

**The Gambia Maternal and Child Nutrition and
Health Results Project**

Code Book

CODE TREE

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 - Health Facilities
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CODE BOOK

I. COMMUNITY AND HEALTH FACILITIES

Key Behavioral Attributes

Understanding of the project

Code Description: This code aims to capture participants' understanding of project priorities and how the key elements of the interventions function.

Inclusion Criteria:

- Include descriptions of the project's overall aims, objectives and priorities (i.e. what the project is trying to achieve)
- Include descriptions of any perceived hierarchy or aims, objectives and priorities
- Include descriptions of specific details of how an intervention functions regardless of whether it is erroneous or accurate (e.g. method in which cash is transferred)
- Include descriptions of questions or uncertainties pertaining to project
- Include descriptions of where participants have gained information on project priorities
- Include descriptions of how the project structure operates

Exclusion Criteria:

- Exclude descriptions of other interventions taking place in the project area
- Exclude descriptions of the possibility/feasibility of carrying out the interventions
- Exclude descriptions of the (in)adequacy of the incentives
- Exclude descriptions of (dis)agreement with programs or their criteria
- Exclude descriptions of perceived (un)fairness of programs
- Exclude descriptions of how resources are allocated to achieve priorities

Expectancy

Code Description: This code aims to capture participants' beliefs on capabilities to fulfill the interventions.

Inclusion Criteria:

- Include descriptions of conditions that are believed to facilitate/inhibit change at the individual, community, and health facility levels
- Include descriptions of program specifics that are viewed as being too difficult to accomplish (e.g. timeframe, money)
- Include descriptions of program specifics that are viewed as feasible to accomplish

Exclusion Criteria:

- Exclude descriptions of specifics of the programs (e.g. details of how cash is transferred)
- Exclude descriptions of the (in)adequacy of incentives

- Exclude descriptions of (dis)agreement with programs or their criteria
- Exclude descriptions of perceived (un)fairness of programs

Valence

Code Description: This code aims to capture participants' beliefs on the degree to which the interventions (will) incentivize change.

Inclusion Criteria:

- Include descriptions of whether and how the nutrition and health benefits encouraged by the intervention have changed or not
- Include descriptions of whether and how financial incentives encouraged change or not
- Include descriptions of whether financial benefits were deemed sufficient
- Include descriptions of any factors unrelated to the project that were deemed to contribute to the behavior changes being incentivized
- Include perceptions of how these changes might occur in the future in the project

Exclusion Criteria:

- Exclude descriptions of specifics of the programs (e.g. details of how cash is transferred)
- Exclude descriptions of the (in)adequacy of incentives
- Exclude descriptions of (dis)agreement with programs or their criteria
- Exclude descriptions of perceived (un)fairness of programs
- Exclude descriptions of what financial benefits would be used towards (e.g. to pay for babysitter for other children while mother seeks care)

Buy-In

Code Description: This code aims to capture participants' acceptance of the project and its incentive criteria.

Inclusion Criteria:

- Include descriptions of community attitudes towards the project aims
- Include descriptions of attitudes towards the specific behavior changes that the project is trying to effect
- Include descriptions of attitudes towards the indicators that have been selected to be incentivized by the project

Exclusion Criteria:

- Exclude descriptions of specifics of the programs (e.g. details of financial incentives)
- Exclude descriptions of the (in)adequacy of incentives
- Exclude descriptions of (dis)agreement with programs or their criteria
- Exclude descriptions of perceived (un)fairness of programs

Perceived Fairness

Code Description: This code aims to capture the participants' beliefs on the fairness of the project design and incentive structure.

Inclusion Criteria:

- Include descriptions of perceptions of favoring certain parts of the community (e.g. men expressing displeasure for lack of programs for themselves; community activities only benefitting those linked to the community committees)
- Includes descriptions of perceived (un)fairness in the distribution of financial incentives (either within health facilities or communities)
- Include descriptions of the project being unfair to target populations or paternalistic (e.g. money made programs coercive)

Exclusion Criteria:

- Exclude descriptions of specifics of the program (e.g. details of how cash is transferred)
- Exclude descriptions of interventions being (un)achievable
- Exclude descriptions of aims of programs being (un)desirable
- Exclude descriptions of (in)adequate incentives

Behavior

Motivation & Morale

Code Description: This code aims to capture the motivation and morale expressed in relation to the project.

Inclusion Criteria:

- Include descriptions of positive/negative feelings regarding the project generally
- Include descriptions of inspiration and encouragement or lack thereof to improve health and nutrition in the lives of others stemming from the project
- Include descriptions of motivation and morale or lack thereof regarding health and nutrition observed by others
- Include descriptions of motivation and morale or lack thereof regarding jobs and roles within the project
- Include descriptions of which elements of the project affect morale and motivation and the ways in which this works

Exclusion Criteria:

- Exclude descriptions of motivation and morale outside of the project period
- Exclude descriptions of motivation and morale stemming from teamwork, collaboration, or communication

Teamwork & Collaboration

Code Description: This code aims to capture teamwork and collaboration within the national committees, regional health team, the health facilities, community committees and the community (including TBAs). This code also aims to capture teamwork and collaboration between these distinct groups.

Inclusion Criteria:

- Include descriptions of teamwork and collaboration within and between all of these groups
- Include descriptions of challenges to achieving teamwork and collaboration within and across these groups
- Include examples of how teamwork and collaboration could be improved within and across these groups

Exclusion Criteria:

- Exclude examples of how the infrastructure within the health facility or community works

Communication

Code Description: This code aims to capture descriptions of communication among people involved in the project.

Inclusion Criteria:

- Include descriptions of why communication is (un)successful
- Include descriptions of challenges to effective communication
- Include descriptions of how communication can be improved
- Include descriptions of the channels through which communication happens and the structures in place that facilitate communication
- Include descriptions of how communication has changed during the project period
- Include descriptions of the how communication happens (i.e. verbal, written)

Exclusion Criteria:

- Exclude descriptions of communication outside the project period
- Exclude examples of teamwork in the community, health facility, regional health team, or amongst TBAs and how they operate

Awareness

Code Description: This code aims to capture general awareness of the project, including awareness of the importance of the project and its objectives, both within the community and health facilities.

Inclusion Criteria:

- Include descriptions of awareness of the project
- Include descriptions of awareness of incentives

- Include descriptions of what sources have helped increase individual awareness of the project amongst community members and health facility employees

Exclusion Criteria:

- Exclude descriptions of knowledge of health and nutrition
- Exclude descriptions of motivation and morale
- Exclude descriptions of how incentives will be spent

Perceived Control

Code Description: This code aims to capture feelings of ownership and command of the project experienced in the community and in the health facilities.

Inclusion Criteria:

- Include descriptions of perceived decision-making power related to the project in the community and the health facilities
- Include descriptions of flexibility in making decisions in the community and health facility with regards to the project
- Include descriptions of how control is established and/or defined
- Include descriptions of how control is perceived in the community and health facility
- Include examples of decisions to direct project activities

Exclusion Criteria:

- Exclude descriptions of leadership and management
- Exclude descriptions of teamwork and collaboration
- Exclude descriptions of the availability of services

Demand for Knowledge

Code Description: This code aims to capture the demand for knowledge regarding the project, including demand for knowledge on health and nutrition both in the community and the health facilities

Inclusion Criteria:

- Include clarification questions asked by community members and health facility workers on how to gain more knowledge
- Include descriptions of peoples' desire to know about the benefits of good nutrition and health practices
- Include descriptions of questions on what lifestyle habits increase health and nutrition
- Include capacity building requested by health workers or community members relating to health and nutrition as well as other relevant skills e.g. service delivery, accounting, etc.

Exclusion Criteria:

- Exclude descriptions of understanding of the project
- Exclude descriptions of awareness of the project
- Exclude descriptions of awareness of health and nutrition

Program Design

Supervision

Code Description: This code aims to capture how the program is supervised at the national level, the regional health team level, the community level, amongst TBAs and the health facility level.

Inclusion Code:

- Include descriptions of individuals who supervise the project
- Include descriptions of supervision mechanisms put in place for the project
- Include descriptions of supervisory visits by national or regional teams to health facilities
- Include descriptions of supervisory visits by national, regional or health facility teams to communities

Exclusion code:

- Exclude descriptions of management and leadership

Program Implementation

Distribution of Incentives

- Health facilities

Code Description: This code aims to capture the process by which health facilities are paid performance-based finance incentives and how the health facilities are prepared to receive the payments.

Inclusion Criteria:

- Include descriptions of trainings conducted to assist health facility employees in understanding the payment process
- Include descriptions of when and how health facilities receive performance-based finance incentive payments
- Include descriptions of the tradeoff between user fees and the number of patients attending services (because the latter is incentivized by the project)
- Include descriptions of strengths and weaknesses of the incentive payment processes

Exclusion Criteria:

- Exclude descriptions of how the payments are allocated
- Exclude descriptions of details of the payments, (i.e. amount of payment)

- Community

Code Description: This code aims to capture the process by which community committees are paid results-based finance incentives and how the committees are prepared to receive the payments.

Inclusion Criteria:

- Include descriptions of trainings conducted to assist community committee members in understanding the payment process
- Include descriptions of when and how community committees receive results-based finance incentive payments
- Include descriptions of strengths and weaknesses of the incentive payment processes

Exclusion Criteria:

- Exclude descriptions of how the payments are allocated
- Exclude descriptions of details of the payments, (i.e. amount of payment)

- Individuals

Code Description: This code aims to capture the process by which individuals are paid results-based finance incentives and how they are prepared to receive the payments.

Inclusion Criteria:

- Include descriptions of information provided to assist women in understanding the payment process
- Include descriptions of when and how women receive results-based finance incentive payments
- Include descriptions of strengths and weaknesses of the incentive payment processes

Exclusion Criteria:

- Exclude descriptions of how the payments are spent
- Exclude descriptions of details of the payments, (i.e. amount of payment)

Expenditure of Incentives

- Health Facilities

Code Description: This code aims to capture how incentives received are spent by the health facilities.

Inclusion Criteria:

- Include descriptions of any expenditures made by the health facility using incentives e.g. materials, equipment, supplies, food, health and nutrition activities, infrastructure development etc.

- Include descriptions of staff bonuses awarded using incentives received
- Include descriptions of the size of performance payments
- Include information on the frequency of payments received
- Include descriptions of distribution mechanisms and how funds are allocated amongst staff and community committees
- Include descriptions of decisions regarding how health facilities' incentives are spent

Exclusion Criteria:

- Exclude descriptions of how incentives will be spent in the future (as this may change)
- Exclude opinions on performance payments
- Exclude descriptions of how health workers or members in the community perceive or value incentives

○ Community

Code Description: This code aims to capture how incentives received are spent within communities i.e. by VDCs and VSGs.

Inclusion Criteria:

- Include descriptions of any expenditures made by the community committees using incentives (e.g. payments to committee members, health and nutrition activities etc.)
- Include descriptions of decisions regarding how community committees' incentives are spent

Exclusion Criteria:

- Exclude descriptions of how incentives will be spent in the future (as this may change)
- Exclude descriptions of how incentives are received and distributed

○ Individuals

Code Description: This code aims to capture how incentives received are spent by individuals (i.e. pregnant women within the community).

Inclusion Criteria:

- Include descriptions of any expenditures made using incentives received
- Include descriptions of decisions regarding how individuals' incentives are spent

Exclusion Criteria:

- Exclude descriptions of how incentives will be spent in the future (as this may change)
- Exclude descriptions of how incentives are received and distributed

- Exclude descriptions of how members in the community perceive or value incentives

Availability of Services

Code description: This code aims to capture information about the availability of health and nutrition services

Inclusion criteria

- Include descriptions of when, where, and/or why health and nutrition services are (un)available
- Include descriptions of the availability of facility based or community based health and nutrition services
- Include descriptions of times when a community member attempted to access health and nutrition services but was unable to
- Include descriptions of health outcomes resulting from lack of availability of health and nutrition services
- Include descriptions of physical locations of health and nutrition services and how the services were found

Exclusion criteria

- Exclude descriptions of the demand and utilization of services
- Exclude descriptions of OPD visits, skilled delivery, PNC visits, treatment for complications, deworming, caesarean sections, modern family planning, nutrition services, ANC visits, and community health services
- Exclude information about the frequency of mother's club meetings
- Exclude descriptions of the availability of supplies
- Exclude descriptions of health outcomes resulting from *quality* of health and nutrition services

Quality of Services

OPD visits

Code description: This code aims to capture information about the quality of OPD services provided at the health facility

Inclusion criteria

- Include descriptions of OPD services provided at the health facility
- Include descriptions of positive/negative health outcomes resulting from utilizing OPD services
- Include descriptions of health worker recommendations for participant
- Include descriptions of information provided by at/about OPD services
- Include descriptions of how a woman felt about her OPD visit

Exclusion criteria

- Exclude descriptions of the demand and utilization of OPD visits

- Exclude descriptions of ANC visits, skilled delivery, PNC visits, treatment for complications, deworming, caesarean sections, modern family planning, nutrition services, and community health services
- Exclude descriptions of the availability of OPD services

ANC visits

Code description: This code aims to capture information about the quality of ANC services provided at the health facility

Inclusion criteria

- Include descriptions of ANC services provided/received at the health facility
- Include descriptions of positive/negative health outcomes resulting from utilizing ANC services
- Include descriptions of information provided at/ about ANC services
- Include descriptions of how a woman felt about her ANC visits

Exclusion criteria

- Exclude descriptions of the demand and utilization of ANC visits
- Exclude descriptions of OPD visits, skilled delivery, PNC visits, treatment for complications, deworming, caesarean sections, modern family planning, nutrition services, and community health services
- Exclude descriptions of the availability of ANC services

Skilled delivery

Code description: This code aims to capture information about the quality of skilled delivery services provided at the health facility

Inclusion criteria

- Include descriptions of women utilizing skilled delivery services at the health facility
- Include descriptions of positive/negative health outcomes resulting from utilizing skilled delivery services including complications
- Include descriptions of information provided at/about skilled delivery
- Include descriptions of how a woman felt about her experience utilizing skilled delivery services

Exclusion criteria

- Exclude descriptions of the demand and utilization of skilled delivery services
- Exclude descriptions of OPD visits, ANC visits, PNC visits, treatment for complications, deworming, caesarean sections, modern family planning, nutrition services, and community health services
- Exclude descriptions of the availability of skilled delivery services

PNC visits

Code description: This code aims to capture information about the quality of PNC services provided at health facilities

Inclusion criteria

- Include descriptions of PNC services
- Include descriptions of positive/negative health outcomes resulting from utilizing PNC services
- Include descriptions of health worker recommendations for participant
- Include descriptions of information provided by at/about PNC
- Include descriptions of how a woman felt about her PNC visit

Exclusion criteria

- Exclude descriptions of the demand and utilization of PNC visits
- Exclude descriptions of OPD visits, ANC visits, skilled delivery, treatment for complications, deworming, caesarean sections, modern family planning, nutrition services, and community health services
- Exclude descriptions of the availability of PNC services

Treatment for complications (delivery, post-partum, neonate)

Code description: This code aims to capture information about the quality of treatments for birth complications provided at health facilities including delivery, post-partum, and neonatal complications

Inclusion criteria

- Include descriptions of treatments for complications
- Include descriptions of positive/negative health outcomes resulting from treatments for complications for both the mother and child
- Include descriptions of how a woman felt about her treatment for complications
- Include descriptions of information provided at/about treatment for complications

Exclusion criteria

- Exclude descriptions of the demand and utilization of treatment for complications
- Exclude descriptions of OPD visits, ANC visits, skilled delivery, PNC services, deworming, caesarean sections, modern family planning, nutrition services, and community health services
- Exclude descriptions of the availability of services for treatment of complications

Deworming

Code description: This code aims to capture information about the quality of deworming services provided at health facilities

Inclusion criteria

- Include descriptions of deworming services at health facilities

- Include descriptions of positive/negative health outcomes resulting from utilizing deworming services
- Include descriptions of information provided at/about deworming services
- Include descriptions of how a participant felt about the deworming services provided

Exclusion criteria

- Exclude descriptions of the demand and utilization of deworming services
- Exclude descriptions of OPD visits, ANC visits, skilled delivery, PNC services, treatment for complications, caesarean sections, modern family planning, nutrition services, and community health services
- Exclude descriptions of the availability of deworming services
- Exclude descriptions of the quality of deworming services provided in the community

Caesarean section

Code description: This code aims to capture information about the quality of caesarean section services provided at health facilities

Inclusion criteria

- Include descriptions of caesarean section services
- Include descriptions of positive/negative health outcomes resulting from utilizing caesarean section services
- Include descriptions of information provided at/about caesarean sections
- Include descriptions of how a participant felt about the caesarean section services provided

Exclusion criteria

- Exclude descriptions of the demand and utilization of caesarean section services
- Exclude descriptions of OPD visits, ANC visits, normal delivery, deworming services, PNC services, treatment for complications, caesarean sections, modern family planning, nutrition services, and community health services
- Exclude descriptions of the availability of caesarean section services

Modern Family Planning

Code description: This code aims to capture information about the quality of modern family planning services provided in health facilities

Inclusion criteria

- Include descriptions of modern family planning services in health facilities
- Include descriptions of positive/negative health outcomes resulting from utilizing modern family planning services
- Include descriptions of information provided at/about modern family planning services

- Include descriptions of health worker recommendations for participant
- Include descriptions of how a participant felt about the modern family planning services provided

Exclusion criteria

- Exclude descriptions of the demand and utilization of modern family planning services
- Exclude descriptions of OPD visits, ANC visits, normal delivery, deworming services, PNC services, treatment for complications, caesarean sections, caesarean section, nutrition services, and community health services
- Exclude descriptions of the availability of family planning services

Nutrition services (health facility and community-based)

Code description: This code aims to capture information about the quality of nutrition services provided by health facilities and the community

Inclusion criteria

- Include descriptions of facility- and community-based nutrition services
- Include descriptions of information provided at/about nutrition services
- Include descriptions of how a participant felt about the nutrition services provided
- Include perceptions about the usefulness of attending nutrition services
- Include descriptions of outcomes of Vitamin A supplementation and health worker recommendations for participant
- Include descriptions of outcomes of SAM treatment and health worker recommendations for participant

Exclusion criteria

- Exclude descriptions of the demand and utilization of nutrition services
- Exclude descriptions of OPD visits, ANC visits, normal delivery, deworming services, PNC services, treatment for complications, caesarean sections, caesarean section, modern family planning, and community health services
- Exclude descriptions of the availability of nutrition services

Community health services

Code description: This code aims to capture information about the quality of community health services

Inclusion criteria

- Include descriptions of community-based health and nutrition services (e.g. quality of home/TBA delivery services and traditional FP services)
- Include descriptions of positive/negative health outcomes resulting from utilizing community health services
- Include descriptions of information provided at/about community health services

- Include descriptions of how a participant felt about the community health services provided
- Include perceptions about the usefulness of attending community health services

Exclusion criteria

- Exclude descriptions of the demand and utilization of community health services
- Exclude descriptions of the availability of community health services
- Exclude descriptions of the quality of community nutrition services
- Exclude descriptions of the quality of TBA services

SES

Code description: This code aims to capture information about the socioeconomic status of community members

Inclusion criteria

- Include descriptions of income, financial challenges and overall socioeconomic status
- Include descriptions of health challenges faced as a result of socioeconomic status
- Include descriptions of nutrition challenges faces as a result of socioeconomic status
- Include descriptions of health and nutrition outcomes as a result of socioeconomic status
- Include descriptions of the socioeconomic status of other community members

Exclusion criteria

- Exclude descriptions of finances as a barrier to accessing health and nutrition services
- Exclude descriptions of political economy
- Exclude descriptions of the expected roles of men and women when handling money/assets

Gender norms/dynamics

Code description: This code aims to capture information about the gender norms and dynamics of the community

Inclusion Criteria

- Include descriptions of how men and women are expected to behave
- Include descriptions of the expected role of different groups of women including: adolescents, widows, married women and unmarried women
- Include descriptions of the expected roles of men and women (e.g. during pregnancy, in the home, when handling money/assets)
- Include descriptions of the perceived rights and responsibilities of men and women during marriage/relationships
- Include descriptions of perceptions of men and women who deviate from gender norms

- Include descriptions of the treatment of men and women who deviate from gender norms

Exclusion criteria

- Exclude descriptions of socioeconomic status
- Exclude descriptions of mother's clubs

TBAs

Code description: This code aims to capture information about traditional birth attendants in the community.

Inclusion Criteria

- Include information about TBAs not covered in the following codes:
- Include information about perceptions of TBAs (e.g. their standing in the community, their role, the quality of care provided etc.)

Exclusion criteria

- Exclude descriptions of the demand for home/TBA delivery
- Exclude descriptions of the demand for skilled delivery services
- Exclude descriptions of the utilization of home/TBA delivery
- Exclude descriptions of the utilization of skilled delivery services
- Exclude traditional beliefs regarding pregnancy and delivery
- Exclude descriptions of TBA services
- Exclude descriptions of TBA referrals, evacuations or escorts

Family planning

Code description: This code aims to capture information about perceptions of family planning (traditional and modern methods) in the community.

Inclusion Criteria

- Include descriptions of perceptions of family planning and of women who use family planning
- Include descriptions of stigma regarding family planning
- Include descriptions of positive/negative health outcomes resulting from the use of family planning
- Include information about if/how family planning is discussed within the community

Exclusion criteria

- Exclude descriptions of the demand for modern and traditional family planning techniques
- Exclude descriptions of the utilization of modern and traditional family planning techniques

- Exclude descriptions of knowledge of family planning and birth spacing
- Exclude descriptions of the quality of modern family planning services

Food security

Code description: This code aims to capture information about food security in the community

Inclusion Criteria

- Include descriptions of food security challenges faced by community members
- Include descriptions of instances when an individual felt that the family did not have an adequate quantity or mix of food
- Include descriptions of factors that affected the amount of food available to the community
- Include descriptions of health outcomes faced because of food security

Exclusion criteria

- Exclude information about socioeconomic status
- Exclude descriptions of nutrition services and knowledge
- Exclude descriptions of minimum acceptable diet

Political Economy

Stakeholder support

Code Description:

This code aims to capture how general stakeholder support is perceived and how it impacts the project's activities relating to health and nutrition

Inclusion Criteria:

- Include descriptions of how people who are not directly involved in project implementation view or engage with the project's activities
- Include descriptions of the ways outside stakeholders interact with project activities and implementers

Exclusion Criteria:

- Exclude descriptions of how the health facility is financed

Public Policies

Code Description: This code aims to capture how public policies affect project activities.

Inclusion Criteria:

- Include descriptions of how public policies impact the project (whether positively or negatively)
- Include descriptions of lessons learned through project implementation that could inform policy change

- Include descriptions of knowledge of public policies relevant to project activities (e.g. the role specified for TBAs by the government)

Exclusion Criteria:

- Exclude descriptions of laws affecting project activities

Institutional Capacity

Code Description: This code aims to capture descriptions of the institutional capacity in The Gambia to respond to maternal and child nutrition and health issues.

Inclusion Criteria

- Include descriptions of the country infrastructure generally and how it addresses health and nutrition
- Include descriptions of the systems in place and their ability to perform functions regarding health and nutrition
- Include descriptions of the systems in place and their ability to set and achieve objectives related to health and nutrition

Exclusion Criteria

- Exclude descriptions of governance
- Exclude descriptions of policies and laws in place

Legal Framework

Code Description: This code aims to capture the legal framework of The Gambia and how it impacts health and nutrition.

Inclusion Criteria:

- Include examples of how current laws impact health and nutrition knowledge, behaviors, services and outcomes (e.g. access to food and medicines, amount of materials received, kinds of materials received, services able to be delivered)
- Include descriptions of discussions of laws that impact health and nutrition knowledge, behaviors, services and outcomes
- Include opinions on the general legal framework of The Gambia
- Include descriptions of how laws are enforced

Exclusion Criteria:

- Exclude opinions on laws that do not impact health or nutrition

Governance

Code Description: This code aims to capture how governance functions outside of the health facility and health system in The Gambia and how they impact health and nutrition-related activities and outcomes.

Inclusion Criteria:

- Include descriptions of existing systems of governance in the community that impact health or nutrition
- Include descriptions of how different tribes or groups govern and how that impacts health and nutrition
- Include descriptions of existing systems of governance outside the health facility and community that impact health or nutrition (e.g. regional government initiatives, NGO interventions etc.)

Exclusion Criteria:

- Exclude descriptions of the legal and policy environments
- Exclude descriptions of how laws are enforced
- Exclude descriptions of norms that impact the delivery of medicines and commodities

II. COMMUNITY

Behaviors and Organizations

- **Expressed Demand for Health Services**

OPD visits

Code Description: This code aims to capture descriptions of OPD visits which are desired by participants regardless of whether these services exist in their area or whether they accessed them.

Inclusion Criteria:

- Include descriptions of instances or medical conditions when OPD visits were desired
- Include descriptions of the perceived benefits of OPD visits
- Include descriptions of motivating factors for OPD visits (e.g. others telling mother to have visit)

Exclusion Criteria:

- Exclude descriptions of OPD visit utilization
- Exclude descriptions of ANC visits and demand for ANC visits
- Exclude descriptions of PNC visits and demand for PNC visits
- Exclude descriptions of demand or utilization for deworming services

ANC 1st visit < 3 months

Code Description: This code aims to capture descriptions of desires to attend a 1st ANC visit within the first trimester regardless of whether it was attended or whether this service exists in this area.

Inclusion Criteria:

- Include descriptions of why a 1st ANC visit in the first trimester is desired or perceived to be necessary by the participant

- Include descriptions of the perceived benefits of making 1st ANC visit within the first trimester
- Include descriptions of motivating factors for making 1st ANC visit within the first trimester (e.g. others telling mother to have visit)

Exclusion Criteria:

- Exclude descriptions of utilization of 1st ANC visit within the first trimester
- Exclude descriptions of number of ANC visits desired or utilized
- Exclude descriptions of desired or utilized OPD visits
- Exclude descriptions of Vitamin A supplementation demand or utilization

Number of ANC visits

Code description: This code aims to capture information about the desire for ANC visits regardless of utilization or availability of ANC

Inclusion criteria:

- Include descriptions of the ideal number of ANC visits
- Include descriptions of why a woman wants or wanted to seek ANC
- Include descriptions of the importance of ANC visits from both women and their family members
- Include descriptions of motivating factors for seeking ANC
- Include descriptions of the perceived benefits of ANC visits

Exclusion criteria:

- Exclude descriptions of barriers to accessing ANC visits
- Exclude descriptions of the utilization of ANC
- Exclude descriptions of the perceived quality of ANC visits
- Excluded perceptions of the best time to seek ANC for the first time

Skilled Delivery

Code Description: This code aims to capture descriptions of skilled delivery services which are desired by participants regardless of whether these services exist in their area or whether they accessed them.

Inclusion Criteria:

- Include descriptions of why a skilled delivery is desired or perceived to be necessary by the participant
- Include descriptions of the perceived benefits of skilled delivery that relate to women's demand for these services (including those made in comparison to a home birth or an 'unskilled' health facility delivery)
- Include descriptions of motivating factors for skilled delivery

Exclusion Criteria:

- Exclude descriptions of skilled delivery utilization

- Exclude descriptions of ANC visits and demand for ANC visits
- Exclude descriptions of PNC visits and demand for PNC visits
- Exclude descriptions of Caesarean sections
- Exclude descriptions of demand for unskilled/traditional birth deliveries

Home/TBA delivery

Code Description: This code aims to capture descriptions of home or traditional birth attendant delivery which are desired by participants regardless of a child was delivered in this manner or not.

Inclusion Criteria:

- Include descriptions of why a home/TBA delivery is desired or perceived to be necessary by the participant
- Include descriptions of the perceived benefits of home/TBA delivery (including those made in comparison to a skilled delivery in a health facility)
- Include descriptions of motivating factors for home/TBA delivery (e.g. others encouraged mother to have a home delivery)

Exclusion Criteria:

- Exclude descriptions of home/TBA delivery utilization
- Exclude descriptions of ANC visits and demand for ANC visits
- Exclude descriptions of PNC visits and demand for PNC visits
- Exclude descriptions of Caesarean sections
- Exclude descriptions of demand or utilization of skilled deliveries

PNC visits

Code Description: This code aims to capture descriptions of PNC visits which are desired by participants regardless of whether these services exist in their area or whether they accessed them.

Inclusion Criteria:

- Include descriptions of why a PNC visit is desired or perceived to be necessary by the participant
- Include descriptions of when PNC visits are desired (e.g. within 1 day of delivery, 1 week of delivery etc.)
- Include descriptions of the perceived benefits of making a PNC visit that relate to women's demand for these services
- Include descriptions of motivating factors for making a PNC visit (e.g. others telling mother to have visit)

Exclusion Criteria:

- Exclude descriptions of utilization of PNC visit
- Exclude descriptions of OPD visit utilization or demand
- Exclude descriptions of demand for skilled delivery

- Exclude descriptions of desired or utilized OPD visits

Modern family planning

Code Description: This code aims to capture descriptions of modern family planning services which are desired by participants regardless of whether these services exist in their area or whether they accessed them.

Inclusion Criteria:

- Include descriptions of reasons why modern family planning services were desired
- Include descriptions of the perceived benefits of modern family planning services that relate to women's demand for these services
- Include descriptions of timing of desired family planning (e.g. when a woman stops breastfeeding)
- Include descriptions of motivating factors for desiring family planning services

Exclusion Criteria:

- Exclude descriptions of modern family planning utilization
- Exclude descriptions of OPD, ANC, and PNC visit utilization or demand
- Exclude descriptions of expressed demand for traditional family planning methods

Traditional family planning

Code Description: This code aims to capture descriptions of traditional family planning services which are desired by participants regardless of whether they accessed them.

Inclusion Criteria:

- Include descriptions of reasons why traditional family planning services were desired
- Include descriptions of the perceived benefits of traditional family planning services that relate to women's demand for these services
- Include descriptions of timing of desired family planning (e.g. when a woman stops breastfeeding, after a certain number of children etc.)
- Include descriptions of motivating factors for desiring family planning services (e.g. others encouraged mother to use traditional family planning methods)

Exclusion Criteria:

- Exclude descriptions of traditional family planning utilization
- Exclude descriptions of OPD, ANC, and PNC visit utilization or demand
- Exclude descriptions of expressed demand or utilization of modern family planning methods

Deworming

Code Description: This code aims to capture descriptions of deworming services which are desired by participants regardless of whether these services exist in their area or whether they accessed them.

Inclusion Criteria:

- Include descriptions of instances when deworming services were desired
- Include descriptions of the perceived benefits of deworming services
- Include descriptions of motivating factors for deworming services (e.g. suggestion from friends)

Exclusion Criteria:

- Exclude descriptions of OPD, ANC, and PNC visits or demand
- Exclude descriptions of utilization for deworming services

Expressed Demand for Nutrition Services

Vitamin A supplementation

Code Description: This code aims to capture descriptions of Vitamin A supplementation which is desired by participants regardless of whether these services exist in their area or whether they accessed them.

Inclusion Criteria:

- Include descriptions of instances or symptoms when Vitamin A supplementation was desired
- Include descriptions of the perceived benefits of Vitamin A supplementation
- Include demand for Vitamin A supplementation of pregnant women, post-partum women, infants aged 0-5 months and infants aged 6-59 months.
- Include descriptions of motivating factors for seeking Vitamin A supplementation (e.g. others telling individual to seek treatment)

Exclusion Criteria:

- Exclude descriptions of Vitamin A supplement utilization
- Exclude descriptions of ANC, PNC, and OPD utilization or demand
- Exclude descriptions of demand or utilization SAM treatment

SAM treatment

Code Description: This code aims to capture descriptions of demand for SAM treatment by participants regardless of whether these services exist in their area or whether they accessed them.

Inclusion Criteria:

- Include descriptions of instances or symptoms when SAM treatment was desired
- Include descriptions of the perceived benefits of SAM treatment
- Include descriptions of motivating factors for seeking SAM treatment (e.g. others telling individual to seek treatment)

Exclusion Criteria:

- Exclude descriptions of SAM treatment utilization
- Exclude descriptions of ANC, PNC, and OPD utilization or demand
- Exclude descriptions of demand for or utilization of Vitamin A supplementation

Expressed Demand for Healthy Behavior

Handwashing with soap and water

Code Description: This code aims to capture descriptions of handwashing behaviors which are desired by participants regardless of whether they have the ability to practice them or not.

Inclusion Criteria:

- Include descriptions of when participants wanted to wash their hands with soap and water
- Include descriptions of the perceived benefits of handwashing with soap
- Include descriptions of motivating factors for handwashing with soap

Exclusion Criteria:

- Exclude descriptions of whether the participant washes their hands with soap
- Exclude descriptions of latrine use

Latrine use

Code Description: This code aims to capture descriptions of latrine use which are desired by participants regardless of whether they have the ability to use a latrine or not.

Inclusion Criteria:

- Include descriptions of when participants wanted use a latrine
- Include descriptions of the perceived benefits of latrine use
- Include descriptions of motivating factors for latrine use

Exclusion Criteria:

- Exclude descriptions of whether the participant uses latrines
- Exclude descriptions of handwashing with soap

Utilization of Health Services

OPD visits

Code Description: This code aims to capture descriptions of OPD use by participants and/or others in the community.

Inclusion Criteria:

- Include descriptions of instances or medical conditions when OPD visits were made

- Include descriptions of how and by whom the decision to make the OPD visit was made
- Include descriptions of how recommendations to make an OPD visit affected the decision to attend an OPD visit
- Include number of OPD visits
- Include descriptions of transportation and logistics surrounding OPD visit
- Include descriptions of friends who have attended OPD visits

Exclusion Criteria:

- Exclude descriptions of desired OPD visits
- Exclude descriptions of the quality of OPD services
- Exclude descriptions of ANC visits desired or utilized
- Exclude descriptions of PNC visits desired or utilized
- Exclude descriptions of demand for or utilization of deworming services

ANC 1st visits < 3 months

Code Description: This code aims to capture descriptions of participants' and/or other community members' uptake of ANC 1st visit within the first trimester.

Inclusion Criteria:

- Include descriptions of the circumstances surrounding their ANC 1st visit within the first trimester (e.g. when within the first trimester they attended)
- Include descriptions of how and by whom the decision to attend an ANC 1st visit within the first trimester was made
- Include descriptions of how recommendations to make an ANC 1st visit within the first trimester affected the decision to attend an ANC 1st visit within the first trimester
- Include descriptions of transportation and logistics surrounding an ANC 1st visit within the first trimester
- Include descriptions of friends who have attended an ANC 1st visit within the first trimester

Exclusion Criteria:

- Exclude descriptions of desired ANC 1st visits within the first trimester
- Exclude descriptions of number of ANC visits desired or utilized
- Exclude descriptions of quality of ANC services
- Exclude descriptions of OPD visits desired or utilized
- Exclude descriptions of Vitamin A supplementation demand or utilization

Number of ANC visits

Code description: This code aims to capture information about the number and nature of health facility based ANC visits participants and/or others in the community attended.

Inclusion criteria

- Include descriptions of instances or medical conditions when ANC visits were made
- Include descriptions of the number of times a woman attends a health facility based ANC visit
- Include descriptions of the how and by whom the decision is made to attend the number of ANC visits
- Include descriptions of how recommendations to attend ANC affected the decision to attend health facility based ANC
- Include descriptions of transportation and logistics surrounding ANC visits
- Include descriptions of friends who have attended ANC visits

Exclusion criteria

- Exclude descriptions of the demand for ANC visits
- Exclude descriptions of barriers to accessing ANC visits
- Exclude information about the quality of ANC visits
- Exclude descriptions of cultural beliefs about ANC
- Exclude information about community based ANC visits

Skilled delivery

Code Description: This code aims to capture descriptions of skilled deliveries experienced by participants and/or others in the community.

Inclusion Criteria:

- Include descriptions of how and by whom the decision to have a skilled delivery over a home delivery or unskilled delivery in the health facility was made, including time when decision was made
- Include descriptions of how recommendations to have a skilled delivery affected the decision whether or not to have a skilled delivery
- Include number of skilled deliveries over a women's lifetime
- Include descriptions of transportation and logistics surrounding skilled deliveries
- Include descriptions of friends who had skilled deliveries
- Include descriptions of preparation made in advance of deliveries for skilled deliveries

Exclusion Criteria:

- Exclude descriptions of demand for skilled deliveries
- Exclude descriptions of desired and utilized OPD, ANC, and PNC visits
- Exclude descriptions of home deliveries
- Exclude descriptions of the quality of skilled/institutional delivery services

Home/TBA delivery

Code Description: This code aims to capture descriptions of home and traditional birth attendant deliveries experienced by participants and/or others in the community.

Inclusion Criteria:

- Include descriptions of how and by whom the decision to have a home/TBA delivery over a skilled delivery in a health facility was made, including time decision was made
- Include descriptions of how recommendations to have a home/TBA delivery affected the decision to have a home/TBA delivery
- Include number of home/TBA deliveries over a women's lifetime
- Include descriptions of transportation and logistics surrounding home/TBA delivery
- Include descriptions of locations of TBA delivery if not in a home
- Include descriptions of friends who had home/TBA deliveries
- Include descriptions of preparation made in advance of deliveries for home/TBA deliveries
- Include descriptions of complications during home/TBA delivery

Exclusion Criteria:

- Exclude descriptions of demand for home/TBA deliveries
- Exclude descriptions of desired and utilized OPD, ANC, and PNC visits
- Exclude descriptions of desired or utilized skilled deliveries

Caesarean section

Code Description: This code aims to capture descriptions of Caesarean sections experienced by participants and/or others in the community.

Inclusion Criteria:

- Include descriptions of how and by whom the decision to have a Caesarean section was made
- Include number of Caesarean sections over a women's lifetime
- Include descriptions of logistics surrounding Caesarean sections
- Include descriptions of friends who had Caesarean sections
- Include descriptions of medical complications leading to caesarean section procedure
- Include explanations of whether the caesarean section was voluntary or necessary

Exclusion Criteria:

- Exclude beliefs/cultural opinions on caesarean sections
- Exclude descriptions of the quality of caesarean section services
- Exclude natural birthing examples

PNC visits

Code Description: This code aims to capture descriptions of PNC visits attended participants and/or others in the community and the rationale behind attendance.

Inclusion Criteria:

- Include descriptions of instances or medical conditions when PNC visits were made

- Include descriptions of how and by whom the decision to make the PNC visit was made
- Include descriptions of how recommendations to make a PNC visit affected the decision to attend a PNC visit
- Include number of PNC visits
- Include descriptions of transportation and logistics surrounding PNC visit
- Include descriptions of friends who have attended PNC visits

Exclusion Criteria:

- Exclude descriptions of desired PNC visits
- Exclude ANC visits desired or utilized
- Exclude descriptions of OPD visits desired or utilized
- Exclude descriptions of the quality of PNC services

Treatment for complications (delivery, post-partum, neonate)

Code Description: This code aims to capture descriptions of participants' use of services to treat complications during delivery as well as the post-partum and neonatal periods.

Inclusion Criteria:

- Include descriptions of delivery, post-partum and neonatal complications where treatment was sought for either the mother or the child
- Include descriptions of pre-existing medical conditions that resulted in complications during delivery or the post-partum or neonatal periods
- Include descriptions of how and by whom the decision to seek treatment for these complications was made
- Include descriptions of number of treatment for complications
- Include descriptions of transportation and logistics surrounding treatment for complications
- Include descriptions of friends' treatment for complications

Exclusion Criteria:

- Exclude descriptions of PNC visits desired or utilized
- Exclude descriptions of skilled deliveries desired or utilized
- Exclude descriptions of traditional deliveries
- Exclude descriptions of the quality of services to treat these complications

Modern family planning

Code Description: This code aims to capture descriptions of use of modern family planning by participants and/or others in the community.

Inclusion Criteria:

- Include descriptions of instances when modern family planning was discussed in a health facility or with community health workers

- Include descriptions of how and by whom the decision to use modern family planning was made
- Include descriptions of how recommendations to use modern family planning affected the decision to use modern family planning
- Include descriptions of transportation and logistics surrounding obtaining modern family planning services
- Include descriptions of friends who have used modern family planning

Exclusion Criteria:

- Exclude descriptions of demand for modern family planning services
- Exclude descriptions of traditional family planning practices

Traditional Family Planning

Code Description: This code aims to capture descriptions of use of traditional family planning experienced by participants and/or others in the community.

Inclusion Criteria:

- Include descriptions of instances when traditional family planning was discussed in a health facility or with a community health worker
- Include descriptions of how and by whom the decision to use traditional family planning was made
- Include descriptions of how recommendations to use traditional family planning affected the decision to use traditional family planning
- Include descriptions of transportation and logistics surrounding obtaining traditional family planning services
- Include descriptions of friends who have use traditional family planning services

Exclusion Criteria:

- Exclude descriptions of demand for home/TBA deliveries
- Exclude descriptions of desired and utilized OPD, ANC, and PNC visits
- Exclude descriptions of desired or utilized skilled deliveries
- Exclude descriptions of the quality of home/TBA delivery services

Deworming

Code Description: This code aims to capture descriptions of use of deworming services by participants and/or others in the community.

Inclusion Criteria:

- Include descriptions of instances which led participant to seek deworming services
- Include descriptions of how and by whom the decision to seek deworming services was made
- Include descriptions of how recommendations to use deworming services affected the decision to use deworming services
- Include number of times deworming services have been utilized

- Include descriptions of transportation and logistics surrounding obtaining deworming services
- Include descriptions of friends who have used deworming services

Exclusion Criteria:

- Exclude descriptions of desired deworming services
- Exclude descriptions of the quality of deworming services

Utilization of Nutrition Services

Vitamin A supplementation

Code Description: This code aims to capture descriptions of participants' uptake and experience of Vitamin A supplementation services.

Inclusion Criteria:

- Include descriptions of instances or symptoms when Vitamin A supplementation was used (for the individual or her child)
- Include descriptions of how and by whom the decision to use Vitamin A supplementation was made
- Include descriptions of how recommendations to use Vitamin A supplementation affected the decision to use Vitamin A supplementation
- Include number of times Vitamin A supplementation has been used
- Include descriptions of transportation and logistics surrounding obtaining Vitamin A supplementation
- Include descriptions of friends who have used Vitamin A supplementation

Exclusion Criteria:

- Exclude descriptions of demand for Vitamin A supplementation
- Exclude descriptions of demand for or use of SAM treatment

SAM treatment

Code Description: This code aims to capture descriptions of participants' use of SAM treatment services.

Inclusion Criteria:

- Include descriptions of instances or symptoms when SAM treatment was used (for the individual or her child)
- Include descriptions of how and by whom the decision to use SAM treatment was made
- Include descriptions of how recommendations to use SAM treatment affected the decision to use SAM treatment
- Include number of times SAM treatment has been used
- Include descriptions of transportation and logistics surrounding obtaining SAM treatment
- Include descriptions of friends who have used SAM treatment

- Include descriptions of whether SAM treatment was sought at health facility or community level

Exclusion Criteria:

- Exclude descriptions of demand for SAM management
- Exclude descriptions of Vitamin A supplementation
- Exclude descriptions of demand for or utilization of deworming services

Adoption of Healthy Behaviors

Handwashing with soap and water

Code Description: This code aims to capture descriptions and experiences of handwashing with soap.

Inclusion Criteria:

- Include descriptions of instances when participants washed hands with soap.
- Include descriptions of how and by whom the decision to wash hands with soap was made
- Include descriptions of physical locations of handwashing with soap
- Include descriptions of locations where handwashing supplies are purchased

Exclusion Criteria:

- Exclude descriptions of desired handwashing behaviors
- Exclude descriptions of latrine use

Latrine use

Code Description: This code aims to capture descriptions of latrine use and experience by participants.

Inclusion Criteria:

- Include descriptions of instances when latrines were used
- Include descriptions of how and by whom the decision to use a latrine was made
- Include descriptions of physical locations of latrines

Exclusion Criteria:

- Exclude descriptions of desired latrine use
- Exclude descriptions of handwashing behaviors

Exclusive breastfeeding to 6 months

Code Description: This code aims to capture descriptions of exclusive breastfeeding practices for children in their first 6 months of life.

Inclusion Criteria:

- Include descriptions of instances when children were breast fed exclusively for 6 months

- Include perceived benefits of breast feeding exclusively for 6 months
- Include motivating factors behind breast feeding exclusively for 6 months
- Include descriptions of why children were weaned before 6 months
- Include obstacles to exclusive breastfeeding for 6 months
- Include descriptions of how and by whom the decision to breast feed exclusively for 6 months was made
- Include descriptions of physical locations where breast feeding occurred

Exclusion Criteria:

- Exclude descriptions of PNC visits utilized
- Exclude descriptions of SAM treatment

Accessibility

Barriers to accessing services

Code Description:

This code aims to capture barriers that prevent access of services.

Inclusion Criteria:

- Include descriptions of instances where barriers prevented access to services
- Include descriptions of instances where the suggestions with others impeded accessing care
- Include descriptions of instances where lack of demand for relevant health and nutrition services impeded people accessing services

Exclusion Criteria:

- Exclude descriptions of geography/transport barriers to accessing care
- Exclude descriptions of financial barriers to accessing care
- Exclude descriptions of traditional beliefs which acted as a barrier to accessing care

Geography/transport

Code Description: This code aims to capture geographic and transportation barriers that prevent access of services.

Inclusion Criteria:

- Include descriptions of instances where geographic or transportation barriers previously prevented access to care
- Include descriptions of instances where geographic or transportation barriers are perceived as preventing access to care in future
- Include descriptions of distances to services and travel time to services
- Include descriptions of forms of transportation to services
- Include instances when infrastructure provided a barrier to accessing services (e.g. poor roads during the rainy season)

Exclusion Criteria:

- Exclude descriptions of financial barriers to accessing care
- Exclude descriptions of traditional beliefs which acted as a barrier to accessing care

Financial

Code Description: This code aims to capture financial barriers that prevent access to care.

Inclusion Criteria:

- Include descriptions of instances where lack of methods of payment or exchange prevented access to care
- Include descriptions of instances where financial barriers are perceived as preventing access to care in future
- Include descriptions of cost of transport
- Include descriptions of cost of services, laboratory fees, medications etc.
- Include descriptions of forms of methods of exchange (e.g. money, livestock)

Exclusion Criteria:

- Exclude descriptions of geographic/transportation barriers to accessing care
- Exclude descriptions of traditional beliefs which acted as a barrier to accessing care

Traditional beliefs regarding care seeking

Code Description: This code aims to capture traditional beliefs regarding care seeking that prevent access to care.

Inclusion Criteria:

- Include descriptions of instances where traditional or religious beliefs prevented an individual from accessing nutrition or health services
- Include descriptions of instances where traditional or religious beliefs prevented the individual accessing care due to others' actions or perceptions of others' beliefs (e.g. husband prevented access or fear of stigma prevents access)
- Include descriptions of structural constraints that align with traditional beliefs that prevent access to care

Exclusion Criteria:

- Exclude descriptions of geographic/transportation barriers to accessing care
- Exclude descriptions of financial barriers to accessing care

Health and nutrition impacts of non-utilization of services

Code description: This code aims to capture information about the impact on health and nutrition of not utilizing services.

Inclusion criteria:

- Include information on health and nutrition outcomes in situations where, for whatever reason, participants did not access health or nutrition services.

Exclusion criteria:

- Exclude reasons why participants did not access health or nutrition services
- Exclude health and nutrition outcomes following utilization of services

In households and amongst beneficiaries

- Knowledge of healthy behaviors and recommended practices

Advantages of breast feeding

Code description: This code aims to capture information about what a woman knows about the advantages of breastfeeding and exclusive breastfeeding until 6 months.

Inclusion criteria

- Include descriptions of why a woman wanted/did not want to breastfeed
- Include descriptions of knowledge and perceptions on why breastfeeding is (not) beneficial
- Include descriptions of knowledge and perceptions on why exclusive breastfeeding to six months is (not) beneficial
- Include descriptions of length of non-exclusive breastfeeding and decisions around how long to breastfeed for

Exclusion criteria

- Exclude descriptions of a reasons a woman was unable to breastfeed
- Exclude information about a woman's ability to breastfed exclusively to six months
- Exclude descriptions of a woman's experience when choosing to breastfeed exclusively to six months
- Exclude descriptions of minimum acceptable nutrition

Descriptions of minimum acceptable diet

Code description: This code aims to capture information about what community members believe to be a minimum acceptable diet.

Inclusion criteria

- Include descriptions of the perceived components of a minimum acceptable diet (e.g. frequency of feeding and receiving a variety of foods: grains, roots & tubers, legumes & nuts, dairy products, flesh foods, eggs, vitamin A rich fruits & vegetables, and other fruits & vegetables)
- Include perceptions of whether the diet of any community members fulfill minimum standards
- Include perceptions of components lacking in the diet of any community member

Exclusion criteria

- Exclude descriptions of information about demand and utilization of nutrition services
- Exclude descriptions of food security
- Exclude descriptions of traditional beliefs regarding nutrition
- Exclude descriptions of breastfeeding and exclusive breastfeeding until six months
- Exclude descriptions of Vitamin A supplementation

Healthy pregnancy and associated risk factors

Code description: This code aims to capture information about what community members know about healthy pregnancy and associated risk factors (both clinical and non-clinical).

Inclusion criteria

- Include descriptions of a community member's knowledge of the qualities of a healthy pregnancy
- Include descriptions of a community member's knowledge of the possible risks associated with pregnancy
- Include descriptions of a community member's knowledge of the risk factors that cause issues during pregnancy
- Include descriptions of a community member's knowledge of recommended practices to increase the likelihood of a successful pregnancy

Exclusion criteria

- Exclude descriptions of the demand, utilization, and quality of ANC and PNC visits
- Exclude descriptions of the demand, utilization, and quality for treatment for complications
- Exclude descriptions of knowledge of breastfeeding, post-partum & post-natal care practices, and family planning & birth spacing

Facility delivery

Code description: This code aims to capture information about what community members know about facility delivery.

Inclusion criteria

- Include descriptions of a community member's knowledge of the nature of facility delivery
- Include descriptions of a community member's knowledge of the benefits of facility delivery
- Include descriptions of a community member's beliefs on facility delivery
- Include descriptions of friends' or relatives' beliefs on facility delivery

Exclusion criteria

- Exclude descriptions of the barriers to accessing facility delivery
- Exclude descriptions of the demand, utilization, and quality of facility delivery services and treatment for complications

- Exclude descriptions of knowledge of healthy pregnancies
- Exclude descriptions of knowledge of breastfeeding, healthy pregnancies, post-partum & post-natal care practices, and family planning & birth spacing

Post-partum and post-natal care practices

Code description: This code aims to capture information about what community members know about post- partum and post-natal care practices.

Inclusion criteria

- Include descriptions of a community member's knowledge and/or beliefs of the nature of post-partum and post-natal care practices
- Include descriptions of a community member's knowledge of the benefits of post-partum and post-natal care practices
- Include descriptions of friends' and relatives' beliefs on post-partum and post-natal care practices

Exclusion criteria

- Exclude descriptions of ANC and PNC visits
- Exclude descriptions of the demand, utilization, and quality for treatment for complications
- Exclude descriptions of knowledge of healthy pregnancies and associated risks
- Exclude descriptions of knowledge of breastfeeding, facility delivery, and family planning & birth spacing

Family planning and birth spacing

Code description: This code aims to capture information about what community members know about family planning and birth spacing.

Inclusion criteria

- Include descriptions of a community member's knowledge of the nature of family planning and birth spacing
- Include descriptions of a community member's knowledge of the benefits of delaying or spacing births
- Include descriptions of a community member's perceptions on the amount of time desired between pregnancies
- Include descriptions of a community member's, friends', and relatives' beliefs on family planning and birth spacing

Exclusion Criteria

- Exclude information about perceptions and stigmas associated with family planning
- Exclude information about the demand, utilization, and quality of facility delivery services and treatment for complications
- Exclude descriptions of knowledge of healthy pregnancies and the associated risks
- Exclude descriptions of the quality, demand for, and utilization of modern and traditional family planning practices

- Exclude information about knowledge of breastfeeding, facility delivery, and post-partum & post-natal care practices

Traditional beliefs regarding health

Code Description:

This code aims to capture traditional beliefs and practices relating to health, including those with medical and/or symbolic purpose, and the values, perceptions, and attitudes associated with them

Inclusion Criteria:

- Include descriptions of cultural attitudes and perceptions of health
- Include descriptions of the perceived purpose of health behaviors

Exclusion criteria:

- Exclude descriptions of traditional beliefs regarding pregnancy
- Exclude descriptions of traditional beliefs regarding delivery
- Exclude descriptions of traditional beliefs regarding family planning
- Exclude descriptions of traditional beliefs regarding nutrition

Traditional beliefs regarding pregnancy

Code Description: This code aims to capture traditional beliefs held by beneficiaries and the surrounding community regarding pregnancy.

Inclusion Criteria:

- Include descriptions of traditional practices that are seen to make pregnancy (un)successful
- Include descriptions of cultural attitudes and values on pregnancy
- Include descriptions of cultural perceptions of pregnancy, and how a woman is treated by the community during pregnancy
- Include descriptions of friends' pregnancies and their experiences pertaining to pregnancy
- Include descriptions of how women are expected to feel/act during pregnancy

Exclusion Criteria

- Exclude descriptions of visits to the facility during pregnancy

Traditional beliefs regarding delivery

Code Description: This code aims to capture traditional beliefs and practices relating to delivery, including those with medical and/or symbolic purpose, and the values, perceptions, and attitudes associated with them.

Inclusion Criteria:

- Include descriptions of cultural attitudes and perceptions of delivery

- Include description of traditional delivery practices such as birthing position
- Include descriptions of traditional herbs, foods, etc. ingested or used externally during delivery process
- Include description of participants besides the mother involved in traditional delivery processes (e.g. birthing mother's mother, traditional birth attendant)
- Include description of physical location of delivery
- Include descriptions of traditional practices immediately preceding birth such as isolation from rest of population
- Include descriptions of traditional practices in the immediate aftermath of birth such as fate of umbilical cord

Exclusion criteria:

- Exclude descriptions of traditional beliefs regarding pregnancy
- Exclude descriptions of traditional beliefs regarding family planning
- Exclude descriptions of traditional beliefs regarding nutrition

Traditional beliefs regarding family planning

Code description: This code aims to capture information about traditional beliefs concerning family planning held by beneficiaries and the surrounding community

Inclusion criteria

- Include traditional perceptions about the effectiveness of family planning
- Include descriptions of perceived benefits of using family planning techniques
- Include descriptions of cultural attitudes and values on family planning
- Include descriptions of cultural perceptions of family planning, and how women (including all different groups of women e.g. adolescents, widows, unmarried women, etc.) are treated based on their use of various family planning techniques

Exclusion criteria

- Exclude descriptions of the demand for family planning
- Exclude descriptions of utilization of family planning
- Exclude descriptions of traditional family planning techniques used by the participant or other women in the community
- Exclude descriptions of why the participant chose to use or not use traditional family planning techniques

Traditional beliefs regarding nutrition

Code description: This code aims to capture information about the traditional beliefs held by beneficiaries and community members regarding nutrition

Inclusion criteria

- Include descriptions of traditional perceptions and beliefs on nutrition
- Include descriptions of how nutrition affects health
- Include descriptions of breastfeeding

- Include descriptions of cultural attitudes and values on nutrition
- Include descriptions of how community members are viewed and treated based on their nutrition

Exclusion criteria

- Exclude descriptions of food security
- Exclude descriptions of a minimum acceptable diet
- Exclude descriptions of the demand for nutrition services
- Exclude descriptions of the utilization of nutrition services

VSGs

NB. The VSG includes TBAs

Motivation

Code description: This code aims to capture information about the motivation of members of village support groups

Inclusion criteria

- Include descriptions of the degree of motivation of VSG members to provide health information and services
- Include descriptions of factors that increase/decrease the motivation of VSG members
- Include descriptions of how performance-based incentives influence the motivation of VSG members

Exclusion criteria

- Exclude descriptions of the quality of services provided by VSGs
- Exclude descriptions of a VSG members' job satisfaction
- Exclude descriptions of the demand and utilization of services
- Exclude descriptions of the availability of services

Job satisfaction

Code description: This code aims to capture information about the job satisfaction of members of village support groups.

Inclusion criteria

- Include descriptions of the degree of job satisfaction of VSG members
- Include descriptions of reasons a VSG member is satisfied/dissatisfied with their position
- Include descriptions of how performance-based incentives influence job satisfaction of VSG members
- Include descriptions of opinions or factors that affect a VSG member's job satisfaction

Exclusion criteria

- Exclude descriptions of the quality of services provided by VSGs
- Exclude information about the frequency and quality of mother's club meetings
- Exclude descriptions of the motivation of VSG members
- Exclude descriptions of the availability of services

Capacity and knowledge

Code description: This code aims to capture information about the capacity and knowledge of members of village support groups.

Inclusion criteria

- Include descriptions of the degree of capacity and knowledge of VSG members
- Include descriptions of training received by VSG members
- Include descriptions of areas where a VSG member feels they lack knowledge
- Include descriptions of areas where a VSG member feels they have sufficient knowledge
- Include descriptions of ways a VSG member believes capacity and knowledge could be improved

Exclusion criteria

- Exclude descriptions of the quality of services provided by VSGs
- Exclude descriptions of the job satisfaction of VSG employees
- Exclude information about the frequency and quality of mother's club meetings
- Exclude descriptions of the motivation of VSG members
- Exclude descriptions of the availability of services

Intensity of services

Frequency of mothers club meetings

Code description: This code aims to capture information about the frequency and nature of mother's club meetings

Inclusion criteria

- Include descriptions of the number of instances when mothers club meetings are held
- Include descriptions of when mother's club meetings are held
- Include descriptions of the attendance of mothers club meetings including the number of women who attend and descriptions of the different groups of women who attend (e.g. adolescents, unmarried women, widows, etc.)
- Include descriptions of the level of active participation in mother's club meetings
- Include descriptions of experiences at mother's club meeting

Exclusion criteria

- Exclude descriptions of the quality of services provided by VSGs
- Exclude descriptions of the job satisfaction of VSG members

- Exclude descriptions of the motivation of VSG members

Frequency of village meetings

Code description: This code aims to capture information about the frequency and nature of village meetings

Inclusion criteria

- Include descriptions of the number of instances when village meetings occurred
- Include descriptions of when village meetings occurred
- Include descriptions of the attendance of village meetings including the number of women who attend and descriptions of the different groups of women who attend (e.g. adolescents, unmarried women, widows, etc.)
- Include descriptions of the level of active participation in village meetings by different groups of people
- Include descriptions of experiences at village meetings

Exclusion criteria

- Exclude descriptions of the quality of services provided by VSGs
- Exclude descriptions of the job satisfaction of VSG members
- Exclude descriptions of the motivation of VSG members
- Exclude descriptions of the frequency of mother's club meetings

Quality of community health services

Better equipped with supplies

Code description: This code aims to capture information about the quality and quantity of supplies available to VSGs.

Inclusion criteria

- Include descriptions of the quality and quantity of supplies available before and/or after the project implementation
- Include descriptions of supplies that are needed but unavailable
- Include descriptions of positive/negative health outcomes resulting from possessing or not possessing adequate supplies

Exclusion criteria

- Exclude descriptions of the availability of VSG services
- Exclude descriptions of treatments provided by VSGs
- Exclude descriptions of the demand and utilization of health services

TBA services

Code description: This code aims to capture information about the quality of services provided by traditional birth attendants

Inclusion criteria

- Include descriptions of the services provided by TBAs
- Include descriptions of positive/negative health outcomes resulting from utilizing or not utilizing TBA services
- Include descriptions of how the TBA treated a woman
- Include descriptions of how a woman felt about the TBA and the services provided
- Include descriptions of any factors affecting the quality of services provided by TBAs

Exclusion criteria

- Exclude descriptions of the motivation and job satisfaction of VSG members
- Exclude descriptions TBA referrals, evacuations or escorts
- Exclude descriptions of OPD visits, ANC visits, skilled delivery, PNC visits, treatment for complications, caesarean sections, and modern family planning provided by VSGs
- Exclude descriptions of the availability of VSG services

TBA referrals, evacuations or escorts

Code description: This code aims to capture information about the quality and quantity of TBA referrals, evacuations or escorts

Inclusion criteria

- Include descriptions of the TBA referrals, evacuations or escorts
- Include descriptions of when and why a TBA makes a referral, evacuation or escort
- Include descriptions of positive/negative health outcomes resulting from a referral, evacuation or escort by a TBA
- Include descriptions of positive/negative experiences of women who experienced a referral, evacuation or escort by a TBA

Exclusion criteria

- Exclude descriptions of the services provided by TBAs within the community
- Exclude descriptions how a TBA treated a woman within the community
- Exclude descriptions of OPD visits, ANC visits, skilled delivery, PNC visits, treatment for complications, caesarean sections, and modern family planning provided by VSGs
- Exclude descriptions of the availability of VSG service

VDCs

Capacity to manage RBF project

Code description: This code aims to capture information about the capacity of village development committees to manage the RBF project.

Inclusion criteria

- Include descriptions of challenges VDCs face in managing the RBF project
- Include descriptions of VDC success in managing the RBF project
- Included descriptions of training received by VDC members

- Include descriptions of gaps in capacity within the VDC

Exclusion criteria

- Exclude descriptions of village development regarding health and/or nutrition
- Exclude descriptions of community ownership of health and/or outcomes and activities

Village development regarding health

Code description: This code aims to capture information about changes in health and knowledge of health at the village/community level

Inclusion criteria

- Include descriptions of changes in the overall health of the village
- Include descriptions of overall changes in knowledge of healthy practices and/or behaviors among community members

Exclusion criteria

- Exclude descriptions of utilization of health services
- Exclude descriptions of demand for health services
- Exclude descriptions of VDC capacity to manage the RBF project
- Exclude descriptions of community ownership of nutrition outcomes and activities
- Exclude descriptions of community ownership of health outcomes and activities
- Exclude descriptions of village development regarding nutrition
- Exclude descriptions of individual level changes in knowledge, behavior, or health

Village development regarding nutrition

Code description: This code aims to capture information about changes in nutrition and knowledge of nutrition at the village/community level.

Inclusion criteria

- Include descriptions of changes in the overall nutrition of the village
- Include descriptions of overall changes in knowledge of nutrition among community members
- Include descriptions of overall changes in the practice of proper nutrition among community members

Exclusion criteria

- Exclude descriptions of utilization of nutrition services
- Exclude descriptions of demand for nutrition services
- Exclude descriptions of VDC capacity to manage the RBF project
- Exclude descriptions of community ownership of health outcomes and activities
- Exclude descriptions of community ownership of nutrition outcomes and activities
- Exclude descriptions of village development regarding health
- Exclude descriptions of individual changes in knowledge or behavior

Community ownership of health activities and outcomes

Code description: This code aims to capture information about the community ownership of health activities and outcomes.

Inclusion criteria

- Include descriptions of the degree to which community members participate in health activities
- Include descriptions of perceptions of how community actions impact health outcomes
- Include descriptions of the degree to which a community feels ownership of health activities and outcomes i.e. that they are responsible for and have some control over health activities and outcomes

Exclusion criteria

- Exclude descriptions of utilization of health services
- Exclude descriptions of demand for health services
- Exclude descriptions of VDC capacity to manage the RBF project
- Exclude descriptions of community ownership of nutrition outcomes and activities
- Exclude descriptions of village development regarding health

Community ownership of nutrition activities and outcomes

Code description: This code aims to capture information about the community ownership of nutrition activities and outcomes.

Inclusion criteria

- Include descriptions of the degree to which a community participates in nutrition activities
- Include descriptions of perceptions of how community actions impact nutrition outcomes
- Include descriptions of the degree to which a community feels ownership of nutrition activities and outcomes i.e. that they are responsible for and have some control over nutrition activities and outcomes

Exclusion criteria

- Exclude descriptions of utilization of nutrition services
- Exclude descriptions of demand for nutrition services
- Exclude descriptions of VDC capacity to manage the RBF project
- Exclude descriptions of community ownership of health outcomes and activities
- Exclude descriptions of village development regarding nutrition

III. HEALTH FACILITIES

Health System Pillars

Service Delivery

Code Description: This code aims to capture descriptions of health service delivery.

Inclusion Criteria:

- Include descriptions of the equipment and supplies available to health facilities
- Include descriptions of health service delivery models e.g. which services are integrated (e.g. FP within PNC services), which services are only offered in referral facilities etc.
- Include descriptions of modes of transportation to and from the health facility (delivery models)
- Include descriptions of the importance of client friendliness expressed by health workers

Exclusion Criteria:

- Exclude descriptions of health facility infrastructure
- Exclude descriptions of the availability or quality of services
- Exclude descriptions of logistics systems for medicines/commodities
- Exclude descriptions of the health workforce

Health Facility Infrastructure

Code Description: This code aims to capture descriptions of the health facility infrastructure, including how it operates.

Inclusion Criteria:

- Include descriptions of the physical infrastructure of the health facility
- Include descriptions of the commodities (i.e. electricity, water) inside the health facilities
- Include descriptions of the cleanliness of health facilities
- Include descriptions of the safety of the working environment in health facilities

Exclusion Criteria:

- Exclude descriptions of the supervision/leadership within health facilities
- Exclude descriptions of how the health facility is financed

Health Workforce

Code Description: This code aims to capture details of the health workforce.

Inclusion Criteria

- Include descriptions of the training of health workers
- Include descriptions of areas where health workers lack capacity or where extra training might be beneficial
- Include descriptions of the range of specialties of health workers employed

- Include descriptions of the balance of health workers employed e.g. the mix of nurses and doctors; the mix of specialties etc.
- Include descriptions of a lack of health workers in any particular area
- Include descriptions of information relating both to health workers within health facilities and community health nurses

Exclusion Criteria

- Exclude descriptions of the supervision/leadership within health facilities
- Exclude descriptions of the infrastructure of the health workforce and how they operate
- Exclude information relating to TBAs, traditional healers or spiritual healers

Financing

Code Description: This code aims to capture the financing of the health system and its impact on health facilities.

Inclusion Criteria:

- Include descriptions of national health financing policies
- Include descriptions of tools on health budgets and expenditures
- Include descriptions of data on health budgets and expenditures
- Include descriptions of costing within the health system

Exclusion Criteria:

- Exclude descriptions of how health facilities are financed
- Exclude descriptions of how performance-based financing incentives are spent

Governance

Code Description: This code aims to capture the governance of the health system.

Inclusion Criteria:

- Include descriptions of harmonization and alignment within the health system
- Include descriptions of oversight in the health system
- Include examples of regulation in the health system

Exclusion Criteria:

- Exclude descriptions of health sector policies

Medicines/Commodities

Code Description: This code aims to capture the environment surrounding medicines and commodities provided at the health facilities

Inclusion Criteria:

- Include descriptions of the systems for delivery of medicines and commodities to health facilities
- Include descriptions of standards surrounding medicines and commodities provided in the health facilities
- Include descriptions of reliable procurement of medicines and commodities
- Include descriptions of medicines and commodities that are of equitable access between health facilities
- Include information on stockouts of medicines and commodities

Exclusion Criteria:

- Exclude examples of patients receiving medicines and commodities

Information

Code Description: This code aims to capture how data is collected and reported for the routine health management system and how the data is used for decision making.

Inclusion Criteria:

- Include descriptions of how data is collected and reported for the routine health management information system
- Include descriptions of how data received is used for decision making
- Include descriptions of facility and population based information received by the health facility
- Include descriptions of surveillance systems
- Include descriptions of global standards that impact health and nutrition data collection and reporting
- Include descriptions of the infrastructure by which information is collected

Exclusion Criteria:

- Exclude descriptions of data collection or reporting that fall outside government health and nutrition reporting systems.

Program Design and Implementation

Contract with PBF indicators

Autonomy

Code Description: This code aims to capture feelings of autonomy of health facilities in the context of the contract with PBF indicators.

Inclusion Criteria:

- Include descriptions of feelings of self-governance from health facility employees
- Include descriptions of health worker interactions with those signing the contract that facilitate or impede health facility employees feeling responsible
- Include descriptions of health facility employees' power and freedom to make decisions

Exclusion Criteria:

- Exclude descriptions of management and leadership
- Exclude descriptions of the infrastructure that enables or does not enable autonomy

Allocating resources

Code Description: This code aims to capture how resources are allocated within the health facility.

Inclusion Code:

- Include descriptions of the structure for allocating resources in health facilities
- Include descriptions of the process for allocating resources in health facilities
- Include descriptions of the materials, staff, etc. that resources are allocated towards in the health facility
- Include descriptions of what medical materials require the most resource allocation
- Include descriptions of how resources could be differently allocated

Exclusion Criteria:

- Exclude how incentives are allocated
- Exclude descriptions of how resources are allocated outside of the health facility and in the health system more generally

Management and Leadership Response

Code Description: This code aims to capture how health facilities operate and respond both in management and leadership.

Inclusion Criteria:

- Include descriptions that capture examples of transparency of operations within the health facility
- Include descriptions of examples of accountability in health facilities
- Include descriptions of personal productivity of health facility employees
- Include descriptions of the productivity of others within the health facility
- Include examples of how leadership use data received to make decisions
- Include examples of situations where management had to make a decision and the manner in which they responded
- Include examples of how leadership motivate staff within the health facility

Exclusion Criteria:

- Exclude descriptions of the infrastructure of management and leadership
- Exclude descriptions of how management decides to allocate resources
- Exclude descriptions of how management chooses to spend and distribute incentives

Data Reporting

Code Description: This code aims to capture information on how the data collected as part of the project is reported.

Inclusion Criteria:

- Include descriptions of where and how the data is reported internally and externally
- Include descriptions of instructions that were given to health facility workers on where to record and send data
- Include descriptions of how data is prepared before being reported
- Include descriptions of reports on incentivized indicators
- Include perceived changes in data quality over the project period

Exclusion Criteria:

- Exclude descriptions of the data itself
- Exclude decision-making based on data
- Exclude data collected and reported for the routine health management information system that is not relevant to the project

Verification

Code Description: This code aims to capture information about the processes through which health facility data are verified.

Inclusion Criteria:

- Include descriptions of systems in place to verify health facility data
- Include perceived strengths and weaknesses of the verification system

Exclusion Criteria:

- Exclude descriptions of the infrastructure of health facilities and communities
- Exclude descriptions of how incentives/payments are allocated
- Exclude descriptions of leadership and management oversight

Capacity Building

Code Description: This code aims to capture capacity building efforts that have taken place within the health facility as part of the project.

Inclusion Criteria:

- Include descriptions of how and by whom capacity building is initiated and carried out
- Include descriptions of topics covered in capacity building activities
- Include descriptions of goals being achieved
- Include descriptions of efforts to increase patient volume, hire more staff, or purchases improved/more equipment

Exclusion Criteria:

- Exclude descriptions of autonomy

- Exclude descriptions of how performance payments relate to capacity building
- Exclude descriptions of how incentives are spent