

# FANTA III

FOOD AND NUTRITION  
TECHNICAL ASSISTANCE



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## **Assessment of Selected Health Facilities in Uganda: Are They Capable of Providing Nutrition Assessment, Counselling, and Support (NACS) Services?**

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February 2014

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## Abbreviations and Acronyms

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|         |  |
|---------|--|
| BFHI    | Baby-Friendly Health Facility Initiative                         |
| CDC     | U.S. Centers for Disease Control and Prevention                  |
| FANTA   | Food and Nutrition Technical Assistance III Project              |
| FEFO    | first-ended, first out   |
| HC IV   | Health Centre IV   |
| HIV     | human immunodeficiency virus                                     |
| IEC     | information, education, and communication                        |
| IMAM    | integrated management of acute malnutrition                      |
| IYCF    | infant and young child feeding                                   |
| km      | kilometre(s)   |
| MOH     | Ministry of Health   |
| MUAC    | mid-upper arm circumference                                      |
| NACS    | nutrition assessment, counselling, and support                   |
| OTC     | outpatient therapeutic care                                      |
| PIN     | Production for Improved Nutrition                                |
| PLHIV   | people living with HIV   |
| QI      | quality improvement  |
| RUTF    | ready-to-use therapeutic food                                    |
| STAR-EC | Strengthening TB and HIV & AIDS Responses in East Central Uganda |
| TB      | tuberculosis   |
| U.S.    | United States  |
| USAID   | U.S. Agency of America International Development                 |

## Introduction/Background

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The Uganda Ministry of Health (MOH) and development partners have over the years provided targeted nutrition support to selected districts and health facilities using the nutrition assessment, counselling, and support (NACS) framework. In the scale-up plan for nutrition interventions, the MOH plans to integrate NACS into routine health services in additional districts and health facilities while improving quality of services in the facilities already receiving support. The U.S. Agency for International Development (USAID) and the United States Centers for Disease Control and Prevention (CDC) are supporting the MOH scale-up plan through various implementing partners.

As part of this support, USAID requested that the Food and Nutrition Technical Assistance III Project (FANTA) conduct a rapid assessment to determine whether selected health facilities meet minimum requirements to successfully provide NACS outpatient therapeutic care (OTC) services, including providing ready-to-use therapeutic food (RUTF). Recommendations in this report are based on the 2010 Uganda Integrated Management of Acute Malnutrition (IMAM) Guidelines and the expertise and experience of the FANTA-led assessment team. USAID requested that the assessment take place in three health facilities in Buyende, Luuka, and Namayingo districts supported by the Strengthening TB and HIV & AIDS Responses in East Central Uganda (STAR-EC). STAR-EC is a USAID-funded, district-based program that works in communities and health facilities to increase access to, coverage of, and utilisation of quality and comprehensive HIV and tuberculosis (TB) prevention, care, and treatment services. The results from the assessment were to be used to:

1. Inform STAR-EC scale-up plans for NACS services, particularly at OTC sites that use RUTF provided by USAID's Production for Improved Nutrition (PIN) project.
2. Identify gaps that prevent smooth implementation of NACS so that they can be addressed by health facility staff and supported by STAR-EC.

### Objective of the Assessment

The objective of the assessment was to determine the readiness of Kidera Health Center IV (HC IV) (Buyende district), Kiyunga HC IV (Luuka district), and Buyinja HC IV (Namayingo district) to deliver NACS OTC services.

### Methodology

The assessment for NACS services took place from October 22 to October 24, 2013. It was conducted in three HC IV facilities supported by STAR-EC in the districts of Buyende, Luuka, and Namayingo using a structured questionnaire for health providers that was developed by FANTA and adapted for Uganda (Appendix 1). The questionnaire examined general health facility information (human and infrastructure capacity), availability of nutrition materials and supplies, facility nutrition equipment, store management, and ordering and reporting.

The assessment was coordinated and led by FANTA. To ensure ownership of results from stakeholders, the field activity preparations and assessment were jointly conducted with the nutrition focal persons from the STAR-EC project, MOH (Jinja Regional hospital), and FANTA. Efforts were made to select assessment team members that had expertise and experience in implementation of NACS, research methods, and health facility functionality in Uganda. Roles, responsibilities, and cost sharing were established in advance. FANTA provided questionnaires, participated in data collection, conducted data analysis, and wrote the report. STAR-EC managed on-the-ground mobilisation, participated in data collection, and provided financial support to MOH participants. MOH participated in data collection and report review. After data collection, the assessment team met with health facility and STAR-EC staff to provide initial recommendations on urgent issues that needed to be addressed at each facility.

The questionnaire respondents were health care providers involved in the implementation of NACS in the three selected health facilities. Verbal consent was obtained from all respondents and health facility leadership. No personal identifying information was collected to help ensure confidentiality and anonymity of all responses.

### **Data Analysis and Reporting**

Raw data was entered, cleaned, and tallied using an Excel spreadsheet, and then scored and summarised under thematic areas of: general health facility information (human and infrastructure capacity), availability of nutrition materials and supplies, facility nutrition equipment, store management, and ordering and reporting. The scores were converted to percentages and presented in a dashboard for ease in determining the current state of performance and identifying areas that need urgent attention/support.

### **Findings**

Kidera HC IV, Kiyunga HC IV and Buyinja HC IV had each received intermittent supplies of a locally produced RUTF called RUTAFa from the closest district hospitals, which receive RUTAFa from the PIN project. This was an informal, local arrangement facilitated by STAR-EC because the distance from the HC IVs to the hospital made it very costly for malnourished clients who were referred for OTC to access the hospitals, potentially leading clients to turn down referrals.

Data analysis revealed several overall findings:

- Kidera HC IV met the minimum requirements for the provision of NACS services and was ready for RUTF placement.
- Kiyunga HC IV and Buyinja HC IV did not meet the minimum requirements for placement of RUTF. These health facilities require more effort and support so that they can offer NACS services and RUTF can be placed. If placement of RUTF is to continue, the working arrangement between the health facilities should be formalised to enhance responsibility and accountability.

Findings and recommendations are presented below, by health facility. Actual data collected per health unit showing performance by key thematic area investigated is found in Annex 1.

### **General Health Facility Information**

#### ***Kidera HC IV, Buyende District***

Kidera HC IV is a government-owned health facility located 54 km from Kamuli Mission Hospital, on a *muram* road. It would cost a patient UGX 17,000 (US\$6.70) for travel to and from Kamuli Mission Hospital to receive OTC services, including accessing RUTF. The health facility has two and three staff people who were trained in nutrition and quality improvement (QI), respectively, in the 2 years preceding the assessment. The Senior Nursing Officer, who doubles as the nutrition focal person, was last trained in nutrition more than 2 years ago. The facility has been receiving RUTAFa from Kamuli Mission Hospital through a local arrangement with support from STAR-EC. There is no functional lactation clinic, and a health facility QI team was formed approximately 1 month prior the assessment.

#### ***Kiyunga HC IV, Luuka District***

Kiyunga HC IV is a government-owned health facility located 32 km from Iganga Hospital. It would cost a patient UGX 10,000 (US\$3.94) to travel from Kiyunga HC IV to pick up RUTF from Iganga Hospital when referred there. The facility had no staff trained in nutrition in-service short courses, but had four trained in QI in the 2 years preceding the assessment. The facility has been providing RUTAFa obtained from Iganga Hospital via a local arrangement with support from STAR-EC to

malnourished patients and had a functional QI team with evidence of minutes of monthly meetings. The facility had neither a nutrition focal person nor a functional lactation clinic.

### **Buyinja HC IV, Namayingo District**

Buyinja HC IV is a government-owned health facility located 40 km from Bugiri Hospital, where the health facility receives RUTF (RUTAFAs) via a local arrangement with support from STAR-EC. It would cost a patient UGX 15,000 (US\$5.90) to travel from Buyinja to Bugiri Hospital if referred to access RUTAFAs. The health facility had two staff trained in nutrition.

### **Detailed Findings**

The assessment findings for materials and supplies, nutrition equipment, and store management are discussed in Table 1.<sup>1</sup>

**Table 1. Assessment Findings in the Three Health Facilities of Kidera, Kiyunga, and Buyinja**

|   | Kidera HC IV   | Kiyunga HC IV   | Buyinja HC IV  |
|---|--|---|--|
| <b>Materials and Supplies</b>               |  |   |  |
| Guidelines                                  | The facility had only two of the five (40%) key national nutrition guidelines.   | The facility had only two of the five (40%) key national nutrition guidelines.  | The facility had only two of the five (40%) key national nutrition guidelines.   |
| Counselling cards/materials and job aids    | Three of the five (60%) counselling cards/materials and job aids were available.   | The facility had less than half (2/5, 40%) of the counselling cards/materials and job aids.   | The facility had only one of the required five counselling cards/materials and job aids (20%).   |
| Nutrition status indicator reference charts | The facility had one of the three required nutrition status indicator reference charts (33%), the weight-for-height z-score table.   | The facility had none of the three nutrition status indicator reference charts (0%).  | The facility had none of the three nutrition status indicator reference charts (0%).   |
| M&E and logistics tools                     | The facility had complete records (100%) of OTC activities and improvised where official registers were not available by using counter books and other health facility templates (e.g., order forms) and by adding an extra column in the available register to capture OTC data elements. | Despite the absence of many data capture and reporting tools, data related to seven of eight OTC elements were captured by improvising on the available registers, general requisition forms, and tools. The facility lacked bimonthly report forms and did not track these data through other methods. | The facility had less than half (38%) of the required data capture and reporting tools. The facility did have the OTC/ITC register, stock cards, and mother child passports. |

<sup>1</sup> Details of what is included in each of the categories in Table 1 can be found in Annex 1.

|                            | Kidera HC IV   | Kiyunga HC IV   | Buyinja HC IV  |
|----------------------------|--|---|--|
| QI tools                   | Despite the absence of the QI coaching guide and documentation journals, QI charts and graphs were displayed, especially in the maternity ward, an indication of a functional QI team (33%).   | The facility had no QI coaching guide and no QI documentation journals, and no QI charts and graphs displayed in the facility (0%).   | The facility had no QI coaching guide and no QI charts and graphs displayed. However, the facility had QI documentation journals (33%).  |
| Nutrition IEC materials    | Nutrition IEC materials, including booklets, flip-charts, brochures, and training manuals were available on 10 of the 12 required topics (83%). Even though the facility reported conducting food demonstrations, it lacked a food demonstration kit. The nutrition focal person reported using her personal utensils to conduct food demonstrations.                | The facility had very few IEC materials on the listed nutrition topics (33%). The available materials had information related to iodine deficiency, breastfeeding, general nutrition, and nutrition for PLHIV/TB clients.   | The facility had very few IEC materials on the listed nutrition topics (25%). The available materials had information related to complementary feeding, breastfeeding, and nutrition for PLHIV/TB clients.   |
| <b>Nutrition Equipment</b> |  |   |  |
| Anthropometric equipment   | The facility had three adult weighing scales and all were functional. There were four functional child weighing scales and one functional infantometer. However, the health workers did not know how to use it. There were nine mid-upper arm circumference (MUAC) tapes with at least one for each age category. The facility did not have any adult height boards. | There was only one adult weighing scale and it was functional. There were 10 child weighing scales, all of which were functional. There was one adult height board, and it was functional. There were no child length/height boards. There were 21 MUAC tapes available, some for each age group. | The facility had eight adult weighing scales and one was not functioning. The facility had one electronic infant scale and one salter scale. All the child scales were functioning. The facility had one functional infantometer for measuring infant's length/height. The facility had 32 MUAC tapes, but lacked MUAC tapes for the 6–10 year age category. The facility also had no adult height boards or child length/height boards. |
| <b>Store Management</b>    |  |   |  |
| General store management   | The health facility had excellent general store management practices. It was clean, dry, and free from insects and rodents. The supplies were off the ground. Despite the RUTF stock-out, the store had pallets.   | The facility's store was not well ventilated, had insects and rodents, and stock cards were available but not used to account for supplies.   | The facility's store roof was leaking and supplies were placed close to the wall. The store was disorganised, it was difficult to figure out what was stored where, and the goods labelling and record keeping were poor. There was no RUTF in the store at the time of the visit.   |

|  | Kidera HC IV  | Kiyunga HC IV  | Buyinja HC IV   |
|--|---|--|---|
| Storage of therapeutic and supplementary foods | RUTF had been out of stock since June 2013.   | The RUTF had been out of stock since July 2013.  | There was no RUTF in the store. (The only remaining 24 sachets were found in the HIV clinic.)   |
| <b>Ordering and Reporting</b>                  |   |  |   |
| Ordering and reporting                         | The facility receives RUTF from Kamuli Mission Hospital. The facility staff was knowledgeable in ordering and reporting of the RUTF. However, the health facility experiences stock-out caused by delays. | The staff did not know how to order and report on the commodity. The health facility depended on a nutritionist from Iganga Hospital, who used to order, dispense, and report on the RUTF. | The staff responsible for store management and reporting was not at the site at the time of the assessment. The staff members we interacted with were not familiar with how ordering and reporting of RUTAFAs was done. |

**Table 2. Summary of Findings\***

| Capacity in NACS/IYCF/QI                                | Kidera HC IV (Government) | Kiyunga HC IV (Government) | Buyinja HC IV (Government) |
|---|---------------------------|----------------------------|----------------------------|
| Availability of guidelines                              | 2/5                       | 2/5                        | 2/5                        |
| Counselling cards/materials and job aids                | 4/6                       | 3/6                        | 3/6                        |
| Nutrition status indicator reference charts             | 1/3                       | 0/3                        | 0/3                        |
| M&E and logistics tools                                 | 8/8                       | 7/8                        | 3/8                        |
| QI tools  | 1/3                       | 0/3                        | 0/3                        |
| Nutrition information and education materials           | 10/12                     | 4/12                       | 3/12                       |
| Functional adult weighing scales?                       | Yes                       | Yes                        | Yes                        |
| Functional adult height boards?                         | No                        | Yes                        | No                         |
| Functional infant and young child weighing scales?      | Yes                       | Yes                        | No                         |
| Functional infant and young child height/length boards? | Yes                       | No                         | Yes                        |
| Number of colour-coded MUAC tapes                       | 9                         | 21                         | 32                         |
| General store management                                | 9/9                       | 6/9                        | 5/9                        |
| Storage of therapeutic foods                            | N/A                       | N/A                        | N/A                        |
| General ordering and reporting                          |                           |                            |                            |

\* Red (dark grey) indicates less than 50% of the required, yellow (light grey) between 50% and 70% of the required, green (medium grey) between 71% and 100% of the required, and white not applicable/information missing.

## Conclusions and Recommendations

Kidera HC IV meets minimum requirements for delivery of NACS services, especially operating a functional OTC program for malnourished patients. It is recommended that RUTAFAs be placed at the health facility and that the health facility be supported through regular monitoring and that it receive support supervision from STAR-EC and MOH to maintain or even surpass the observed good performance.

Kiyunga HC IV does not meet the minimum requirements for delivery of NACS services, especially operating a functional OTC program for malnourished patients. It is recommended that health workers' capacity in nutrition, store management, ordering, and reporting be increased through training, coaching, mentorship, and support supervision. The health facility needs to be stocked with

basic nutrition IEC and reference materials; anthropometric equipment; and tools, including registers and ordering and reporting forms. A reassessment is recommended prior to placement of RUTF.

Buyinja HC IV did not meet minimum requirements for delivery of NACS services, especially operating a functional OTC program for malnourished patients. The distribution of RUTF, including dosing, was not done according to national protocol. It is recommended that the capacity in terms of health worker training, mentorship, and coaching be increased in nutrition and QI, store management, and ordering and reporting of nutrition supplies and commodities; provision of nutrition-related guidelines; nutrition IEC and reference materials, including job aids; and provision of child and adult height boards. A reassessment is recommended before RUTF placement.

## Annex 1. Sample Completed NACS Assessment Questionnaire

|  | Data Element   | Health Facilities      |         |         | Coding   | Comment |
|--|--|------------------------|---------|---------|--|---------|
|  |  | Kidera                 | Kiyunga | Buyinja |  |         |
| <b>A. General Health Facility Information</b>      |  |                        |         |         |  |         |
| A01  | Type of facility   | 4                      | 4       | 4       | 4 = HC IV  |         |
| A02  | Health facility ownership  | 1                      | 1       | 1       | 1 = Government-owned   |         |
| A03  | No. of health workers trained in NACS/IMAM   | 2                      | 0       | 2       |  |         |
| A04  | No. of health workers trained in IYCF/BFHI   | 0                      | 0       | 0       |  |         |
| A05  | No. of health workers trained in QI  | 3                      | 4       | 4       |  |         |
| A06  | Provision of specialized food products   | 1                      | 2       | 1       | 1 = Currently providing<br>2 = Ever provided in the past 2 years |         |
| A07  | Type of therapeutic and supplementary food used in the facility in the past 2 years  | 3                      | 3       | 3       | 3 = RUTAFA   |         |
| A08  | Does the health facility have a functional lactation clinic?   | 0                      | 0       | 0       | 0 = No   |         |
| A09  | Does the health facility have a nutrition focal person?  | 1                      | 0       | 0       | 0 = No<br>1 = Yes  |         |
| A10  | If yes to A09, cadre of the nutrition focal person   | Senior Nursing Officer | N/A     | N/A     |  |         |
| A11  | Does the health facility have a functional QI team?  | 0                      | 1       | 0       | 0 = No<br>1 = Yes  |         |
| <b>B. Availability of Materials and Supplies</b>   |  |                        |         |         |  |         |
| <b>Guidelines</b>                                  |  |                        |         |         |  |         |
| B01  | Nutrition Care and Support for People Living with HIV/AIDS in Uganda: Guidelines for Service Providers. MOH, 2006.   | 1                      | 0       | 1       | 0 = No<br>1 = Yes  |         |
| B02  | National Guidelines for the Integrated Management of Acute Malnutrition (IMAM). MOH, 2010.   | 1                      | 0       | 0       |  |         |
| B03  | Maternal Nutrition Guidelines. MOH, 2012.  | 0                      | 0       | 0       |  |         |
| B04  | Infant and young Child Feeding Policy Guidelines, 2nd ed. MOH, 2012.   | 0                      | 1       | 0       |  |         |
| B05  | Attaining a Baby-Friendly Status: Role of Health Workers in Implementing the 16 Steps to Successful Infant Feeding, Promoting, Supporting and Protecting Breastfeeding through the Baby-Friendly Health Facility Initiative. | 0                      | 1       | 1       |  |         |
| <b>Counselling Cards/Materials</b>                 |  |                        |         |         |  |         |
| B06  | Infant and Young Child Feeding National Counselling Cards for Health Workers. MOH, 2009.   | 1                      | 1       | 0       | 0 = No<br>1 = Yes  |         |
| B07  | Question and answer guide: IYCF with a special focus on HIV/AIDS: Reference Tools for Counsellors. MOH, 2009.  | 0                      | 0       | 0       |  |         |
| <b>Job Aids</b>                                    |  |                        |         |         |  |         |
| B08  | Nutrition for PLHIV booklet. MOH, 2006.  | 0                      | 0       | 0       | 0 = No<br>1 = Yes  |         |
| B09  | Nutrition care and support for PLHIV: Health facility job aids. MOH, 2009.   | 1                      | 1       | 0       |  |         |
| B10  | Nutrition for people living with HIV/AIDS counselling cards. MOH, 2009.  | 1                      | 0       | 1       |  |         |
| <b>Nutrition Status Indicator Reference Charts</b> |  |                        |         |         |  |         |
| B11  | BMI chart (coloured)   | 0                      | 0       | 0       | 0 = No<br>1 = Yes  |         |
| B12  | Weight-for-height z-score table  | 1                      | 0       | 0       |  |         |
| B13  | MUAC chart   | 0                      | 0       | 0       |  |         |

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|  | Data Element  | Health Facilities |         |         | Coding   | Comment  |
|--|---|-------------------|---------|---------|--|--|
|  |   | Kidera            | Kiyunga | Buyinja |  |  |
| <b>M&amp;E and Logistics Tools</b>                   |   |                   |         |         |  |  |
| B14  | OTC/ITC register  | 1                 | 1       | 1       | 0 = No<br>1 = Yes  | A code of "1" indicates that the facility had the relevant tool or that the facility recorded the relevant data through other means. |
| B15  | OTC/ITC bimonthly report form                                       | 1                 | 0       | 0       |  |  |
| B16  | Dispensing log  | 1                 | 1       | 0       |  |  |
| B17  | Requisition form  | 1                 | 1       | 0       |  |  |
| B18  | Stock cards   | 1                 | 1       | 1       |  |  |
| B19  | OTC administration, food prescription, and discharge criteria chart | 1                 | 1       | 0       |  |  |
| B20  | Mother child passport/child health card                             | 1                 | 1       | 1       |  |  |
| B21  | Outpatient care (OTC) client cards                                  | 1                 | 1       | 0       |  |  |
| <b>Quality Improvement Tools</b>                     |   |                   |         |         |  |  |
| B22  | QI coaching guide   | 0                 | 0       | 0       | 0 = No<br>1 = Yes  |  |
| B23  | QI documentation journals   | 0                 | 0       | 1       |  |  |
| B24  | QI charts/graphs displayed  | 1                 | 0       | 0       |  |  |
| <b>Nutrition Information and Education Materials</b> |   |                   |         |         |  |  |
| B25  | Vitamin A deficiency  | 1                 | 0       | 0       | 0 = No<br>1 = Yes  |  |
| B26  | Anaemia/iron deficiency   | 1                 | 0       | 0       |  |  |
| B27  | Iodine deficiency   | 1                 | 0       | 0       |  |  |
| B28  | Breastfeeding   | 1                 | 1       | 1       |  |  |
| B29  | Complementary feeding   | 1                 | 1       | 1       |  |  |
| B30  | Child immunization schedule   | 1                 | 0       | 0       |  |  |
| B31  | Oral rehydration therapy  | 0                 | 0       | 0       |  |  |
| B32  | General nutrition   | 1                 | 1       | 0       |  |  |
| B33  | Nutrition for PLHIV/TB clients                                      | 1                 | 1       | 1       |  |  |
| B34  | Water, sanitation, and hygiene                                      | 1                 | 0       | 0       |  |  |
| B35  | Maternal nutrition guidelines                                       | 1                 | 0       | 0       |  |  |
| B36  | Food demonstration kit  | 0                 | 0       | 0       |  |  |
| <b>C. Facility Equipment</b>                         |   |                   |         |         |  |  |
| C01  | No. of adult weighing scales  | 3                 | 1       | 8       |  |  |
| C02  | Are all the adult weighing scales functioning and accurate?         | 2                 | 2       | 1       | 0 = not functioning<br>1 = some functioning<br>2 = all functioning |  |
| C03  | No. of child weighing scales  | 4                 | 10      | 2       |  |  |
| C04  | No. of child weighing scales functioning and accurate               | 2                 | 2       | 0       | 0 = not functioning<br>1 = some functioning<br>2 = all functioning |  |
| C05  | No. of child length/height boards (infantometer)                    | 1                 | 0       | 1       |  |  |
| C06  | Are all child length/height boards functioning?                     | 2                 | 0       | 2       | 0 = not functioning<br>1 = some functioning<br>2 = all functioning |  |
| C07  | No. of adult height boards  | 0                 | 1       | 0       |  |  |
| C08  | Are all the adult height boards functioning?                        | 0                 | 2       | 0       | 0 = not functioning<br>1 = some functioning<br>2 = all functioning |  |
| C09  | No. of non-colour-coded (white) MUAC tapes                          | 0                 | 0       | 0       |  |  |
| C10  | No. of colour-coded MUAC tapes for children                         |                   |         |         |  |  |
| a  | No. of colour-coded MUAC tapes Children 6–59 months                 | 4                 | 7       | 13      |  |  |
| b  | No. of colour-coded MUAC tapes Children 6–10 years                  | 1                 | 1       | 0       |  |  |
| c  | No. of colour-coded MUAC tapes Children 11–< 18 years               | 1                 | 8       | 15      |  |  |

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|  | Data Element  | Health Facilities |                  |         | Coding   | Comment |
|--|---|-------------------|------------------|---------|--|---------|
|  |   | Kidera            | Kiyunga          | Buyinja |  |         |
| C11  | No. of colour-coded MUAC tapes for pregnant women and adults                                  | 3                 | 5                | 4       |  |         |
| <b>D. Store Management</b>                 |   |                   |                  |         |  |         |
| <b>General Store Management</b>            |   |                   |                  |         |  |         |
| D01  | The storage room is clean and dry   | 1                 | 1                | 0       | 0 = No<br>1 = Yes  |         |
| D02  | Ventilation is adequate   | 1                 | 0                | 1       |  |         |
| D03  | Medicines and supplies are stored away from the floors and walls                              | 1                 | 1                | 0       |  |         |
| D04  | The storage area is free from insects and rodents   | 1                 | 0                | 1       |  |         |
| D05  | The storage area is secured with lock and key, with access limited only to authorized persons | 1                 | 1                | 1       |  |         |
| D06  | The storage space is adequate for the current stocks  | 1                 | 1                | 1       | 0 = No<br>1 = Yes<br>2 = Don't have stock                  |         |
| D07  | Stock cards are used to account for supplies of therapeutic and supplementary food in storage | 1                 | 0                | 0       | 0 = No<br>1 = Yes  |         |
| D08  | Stock cards are updated at the time of visit  | 1                 | 1                | 1       |  |         |
| D09  | Medicines and supplies are stored according to first-ended, first out (FEFO)                  | 1                 | 1                | 0       |  |         |
| <b>Therapeutic and Supplementary Foods</b> |   |                   |                  |         |  |         |
| D10  | Therapeutic/supplementary food stored according to FEFO                                       | N/A               | N/A              | N/A     |  |         |
| D11  | Are protected from sunlight throughout the day?   | N/A               | N/A              | N/A     |  |         |
| D12  | Are stored away from the floors and walls?  | N/A               | N/A              | N/A     |  |         |
| D13  | Damaged foods are stored separately from usable stock   | N/A               | N/A              | N/A     |  |         |
| D14  | Are any foods expired?  | N/A               | N/A              | N/A     |  |         |
| D15  | Are any packets/tins leaking, dented/broken?  | N/A               | N/A              | N/A     |  |         |
| D16  | Is there a current stock-out?   | N/A               | N/A              | N/A     |  |         |
| D17  | Has there been any stock-out?   | N/A               | N/A              | N/A     |  |         |
| D18  | If yes to D17, specify cycle  | N/A               | N/A              | N/A     |  |         |
| <b>E. Ordering and Reporting</b>           |   |                   |                  |         |  |         |
| E01  | How do you determine the amount of food available in the health facility?                     | 0                 | 5                |         | 5 = N/A<br>0 = Nothing was entered                         |         |
| E02  | How do you place the orders for therapeutic foods?  | 1                 | 2                |         | 1 = Fill out a form<br>2 = Make a telephone call           |         |
| E03  | Where do you send the requisition?  | 1                 | 2                |         | 1 = Supervisor<br>2 = District level<br>3 = Regional level |         |
| E04  | How often you order for therapeutic foods?  | 4                 | 0                |         | 0 = No answer<br>4 = Every 3 months                        |         |
| E05  | How long does it take after you send the order to receive it?                                 | 2                 | 1                |         | 1 = Less than 2 weeks<br>2 = 2 weeks to 1 month            |         |
| E06  | Challenges in ordering and receiving foods  | 1                 | 1                |         | 1 = No challenges  |         |
| E07  | Has this facility ever had any stock-outs?  | 1                 | 1                |         | 0 = No<br>1 = Yes  |         |
| E08  | Who fills out the monthly consumption report?   | 3                 | Record Assistant |         | 3 = Nurse  |         |
| E09  | When did this facility submit the most recent monthly consumption report?                     | 1                 | 99               |         | 1 = Last month<br>99 = N/A                                 |         |
| E10  | Challenges faced  | 0                 |                  |         | 0 = No challenges  |         |