



Basic Information Document

***Malawi
High-Frequency Phone Survey on COVID-19
(HFPS COVID-19)***

Version 4 (Updated on December 04, 2020)

ACRONYMS

CATI	Computer Assisted Telephone Interview
HFPS	High Frequency Phone Survey
IHPS	Integrated Household Panel Survey
LSMS-ISA	Living Standards Measurement Study – Integrated Surveys on Agriculture
NSO	National Statistical Office
WB	World Bank

Table of Contents

Version 4 (Updated on December 04, 2020)	1
ACRONYMS	2
Table of Contents	3
Introduction	4
The Survey Instruments	5
Table 2-1: HFPS COVID-19 Baseline Questionnaire	5
Baseline Sample and Weights	6
3.1 Survey Sample	6
3.2 Survey Weights	7
3.3 Respondent Selection.	8
Training of Interviewers for the Survey	8
Field Work	10
5.1 Organization of Fieldwork	10
5.2 Gift to Households	10
5.3 Pre-loaded Information	10
5.4 Respondents	10
Data Management and Description of Datasets	11
6.1 Data Management	11
6.1.1 CATI	11
6.1.2 Data Communication System	11
6.1.3 Data Cleaning	11
6.2 Description of Datasets	11
Table 6-1: Datasets	12
6.2.1 Confidential information	12
Using the Data	13
7.1 File Structure	13
7.2 Merging Datasets	13
8.0 Round 2	14
8.1 Overview	14
The Malawi HFPS-COVID 19 was administered from the July 02 – July 20, 16 enumerators made the phone calls from the NSO premises with social distancing and sanitization protocols in place. Most interviews were conducted from the call center, some interviews that required call backs conducted from the enumerators’ homes.	14
8.2 Sample	14
8.2.1 Weights	14
8.3 Survey Instruments	14
Table 8-3: HFPS COVID-19 Round 2 Questionnaire	15

8.4 Description of Datasets	16
Table 8-4: Datasets	17
Table 8-5: Baseline to Round 2 Comparison.....	17
9.0 Round 3	19
9.1 Overview	19
The Malawi HFPS-COVID 19 was administered from the August 12 – September 03, 16 enumerators made the phone calls from the NSO premises with social distancing and sanitization protocols in place. Most interviews were conducted from the call center, some interviews that required call backs conducted from the enumerators’ homes.....	19
9.2 Sample.....	19
9.2.1 Weights	19
9.3 Survey Instruments	19
Table 9-3: HFPS COVID-19 Round 3 Questionnaire	20
9.4 Description of Datasets.....	21
Table 9-4: Datasets	22
Table 9-5: Round 2 to Round 3 Comparison.....	22
10.0 Round 4.....	24
10.1 Overview	24
The Malawi HFPS-COVID 19 was administered from the September 12 – October 01, 16 enumerators made the phone calls from the NSO premises with social distancing and sanitization protocols in place. Most interviews were conducted from the call center, some interviews that required call backs conducted from the enumerators’ homes.....	24
10.2 Sample.....	24
10.2.1 Weights	24
10.3 Survey Instruments	24
Table 10-3: HFPS COVID-19 Round 4 Questionnaire	25
10.4 Description of Datasets.....	26
Table 10-4: Datasets	27
Table 10-5: Round 3 to Round 4 Comparison.....	27

1.0 Introduction

The purpose of this document is to provide detailed information on the Malawi High-Frequency Phone Survey on COVID-19 (HFPS COVID-19) implemented by the Malawi National Statistical Office (NSO) in May-June 2020. This survey is the first wave of a high-frequency phone survey of households. The ability to follow the same households over time makes the HFPS COVID-19 a powerful tool for studying and understanding socio-economic impact of the COVID-19 pandemic in Malawi.

The World Bank is providing support to countries to help mitigate the spread and impact of the new coronavirus disease (COVID-19). One area of support is for data collection to inform evidence-based policies that may help mitigate the effects of this disease. Towards this end, the World Bank is leveraging the Living Standards Measurement Study - Integrated Survey on Agriculture (LSMS-ISA) program to implement high-frequency phone surveys on COVID-19 in 5 African countries – **Malawi**, Ethiopia, Uganda, Tanzania, and Nigeria. This effort is part of a broader first wave of World Bank-supported High Frequency Phone Surveys that can be used to help assess the economic and social implications of the COVID-19 pandemic on households and individuals. As part of this initiative, a World Bank team from the Development Data Group and the Poverty and Equity Global Practice provided technical support to NSO on implementation of the HFPS COVID-19.

Malawi identified the first case of COVID-19 in mid-March. Reported cases and fatalities have been increasing since it was first identified. The government implemented some strict measures to contain the spread of this virus (such as cancelling commercial flights, school closures, decongesting public transport and advising home-based work), a total lockdown of the country was challenged in court by Civil Society Organizations seeking court review of the implications of a lockdown. While the Government is implementing some containment measures, it is important to understand how households in the country are affected and responding to the evolving crises, so that policy responses can be designed well and targeted effectively to reduce the negative impacts on household welfare.

The objective of HFPS COVID-19 is to monitor the socio-economic effects of this evolving COVID-19 pandemic in real time. These data will contribute to filling critical gaps in information that could be used by the Malawian government and stakeholders to help design policies to mitigate the negative impacts on its population. The HFPS COVID-19 in Malawi is designed to accommodate the evolving nature of the crises, including revision of the questionnaire on a monthly basis.

The households were drawn from the sample of households interviewed in 2019 as part of the Integrated Household Panel Survey (IHPS 2019). The IHPS 2019 households were interviewed in 2010, 2013, 2016, and the extensive information collected in the IHPS 2019 just over a year prior to the pandemic provides a rich set of background information on the HFPS COVID-19 households which can be leveraged to assess the differential impacts of the pandemic in the country.

Each month, the households will be asked a set of core questions on the key channels through which individuals and households are expected to be affected by the COVID-19-related restrictions. Food security, employment, access to basic services, coping strategies, and non-labour sources of income are channels likely to be impacted. The core questionnaire is complemented by questions on selected topics that rotate each month. This provides data to the government and development partners in near real-time, supporting an evidence-based response to the crisis.

2.0 The Survey Instruments

The HFPS COVID-19 Baseline consists of one questionnaire. The *Household Questionnaire* was administered to all households in the sample.

Household Questionnaire: The Household Questionnaire provides information on demographics; knowledge regarding the spread of COVID-19; behaviour and social distancing; access to basic services; employment; income loss; food security; concerns; social safety nets and agriculture.

The contents of questionnaire are outlined below.

Table 2-1: HFPS COVID-19 Baseline Questionnaire

Section	Topic	Description
Cover	Cover	Household identifiers and enumerator identifiers
1	Interview Information and Phone Number Roster	Roster of call attempts, result and respondent of call attempt, interview consent, date and time of call back, roster of phone numbers, the information of the person that the listed phone number belongs to
2	Household Roster Update	Roster of members of the household, relationship to the household head, gender, age, marital status, reason for joining the household if new, and reason for leaving the household if left
3	Knowledge Regarding the Spread of COVID-19	Knowledge of coronavirus, measures to reduce the risk of contracting coronavirus, steps taken by the federal/state government to curb the spread of coronavirus, satisfaction at steps taken by the federal/state government and reason for not being satisfied
4	Behaviour and Social Distancing	Behaviour of adopting prevention measures (handwashing and social distancing)
5	Access to Basic Services	Household's access to medicine, soap, cleaning supplies, staple food (Maize, Rice, cassava, Millet, Sesame and sorghum), water for washing hands, medical treatment and financial services (the bank, money agent and the ATM), reason for not being able to access the services, education or

Section	Topic	Description
		learning activities of children at home including contact with children's teachers
6	Employment	Status and information of income-generating activities (wage work, family business and farming), reason for stopped working, reason for not able to perform activities as usual, and reason for reduced revenue from family business
7	Income Loss	Household's sources of livelihood and their status since mid-March
8	Food Security	Household's food security status during the last 30 days
9	Concerns	Concerns over immediate family becoming seriously ill from COVID-19 and household's financial status
11	Social Safety Nets	Type, value and source of assistances that household received from social safety net programs since mid-March
13	Agriculture	Measures taken to ensure safety during Post Harvest activities and disruptions due to COVID-19.
12	Interview Results	Result of interview including observation notes by enumerator regarding the interview, respondent and language of interview

3.0 Baseline Sample and Weights

3.1 Survey Sample

The IHPS conducted in 2019 served as the frame for the HFPS COVID-19. This sample of households is representative nationally as well as by the urban/rural divide. In every visit of the IHPS, phone numbers are collected from interviewed households for all household members and 3 reference persons who are in close contact with the household in order to assist in locating and interviewing households who may have moved in subsequent waves of the survey. This comprehensive set of phone numbers as well as the already well-established relationship between NSO and the IHPS households made this an ideal frame from which to conduct the COVID-19 monitoring survey in Malawi.

Among the 3,181 households interviewed during the IHPS in 2019, 2,337 (73%) provided at least one phone number. Around 85 percent of these households provided a phone number for at least one household member while the remaining 15 percent only provided a phone number for a reference person. Households with only the phone number of a reference person were expected to be more difficult to reach but were nonetheless included in the frame and deemed eligible for selection for the HFPS COVID-19.

To obtain a nationally representative sample for the HFPS COVID-19, the survey aimed to recontact the entire sample of households that had been interviewed during the Integrated Household Panel Survey (IHPS) 2019 round and that had phone numbers for at least one household member or a reference individual.

All 2,337 households that had either a contact for a household member or reference person were contacted in the baseline round of the phone survey. Table 3-1 presents the interview result for the baseline sample. All 2,337 households were successfully contacted. Of those contacted, 74 percent or 1,729 households were fully interviewed. These 1,729 households constitute the final successful sample and will be contacted in subsequent rounds of the survey.

Table 3-1: Result of Interview		
	# of households	% of overall sample
<i>Reached</i>	2337	100
Complete	1729.0	74.0
Partially Complete	4.0	0.2
Refused	10.0	0.4
Language barrier		
<i>Not Reached</i>		
Nobody answering	21.0	0.9
Number does not exist	54.0	2.3
Phone turned off	467.0	20.0
Wrong number (don't know the household)	29.0	1.2
Reference person can't connect to household	23.0	1.0

3.2 Survey Weights

To obtain unbiased estimates from the sample, the information reported by households needs to be adjusted by a sampling weight (or raising factor) w_h . To construct the sampling weights, we follow the steps outlined in Himelein, K. (2014), which outlines eight steps, of which we follow six, to construct the sampling weights for the HFPS-HH:

1. Begin with base weights from the Malawi Integrated Household Panel Survey (IHPS) 2019 for each household
2. Incorporate probability of sub-selection of round 1 unit for each of the phone survey households.
3. Pool the weights in Steps 1 and 2.
4. Derive attrition-adjusted weights for all individuals by running a logistic response propensity model based on characteristics of the household head (i.e. gender, primary language spoken, education, labor force status) and characteristics of the household (household size, food consumption score, assets, financial characteristics).
5. Trim weights by replacing the top three percent of observations with the 98th percentile cut-off point; and
6. Post-stratify weights to known population totals to correct for the imbalances across our sample. In doing so, we ensure that the distribution in the survey matches the distribution in the IHPS.

* Additional technical details and explanations on each of the steps briefly outlined above can be found in

Himelein, K. (2014).

The weights can be found in the cover page data files (secta_Cover_Page). The variable name is wt_baseline.

Table 3-2 below presents the full set of weighted and unweighted estimates across the different samples.

Table 3-2: Sample Composition*				
Characteristic	IHPS		Phone sample	
	Unweighted	Weighted	Unweighted	Weighted
Sample size (successful interviews)	2337		1729	
Average household size	4.71	5.06	4.79	4.97
<i>Household head characteristics</i>				
Female head (%)	24.0	27.1	22.2	29.5
Age	41.4	44.9	41.8	45.6
Literate (%)	86.1	81.9	88.4	76.7
<i>Asset ownership</i>				
Mobile phone	83.7	81.8	88.5	79.2
Television	24.2	21.5	27.5	17.0
Refrigerator	12.9	11.6	14.7	8.6
Car	4.7	3.6	5.6	3.1
Generator	1.9	1.6	2.0	1.2
<i>IHPS PCA Index Based Wealth Quintiles</i>				
Q1	10.8	9.3	7.9	14.9
Q2	15.8	16.2	13.7	18.1
Q3	21.7	23.8	20.8	25.0
Q4	24.8	26.9	26.7	22.8
Q5	26.9	23.8	30.9	19.2

* Based on information from the IHPS only.

3.3 Respondent Selection.

The phone numbers of all adults (*head or couple if not adult*), were randomly sorted; and then the reference contacts were added at the end of this list since order of priority was household member contact then reference contact.

This list was then populated into the CATI roster and the enumerators called the numbers in the order that they were prefilled to reach the household. The first contact through which the enumerator is able to get consent from the household to conduct the interview is the designated as the principle contact for the follow up rounds if the respondent indicates that it is the best contact to reach him or her.

4.0 Training of Interviewers for the Survey

Personnel were selected from the pool of NSO interviewers that have experience with the Survey Solutions platform and have previously conducted IHPS surveys. A total of 16 interviewers plus 4 replacements and 2 supervisors were trained at the NSO premises to conduct the survey. The training lasted 2 days and focused on providing participants with detailed understanding of the survey and the Computer Assisted Telephone Interview (CATI) techniques, elucidation of important concepts and questions in the questionnaire. The training was led by the World Bank team with additional inputs provided by the NSO coordinators. Following the training, the interviewers carried out mock interviews in order to become more familiar with the questionnaire and interviewing techniques before interviewing respondents. After the mock interviews, a 1-day pilot was conducted with households from the Integrated Household Survey sample. Each interviewer conducted around 4 interviews during the pilot.

5.0 Field Work

5.1 Organization of Fieldwork

The HFPS COVID-19 Baseline was administered between May 26 and June 14, 2020. Data were collected by trained NSO interviewers who individually made phone calls from the call centre at the NSO. Since the country was not fully on lockdown during the preparation and data collection exercise, interviewers were allowed to be in the office after seeking permission from the local authorities and also taking measures to protect themselves like ensuring 2 meters space between individuals. Most interviews were conducted from the call center, some interviews that required call backs conducted from the enumerators' homes.

5.2 Gift to Households

As a show of appreciation for the households' participation, all households that gave consent to be interviewed, were transferred 1000 Malawi Kwacha credit to their phones (even if their interviews are only partially completed).

5.3 Pre-loaded Information

Basic information on every household was pre-loaded in the CATI assignments for each interviewer. The information was pre-loaded to (1) assist interviewers in calling and identifying the household and (2) ensure that each pre-loaded person is properly addressed and easily matched to the most recent face-to-face visits. Basic household information (location, household head name, phone numbers of adult members and reference persons, etc.) was pre-loaded. The list of individuals from IHPS 2019 and their basic characteristics were uploaded.

5.4 Respondents

The HFPS COVID-19 had ONE RESPONDENT per household. The respondent was the household knowledgeable adult household member or head of the household. The respondent must be a member of the household. Unlike many other household surveys, interviewers were not expected to seek out other household members to provide their own information. The respondent may still consult with other household members as needed to respond to the questions, including to provide all the necessary information on each household member.

6.0 Data Management and Description of Datasets

6.1 Data Management

6.1.1 CATI

The HFPS COVID-19 Baseline exercise was conducted using Computer Assisted Telephone Interview (CATI) techniques. The household questionnaire was implemented using the CATI software, Survey Solutions. The Survey Solutions software was developed and maintained by the Data Analytics and Tools Unit within the Development Economics Data Group (DECDG) at the World Bank. Each interviewer was given one tablet, which they used to conduct the interviews. Overall, implementation of survey using Survey Solutions CATI was highly successful, as it allowed for timely availability of the data from completed interviews.

6.1.2 Data Communication System

The data communication system used in the HFPS COVID-19 Baseline was highly automated. Since enumerators were working from the call center, the NSO provided routers for them to connect to whenever they wanted to sync data. This ensured access to the data in real-time.

6.1.3 Data Cleaning

The data cleaning process was done in two main stages. The first stage was to ensure proper quality control during the fieldwork. This was achieved in part by incorporating validation and consistency checks into the Survey Solutions application used for the data collection and designed to highlight many of the errors that occurred during the fieldwork.

The second stage of cleaning involved a comprehensive review of the final raw data following the first stage of cleaning. Every variable was examined individually for (1) consistency with other sections and variables, (2) out of range responses, and (3) formatting.

6.2 Description of Datasets

These modules were administered in the HFPS COVID-19 Baseline survey.

- Household Roster
- Knowledge Regarding the Spread of COVID-19
- Behaviour and Social Distancing
- Access to Basic Services
- Employment
- Income Loss
- Food Security
- Concerns
- Social Safety Nets
- Agriculture

Table 6-1 show the sections of the Questionnaire and their corresponding datasets.

Table 6-1: Datasets

Section	Section Name	Dataset Filename
Cover	Cover	secta_Cover_Page_r1
1	Interview Information	sect1_Interview_Info_r1
		sect1b_phone_number_roster_r
2	Household Roster Update	sect2_Household_Roster_r1
3	Knowledge Regarding the Spread of COVID-19	sect3_Knowledge_r1
4	Behaviour and Social Distancing	sect4_Behavior_r1
5	Access to Basic Services	sect5_Access_r1
6	Employment	sect6_Employment_r1
7	Income Loss	sect7_Income_Loss_r1
8	Food Security	sect8_food_security_r1
9	Concerns	sect9_Concerns_r1
11	Social Safety Nets	sect11_Safety_Nets_r1
12	Interview Results	sect12_Interview_Result_r1
13	Agriculture	sect13_Agriculture_r1

6.2.1 Confidential information

Note that, for purposes of maintaining the confidentiality of the data, all names, phone numbers, and addresses have been removed from the datasets.

7.0 Using the Data

7.1 File Structure

The data should always be used in conjunction with the questionnaire and the interviewer's instruction manual. Where there are no issues of confidentiality, all the variables from the questionnaire have been included in the data sets. In some cases, there is an additional variable which contains the "other specify" information that was written in the questionnaire. So, for example, the other specify variable will be indicated with an “_os” attached to the variable name such as q5_os containing the “other specify” information for a variable q5.

7.2 Merging Datasets

All datasets contain a variable (**y4_hhid**), which is a unique identifier for the household. This variable is used as the unique key variable in the merging of all household type datasets. In some of the other types of datasets, additional key variables may be required in the merging process. In the case of individual type files, the variable that uniquely identifies the individual in the household is **PID**. In order to merge any two individual type files, both the variables **y4_hhid** and **PID** would be used.

Since the IHPS 2019 served as the frame for the HFPS COVID-19 survey, the HFPS COVID-19 Baseline datasets can be merged with the IHPS datasets. The household's unique key variable (**y4_hhid**) is used to merge the household type datasets and the individual's unique key variables (**y4_hhid** and **PID**) are used to merge any individual type files. New individuals added in the HFPS COVID-19 baseline will be identified with a variable **new_member**. It will not be possible to merge these newly added individuals with the IHPS data.

8.0 Round 2

8.1 Overview

The Malawi HFPS-COVID 19 was administered from the July 02 – July 20, 16 enumerators made the phone calls from the NSO premises with social distancing and sanitization protocols in place. Most interviews were conducted from the call center, some interviews that required call backs conducted from the enumerators' homes.

8.2 Sample

Interviewers attempted to contact the 1729 households successfully interviewed during round 1. As shown in Table 8-1, 1,646 households (95% of the 1,729 sample) were contacted and fully interviewed. 7 households outright refused to be interviewed and 2 were partially done. About 4% of the households (74) could not be contacted because mostly the phones were not one during the 9 attempts that were made to contact these households.

Table 8.1: Result of Interview		
	OVERALL	
	# of households	% of overall sample
<i>Reached</i>		
Complete	1646.0	95.2
Partially Complete	2.0	0.1
Refused	7.0	0.4
Language barrier		
<i>Not Reached</i>		
Nobody answering	6.0	0.3
Number does not exist	1.0	0.1
Phone turned off	65.0	3.8
Wrong number (don't know the household)		
Reference person can't connect to household	2.0	0.1

8.2.1 Weights

The weights were adjusted following the same procedures outlined in section 3.2. The round 2 weights can be found in the household-level data file (*secta_Cover_Page_r2*). The variable name is wt_round2.

8.3 Survey Instruments

The HFPS COVID-19 Round 2 consists of one questionnaire. The *Household Questionnaire* was administered to all households in the sample.

Household Questionnaire: The Household Questionnaire provides information on demographics;

knowledge of government efforts in the fight against COVID-19 as well as misconceptions surrounding the virus; behaviour and social distancing; access to basic services; employment; non-farm enterprises; other income inflows in form of remittances to the households; income loss; food security; concerns; shocks and coping strategies and social safety nets.

The contents of questionnaire are outlined below.

Table 8-3: HFPS COVID-19 Round 2 Questionnaire

Section	Topic	Description
Cover	Cover	Household identifiers and enumerator identifiers
1	Interview Information and Phone Number Roster	Roster of call attempts, result and respondent of call attempt, interview consent, date and time of call back, roster of phone numbers, the information of the person that the listed phone number belongs to
2	Household Roster Update	Roster of members of the household, relationship to the household head, gender, age, marital status, reason for joining the household if new, and reason for leaving the household if left
3	Knowledge about government guidelines against COVID-19 and misconceptions about COVID-19.	Satisfaction at steps taken by the federal/state government in the fight against the corona virus. Common misconceptions about the virus, Willingness to adhere to government guidelines put in place to fight the spread of the corona virus.
4	Behaviour and Social Distancing	Behaviour of adopting prevention measures (handwashing and social distancing)
5	Access to Basic Services	Household's access to medicine, soap, cleaning supplies, staple food (Maize, Rice, cassava, Millet, Sesame and sorghum), water for washing hands, medical treatment and financial services (the bank, money agent and the ATM), reason for not being able to access the services, education or

Section	Topic	Description
		learning activities of children at home including contact with children's teachers
6a	Employment	Status and information of income-generating activities (wage work, family business and farming), reason for stopped working, reason for not able to perform activities as usual, and reason for reduced revenue from family business
6b	Non-Farm Enterprises	Household operation of a non-farm enterprise, challenges faced by the enterprise in the face of the COVID-19, strategies to conduct business during the pandemic.
6c	Other Income	Remittances to the household from abroad; from family within the country; from non-family members; Income from property/savings and Pension.
7	Income Loss	Household's sources of livelihood and their status since mid-March
8	Food Security	Household's food security status during the last 30 days
9	Concerns	Concerns over immediate family becoming seriously ill from COVID-19 and household's financial status
10	Shocks and Coping Strategies	Shocks Households have faced since the pandemic outbreak and ways households have dealt with those shocks.
11	Social Safety Nets	Type, value and source of assistances that household received from social safety net programs since mid-March
12	Interview Results	Result of interview including observation notes by enumerator regarding the interview, respondent and language of interview

8.4 Description of Datasets

These modules were administered in the HFPS COVID-19 round 2 survey.

- Household Roster
- Knowledge about government guidelines against COVID-19 and misconceptions about COVID-19
- Behaviour and Social Distancing
- Access to Basic Services
- Employment
- Non-Farm enterprises
- Other Income
- Income Loss
- Food Security
- Concerns
- Shocks and Coping Strategies
- Social Safety Nets

Table 8-4 shows the sections of the Questionnaire and their corresponding datasets.

Table 8-4: Datasets

Section	Section Name	Dataset Filename
Cover	Cover	secta_Cover_Page_r2
1	Interview Information and Phone Number	sect1_Interview_Info_r2
2	Household Roster Update	sect2_Household_Roster_r2
3	Knowledge Regarding the Spread of COVID-19	sect3_Knowledge_r2
4	Behaviour and Social Distancing	sect4_Behavior_r2
5	Access to Basic Services	sect5_Access_r2
6	Employment (Different Respondent)	sect6a_Employment1_r2
6a	Employment (Same Respondent as in Previous Round)	sect6a_Employment2_r2
6b	Non-Farm Enterprises	sect6b_NFE_r2
6c	Other Income	sect6c_OtherIncome_r2
7	Income Loss	sect7_Income_Loss_r2
8	Food Security	sect8_food_security_r2
9	Concerns	sect9_Concerns_r2
10	Shocks and Coping Strategies	sect10_Coping_r2
11	Social Safety Nets	sect11_Safety_Nets_r2
12	Interview Results	sect12_Interview_Result_r2

There were some changes made in the questionnaires between Baseline and Round 2. Table 8-5 outlines these changes.

Table 8-5: Baseline to Round 2 Comparison

Section	Section Name	Notes
Cover	Cover	No changes
1	Interview Information and Phone Number	No changes
2	Household Roster Update	Questions added in Round 2: s2q11_1
3	Knowledge Regarding the Spread of COVID-19	Dropped all Round 1 questions for a new set of Round 2 questions
4	Behaviour and Social Distancing	Questions added in Round 2: s4q7 and s4q8
5	Access to Basic Services	Questions added in Round 2: s5q1a2_1, s5q1a2_2. s5q12 and s5q13.
6	Employment (Different Respondent)	Same structure “Employment” in Round 1, just dropped questions s6q11-s6q14
6a	Employment (Same Respondent as in Previous Round)	Re-organized to have 3 cases based on FILTER for Employment sub-section (Q1-Q10)

6b	Non-Farm Enterprises	Re-organized to have 5 cases based on FILTER for non-farm enterprise sub-section (Q11-Q15b)
6c	Other Income	New Module
7	Income Loss	No changes
8	Food Security	No changes
9	Concerns	Added questions; s9q6, s9q7 and s9q8
10	Shocks and Coping Strategies	New Module
11	Social Safety Nets	Expanded social safety nets categories
12	Interview Results	No changes
13	Agriculture	Dropped for Round 2

9.0 Round 3

9.1 Overview

The Malawi HFPS-COVID 19 was administered from the August 12 – September 03, 16 enumerators made the phone calls from the NSO premises with social distancing and sanitization protocols in place. Most interviews were conducted from the call center, some interviews that required call backs conducted from the enumerators' homes.

9.2 Sample

Interviewers attempted to contact the 1722 households successfully interviewed during round 1. As shown in Table 8-1, 1,624 households (94% of the 1,722 sample) were contacted and fully interviewed. 11 households outright refused to be interviewed and 1 was partially done. About 4% of the households (70) could not be contacted because mostly the phones were not one during the 9 attempts that were made to contact these households. Of the 1624 households interviewed, 1586 have been contacted across all three rounds and 23 were not interviewed during round 2 but were interviewed in round 1.

Table 9.1: Result of Interview		
	OVERALL	
	# of households	% of overall sample
Reached		
Complete	1624.0	94.4
Partially Complete	1.0	0.1
Refused	11.0	0.6
Language barrier		
Not Reached		
Nobody answering	9.0	0.5
Number does not exist		
Phone turned off	70.0	4.1
Wrong number (don't know the household)		
Reference person can't connect to household	5.0	0.3

9.2.1 Weights

The weights were adjusted following the same procedures outlined in section 3.2. The round 3 weights can be found in the household-level data file (*secta_Cover_Page_r3*). The variable name is wt_round3.

9.3 Survey Instruments

The HFPS COVID-19 Round 3 consists of one questionnaire. The *Household Questionnaire* was administered to all households in the sample.

Household Questionnaire: The Household Questionnaire provides information on demographics; behaviour and social distancing; access to basic services; employment; non-farm enterprises; other income inflows in form of remittances to the households; credit/loans taken by the household, income loss; food security; concerns; shocks and coping strategies and social safety nets.

The contents of questionnaire are outlined below.

Table 9-3: HFPS COVID-19 Round 3 Questionnaire

Section	Topic	Description
Cover	Cover	Household identifiers and enumerator identifiers
1	Interview Information and Phone Number Roster	Roster of call attempts, result and respondent of call attempt, interview consent, date and time of call back, roster of phone numbers, the information of the person that the listed phone number belongs to
2	Household Roster Update	Roster of members of the household, relationship to the household head, gender, age, marital status, reason for joining the household if new, and reason for leaving the household if left
4	Behaviour and Social Distancing	Adoption of prevention measures (handwashing and social distancing)
5	Access to Basic Services	Household's access to pre/post-natal care for pregnant women, water for drinking and washing hands, medical appointments with health professionals.

Section	Topic	Description
6a	Employment	Status and information of income-generating activities (wage work, family business and farming), reason for stopped working, reason for not able to perform activities as usual, and reason for reduced revenue from family business
6b	Non-Farm Enterprises	Household operation of a non-farm enterprise, challenges faced by the enterprise in the face of the COVID-19, strategies to conduct business during the pandemic.
6c	Other Income	Remittances to the household from abroad; from family within the country; from non-family members; Income from property/savings and Pension.
6d	Credit	Household's debts status since the beginning of the coronavirus crisis; use of loan, ability to repay loan when their scheduled payment is due
7	Income Loss	Household's sources of livelihood and their status since last call to the household.
8	Food Security	Household's food security status during the last 30 days
9	Concerns	Concerns over immediate family becoming seriously ill from COVID-19 and household's financial status
10	Shocks and Coping Strategies	Shocks Households have faced since the pandemic outbreak and ways households have dealt with those shocks.
11	Social Safety Nets	Type, value and source of assistances that household received from social safety net programs since last call
12	Interview Results	Result of interview including observation notes by enumerator regarding the interview, respondent and language of interview

9.4 Description of Datasets

These modules were administered in the HFPS COVID-19 round 3 survey.

- Household Roster
- Behaviour and Social Distancing
- Access to Basic Services
- Employment
- Non-Farm enterprises
- Other Income
- Credit
- Income Loss
- Food Security
- Concerns
- Shocks and Coping Strategies
- Social Safety Nets

Table 9-4 shows the sections of the Questionnaire and their corresponding datasets.

Table 9-4: Datasets

Section	Section Name	Dataset Filename
Cover	Cover	secta_Cover_Page_r3
1	Interview Information and Phone Number	sect1_Interview_Info_r3
2	Household Roster Update	sect2_Household_Roster_r3
3	Knowledge Regarding the Spread of COVID-19	sect3_Knowledge_r3
4	Behaviour and Social Distancing	sect4_Behavior_r3
5	Access to Basic Services	sect5_Access_r3
6	Employment (Different Respondent)	sect6a_Employment1_r3
6a	Employment (Same Respondent as in Previous Round)	sect6a_Employment2_r3
6b	Non-Farm Enterprises	sect6b_NFE_r3
6c	Other Income	sect6c_OtherIncome_r3
7	Income Loss	sect7_Income_Loss_r3
8	Food Security	sect8_food_security_r3
9	Concerns	sect9_Concerns_r3
10	Shocks and Coping Strategies	sect10_Coping_r3
11	Social Safety Nets	sect11_Safety_Nets_r3
12	Interview Results	sect12_Interview_Result_r3

There were some changes made in the questionnaires between Round 2 and Round 3. Table 9-5 outlines these changes.

Table 9-5: Round 2 to Round 3 Comparison

Section	Section Name	Notes
Cover	Cover	No changes
1	Interview Information and Phone Number	No changes
2	Household Roster Update	Questions added in Round 3: s2q11_1
3	Knowledge Regarding the Spread of COVID-19	Dropped all questions
4	Behaviour and Social Distancing	Questions dropped; s4q4, s4q5 and s4q7
5	Access to Basic Services	Questions added in Round 3: s5q2_2a s5q2_2b s5q2_2c s5q2_2d s5q2_2e, s5q2_2f s5q17 s5q17a. Questions Dropped in Round 3 s5q2 s5q2a s5q2b s5q2c s5q1a3 s5q1b3 s5q1c3 s5q4 s5q5 s5q6a s5q6d s5q6 s5q7 s5q8 s5q9 s5q10 s5q11 s5q12 s5q13

6	Employment (Different Respondent)	No Change
6a	Employment (Same Respondent as in Previous Round)	No Change
6b	Non-Farm Enterprises	Questions added in Round 3; s6bq15c and s6bq15d
6c	Other Income	No Change
6d	Credit	New Module
7	Income Loss	No changes
8	Food Security	No changes
9	Concerns	Dropped questions; s9q6, s9q7 and s9q8. Renamed s9q5
10	Shocks and Coping Strategies	No Changes
11	Social Safety Nets	No Changes
12	Interview Results	No changes

10.0 Round 4

10.1 Overview

The Malawi HFPS-COVID 19 was administered from the September 12 – October 01, 16 enumerators made the phone calls from the NSO premises with social distancing and sanitization protocols in place. Most interviews were conducted from the call center, some interviews that required call backs conducted from the enumerators' homes.

10.2 Sample

Interviewers attempted to contact the 1707 households successfully interviewed during round 1. As shown in Table 10.1, 1,616 households (95% of the 1,709 sample) were contacted and fully interviewed. 3 households outright refused to be interviewed and 1 was partially done. About 5% of the households (79) could not be contacted because mostly the phones were not one during the 9 attempts that were made to contact these households. Of the 1616 households interviewed, 1,548 have been contacted across all four rounds.

Table 10.1: Result of Interview		
	OVERALL	
	# of households	% of overall sample
Reached		
Complete	1616.0	94.7
Partially Complete	1.0	0.1
Refused	3.0	0.2
Language barrier		
Not Reached		
Nobody answering	4.0	0.2
Number does not exist		
Phone turned off	79.0	4.6
Wrong number (don't know the household)		
Reference person can't connect to household	4.0	0.2

10.2.1 Weights

The weights were adjusted following the same procedures outlined in section 3.2. The round 4 weights can be found in the household-level data file (*secta_Cover_Page_r4*). The variable name is wt_round4.

10.3 Survey Instruments

The HFPS COVID-19 Round 4 consists of one questionnaire. The *Household Questionnaire* was administered to all households in the sample.

Household Questionnaire: The Household Questionnaire provides information on demographics;

behaviour and social distancing; access to basic services; employment; non-farm enterprises; other income inflows in form of remittances to the households; credit/loans taken by the household, income loss; agriculture; crop production and sales, livestock production and sales and concerns.

The contents of questionnaire are outlined below.

Table 10-3: HFPS COVID-19 Round 4 Questionnaire

Section	Topic	Description
Cover	Cover	Household identifiers and enumerator identifiers
1	Interview Information and Phone Number Roster	Roster of call attempts, result and respondent of call attempt, interview consent, date and time of call back, roster of phone numbers, the information of the person that the listed phone number belongs to
2	Household Roster Update	Roster of members of the household, relationship to the household head, gender, age, marital status, reason for joining the household if new, and reason for leaving the household if left
4	Behaviour and Social Distancing	Adoption of prevention measures (handwashing and social distancing)
5	Access to Basic Services	Household's access to pre/post-natal care for pregnant women, water for drinking and washing hands, medical appointments with health professionals.

Section	Topic	Description
6a	Employment	Status and information of income-generating activities (wage work, family business and farming), reason for stopped working, reason for not able to perform activities as usual, and reason for reduced revenue from family business
6b	Non-Farm Enterprises	Household operation of a non-farm enterprise, challenges faced by the enterprise in the face of the COVID-19, strategies to conduct business during the pandemic.
6c	Other Income	Remittances to the household from abroad; from family within the country; from non-family members; Income from property/savings and Pension.
6d	Credit	Household's debts status since the beginning of the coronavirus crisis and since the last time the household was called; use of loan, ability to repay loan when their scheduled payment is due
6e	Agriculture	Sales of crops harvested during the 2019/2020 agricultural season. Dimba crop production and livestock production and sales.
7	Income Loss	Household's sources of livelihood and their status since last call to the household.
9	Concerns	Concerns over immediate family becoming seriously ill from COVID-19 and household's financial status
12	Interview Results	Result of interview including observation notes by enumerator regarding the interview, respondent and language of interview

10.4 Description of Datasets

These modules were administered in the HFPS COVID-19 round 3 survey.

- Household Roster
- Behaviour and Social Distancing
- Access to Basic Services
- Employment
- Non-Farm enterprises
- Other Income
- Credit
- Income Loss
- Agriculture
- Concerns

Table 10-4 shows the sections of the Questionnaire and their corresponding datasets.

Table 10-4: Datasets

Section	Section Name	Dataset Filename
Cover	Cover	secta_Cover_Page_r4
1	Interview Information and Phone Number	sect1_Interview_Info_r4
2	Household Roster Update	sect2_Household_Roster_r4
4	Behaviour and Social Distancing	sect4_Behavior_r4
5	Access to Basic Services	sect5_Access_r4
6	Employment (Different Respondent)	sect6a_Employment1_r4
6a	Employment (Same Respondent as in Previous Round)	sect6a_Employment2_r4
6b	Non-Farm Enterprises	sect6b_NFE_r4
6c	Other Income	sect6c_OtherIncome_r4
6d	Credit	sect6d_Credit_r4
6e	Agriculture	sect6e_Agriculture_r4
7	Income Loss	sect7_Income_Loss_r4
9	Concerns	sect9_Concerns_r4
12	Interview Results	sect12_Interview_Result_r4

There were some changes made in the questionnaires between Round 3 and Round 4. Table 10-5 outlines these changes.

Table 10-5: Round 3 to Round 4 Comparison

Section	Section Name	Notes
Cover	Cover	No changes
1	Interview Information and Phone Number	No changes
2	Household Roster Update	No Changes
3	Knowledge Regarding the Spread of COVID-19	Dropped all questions
4	Behaviour and Social Distancing	Questions dropped; s4q9, s4q10, s4q11 and s4q12
5	Access to Basic Services	Questions added in Round 4: s5q2_2j s5q2_2k s5q2_2l s5q18 s5q19 Phrasing changed in Round 4: s5q17 s5q17a s5q17a_ot
6	Employment (Different Respondent)	No Change
6a	Employment (Same Respondent as in Previous Round)	No Change
6b	Non-Farm Enterprises	No Change
6c	Other Income	No Change
6d	Credit	Renamed variables and added new questions

6e	Agriculture	New Module
7	Income Loss	No changes
8	Food Security	Dropped this Module
9	Concerns	No Changes
10	Shocks and Coping Strategies	Dropped this Module
11	Social Safety Nets	Dropped this Module
12	Interview Results	No changes