  - 97- Not Applicable (do not own or sell animals)

#### **Section 5: Labour & Commodity Prices**

- 30) How many people in your household have done any work for cash in the last seven days?
- 31) How much are people paid per day for manual labour in your community?
- 32) Currently, how much does 1 mudu of imported rice cost in your community?
- 33) Currently, how much does 1 mudu of local rice cost in your community?
- 34) Currently, how much does 0.75l of vegetable oil cost in your community?
- 35) Currently, how much does 1 mudu of local millet cost in your community?
- 36) Currently, how much does 1 mudu of local sorgho cost in your community?
- 37) Currently, how much does 1 mudu of cowpeas cost in your community?

#### **Section 6: Assistance**

- 38) Has your household received food assistance in the past month/30 days?

#### **Section 7: Open ended question**

- 39) This is our last question, would you tell us more about the food situation in your community?

## Traders and Key Informants survey

### Consent & Eligibility

- 1) Are you interested in participating in this survey, now?
- 2) What is your age in years?

### Section 1: Geographic & Background Information

- 1) In which local government area is your shop/market stall or trader activities located?
- 2) In which ward/village is your shop/market stall or trader activities located?
- 3) What is the name of your market of operation?
- 4) Is the head of your shop a man or a woman?
- 5) What is your role within the supply chain?
  - 1 - Retailer
  - 2 - Wholesale
  - 3 - Trader
  - 4 - Supplier
  - 5 - Leader of a market associations (e.g. grains, fish, beans, etc.).
- 6) Are there new IDPs arriving in your community within the past month?
- 7) If yes, from which LGAs/Ward(s) the IDPs are coming from?
- 8) How is road access to your market? No access, partial access, free access to everyone?
  - 1 - No access
  - 2 - Partial access
  - 3 - Free access to everyone
- 9) How is the current market activity?
  - 1 - No activity
  - 2 - Below normal
  - 3 - Normal

### Section 2: Availability

- 10) How is the cereals, grains, tubers and/or roots (such as potatoes, rice, pasta, bread, sorghum, millet, maize, potato, yam, cassava, flour, or other grains/cereals) availability in your market (compared to normal availability during this time of the year)?
  - 1 - None
  - 2 - Below normal
  - 3 - Normal
  - 4 - Above normal
  - 5 - Over supply
  - 98 - Don't know
- 11) How is the pulses, nuts, and/or seeds availability in your market (Including beans, cowpeas, peanuts, lentils, nut, soy, pigeon pea and / or other nuts) (compared to normal availability during this time of the year)?
  - 1 - None
  - 2 - Below normal
  - 3 - Normal
  - 4 - Above normal
  - 5 - Over supply
  - 98 - Don't know
- 12) How is the vegetables and/or leaves (including carrots, tomatoes, cucumbers, red peppers, pumpkin, dark leafy greens, onions, broccoli, spinach, lettuce or other vegetables) availability in your market (compared to normal availability during this time of the year)?
  - 1 - None
  - 2 - Below normal
  - 3 - Normal
  - 4 - Above normal
  - 5 - Over supply
  - 98 - Don't know

- 13) How is the fruits (including citrus fruits such as oranges and limes, apricots, apples, papaya, watermelon and other fruits) availability in your market (compared to normal availability during this time of the year)?
- 1 - None
  - 2 - Below normal
  - 3 - Normal
  - 4 - Above normal
  - 5 - Over supply
  - 98 - Don't know
- 14) How is the meat, eggs and/or fish or other seafood (consumed in large quantities and not as a condiment) availability in your markets (compared to normal availability during this time of the year)?
- 1 - None
  - 2 - Below normal
  - 3 - Normal
  - 4 - Above normal
  - 5 - Over supply
  - 98 - Don't know
- 15) How is the powder milk or other dairy products (including yogurt, cheese, curd, condensed milk, sour cream or others) availability in your market markets (compared to normal availability during this time of the year)?
- 1 - None
  - 2 - Below normal
  - 3 - Normal
  - 4 - Above normal
  - 5 - Over supply
  - 98 - Don't know
- 16) How is the oil, fat or butter availability in your market?
- 1 - None
  - 2 - Below normal
  - 3 - Normal
  - 4 - Above normal
  - 5 - Over supply
  - 98 - Don't know

### Section 3: Prices

- 17) How much are people paid per day for manual labour in your community/ SHOP?
- 18) Currently, how much does 1 mudu of imported rice cost in your community?.
- 19) Currently, how much does 1 mudu of local rice cost in your community?
- 20) Currently, how much does a bottle of veg. oil cost in your community?
- 21) Currently, how much does 1 mudu of sorghum (guinea corn) grain cost in your community?
- 22) Currently, how much does 1 mudu of millet grain cost in your community?
- 23) Currently, how much does 1 mudu of maize grain cost in your community?
- 24) Currently, how much does 1 mudu of cowpeas cost in your community?
- 25) What is the current unofficial exchange rate between US Dollar and the Naira in your market?

### Section 4: Supply

- 26) What is the main supply town for local rice?
- 27) What is the main supply city for imported rice?
- 28) What is the main supply city for local maize?
- 29) Are trader's from Chad coming to your market?
- 30) Are trader's from Cameroon coming to your market?
- 31) Are trader's from Niger coming to your market?
- 32) How is the demand for food products compared to last year same period?
- 1 - Below average
  - 2 - Average
  - 3 - Above average
  - 98 - Don't know

- 33) Was your market open:
- 1 - Every day
  - 2 - Almost every day
  - 3 - A few days
  - 4 - Never this month?
- 34) Are there any challenges in getting supply?
- 35) Suppose the demand would double for the given product. Would you have the capacity to meet this demand, and how long?
- 1 - No
  - 2 - Yes, in a week or less
  - 3 - Yes, in less than two weeks
  - 4 - Yes, in less than a month
  - 5 - Yes, but after more than a month
  - 98 - Don't know
- 36) May we contact you again next month?