

DATA ANALYSIS TOOLBOX

ANALYSIS PLAN

Research question	Indicator / variable	Questionnaire question	Data collection unit	Desired disaggregation	Analysis type
What are the demographics of the population in terms of age, gender and dependency ratio?	Household composition	1. What is the sex of the head of household? 2. What is the age of the head of household? 3. Is the household member currently pregnant? 4. What is the total number of household members? 5. What is the sex of the household member? 6. What is the age of the household member (years)?	Household	Region; district	Population pyramids; Frequency distribution or gender; Measures of central tendency of age; Measures of variance of age;
	Dependency ratio	What is the age of the household member (years)?	Household	Region	Demographic breakdown between population above and below 15-years old: Percentage of 'dependents' (children aged under 15 years and the older population aged 65+) of the total population (total population including 'working age' population, between 15 and 64 years).
What are the most common unmet household basic needs due to lack of affordability and do households have multiple concurrent unmet needs?	Affordability of basic household needs	Which of your household's basic needs can you not afford?	Household	Region	Frequency distribution;
What proportion of the population has access to improved WASH services and does it vary by region?	Access to improved WASH services	1. What is the principal source of drinking water for members of your household? 2. Where do you and your household members (excluding children under 5) usually go to defecate?	Household	Region	Disaggregation per region; Frequency distribution of rates of 'improved' water sources includes the response options: 'public tap/standpipe', 'handpumps/boreholes', 'piped connection to house', 'protected spring', and 'bottled water, water sachets'; Frequency distribution of rates of 'improved' sanitation includes the response options: 'household latrine' and 'communal latrine'.

<p>Do households have access to food security assistance, and does it vary by region?</p>	<p>Access to food assistance</p>	<p>Does your household receive food assistance (general in-kind food distribution and/or cash grants and/or food vouchers)? (If yes) How many days did the food from the general food distribution from the last cycle of food assistance last? (If no) Why do you not have access to the local food assistance programmes?</p>	<p>Household</p>	<p>Region</p>	<p>Disaggregation per region; Frequency distribution of selected response options of exclusion; Correlation of number of days with size of household;</p>
<p>What is the rate of food (in)security among households, and does it vary by region or access to food security assistance?</p>	<p>Reduced coping strategies index (rCSI)</p>	<p>1. In the past 7 days, how many days did your household rely on less preferred and/or less expensive food due to lack of food or money to buy food? 2. 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? 3. In the past 7 days, how many days did your household reduce the number of meals eaten in a day due to lack of food or money to buy food? 4. In the past 7 days, how many days did your household limit portion sizes at mealtime due to lack of food or money to buy food? 5. In the past 7 days, how many days did your household reduce consumption by adults so children could eat, due to lack of food or money to buy food?</p>	<p>Household</p>	<p>Region</p>	<p>Measures of central tendency; Measures of variance; rCSI score calculation per household; rCSI score correlation with size of household;</p>
	<p>Food consumption score (FCS)</p>	<p>1. In the past 7 days, how many days did your household eat any wheat, corn/maize or any foods made from these such as bread, ugali. 2. In the past 7 days, how many days did your household eat any dried beans, chickpeas, lentils, nuts, seeds or any foods made from these such as hummus, peanut butter? 3. In the past 7 days, how many days did your household eat any fresh milk, sour milk, infant formula, cheese, kefir, yogurt? 4. In the past 7 days, how many days did your household eat any meat, fish and eggs (e.g. goat, beef, chicken, pork, blood, fish including canned tuna, snails, and/or other seafood, eggs)? 5. In the past 7 days, how many days did your household eat any vegetables and leaves locally available (e.g. spinach, cassava leaves, onion, carrot, lettuce, bamboo shoots, cabbage, pepper, tomato, eggplant, zucchini, etc.)? 6. In the past 7 days, how many days did your household eat any any fruits locally available including wild fruits), and 100% fruit juice made from these (e.g. mango, apricot, peach, apple, avocados, banana, coconut flesh, lemon, orange, etc.)?</p>	<p>Household</p>	<p>Region;</p>	<p>Measures of central tendency; Measures of variance; FCS score calculation per household; FCS correlation with size of household;</p>

		<p>7. In the past 7 days, how many days did your household eat any oils and fats locally available added to food or used for cooking (e.g. vegetable / nut oil made from almond, avocado, canola, coconut, cottonseed, groundnut, maize, olive, rapeseed, safflower, sesame, soybean, sunflower/walnut, ghee, butter, margarine, mayonnaise, palm oil -not red palm oil, shortenings, sour cream)?</p> <p>8. In the past 7 days, how many days did your household eat any sweets, sweetened soda or juice drinks and sugary foods locally available (e.g. sugar, honey, syrup, soda drinks, chocolates, candies, cookies, sweet biscuits and cakes)?</p> <p>9. In the past 7 days, how many days did your household eat any spices, condiments and beverages locally available (e.g. black pepper, salt, chillies, soy sauce, hot sauce, fish powder, fish sauce, ginger, herbs, magi cubes, ketchup, mustard, coffee, tea, milk/cream in small quantities)?</p>			
What are the primary sources of food among households and do households have access to markets?	Food source	<p>1. How was this food acquired?</p> <p>2. Is someone from your household able to access a reliable market for food items within a 15-minute walk of your current dwelling?</p>	Household	Region	<p>Disaggregation by region;</p> <p>Frequency distribution of selected response options for food source;</p> <p>Frequency distribution of households able to reach market</p>