GE Effects of Cash Transfers: Pre-analysis plan for Endline 2 Local Economy Analyses[1]

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Summary: This document outlines outcomes and regression specifications for estimating the longer-term (4-7 year) effects of unconditional cash transfers on the local economy of the study area as part of the General Equilibrium Effects (GE) project in western Kenya. The project is a two-level randomized controlled trial of the NGO *GiveDirectly*'s unconditional cash transfer program. Transfers were distributed from 2014-16, with a first set of findings described in Egger et al. (2021a). This document describes the analyses that will be conducted to understand long-run effects on enterprises, prices, and macroeconomic aggregates. We specify regression equations and the primary outcomes that we intend to study. This document is part of a series of pre-analysis plans that will be filed as part of the broader second endline activity, and we also discuss how these plans fit together. We anticipate conducting analyses beyond those pre-specified here, and this document is not meant to preclude additional analyses.

Appendix A: List of products for market price surveys
Appendix B: Enterprise survey instrument
Appendix C: Household survey instrument

1.   Introduction

This document outlines the analysis plan for long-run local economy data collected between 2019 - 2022, as part of the General Equilibrium Effects (GE) project, a randomized controlled trial of an unconditional cash transfer program by the NGO *GiveDirectly* (GD). In villages selected for treatment, GD transferred around USD 1,000 (nominal) to all eligible households in the village, about 75% of annual expenditure for recipient households. Our transfers constituted a shock of about 15% of local GDP at the time that they were distributed. Only households with grass-thatched roofs were eligible to receive transfers, a basic means-test for poverty; we find 33% of households eligible in our study area. The intervention involved over USD 11 million in transfers and 653 villages in Siaya County, Western Kenya. Treatment assignment was randomized at the village level, and within treatment villages, all households meeting GD's eligibility requirement received the unconditional cash transfer. A second level of randomization provided variation in treatment intensity: sublocations, an administrative unit directly above the village including about ten villages on average, were randomly assigned to high or low saturation status. In high saturation sublocations, two-thirds of villages were treated, while in low saturation sublocations, only one-third of villages were treated. Figure 1 gives an overview of the study area and experimental design[2].

Figure 1: Study area and experimental design
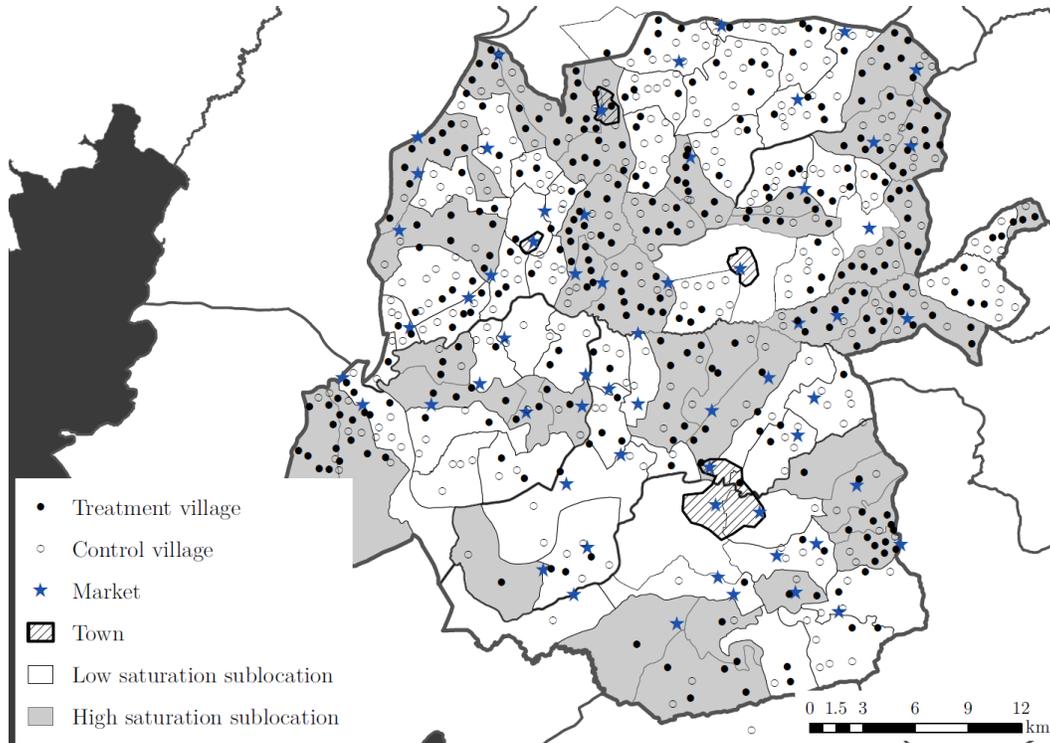
The analyses outlined in this document will be primarily based on a new round of data collected between 2019 - 2022 (Endline 2), roughly 4-7 years after the GD cash transfers went out, as highlighted in the approximate timeline below:

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[2] Additional details on the experimental design and implementation can be found in Egger et al. (2021a) and Haushofer et al. (2017a).

- 2014 - 2015: Baseline (pre-intervention)
- 2014 - 2016: Intervention
- 2014 - 2017: Midline
- 2016 - 2017: Endline 1
- 2019 - 2022: Endline 2

This analysis is primarily focused on data collected as part of Endline 2 (long-run analyses), although where appropriate, we will make use of earlier rounds of data as well. As such, this document draws heavily on previously filed pre-analysis plans and existing working papers, updating earlier specifications and outcomes. These earlier plans are described in section 1.1 below.

We are interested in two broad types of long-run analyses:

i. The long-term welfare impacts of cash transfers on recipient households (and their neighbors) present in our study area at the time of the intervention (the focus of the 'household welfare PAP' that was previously filed)[3], and

ii. the impacts of cash transfers on the local economy more broadly (the focus of this 'local economy PAP')

From a measurement perspective, these differ in their target populations: both include households that have remained in the study area since the intervention, but the former includes households that moved away since the intervention, while the latter includes households and firms that were newly established in the study area after the intervention. In this document, we focus primarily on the impact of cash transfers on the local economy. A previously filed PAP documents our planned analysis of the long-run welfare impacts of the cash transfers on recipient households (Egger et al. 2021b).

We will use data from a full census of enterprises, representative surveys of non-household enterprises, representative household surveys, and monthly market price surveys collected for over 70 goods to study the effect of the transfers on enterprise outcomes and aggregate macroeconomic measures in the study area. Since this PAP is primarily concerned with the effect of the intervention on the local economy and not the recipients of transfers, our sampling frame will generally consist only of households and enterprises located in the study area at Endline 2, including immigrants, and excluding emigrants. This analysis will draw extensively on outcomes defined in Egger et al. (2021a). In particular, we plan to analyze macroeconomic aggregates including expenditure and income based GDP that were considered extensively in the study of the short-term effects of the program. We intend to extend the transfer multiplier from Egger et al. (2021a) up to 4-7 years post-transfer.

There are several key refinements to data collection since Endline 1 that we expect to improve the quality of estimates. Our enterprise and household data are now matched, so that enterprise owners and employees are matched to their households. This enables us to better trace flows of money through the economy, and test for consistency between household and enterprise data. This also makes it possible to combine enterprise information collected as part of the self-employment module for household surveys with enterprise surveys conducted separately. In addition, the enterprise survey has been improved to

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[3] This PAP is available at https://www.socialscienceregistry.org/trials/505

more carefully measure the full cash-flow of enterprises, including refined measurements of revenue, profits and costs, products and prices, as well as imports and exports between study area villages, and transactions with agents outside the study area (income and expenditure). In turn, we will be able to more carefully measure revenue, profits, value added, profit margins, mark-ups and competition. This will allow us to more carefully measure GDP in terms of value added, and properly take into account leakages of income and expenditure into and out of our study area. On the price side, we will now include a wider range of goods, in particular expanding our collection of prices of local services.

We anticipate that the refinements to the enterprise survey and the time elapsed since the cash transfers were distributed will also allow us to study the effect of the capital transfers on microeconomic firm outcomes. With respect to fixed assets, we plan to examine whether the capital stocks of enterprises grew over time and whether capital dynamics are consistent with a poverty trap. We also plan to look at measures of firms' capacity utilization to examine whether the cash transfers reduced slack in production and at measures of agglomeration, competition, and market structure to test for changes in the structure of enterprises. These microeconomic outcomes are considered alongside macroeconomic aggregates in the hope that they will provide insight into the mechanisms through which any changes to aggregate production occur.

In addition to these two plans described above, we currently plan to file two additional pre-analysis plans, one on social networks and connectedness, and another on community engagement and political participation (building on Walker 2019 and Orkin and Walker 2020). Data collected as part of the project is also being used to analyze gender gaps in enterprise operations (Delecourt et al. 2021), though the focus of that plan is less on cash transfer effects.[4] There may also be additional analyses based on this data in the future.

1.1. Relation to previous work

This pre-analysis plan builds on a series of six earlier pre-analysis plans filed for the GE project: One outlining the analyses relating to Endline 1 household data (Haushofer et al. 2017a), analyses of midline data (Haushofer et al. 2016), one relating to the analysis of cash targeting (Haushofer et al. 2017b), one relating to general equilibrium effects at Endline 1 (Haushofer et al. 2018), one outlining analyses relating to local public finance (Walker 2017), and finally one outlining analysis of household outcomes from Endline 2 (Egger et al. 2021b). Moreover, it builds on analyses in two existing working papers: Egger et al. (2021a) and Walker (2019). While the intention is that this PAP can be read and understood by itself, much of the detail and thought development can be traced in these earlier documents, and we will sometimes err on the side of brevity to avoid repetition.

2. Data

We use five main sources of data for estimating enterprise and aggregate effects: censuses of enterprises, surveys of enterprises, censuses of households, surveys of households, and price surveys.

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[4] A PAP for the gender gap analysis is filed at https://osf.io/gjftb.

2.1. Enterprise Data

The primary data sources for this analysis consist of enterprise censuses conducted at Baseline, Endline 1 and Endline 2 and enterprise surveys conducted at Baseline, Endline 1 and Endline 2. Baseline and Endline 1 data collections for enterprises are described in detail in Egger et al. (2021a) and Haushofer et al. (2017a). In this section, we describe the additional data collection conducted since 2019 (Endline 2).

Endline 2 data collection comprised the following activities:
- a) Enterprise census   September 2019 - December 2019
- b) Enterprise survey   March 2021   - May 2022 (approx.)
- c) Market price survey   January 2021   - May 2022 (approx.)

During Baseline and Endline 1, we conducted full enterprise censuses in all 653 villages in the study area. To accurately capture firm death, firm survival, and firm creation since Endline 1, we conducted another full enterprise census at the beginning of Endline 2. During the Endline 2 census, for enterprises that remained operating since Endline 1, we verified basic enterprise characteristics. For enterprises that closed since Endline 1, we collected information on when and why the enterprise stopped operating. For enterprises that were new since Endline 1, we collected the date the enterprise began operating along with basic enterprise characteristics such as location, sector, type, ownership structure, and contact information.

We matched pre-existing enterprises from Endline 1 to those captured during the Endline 2 census where possible. Taking both censuses, this yields a full list of the following categories of enterprises:

a) **Old Enterprises: 48%**
Enterprises that already existed at Endline 1 that continue operating.

b) **"Ghost" Enterprises: 27%**
Enterprises that report operating within the study area at Endline 1, but that were not captured in our Endline 1 enterprise census.

c) **New Enterprises: 25%**
Enterprises that report being newly established in the study area since Endline 1.

2.1.1. Enterprise Sampling

We then conducted enterprise surveys with a random subset of enterprises collected during the Endline 2 census. Sampling was stratified within these categories, and by enterprise location, and the type of location enterprises were operating from. We classified all enterprises according to their primary location as either operating in a village or in a market center, and as either operating from a homestead or from outside of a homestead. The Endline 2 target sample was determined in the following way:

a) **Old Enterprises**
All enterprises targeted for enterprise surveys at Endline 1 that were still operating as of the Endline 2 enterprise census remained in the sample. Then, we augmented with a random sample

5

of additional enterprises so that the total number of enterprises sampled in each village met the following:

> Operating from homestead: min(2, 20%) per village
> Operating outside homestead: min(3, 20%) per village

b) **"Ghost" Enterprises**
Villages:

> Operating from homestead: min(1, 20%) per village
> Operating outside homestead: min(.5 the number of villages, 20%) per sublocation

Market centers:

> Operating from homestead: min(.5 the number of markets, 20%) per sublocation
> Operating outside homestead: min(1, 20%) per market center

c) **New Enterprises**
Villages:

> Operating from homestead: min(1, 20%) per village
> Operating outside homestead: min(.5 the number of villages, 20%) per sublocation

Market centers:

> Operating from homestead: min(.5 the number of markets, 20%) per sublocation
> Operating outside homestead: min(1, 20%) per market center

This yielded a total target sample of 5,015 enterprises. We then split the full sample into two waves. For enterprises operating in villages, we selected 50% of villages at random, and targeted the first set of villages for Wave 1, and the second set of villages in Wave 2. For enterprises operating in market centers, we selected a random 50% of each enterprise category in each market center for Wave 1, and the remainder for Wave 2. Wave 1 data collection was conducted between March 2021 - June 2021. Wave 2 has not yet started.

2.2. Household Data

Concurrently with the Endline 2 enterprise census, we conducted a full household census in all 653 villages in our study area. The household census verified the status and location of households that existed in the study area at Baseline and captured newly established households since Baseline. This census served as the sampling frame for the Endline 2 household surveys, which yielded a total target sample of 11,519 households also split into two representative waves. Sampling strategy for the Endline 2 household surveys is described in detail in the pre-analysis plan for Endline 2 household outcomes (Egger et al. 2021b). We also use the household census to construct aggregate outcomes on migration.

The data from the household surveys that we borrow for these analyses include the agriculture module and the self-employment (enterprise) module. The agriculture module gives us a representative sample of household agricultural production, and the self-employment module gives us a representative sample of locally-owned non-agricultural enterprises. When these modules have all outcomes used to construct enterprise-related outcomes and aggregate outcomes, we pool this data with the enterprise surveys.

6

2.3. Price Data

From Baseline through Endline 1, we collected monthly price data for 70 relatively homogenous products from all 61 markets in the study area and neighboring towns with at least one weekly market day between August 2014 and January 2017. This period covered months before any transfers went out, and up to about 2.5 years after the first transfers went out.

At Endline 2, we collect data for the same 70 products, but augment this list with an additional 18 commonly sold service goods. The full list of products for which price data was collected can be found in Appendix A1. The 61 markets are split into two groups, stratified by subcounty and market size. We visit each group bi-monthly and collect both current prices as well as prices for the same items last month to yield a monthly panel, where a representative 50% of prices are collected contemporaneously, the other 50% with recall a month later. We assign enumerators randomly to different markets and different products, and collect 3 price quotes from randomly selected sellers for each product at each market on a weekly market day. We record enumerator and seller gender, and follow a consistent protocol for eliciting price offers.

At the time of writing, price data has been collected for all months in 2021, including and up to December 2021. Market surveys will continue to be collected until data collection for Wave 2 of the household and enterprise surveys is completed.

2.4. Analysis and data examined to date

As we submit this pre-analysis plan, data collection for Wave 1 has been completed, 30 November 2020 - 25 June 2021. While some team members have looked at overall summary statistics to ensure data quality throughout the data collection, no treatment indicators have been merged to the enterprise data, nor have any enterprise data been analyzed in relation to treatment. A data management plan to this effect has been filed (AEA Registry: AEARCTR-0000505). The study team has merged treatment data to the household data and conducted preliminary analysis pre-specified in the household PAP.

We note here that, after the filing of this pre-analysis plan, we may look at certain outcomes and the survey instruments for Wave 2 may change slightly based on initial results. In case this substantially alters the analyses or outcomes outlined below, we plan to file a corresponding amendment to this document before conducting any further analyses. Since both waves contain a full representative sample of the entire study area, we may also conduct subsets of the analyses on either wave separately.

The remainder of this PAP considers outcomes related to enterprises, prices, and finally macroeconomic aggregates (particularly GDP). We report the methodology that we plan to use to estimate these effects separately within each section.

3. Enterprise outcomes of interest

This section describes outcomes relating to revenues, costs, labor demand, and the capital stocks of enterprises. We separately consider measures of enterprise and market structure in the following section.

Data on enterprise outcomes comes from two surveys: we collected outcomes for non-agricultural firms in enterprise surveys, and data on household agriculture comes from household surveys. The household survey also includes a subset of the enterprise survey about enterprises owned by the household. Whenever the enterprise module of the household survey has all outcomes used to construct enterprise outcomes, we pool this data with the enterprise surveys. For each outcome, we use data from the full enterprise census to weight the agricultural and non-agricultural enterprise data so that outcomes are representative of the local economy. The goal of this section is to examine how enterprises changed due to the transfers, and to isolate the mechanisms behind any changes to productivity, such as poverty traps or agglomeration.

We consider a representative sample of all firms present in the study area during the second endline, not those that were present at the baseline. In other words, the goal of this analysis is to understand the medium run effect of the transfers on the local economy, not the firms that were present when cash was distributed. We follow the approach of Egger et al. (2021a) to estimate the effect of the transfers on enterprises. In particular, we estimate the regressions

$$y_{ivsw} = \alpha_1 Treat_v \cdot X_{ivs} + \alpha_2 HighSat_s \cdot X_{ivs} + \delta_1 y_{ivs,t=0} \cdot X_{ivs} + \delta_2 M_{ivs} \cdot X_{ivs} + \gamma_w \cdot X_{ivs} + \varepsilon_{ivsw} \ (1)$$

where y_{ivsw} is an outcome for enterprise i in village v and sublocation s (at Baseline) surveyed in Wave w, X_{ivs} is a vector of indicators for enterprise type (agricultural, non-agricultural operating outside the homestead, non-agricultural operating from the homestead), and other terms are defined as in Egger et al. (2021a) Section 3, $Treat_v$ is an indicator for village v being treated, and $HighSat_s$ is an indicator for sublocation s being allocated *high* saturation status (i.e. ⅔ of villages being treated in s, as opposed to ⅓ in low-saturation sublocations). We include the baseline village mean of the outcome variable ($y_{ivs,t=0}$), when available, to improve statistical precision and an indicator for missingness (M_{ivs}). γ_w are wave fixed effects. Standard errors are clustered at the village level, and observations are weighted by the inverse sampling probabilities, calculated from the two enterprise censuses, to be representative of the population of enterprises.

Our primary parameter of interest from Equation (1) is α_1 which captures the difference between enterprises operating in treatment versus control villages at the time of our endline surveys. This is a measure of local economic activity, as we include enterprises that were operating at the time of the transfers as well as any new enterprises. It thus allows for compositional changes in enterprises that may have taken place across treatment and control villages. α_2 measures any additional across-village spillovers *within* sublocations (but not across). Since administrative sublocation boundaries in our context are relatively unimportant for economic activity, with substantial interactions across borders, and no meaningful social or ethnic divides, we do not consider α_2 primary. Instead, our main spillover measure will be captured in equation (2).

In addition to this overall local economy estimate, we are also interested in understanding the long-term effects i) for enterprises owned by treated households and ii) for enterprises that were operating at the

time of the transfer. We can estimate similar specifications to Equation (1), but for (i) where v indexes the village treatment assignment of the enterprise owner and for (ii) where we restrict attention to enterprises that were operating at the time of transfers (we discuss issues of survival more in the next section).

Similarly to the household PAP and Egger et al. (2021a), we estimate the following specifications that better captures spatial variation in transfers. We use Equation (2a) as our primary specification for estimating local area effects, while (2b) is our focus when using the treated owner and present at transfers samples:

$$y_{ivw} = \sum_{r=2}^{\bar{R}} \beta_r \, Amt_r \cdot X_{ivs} + \delta_1 y_{iv,t=0} \cdot X_{ivs} + \delta_2 M_{iv} \cdot X_{ivs} + \gamma_w \cdot X_{ivs} + \varepsilon_{ivw} \qquad (2a)$$

$$y_{ivw} = \beta Amt_v \cdot X_{ivs} + \sum_{r=2}^{\bar{R}} \beta_r \, Amt_{v,r}^{\neg v} \cdot X_{ivs} + \delta_1 y_{iv,t=0} \cdot X_{ivs} + \delta_2 M_{iv} \cdot X_{ivs} + \gamma_w \cdot X_{ivs} + \varepsilon_{ivw} \qquad (2b)$$

where Amt_r is the total per-capita amount distributed within a buffer of r-2 to 2 km, Amt_v is the total per-capita amount transferred to village v, $Amt_{v,r}^{\neg v}$ is the total per-capita amount transferred in a buffer of r-2 to r km around the village centroid of village v (but not to village v itself), and all other variables are defined as above. The Amt variables depend on both the random assignment of villages to treatment and also on the endogenous share of households in those villages eligible for transfers, so we instrument (2a) using the share of eligible households within each band assigned to treatment (at the time of treatment), and for (2b) using the own-village treatment indicator $Treat_v$ and the share $s_{\neg v,r}^{e,t}$ of eligible households in each band assigned to treatment (at the time of treatment). All other variables defined as above. To account for spatial correlation, we calculate standard errors using a uniform kernel up to 10 km (Conley 2008). As with equation (1), standard errors are clustered at the village level and enterprises are weighted by inverse sampling probabilities.

The calculation of $\bar{R}$ is identical to Egger et al. (2021a) and the procedure defined in the household PAP. In particular, we select the maximum radii band included by first estimating a series of nested models with the outer limit R varying from 2 to 20km, and then selecting the model which minimizes the Schwarz Bayesian Information Criterion (BIC). We also plan to report effects using R_{SR}, where R_{SR} is the 'optimal' radius selected in the short run, for most outcomes at 2km with a few exceptions at 4km (Egger et al. 2021a). We may also define smaller increments between radii bands to further explore the structure of spillovers.

Following Egger et al. (2021a), we interact our treatment indicator and transfer amount variables with this vector of enterprise types, in effect estimating a stacked version of Equations 1 and 2. This allows treatment effects and controls to vary flexibly across enterprise types. Enterprise surveys are repeated cross-sections, not true panels. As a result, we control for the village-level baseline mean of the outcome when available. Egger et al. (2021a) find that results are not sensitive to the inclusion of this control.

We are interested in the average "total effect" (including within-village and across-village spillovers) experienced by enterprises in treated and untreated areas, as in Egger et al. (2021a). We calculate these by

multiplying the estimated coefficients of Equation (2) by the average values of the regressors for each enterprise type, i.e. for treated and control villages, and each enterprise type s when using Equation (2b) we estimate

$$\widehat{\Delta y^s_e} = \widehat{\beta^s} \overline{Amt^s_v} + \sum_{r=2}^{\bar{R}} \widehat{\beta^s_r} \overline{Amt^{\neg v,s}_{v,r}}.$$

To facilitate comparisons with household results, we normalize effects per-household rather than per-enterprise. To do so, we calculate

$$\frac{1}{n_{hh}} \sum_s \widehat{\Delta y^s_e} * n^s_{ent}$$

Where n_{hh} is the total number of households across all control or treated villages and n^s_{ent} is the number of enterprises of type s in control or treated villages.

We follow Haushofer et al. (2017a) for our treatment of multiple inference adjustment. To summarize briefly: The naive p-values on our primary outcomes are correct for readers with an a priori interest in the hypothesis that cash transfers affect a particular outcome among them. To control for multiple inference, we calculate sharpened q-values (i) across our primary outcomes and (ii) within each outcome "family" (primary and secondary outcomes) following Benjamini, Krieger, and Yekutieli (2006) to control the false discovery rate (FDR). The FDR controls for the proportion of false positives, which is relevant if one is interested in the proportion of all primary outcomes affected by treatment. Rather than specifying a single q, we report the minimum q-value at which each hypothesis is rejected, following Anderson (2008). We will report both standard p-values and minimum q-values in our analysis.

In general, we plan to winsorize outcomes at the 99th percentile as in Egger et al. (2021a). However, comparisons of refined enterprise revenue, cost, and profit measures to initial estimates indicates that some outlying observations actually report higher values after going through detailed accounts of their transactions. This suggests that some outliers may be genuine and not data entry errors. As a result, we may examine data that is not winsorized in certain instances. In particular, one potential mechanism through which transfers could create durable changes is by allowing some firms to invest in capital with high fixed costs in which case we would expect the effects of the transfers to be concentrated in the tail of the distribution which would be hidden by winsorizing. Hence, we may report tests using both winsorized and unwisorized data.

We also plan to include several tests not present in Egger et al. (2021a) to test specific mechanisms through which the economy may have changed. In particular, we plan to test for poverty traps using the methods described in Balboni et al. (2021). Since heterogeneity in firm outcomes may be important, we may estimate quantile treatment effects. As with household outcomes, we may investigate and apply evolving machine learning approaches to identify outcomes that were affected by treatment from a wider list, particularly to identify any mechanisms through which transfers affected revenues or profits (Ludwig et al. (2019)).

10

In addition to pre-specified tests for heterogeneity, we may examine heterogeneous treatment effects across a broad set of covariates using machine learning techniques (e.g. Athey and Wager (2019)).

We consider the following enterprise outcomes:

3.1.   Primary outcome: Total annual enterprise revenue

For non-agricultural firms that are not currently operational, we use revenue in the last 12 months during which the enterprise operated (Enterprise EL2 outcome 4.4C). For non-agricultural firms that are currently operational, this is calculated as twelve times the respondent's estimate of total sales last month. At Endline 1, we calculated only a single estimate of revenue in which we ask the respondent to list their total sales revenue in the past month. During Endline 2, we collect both the first data point and a refined measure in which we ask the respondent to document their revenue from contracts, infrequent sales, and frequent sales in detail before asking for a final estimate of the firm's revenue. We generally plan to use the final estimate (Enterprise EL2 outcome 4B.13) and include a fixed-effect to absorb differences between the surveys. However, we will use the initial estimate (Enterprise EL2 outcome 4.4B) when consistency with Endline 1 is important. We will also report the alternative specification for robustness in both cases.

For agricultural enterprises, we will calculate revenue as the sum the livestock or fish sold in the past 12 months (HH EL2 outcome 7.6B), the value of livestock or fish produced and consumed by the HH in the past 12 months (HH EL2 outcome 7.6I), revenue obtained from selling animal products in the last 12 months (HH EL2 outcome 7.7B), the value of animal products produced and consumed by the HH in the past 12 months (HH EL2 outcome 7.7E), total rental fees received for capital in the past 12 months (HH EL2 outcome 7.13D), and total yields of each crop grown in the past year (HH EL2 outcome 7.16) times the sale price per unit if reported (HH EL2 outcome 7.18) otherwise times the local market price of the crop.

3.1.1.   Secondary outcome: Total annual revenue of agricultural enterprises.
The primary outcome, restricted to agricultural firms.
3.1.2.   Secondary outcome: Total annual revenue of non-agricultural enterprises.
The primary outcome, restricted to non-agricultural firms.
3.1.3.   Secondary outcome: Total annual revenue by non-agricultural sector.
The primary outcome, presented for each of the following sectors: retail, manufacturing, and services.

3.2.   Primary outcome: annual enterprise costs

For non-agricultural enterprises, twelve times the sum of: the total wage bill last month (5.2) plus rental costs of land, buildings and equipment (6I) plus interest payments (3C) plus expenditures on supplies and materials (7) plus average monthly utility costs (8.1A) plus average monthly taxes and fees (8.5A - E) plus other costs (8.1B - C and 8.5F - H).

For agricultural enterprises, the sum of purchase costs of livestock/fish in the past 12 months (HH EL2 outcome 7.6E), plus the total wage bill of workers hired for agricultural work in the past 12 months (HH EL2 outcome 7.11), plus total investment, rental costs, and maintenance costs for capital for the enterprise in the past 12 months (HH EL2 outcome 7.13) plus total expenditures on inputs for livestock and agriculture last year (HH EL2 outcome 7.14).

We collect more comprehensive cost data in Endline 2 compared to Endline 1. In particular, surveys now include detailed information about intermediate costs. We generally plan to use the refined measures and include a survey round fixed effect, but we may report estimates using the same variable construction as in Endline 1 for consistency or robustness.

3.2.1. Secondary outcome: annual agricultural enterprise costs
The main outcome restricted to agricultural enterprises.

3.2.2. Secondary outcome: annual non-agricultural enterprise costs
The primary outcome restricted to non-agricultural enterprises.

3.2.3. Secondary outcome: annual costs by non-agricultural sector.
The primary outcome, presented for each of the following sectors: retail, manufacturing, and services.

3.3.   Primary outcome: annual enterprise profits

For non-agricultural firms that are not currently operating, profits over the last 12 months the enterprise was operating (Enterprise EL2 outcome 4.5C). For currently operating non-agricultural firms, we will use twelve times the final estimate of enterprise profits last month (Enterprise EL2 outcome 8.1) unless consistency with Endline 1 is essential, in which case we will consider twelve times the initial estimate of the firm's profits last month (Enterprise EL2 outcome 4.5B).

For agricultural firms, we consider primary outcome 3.1 minus primary outcome 3.2.

This measure has been improved since Endline 1. For non-agricultural enterprises, we now have both initial estimates (which were those used in Endline 1) and final estimates asked after going through a detailed accounting of revenues and costs. For agricultural enterprises, we added questions on own consumption, particularly of livestock, to obtain more accurate estimates. We generally plan to use the refined estimates for both firm types and include survey fixed effects, but may report estimates using the same specification as Endline 1 for consistency or robustness.

3.3.1. Secondary outcome: Reported profits
The primary outcome for non-agricultural firms. For agricultural firms, we use the sum of reported profits in the past 12 months from agriculture and the sale of livestock and fish plus the value of the household's consumption of agricultural goods over the past 12 months (HH EL2 section 7).

3.3.2. Secondary outcome: Calculated annual profits
Primary outcome 3.1 minus primary outcome 3.2. This variable is new since Endline 1, since we did not collect data on intermediate costs during Endline 1.

3.3.3. Secondary outcome: Agricultural annual profits
The primary outcome restricted to agricultural enterprises.

3.3.4. Secondary outcome: Non-agricultural annual profits
The primary outcome restricted to non-agricultural enterprises.

3.3.5. Secondary outcome: Profits of non-agricultural firms by sector
The primary outcome, presented for each of the following sectors: retail, manufacturing, and services.

3.4. Primary outcome: Average hourly wage paid by the enterprise

For non-agricultural enterprises, the total wage bill paid to employees last month divided by 30/7 times total hours worked by all employees last week if the firm is operational, otherwise 1/12 times the total compensation paid to employees the last year the enterprise was operational, divided by 30/7 times the number of hours worked by all employees in a typical 7 day period (Enterprise EL2 outcomes 5B.6-9).

For agricultural enterprises, the total amount paid to all hired workers last month divided by the total number of hours worked by all hired workers in the past month (HH EL2 outcome 7.12).

The averages will be weighted by firm employment. Note that a similar outcome (5.2) is defined in price outcomes specified below.

3.4.1. Secondary outcome: Average hourly wage paid by agricultural enterprises
The primary outcome restricted to agricultural enterprises.

3.4.2. Secondary outcome: Average hourly wage paid by non-agricultural enterprises
The primary outcome restricted to non-agricultural enterprises.

3.4.3. Secondary outcome: Average hourly wage paid by non-agricultural sector
The primary outcome, presented for each of the following sectors: retail, manufacturing, and services.

3.4.4. Secondary outcome: Average hourly wage paid to workers in sectors with below-median average worker education
We plan to calculate the average education of workers in each sector, then report the primary outcome restricted to sectors with below median average education. This restriction is designed to capture wages paid to unskilled workers.

3.4.5. Secondary outcome: Average hourly wage paid to workers in sectors with above-median average worker education
We plan to calculate the average education of workers in each sector, then report the primary outcome restricted to sectors with median average education or higher. This restriction is designed to capture wages paid to skilled workers.

3.5. Primary outcome: Firm's annual labor demand
For non-agricultural enterprises, twelve times the total wage bill paid to employees last month if the enterprise is operational, otherwise total wages paid the last year the enterprise was operational (Enterprise EL2 outcomes 5B.8-9).

13

For agricultural enterprises, the total amount paid to hired workers last year (HH EL2 outcome 7.11).

3.5.1. Secondary outcome: Total wage bill of agricultural enterprises
The primary outcome restricted to agricultural enterprises.

3.5.2. Secondary outcome: Total annual wage bill of non-agricultural enterprises
The primary outcome restricted to non-agricultural enterprises.

3.5.3. Secondary outcome: Total annual wage bill by non-agricultural sector
The primary outcome, presented for each of the following sectors: retail, manufacturing, and services.

3.5.4. Secondary outcome: Number of paid employees
For non-agricultural enterprises, number of current paid employees if the enterprise is operating, otherwise the number of paid employees the enterprise usually had when it was operational (Enterprise EL2 outcome 3B.7). For agricultural enterprises, the number of workers hired over the past year (HH EL2 outcome 7.10).

3.5.5. Secondary outcome: Total hours of labor last week
For non-agricultural enterprises, the number of hours worked by all employees in the past week if the firm is operating, otherwise the number of hours worked by all employees in a typical 7 day period when the firm was operating (Enterprise EL2 outcomes 5B.6 - 7). For agricultural enterprises, the average number of hours worked per week by all paid workers over the past month (HH EL2 outcome 7.12).

3.6. Primary outcome: Total capital stock of the enterprise excluding land
This outcome is new since Endline 1.

For non-agricultural enterprises, the sum of the value of buildings/structures, vehicles, machinery and tools, furniture or electronics, and other fixed assets owned by the enterprise minus the total value of outstanding loans (Enterprise EL2 outcome 6A.3A and 6A.6D).

For agricultural enterprises, the total value of all buildings, vehicles, machinery, and tools used in production plus the total value of all fixed assets used for household and production purposes (HH EL2 outcome 6.3 and 7.13).

3.6.1. Secondary outcome: Total capital stock of agricultural enterprises excluding land:
Summary measure restricted to enterprises engaged in agriculture.

3.6.2. Secondary outcome: Total capital stock of non-agricultural enterprises excluding land:
Summary measure restricted to enterprises not engaged in agriculture

3.6.3. Secondary outcome: Total capital stock by non-agricultural sector excluding land
The primary outcome presented for each of the following sectors: retail, manufacturing, and services.

3.6.4. Secondary outcome: Total capital stock, including land
The primary outcome plus the value of all land owned by the enterprise for non-agricultural enterprises (Enterprise EL2 outcome 6A.6D). For agricultural enterprises the value of land is estimated from the total land employed in production (HH EL2 outcome 7.4).

We plan to look at levels of capital as well as returns to capital. We view capital accumulation as one mechanism through which the transfers could affect long-run enterprise outcomes. In particular, we will test for poverty traps using methods defined in Balboni et al. (2021).

We will also test for heterogeneity in capital outcomes by the gender of the enterprise owner, industry that the firm is in, and an indicator for whether the enterprise operated from a facility outside of the respondent's household before the transfer. We may also use machine learning techniques (e.g. Athey and Wager (2019)) to test for heterogeneous treatment effects across a wide range of firm characteristics, and then examine which firm characteristics, if any, are associated with higher capital accumulation.

3.7. Primary outcome: Total annual investment by the enterprise excluding land

For non-agricultural enterprises, twelve times the total investment in capital assets last month, excluding land (Enterprise EL2 section 6A).

For agricultural enterprises, the total amount spent on purchases of livestock, buildings, vehicles, machinery, and tools in the past year minus the total value of livestock sold or consumed in the past year (HH EL2 outcomes 7.6B, 7.6F, 7.6I, and 7.13B).

3.7.1. Secondary outcome: Total annual investment by agricultural enterprises
The primary outcome, restricted to agricultural enterprises.

3.7.2. Secondary outcome: Total annual investment by non-agricultural enterprises
Twelve times the best estimate of investment last month (Enterprise EL2 outcome 6.7).

3.7.3. Secondary outcome: Total annual investment by non-agricultural sector
The primary outcome presented for each of the following sectors: retail, manufacturing, and services.

3.7.4. Secondary outcome: Total annual investment by the enterprise including land
For non-agricultural enterprises, twelve times the best estimate of investment last month (Enterprise EL2 outcome 6.7). For agricultural enterprises, the primary outcome plus total expenditures on land purchases in the past twelve months (HH EL2 outcome 7.4).

3.7.5. Secondary outcome: Total land employed in agricultural production
Total land used for agricultural production in the past year (HH EL2 outcome 7.3).

3.8. Primary outcome: Enterprise value added

For non-agricultural enterprises, primary outcome 4.1 (annual revenue) minus the annual value of all intermediate good purchases (Enterprise EL2 section 7).

For agricultural enterprises, primary outcome 4.1 (annual revenue) minus the sum of purchase costs of livestock/fish in the past 12 months (HH EL2 outcome 7.6E), minus total expenditures on inputs for livestock and agriculture last year (HH EL2 outcome 7.14).

3.8.1. Secondary outcome: Enterprise value added for agricultural enterprises
The primary outcome, restricted to agricultural enterprise.

3.8.2. **Secondary outcome: Enterprise value added for non-agricultural enterprises**
    The primary outcome, restricted to non-agricultural enterprises.
3.8.3. **Secondary outcome: Enterprise value added by non-agricultural sector**
    The primary outcome presented for each of the following sectors: retail, manufacturing, and services.

4.   Enterprises: understanding mechanisms for long-run effects

This section presents outcomes that may provide insight into the mechanisms through which any long-run changes observed in the prior outcomes are observed. We constructed these outcomes based on findings from the first endline survey (which suggested that there was significant excess operating capacity or slack observed in the medium run) and the development economics and macroeconomics literature. While we think these outcomes have a good chance of capturing mechanisms of change, they are more exploratory than other sections. Hence, the construction of outcomes is more likely to change compared to other sections, and we may consider additional mechanisms that are not pre-specified. Moreover, we report indices of variables related to each mechanism as primary outcomes, but additionally present each individual variable as a secondary outcome since these variables are new and some variables might be more effective at capturing variation than others. For some outcomes, we believe one variable is significantly more likely to capture effective variation than others, so we specify two primary outcomes: the variable we anticipate will be most effective and an index of the remaining variables.

4.1.   Primary outcome: Capacity utilization index
This outcome is only defined for non-agricultural enterprises. This outcome is motivated from the claim in Egger et al. (2021a) that enterprises had significant slack. We consider it a potential mechanism through which the transfers could affect long-run enterprise outcomes. It is calculated as a weighted, standardized average of the share of the respondent's time at work spent on enterprise-related activities (Enterprise EL2 outcome 5C.13), and the average number of hours machines owned by the enterprise were used the last day the respondent worked for the enterprise (Enterprise EL2 section 6B).

4.2.   Primary outcome: Business operating capacity
The respondent's estimate of the operating capacity of the business. They are first presented with the ratio of their revenue last month divided by their estimated monthly revenue at full capacity, as reported by the respondent. The estimated operating capacity is either this value, or a refinement given by the respondent. This outcome uses a common approach to estimating operating capacity in developed contexts (Enterprise EL2 outcome 4C.2).

4.2.1. **Secondary outcome: Estimated capital utilization**
    Average use of machines per day (hours)
4.2.2. **Secondary outcome: Estimated labor utilization**
    Share of the respondent's time at work spent on enterprise-related activities. This is based on self-reported time use, which we plan to compare to surveyor-observed time use collected from a subsample.
4.2.3. **Secondary outcome: Estimated overall capacity utilization**
    Number of hours open per week

16

4.3. Primary outcome: Herfindahl-Hirschman concentration index

We plan to calculate a Herfindahl–Hirschman concentration index for the following business categories: food, transportation, food processing, retail, personal services, manufacturing, hospitality, and other. For each sector, we will calculate the index by business categories as defined in the Enterprise EL2 survey and then average the indices to the sector level with weights according to share of total revenue by sector. We will define the market each enterprise competes in by looking out to 2-4kms around the GPS location of the firm.

4.3.1. Secondary outcome: Distance to the enterprise's nearest competitor
The distance, in kilometers, to the enterprise's closest reported competitor (Enterprise EL2 outcome 9.9)

4.3.2. Secondary outcome: Number of enterprises in the area
The number of enterprises in a 2-4km band (Enterprise census 2). We will also look at this restricted attention to enterprises within one's sector.

4.3.3. Exploratory outcome: Number of market participants
As part of the enterprise survey, the number of market participants is being collected as a snapshot at one point in time. We use this as our main measure of the outcome. As part of the market survey, we also collect information on the number of carpenters, furniture vendors, hardware stores, hardware vendors (those selling hardware products but not from a store), and the number of maize vendors. We collect information both on the number typically operating from that market in that month, as well as the number operating on the day of our visit. We will combine these variables into a mean effects sub-index of market vendors by standardizing each outcome (demeaning and dividing by the standard deviation of pre-treatment rounds). We use this outcome as a robustness measure, along with the outcome collected in the enterprise census.

4.3.4. Exploratory outcome: The number of products sold by the enterprise
The number of different products the enterprise reports selling (Enterprise EL2 outcome 8.1)

4.3.5. Exploratory outcome: Enterprise practiced price discrimination
An indicator for whether the enterprise charged different prices based on gender or ethnicity (Enterprise EL2 outcome 9.6)

4.3.6. Exploratory outcome: Markup charged for a 10% and 100% increase in sales
The respondent's estimate of the revenue they would receive if they sold 10% or 100% more of their primary product divided by the estimated cost of increasing production by these amounts (Enterprise EL2 outcome 8.8). This outcome is only available in wave 1.

4.3.7. Exploratory outcome: Estimated cost to increase production by 10% or 100%
The respondent's estimate of the cost to produce 10% or 100% more output (Enterprise EL2 outcome 8.8). This variable is only available for wave 1.

4.4. Primary outcome: Total annual trade with areas outside of the study area

We view a change in trade with areas outside of the study area both as a potential method of measuring changes in the formality of firms created by the transfers and a potential mechanism for long-run enterprise outcomes. This variable is calculated as the 12 times the revenue of the enterprise last month that came from areas outside of Siaya county (Enterprise EL2 outcome 4A.9) plus 12 times expenditures

on intermediate goods last month times the share of intermediate good purchases made from firms outside of Siaya county (Enterprise EL2 outcome 7.3).

This variable is designed to capture changes in trade that occurred due to the cash transfers. We may also consider different levels of aggregation, such as trade with other sublocations or towns in Siaya county.

4.4.1. **Secondary outcome: Annual revenue from sales outside of Siaya county**
12 times the revenue of the enterprise last month that came from areas outside of Siaya county (Enterprise EL2 outcome 4A.9)

4.4.2. **Secondary outcome: Annual imports from outside of Siaya county**
12 times expenditures on intermediate goods last month times the share of intermediate good purchases made from firms outside of Siaya county (Enterprise EL2 outcome 7.3)

4.4.3. **Secondary outcome: Annual revenue from sales outside of the village**
For non-agricultural firms, 12 times the enterprise's revenue from outside of the village in which they are located last month (Enterprise EL2 outcome 4A.9).
For agricultural enterprises, revenue from sales in the last 12 months times the share of sales made at a market outside of the village (HH EL2 outcome 7.6d).

4.4.4. **Secondary outcome: Annual imports from outside of the village**
This outcome is only defined for non-agricultural enterprises. Twelve times expenditures on intermediate goods last month times the share of intermediate good purchases made from firms outside of the village (Enterprise EL2 outcome 7.3).

4.4.5. **Secondary outcome: Share of agricultural sales to traders**
This outcome is only defined for agricultural enterprises. The share of agricultural sales made to traders/wholesalers (HH EL2 outcome 7.6c).

4.4.6. **Secondary outcome: Enterprise revenue transferred outside of the village**
The total value of wages paid to employees located outside of the villages where the enterprise is located (Enterprise EL2 3B.8 and 5B.8) plus total profits paid to owners located outside of the village (Enterprise EL2 3.6 and 5A.1). We may also examine the share of the firm's revenue paid to employees and owners outside of the village in addition to levels.

4.4.7. **Secondary outcome: Enterprise revenue transferred outside of the sublocation**
The previous outcome, considering employees and owners living outside of the sublocations where the enterprise is located. We may also consider other boundaries.

4.5 Secondary Outcome: Long-term firm survival for enterprises operating at the time of transfers
Enterprise survival may provide insights into compositional changes and the way this could affect aggregate outcomes. We plan to conduct this analysis two ways: i) restricting attention to enterprises that were operating at baseline and ii) restricting attention to treated enterprise owners, using the samples described above. This outcome is an indicator equal to one for firms that were operating at baseline and are still operating at the time of the second endline. Our main analysis uses enterprise census data for this, though we may also explore enterprise survey data, as this would allow for the estimation of longer-term follow-up effects. As additional analyses, we look at this outcome by sector.

5. **Price outcomes of interest**

This section defines the price outcomes in the study area. We follow the same approach used in Egger et al. (2021a). We estimate effects on consumer goods prices and prices of major factors of production (labor, land and capital) using both spatial and temporal variation in the amount of cash distributed around each market. In contrast to the household and enterprise data, our repeated measurement of prices, both during and after the cash distributions, allows us to estimate equations that include market-fixed effects; we also use an analytical approach analogous to that with household and enterprise data for robustness. Specifically, we estimate:

$$p_{mt} = \sum_{r=2}^{\bar{R}} \sum_{l=0}^{M} \beta_{rl} Amt_v + \alpha_m + \lambda_t + \epsilon_{mt} \quad (3)$$

Where p_{mt} is a price outcome for market m in month j. Amt_v is the total per-capita amount received in a village within band r-2 to r km around market m, expressed as a fraction of GDP, including market- and month-fixed effects. We use Conley standard errors to account for spatial correlation, using the same procedure as in Egger et al. (2021a) to determine the relevant radius R and the relevant temporal lag M over which prices persist. This allows us to identify both spatial and time variation in terms of prices; price effects are estimated using the implied ATE (average price effect across all markets and all months since the last transfer in the study area). Beyond heterogeneity in price effects based on the tradable nature of the goods, we also classify markets as those with better or worse market access.

We can also run an instrumental variables specification as a robustness check, as in Egger et al (2021a).

5.1. Primary outcome: Output or consumer goods prices

For each nominal variable, we construct a consumer price index using monthly surveys of commodity prices[5] collected starting January 2021, until the end of the data collection of Wave 2, in 61 local markets in the study area (and neighboring areas) with at least a weekly market day. Each household is assigned the market price index of the nearest market based on the as-the-crow-flies distance between households' location and markets. For households missing GPS coordinates that are still resident in study villages we use the geometric mean of households within the same village from baseline household census data. For households that have migrated outside of the study area to another rural area, we use the mean market price across all markets in our study area as a rural price index. For households that have migrated to an urban area, we inflate our rural price.

Our primary outcome for this hypothesis is the overall aggregate (Stone) price index: $p_{mt} = \Sigma_j \omega_j \log p_{mjt}$, where p_{mjt} is the median price in market m for good j in month t based on quotes collected from three vendors. The log-prices are weighted by household expenditure, where ω_j are expenditure shares for good j from the Kenya Life Panel Survey (Baird et al, 2016). Expenditure shares for services will be included at the aggregated level - and not for each specific good included in the market survey. Moreover, we will run the main specification using the same weights as in Egger et al.

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[5] Market surveys collected prices for 88 homogeneous products or services, organized into six sub-indices for i) food, ii) non-food and non-durables, iii) durables, iv) livestock, v) temptation goods (alcohol was not collected for Wave 1 endline 2) and vi) services. The goods that make up each of these categories are reported in the appendix.

(2021a) for comparability. For robustness, we will also examine changes in expenditure shares, and changes in spending patterns by products across time.

The main specifications for market-level prices will use the median price per market per round for p_{mjt}, but as a robustness check we will also use the minimum price per market per round.

5.1.1. Secondary outcome: tradable consumer goods prices

We classify goods into tradable goods, if they can be easily transported, or are non-perishable items following the classification from Egger et al. (2021a) and compute a sub-price index following the same procedure as described above. The full pre-specified classification is outlined in the appendix.

5.1.2. Secondary outcome: food and livestock prices

As above, for goods defined as food and livestock in our expenditure analysis.

5.1.3. Secondary outcome: non-tradable consumer goods prices

We classify goods into non-tradable goods, if they cannot be easily transported, or are perishable items, such as following the classification from Egger et al. (2021a) and compute a sub-price index following the same procedure as described above. This also includes the 18 additional services which were added to the market surveys for the Endline 2. The full pre-specified classification is outlined in the appendix.

5.1.4. Secondary outcome: Services prices

We look separately at the 18 additional services added to the market survey and compute a sub-price index for these following the same procedure outlined above. The full pre-specified classification is outlined in the appendix. To determine weights, we will use a combination of the latest KLPS-3 and 4 consumption expenditure survey and our enterprise survey revenue to compute the aggregate price index.

Secondary analysis: Following Egger et al. (2021a), we investigate the heterogeneity of the output prices by market access where market access is defined as: $MA_m = \sum_d (\tau_{md})^{-\theta} N_d \simeq \sum_{r=1}^{10} r^{-\psi\theta} N_r$ where r the geographic distance is used to proxy trade costs between origin market m and destination d, i.e. $\tau_{md} = r^{\psi}$. Following Donaldson and Hornbeck (2016), we set $\theta = 8$, and define destinations as 1 km radii bands around each market, with total population N_r in each buffer. Following Egger et al (2021a), we assume the elasticity of trade costs with respect to distance (ψ) to be equal to 1. Furthermore, we will also explore variations on the definition of market access for different values of the trade cost elasticities based on the evidence from Egger et al (2021a) and related literature, $\sum_{r=1}^{10} r^{-\psi\theta} N_r$ with $\psi \in [0.1, 0.2, 0.3, 0.4, 0.5, 1]$.

5.1.5. Secondary outcome: Market availability index

To measure availability, we create an availability indicator for each good, which is set equal to one for the market-months when we have at least one price for the good in that market-month, and zero otherwise. We then aggregate these indicators into an availability index using the same weights as for prices. The availability index thus captures the share of the consumption bundle

that can be purchased in a given market-month. When we report effects on the availability index by itself, we will use the index as described above.

We define below the prices for the three major factors of production we consider in estimating price effects, namely labor, land and capital. Estimating the effect of transfers on wages will require us to decompose the wage effect into a direct effect and a compositional effect across sectors and types of jobs. We also look at the wage effects depending on the socioeconomic and demographic characteristics of employed adults.

5.2. Primary outcome: Mean wage paid by enterprises

Average wage paid, weighted by firm employment using the household surveys. There is an analogous measure in section 3.4 collected from the enterprise surveys.

5.3. Primary outcome: Mean wage earned by working-age adults

Average wage received by working-age adults, weighted by firm employment using the household surveys (household survey section 9). The mean wage is calculated across all working-age adults in the household, averaging the amount reported as cash salary for the last month's pay (question E13).

5.3.1. Secondary outcome: Characteristics of employed working-age adults
We consider characteristics of employed adults to look at changes in the characteristics of wage-earning workers in the village along with the potential change in composition of jobs.

We also look at the wage effects of the transfers depending on the type of jobs, by sector and skill level. We plan to examine the effects of the transfers on (reported) wages, and to examine the effects on different types (by socio-economic and demographic characteristics) of employed adults. We also consider changes in the composition of jobs, as well as wage effects by sectors. We also consider exploring changes in wages, depending on the level of education of the workers.

5.3.2. Secondary outcome: **Mean wage earned by agricultural workers**, as reported in household surveys.

5.3.3. Secondary outcome: **Mean wage earned by non-agricultural workers**, as reported in household surveys.
5.3.4. Secondary outcome: **Mean wage earned by unskilled workers**, as reported in household surveys. We restrict this sample to individuals working in the following occupations that we classify as unskilled labor: agricultural laborer; livestock care/shepherd; fishing; selling agricultural products; hawking/selling clothes, food, other items; working in other person's shop (retail); domestic work (house boy/girl); hotel, restaurant or tourism job; watchman/guard/cleaner; vehicle taxi work (matutu tout/conductor, not driver); and local brewer.

5.3.5. Secondary outcome: **Mean wage earned by skilled workers**, as reported in household surveys. We define as skilled all the occupations that are not listed above as unskilled with the exception of "other" responses, which will be handled on a case-to-case basis consistent with the

above definition.

Finally, we examine the robustness of our conclusions to the use of alternative measures of local wages.

Prices of land and building will be calculated from household self-reports, based on the household's best guesses as to the value of the land if it were sold. We restrict the sample to households who have not migrated from the study area, and might include households who moved to the study area.

5.4. Primary outcome: Land and building price per acre of land
Price per acre of land in the village in which the respondent lives.

5.4.1. Secondary outcome: Monthly rent charged per acre of land
Calculated from total rent charged, acres rented and months rented in household survey.

5.5. Primary outcome: Rental rates
To measure the effect of the program on capital as a factor of production, we rely on using interest rates on loans held by households and businesses. Specifically, we calculate the loan size weighted average annualized interest rate on loans from formal sources (e.g. banks, mobile credit services) and informal sources (ROSCAs, money lenders, family members and non-family members), which might not generate interest. The loan-weighted interest rate is measured by the monthly interest rate on the most recent loan by source, weighted by the total amount of borrowing by source.

5.5.1. Secondary outcome: lending rates
We compute the loan size weighted average interest rate on loans charged by households lending money.

5.5.2. Secondary outcome: lending rates for productive purpose:
We might examine rental rates separately for businesses from rental rates for households to look at differences for productive and non-productive purposes.

5.5.3. Secondary outcome: lending rates from formal versus informal sources
We might also consider looking at lending rates from formal and informal sources separately.

5.6. Additional analysis: Differences in quoted price by enumerator gender

We also consider exploring the gender differences in price quotes using a feature of our market surveys. Since the gender of the enumerator (also called field officer, or FO) collecting the prices was randomized, and the enumerators followed a standard bargaining script, we can measure whether the price that a seller cited differed by enumerator gender and seller gender (controlling for the type of good or service). In other words, we will see whether female enumerators are better/worse at bargaining than men or are otherwise offered different prices, and how this result changes across industry (where better bargaining is defined at the difference between starting price and final price).

$$p_{mt} = \beta_1 FemaleFO_{m,t} + \beta_2 FemaleSeller_{m,t} + \beta_3 FemaleFO \cdot FemaleSeller_{m,t}$$
$$+ \ \alpha_m + \gamma_i + \lambda_t + \epsilon_{mt} \qquad (5)$$

The specification will regress prices on FO's gender, product (γ_i) fixed effects, month (λ_t) fixed effects and market (α_m) -fixed effects, controlling for the seller's gender. We will also consider a specification including product by month fixed effects. In cases where there are multiple FOs collected quoted prices for a specific market and month, we will explore a similar specification including product by month by market fixed effects. Depending on the number of identified vendors within the markets throughout the months, we will also explore a within-vendor fixed effect.

5.6.1. Primary outcome: Final price quoted by market vendor

Our primary outcome will be the final price quoted. To construct this outcome, we will use the price as collected (and not the constructed median) for all consumer goods prices from the market surveys.

5.6.2. Secondary outcome: Starting price quoted by market vendor

The starting price, i.e. the price before bargaining, will be used in cases in which the enumerator recorded this price. This starting price is only included in some categories of goods, such as livestock products, duka food and non-food items, hardware and other items[6].

We will also consider exploratory survey results collected among FOs about their priors regarding the gender differences in bargaining skills to help shed light on any patterns we find. FOs were also surveyed about which goods are most commonly bargained for, and which goods have high product homogeneity; we might also explore differences in bargaining depending on the type of good.

6. Aggregate outcomes of interest

This section defines measures of aggregate macroeconomic outcomes in the study area. One outcome of interest is the transfer multiplier used to calculate the effect of the intervention on GDP. We use the approach of Egger et al. (2021a). In particular, the multiplier is defined as

$$M \ = \ \frac{1}{T} \int_{t=0}^{\infty} \Delta GDP_t$$

Where $t = 0$ denotes the time of the transfer and T denotes the total amount transferred. To calculate the multiplier, we first estimate, for each flow variable y, the dynamic equations documented in Egger et al. (2021a):

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[6] With the exception of waterguard (duka); egg, soda (duka food); roof nails, timber, 3-inch nails (hardware); and firewood, charcoal, kerosene, jerrycan, thermos, slippers, bicycle (other), for which only final prices were collected.

$$y_{it,vw} = \alpha_t + \sum_{l \in L} \beta_l Amt_{v(t-l)} + \sum_{l \in L}\sum_{r=2}^{\bar{R}} \gamma_{l,r} Amt^{\neg v}_{v(t-l),r} + \delta_1 y_{iv,t=0} + \delta_2 M_{iv} + \gamma_w + \varepsilon_{ivw} \qquad (6)$$

$$y_{itvw} = \alpha_t + \sum_{l \in L} \beta_l^1 Amt_{v(t-l),r} + \sum_{l \in L}\sum_{r=2}^{\bar{R}} \beta_{l,r}^2 (Amt_{v(t-l),r} \cdot Elig_{iv}) + \gamma Elig_{iv} + y'_{iv,t=0} \cdot \delta + \gamma_w + \varepsilon_{ivw}$$
$$(7)$$

where $Amt_{v(t-l)}$, $Amt^{\neg v}_{v(t-l),r}$, and $Amt_{v(t-l),r}$ are transfer amounts flowing into village v at time $t - l$, and into radii bands from r to r-2 from village v at time t- l (excluding or including village v). $\bar{R}$ is determined as described above. α_t are time-fixed effects, and γ_w denotes survey wave fixed effects. L are sets of time periods before measurement. We plan to use a yearly frequency as our default, but may explore other periodicities. For enterprise outcomes, for consistency with Equation (2) above, we use the *Amt* variables within radii bands, rather than distinguishing separately across one's own village versus other villages.

Time fixed effects α_t capture any average variation in outcomes across calendar time (separately from time since treatment), including variations due to seasonality, or the ongoing COVID-19 pandemic. We may separately explore whether effects differ seasonally, or according to the state of COVID-19 policies.

Endline 1 spans a time period of approximately 0 - 30 months after transfers went out, while Endline 2 is expected to cover a period of roughly 48 to 84 months after transfers. Dynamic effects on flow variables are integrated up to the number of months that elapsed between the distribution of the first transfer and the end of data collection for Endline 2, assuming a linear trend between Endline 1 and Endline 2 data collection. In Egger et al. (2021a), impulse response functions were estimated for each quarter. For Endline 2, we plan to consider yearly aggregation since some quarters have limited data and annual aggregation reduces the sensitivity of interpolated time periods to sampling uncertainty from quarters with few observations. However, we may also examine quarterly aggregation and drop observations from quarters with a limited number of observations (such as below 20% of the median number of quarterly observations).

We may also test different interpolation approaches between Endline 1 and Endline 2 for robustness. In particular, we plan to present conservative bounds that capture a 95% confidence set under the assumption that the process follows a weakly monotonic path over time periods we do not observe. For the lower bound, we interpolate values between Endline 1 and Endline 2 using the minimum value from the two surveys. We will code any negative values to zero when interpolating since we have strong existing evidence that the multiplier is positive. For the upper bound, we will interpolate values using the maximum between the two points in time. We anticipate that the set spanned by the upper and lower bounds will be too large to draw meaningful conclusions, so view it as secondary. However, it requires minimal assumptions, which may make it an attractive feature for some readers.

As an alternative approach to estimate multipliers, we may explore estimating dynamic models common in the macroeconomics and time series literatures. These impose stronger structural assumptions, but reduce the dimensionality of the problem.

As in Egger et al. (2021a), impulse response functions will be estimated separately for treated and untreated households, and separately for three categories of enterprise in both treatment and control villages: own-farm, non-farm enterprises operating within households, and those operating from outside the homestead. Estimates are aggregated across villages using weights from the censuses to estimate the effect of the transfers on the local economy. The wild bootstrap, clustered by sub-location, is used for inference (Cameron, Gelbach, and Miller 2008).

Aggregate Family 1: Transfer multipliers and GDP

6.1. Primary outcome: Transfer multiplier, based on GDP expenditure
The expenditure measure of GDP is calculated as
$$GDP_t = C_t + I_t + G_t + NX_t$$
Consumption is given by expenditure on non-durables and durables plus annualized assets accrued. Home durables are excluded to avoid double counting. As in Egger et al. (2021a), net lending plus home and land values are excluded from asset calculations. I_t measures investment plus the stock of enterprise inventories. Moreover, we plan to continue excluding local government expenditures, G_t, as Walker (2018) demonstrates that the intervention had a precisely estimated null effect at Endline 1, and we have limited data in Endline 2. However, we will test for effects of the transfers on public good quality and informal taxes, and may incorporate an estimate of G_t if this analysis indicates that there was a treatment effect. Further details on these analyses are included in pre-analysis plans filed to Orkin and Walker (2020).

6.2. Primary outcome: Transfer multiplier, based on GDP income
The income measure of GDP is defined as:
$$GDP_t = W_t + R_t + \Pi_t + Tax_t - NFI_t,$$
where W_t is the total household wage bill, R_t are rental expenses of enterprises, Π_t are enterprise profits, and Tax_t is total enterprise taxes. NFI_t gives net wage income earned outside of the study area and is not observed.

6.2.1. Secondary outcome: GDP value added
The value added measure of GDP is given by primary outcome 4.8, which for non-agricultural enterprises is total revenue minus expenditure on intermediate goods and for agricultural enterprises is total revenue minus the cost of inputs. This measure is new to Endline 2 so we cannot calculate a value added multiplier that includes the earlier Endline 1 data. However, we plan to compare this measure of GDP to the expenditure and income measures (the previous two outcomes) over the time period covered by Endline 2.

Aggregate Family 2: Structural transformation and migration

6.3.   Primary outcome: Aggregate revenue by sector

Total revenue by enterprises in agriculture, retail, manufacturing, and services. This variable aims to measure structural transformation.

6.4.   Primary outcome: Aggregate employment by sector

Total employment by enterprises in agriculture, retail, manufacturing, and services. This variable aims to measure structural transformation.

We next examine outcomes related to migration. The household census captures which households entered and left the study area between the baseline and second endline. However, it does not include the number of people in each household. Hence, we estimate the number of people per household from the second endline survey, and multiply this number by the number of households. We estimate household size separately for treatment vs control villages, high vs low intensity sublocations, and for each of the sub-counties.

We expect to be able to obtain a reasonably precise estimate of the number of immigrants and emigrants. We also aim to examine the characteristics of immigrants and emigrants such as their age, incomes, education, and sectors of employment. Sample sizes are expected to be relatively small to consider these outcomes, so we may be underpowered to draw conclusions about heterogeneity.

6.5.   Primary outcome: Number of immigrants into the study area

The total number of people that moved into the study area. From the second household census, we obtain the number of households that moved into the area. We will then multiply the number of households that immigrated to the area times the average household size in each sub-county among villages with the same treatment status and treatment intensity from the second household endline.

6.5.1.   Secondary outcome: Average income of immigrants
The average annual income of immigrant households, from the second household endline survey.

6.5.2.   Secondary outcome: Average income of immigrants by sector
The previous outcome reported for immigrants employed in agriculture, retail, manufacturing, and services. We may report the outcome for agricultural vs non-agricultural breakdowns only if sample sizes are not adequate for the more detailed breakdown.

6.5.3.   Secondary outcome: Average age of immigrants
The average age of immigrants, from the second household endline survey.

6.5.4.   Secondary outcome: Average age of immigrants by sector
The previous outcome reported for immigrants employed in agriculture, retail, manufacturing, and services. We may report the outcome for agricultural vs non-agricultural breakdowns only if sample sizes are not adequate for the more detailed breakdown.

6.5.5.   Secondary outcome: Number of years of education of immigrants 18 years or older
The number of years of education completed by immigrants to the study area that were at least 18 years old during the second endline survey. This outcome is measured from household endline 2.

6.6.   Primary outcome: Number of emigrants out of the study area

The total number of people that moved out of the study area. The households that moved out of the study area are identified from the 1st and 2nd household census. We will then multiply the number of households that left the area by the average household size in each sub-county among villages with the same treatment status and treatment intensity from the second household endline.

6.6.1.   Secondary outcome: Average income of emigrants
The average annual income of migrants out of the study area, from the second household endline. We plan to examine both baseline incomes and incomes from endline 2.

6.6.2.   Secondary outcome: Average age of emigrants
The average age migrants out of the study area, from the second household endline.

6.6.3.   Secondary outcome: Years of education completed by emigrants 18 years or older
The number of years of education completed by emigrants at least 18 years old at the time of the second endline survey. This outcome is measured from the second endline survey.

6.6.4.   Exploratory outcome: Destination of emigrants
We plan to examine the share of emigrants to rural versus urban areas and to Nairobi versus other regions.

6.7.   Primary outcome: Net immigration into the study area

Primary outcome 6.5 minus primary outcome 6.6.

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Appendix A: List of products for price data

Food: maize, millet, sorghum, rice, sweetpotato, cassava, irish potato, plantains, papaya, watermelon, banana (sweet), orange, pineapple, mango, avocado, passion fruit, jackfruit, groundnuts, beans, cowpea leaves, green grams, tomatoes, onions, kales, cabbage, saka (local vegetable), beef, goat (meat), fish (tilapia), pork

Livestock: calf, bull, goat, sheep, chicken

Duka: bar soap, washing powder, bleach, cigarettes, toothpaste, vaseline/lotion, batteries (3-volt), waterguard

Duka non-food: maize flour, wheat flour, milk (fresh), milk (fermented), milk powder, cooking fat, sugar, tea leaves, bread, biscuits, cake, eggs, soda

Hardware: 1 iron sheet (32 gauge), water paint, (large) padlock, cement, roofing nails, timber (2x2), nails (3 inch)

Other: Panadol/aspirin, mosquito net, small sufuria, mattress, improved seed (maize), fertilizer, leso, firewood, charcoal, kerosene, jerry can (20L), thermos flask, slippers, bicycle (local)

Services: head shave*, blow dry*, bike puncture*, pressure fill*, bed frame*, photocopy*, internet*, printing*, epl match*, movie*, moto puncture*, car puncture*, mobile charge*, tailor patch*, tailor hem*, moto wash*, car clean*, shoe polish*

* denotes products for which price data were not collected at Midline/Endline 1.

Appendix B: Enterprise survey instrument

E-S
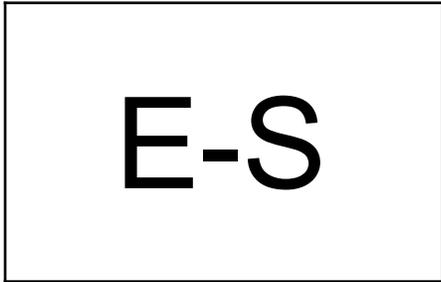
GE EFFECTS
ENTERPRISE SURVEY MODULE
Endline 2

Version: March 2021 — English

SURVEY ID
|___|___|___|___|___|___|___|___|___|___|

SECTION 1: Introduction

Greetings! You are about to begin the GE Effects Endline 2 Enterprise Survey.

1. a. FO Name: _____
    b. FO REMIT ID: |___|___|___|___|___|

2. Where are you conducting this survey?:
    a. County: _____
    b. Sub County: _____
    c. Location: _____
    d. Sublocation: _____
    f. Village: _____ OR Market center: _____

3. Enterprise ID: |__|__|__|__|__|__|

4. You are trying to survey Enterprise ID: *[Enterprise ID]*. Here is some information about the enterprise:

    Owner names: *[EL2 Census Owner Names]*
    Employee names: *[EL2 Census Employee Names]*
    Enterprise name: *[EL2 Census Business Name]*
    Primary enterprise category: *[EL2 Census Primary Business Category]*
    Secondary enterprise category: *[EL2 Census Secondary Business Category]*
    Primary operating location: *[EL2 Census Enterprise Village or Market Center 1]*
        Primary location, operate from: *[EL2 Census Operate From]*
    Secondary operating location: *[EL2 Census Enterprise Village or Market Center 2]*
    Tertiary operating location: *[EL2 Census Enterprise Village or Market Center 3]*

    Were you able to track this enterprise?
    |___| Yes, located enterprise and reached a respondent   ***Continue.***
    |___| Located enterprise but no available respondent   ***SKIP to question 9.***
    |___| No, no available info about this enterprise (submitting as untracked)   ***End survey here.***

5. Who is providing information on this enterprise?
    |___| Owner: *[EL 2 Census Owner Name 1]*   ***Continue.***

|___| Owner: *[EL2 Census Owner Name 2]* **Continue.**
|___| Employee: *[EL2 Census Employee Name 1]* **Continue.**
|___| Employee: *[EL2 Census Employee Name 2]* **Continue.**
|___| Other owner: _____ **Continue.**
|___| Other employee: _____ **Continue.**
|___| Neighbour **SKIP to question 7.**
|___| Neighbouring shop **SKIP to question 7.**
|___| Guide **SKIP to question 7.**
|___| Village Elder **SKIP to question 7.**
|___| Community Health Worker **SKIP to question 7.**
|___| Direct family member of enterprise owner (husband/wife, son/daughter, father/mother, brother/sister) **SKIP to question 7.**
|___| Extended family member of enterprise owner (aunt/uncle, cousin, etc) **SKIP to question 7.**
|___| Other (specify): _____ **SKIP to question 7.**

6. Are you conducting this survey in-person or by phone?
   |___| In-person
   |___| By phone

7. *(if FR is NOT owner / employee)* Please try to find an owner or employee of this enterprise to survey, even if you need to conduct the survey by phone. Below are the phone numbers we've collected for the owners/employees. Try all available phone numbers before determining all owners/employees are unreachable. Which phone number did you use to reach an owner/employee?
   |___| *[Owner Phone 1]*
   |___| *[Owner Phone 2]*
   |___| *[Employee Phone 1]*
   |___| Other phone number provided by someone: _____
   |___| Attempted all phone numbers and could not reach (submitting as untracked)
   |___| No phone number listed above (submitting as untracked)
   If you reached the owner/employee, return to question 5 and indicate that you are surveying the owner/employee. If only able to speak to a non-owner/employee, SKIP to question 9. If unable to reach anyone, end survey here.

8. *(if FR is EL2 Census Owner) Do not read:* The owner of this enterprise is *[EL2 Census Owner Name]*. Residence location is *[EL2 Census Owner Residence Location]*. Are you suspicious that this respondent is not the owner? |___| (1= Yes, 2= No)

   (if FR is EL2 Census Employee) Do not read: The employee of this enterprise is *[EL2 Census Employee Name]*. Are you suspicious that this respondent is not the employee? |___| (1= Yes, 2= No)

(if yes) Why are you suspicious? _____

9. Is this enterprise currently operational? *By operational, we mean the enterprise was operating for at least 1 day in the last 30 days.*
   |___| Yes   ***CONTINUE to question 10.***
   |___| No, temporarily closed   ***SKIP to question 11.***
   |___| No, permanently closed   ***SKIP to question 11.***
   |___| Don't know   ***CONTINUE to question 10.***

10. Is this enterprise currently open? *By open, we mean currently open for business / customers / engaged in activity.* |___| (1=Yes, 2=No)

11. In the past 12 months, what months was this enterprise operational for at least 1 day? *Select all that apply.*
    |__| All of the last 12 months
    |__| Jan |__| Feb |__| Mar |__| Apr |__| May |__| Jun |__| Jul |__| Aug
    |__| Sep |__| Oct |__| Nov |__| Dec

If FR is an owner or employee, continue . Otherwise, SKIP to question 14.

<u>Informed Consent: Read consent script to the respondent.</u>

12. Do you consent to take part in this research? |___| (1=Yes, 2=No)

13. ***Do not ask the following question. Simply record your impressions.*** Is the respondent able to proceed with the survey?
    (1=Yes-FR agrees to participate; 2=No-FR refuses to participate; 3=No-FR does not refuse but is unable to participate, 4=No-FR refuses to wear a mask) |___|

    a. Was the FR wearing a mask when you approached the enterprise? |___| (1=Yes, 2=No)
    b. Are they wearing it now? |___| (1=Yes, 2=No)
        i. ***(if no)*** Why not?
                |___| Respondent doesn't own a mask   ***Provide a mask to the FR, then continue.***
                |___| Respondent refuses to wear a mask   ***If FR refuses to wear a mask, do not continue with the survey. Return to***
    question 13 and indicate "No, FR refuses to wear a mask".

14. *a. Do not ask the following question. Describe your impressions of the refusal / inability to participate.* |___|
        1 = Wants to reschedule   ***SKIP to "Rescheduling instructions" below.***
        2 = Refusal for this round only   ***SKIP to question 14b.***
        3 = Refusal for this round and any future rounds   ***SKIP to question 14c.***

4 = Unable to survey – parent or contact refusal	***SKIP to "Closing Interview Statement".***
5 = Unable to survey – spouse refusal	***SKIP to "Closing Interview Statement".***
10 = Unable to survey – other	***SKIP to question 14d.***

Rescheduling instructions*: Please ask the FR when they are next available, and then call your team lead (or other senior team member) to confirm this day and time. If you are unable to confirm this day and time, make a tentative appointment with the FR. Then, let the FR know that you will contact them to confirm when you will return. Record this information and the current time on the tracking sheet now. End the interview.*

b. Record your impressions of why the FR refuses to participate during this survey round. If you feel comfortable doing so, you may ask the FR why: Why don't you want to participate in this survey round? ***Choose up to 3 reasons.***
|___|/|___|/|___| Other: _____

1 = Survey is too long
2 = FR has caregiving duties
3 = FR has to work
4 = FR does not want to disclose personal information
5 = FR is suspicious of REMIT
6 = FR hasn't received (further) assistance from REMIT and doesn't want to participate because of that
7 = FR just doesn't want to / no reason given
10 = Other (specify)
Skip to "Closing Interview Statement".

c. Record your impressions of why the FR refuses to participate during this round and any future rounds. If you feel comfortable doing so, you may ask the FR why: Why don't you want to participate in this round or any future survey rounds?
_____
Skip to "Closing Interview Statement".

d. Specify other reason respondent is unable to survey: _____
Skip to "Closing Interview Statement".

<u>**Closing Interview Statement**</u>**. Read:** Thank you very much for your time. If you change your mind and would like to participate in the interview, please contact us at the REMIT office. ***End interview here.***

If permanently or temporarily closed, continue. Otherwise, SKIP to the bottom of Section 1.

15. A. What year and month did this enterprise stop operating? |__||__|/|__||__||__||__| (MM/YYYY)
     B. Was this enterprise operational for at least 1 day during the last 12 months? |___| (1=Yes, 2=No)

16. Why did this enterprise stop operating? **Do not read, simply record the FRs response.** *Select all that apply.*
    |___| Closed because of lockdown/curfew
    |___| Closed because of worries about COVID-19/coronavirus
    |___| Seasonal closure / usually closed in this season
    |___| Cannot get inputs
    |___| Cannot travel or transport goods
    |___| Need to take care of an ill relative
    |___| Lack of demand
    |___| Lack of enough capital
    |___| Business running at a loss
    |___| Enterprise owner deceased
    |___| Theft / vandalism
    |___| Government requirements (by-laws, trading licenses)
    |___| Mechanical breakdown
    |___| Dissolution of the business by the partners
    |___| Other: _____
    |___| Don't know

17. *(if FR is owner / employee)* Are you planning to re-open this business? |___| (1=Yes, 2=No)

    a. **(if yes)** When are you expecting to re-open? |__||__|/|__||__||__||__| (MM/YYYY)

    b. **(if no)** Why not? **Do not read, simply record the FRs response.** *Select all that apply.*
       |___| I was not making a profit
       |___| I do not have enough capital to start again
       |___| I don't think I will find the workers
       |___| I would like to start a new / different business
       |___| I would like to take up paid employment
       |___| I would like to focus on farming
       |___| I would like to focus on childcare
       |___| I would like to get more education

|___| I am retiring
|___| Other: _____

If permanently closed and has NOT operated at least 1 day in the last 12 months:
Thank the respondent for their time. **END interview here.**

If respondent is NOT an owner / employee of the enterprise:
Thank the respondent for their time. **END interview here.**

Otherwise, CONTINUE to Section 2.

SECTION 2: Confirming Identity of the Business

Read: Now I'd like to ask you some basic questions about this enterprise. If the enterprise is no longer operating, or temporarily closed, we want to get the following information about the enterprise at the time that it closed.

Below is the information we collected about this enterprise at *[EL2 Census Date]*. We will recollect some of this information to make sure it is updated.

    Enterprise name: *[EL2 Census Business Name]*
    Primary enterprise category: *[EL2 Census Primary Business Category]*
    Secondary enterprise category: *[EL2 Census Secondary Business Category]*
    Primary operating location: *[EL2 Census Enterprise Village or Market Center 1]*
        Primary location, operate from: *[EL2 Census Operate From]*
    Secondary operating location: *[EL2 Census Enterprise Village or Market Center 2]*
    Tertiary operating location: *[EL2 Census Enterprise Village or Market Center 3]*
    Owner names: *[EL2 Census Owner Name]*

1. What is/was the name of the business? _____

2. Primary business category? *Note: If more than one business category, the primary business category is the category that generates the most revenue for the enterprise.* |___| *Select from business category codes.*
   a. **(if retail)** What type of products does/did this enterprise sell? |____|

b. **(if non-food)** What type of products does/did this enterprise produce/sell? |____|

c. **(if different from EL2 Census)** At *[EL2 Census Date]*, you said the primary business category was *[EL2 Census Primary Business Category]*. Why is this different?
|___| Category did not change since *[EL2 Census Date]*, previous information was wrong.   ***SKIP to question 3.***
|___| Actual change   ***Continue to question 2d.***

d. Why did the primary category of this business change from *[EL2 Census Primary Business Category]* to *[EL2 Updated Primary Business Category]*? _____

3. Any secondary business categories? *Select all that apply.* |___| *Select from business category codes.*
   a. **(if retail)** What type of products does/did this enterprise sell? |____|
   b. **(if non-food)** What type of products does/did this enterprise produce/sell? |____|

4. Is/was the primary location of this enterprise still *[EL2 Census Enterprise Village or Market Center 1]*? *Note: For non-roaming enterprises that have multiple locations, the primary location is where most of the enterprise's assets are located. For roaming enterprises, the primary location is where the enterprise does business most often (for example, the market where they most frequently sell goods).* |___| (1=Yes, 2=No)
   If YES, skip to question 5. If NO, continue to question 4a.

   a. At *[EL2 Census Date]*, we recorded the primary location of this business as *[EL2 Census Enterprise Village or Market Center 1]*. Why is this different?
   |___| Category did not change since *[EL2 Census Date]*, previous information was wrong.   ***SKIP to question 5.***
   |___| Actual change   ***Continue to question 4b.***

   b. Why did the primary location of this business change? _____

   c. Where is/was the primary location of this enterprise?
   Village: _____ OR Market center: _____

   d. Please describe the location of the enterprise *(Hint: Provide detailed description to the (primary) enterprise location, including landmarks, distance from roads and any other detailed information where relevant. If there is a primary school nearby, please start your directions from that school. If not, pick a location that is well known in the area to be a starting point for your directions. References to specific businesses or homes ("ask for the home of…") should be included where possible. If the enterprise operates from multiple locations, please get directions to the place the enterprise is most likely to operate from)*:
   _____

e. When did the primary enterprise location change from *[EL2 Census Enterprise Village or Market Center 1]*? |__||__|/|__||__||__||__| (MM/YYYY)

f. At the primary enterprise location, where does/did this enterprise operate?
|___| Homestead
|___| Market stall
|___| Own building
|___| Share building
|___| No building
|___| Other, specify:_____

g. Which days of the week is/was this business usually operating at this primary location?
|___| Open every day
|___| Monday
|___| Tuesday
|___| Wednesday
|___| Thursday
|___| Friday
|___| Saturday
|___| Sunday
|___| Don't know

5. Below is a list of other enterprise locations we know about. Please select which locations the enterprise still uses/was using as other operating locations:
|____| *[EL2 Census Enterprise Village or Market Center 2]*
|____| *[EL2 Census Enterprise Village or Market Center 3]*
|____| None of the above

a. How many other locations does/did this enterprise operate from, besides those already mentioned? *Note: Here, we want to make sure we capture enterprises with multiple locations (for example: multiple plants / buildings / etc.) or moving enterprises (for example: home production as the primary location, but weekly presence at a market)* |____| *Enter 0 if no other locations.*

LOOP through all additional enterprise locations {

b. Where is/was the additional location of this enterprise?
Village: _____ OR Market center: _____

c. When did this enterprise start operating at this location? |__||__|/|__||__||__||__| (MM/YYYY)

d. Which days of the week is/was this business usually operating at this location?
|___| Open every day
|___| Monday
|___| Tuesday
|___| Wednesday
|___| Thursday
|___| Friday
|___| Saturday
|___| Sunday
|___| Don't know

} end of LOOP through additional enterprise locations

SECTION 3: Enterprise Owners, Employees, and Contact Information

Read: Now, I would like to ask you about the owners and paid employees of this business. If the enterprise is no longer operational, I would like to know this information for the period within the last 12 months when this enterprise was operational.

SECTION 3A: Owners

1. What is/was the ownership structure of this enterprise? *Note: an enterprise has a Single Owner if all of its assets are owned by one individual person. If more than one person has a claim to the enterprise's assets (such as the original owner plus their spouse), it is considered Joint Ownership. If an enterprise is owned by everyone involved with or working for it, it is considered a Cooperative.*
   |___| Single Owner
   |___| Joint Ownership
   |___| Cooperative

2. From the last time we collected information about this enterprise at *[EL2 CENSUS DATE]*, we collected the names of *[# of OWNERS FROM CENSUS]* owners. This includes the following people: *[LIST OF EL2 CENSUS OWNERS]*. I will now ask about each of these

people in turn to confirm whether they are still owners of this enterprise (or were owners of this enterprise at the time it closed).

LOOP through each owner from EL2 census {

a. Does *[EL2 CENSUS OWNER NAME 1/2/3]* still own this business / did *[EL2 CENSUS OWNER NAME 1/2/3]* still own this business at the time it closed?
|___| Yes, still an owner   ***SKIP to the next prefill owner.***
|___| No, no longer an owner   ***Continue to question 2b.***
|___| Was never an owner / previous information is incorrect   ***SKIP to the next prefill owner.***

b. Why did/does *[EL2 CENSUS OWNER NAME 1/2/3]* no longer own the business?
|___| Deceased
|___| Divorced
|___| Moved away
|___| Retired
|___| Sold the enterprise / bought out
|___| Other: _____

c. ***(if non-deceased)*** For what amount was *[EL2 CENSUS OWNER NAME 1/2/3]* compensated for transferring ownership of the business? E*nter 0 if not compensated.* |____| KSh

} end of LOOP through owners from EL2 census

3. Besides the owners mentioned above, how many other owners does/did this enterprise have? *Enter 0 if none.* |___|

READ: You stated there are/were *[# of OTHER OWNERS]* other owners of this enterprise. Please tell me the names of these other owners. If there are more than 5, please tell me about the 5 most important co-owners. *Note: The "importance" of a co-owner is defined by their ownership share of the enterprise's assets or their decision-making power.*

LOOP through each other owner {

4. What is the name of other owner #1/2/3/4/5: _____

} end of LOOP through other owners

5. **(if currently operational)** There are *[# OF ALL CURRENT OWNERS]* owners of this enterprise / there were *[# OF OWNERS AT TIME OF CLOSING]* owners of this enterprise. Please rank the owners in order of importance to the enterprise. *Note: 'Importance' of a co-owner is defined by their ownership share of the enterprise's assets or their decision-making power.*
   |____| [Owner 1]
   |____| [Owner 2]
   |____| …

Read: I will now ask a few further questions about each owner in turn.

LOOP through ALL owners (prefill verified and newly mentioned) {

6. a. I would like to match the household of *[OWNER NAME]* to our study's village census. I will start by asking where *[OWNER NAME]* lives.
   County: _____
   Sub County: _____
   Location: _____
   Sublocation: _____
   Village: _____
   HHID: _____ (done in SurveyCTO)

   If CURRENTLY OPERATIONAL, CONTINUE. If NOT OPERATIONAL, ask the following only for the primary owner. Otherwise, SKIP to the next owner.

   b. What is this *[OWNER NAME]*'s relationship to the *[PRIMARY OWNER]*? |___| Use G4 codes
   c. What is this *[OWNER NAME]*'s gender? |___| (1=Male, 2=Female)
   d. What is this *[OWNER NAME]*'s age (in years)? |___| (is this an estimated age? |___| (1=Yes, 2=No))
   e. Which school system did *[OWNER NAME]* participate in? _____
   f, What is the highest level of education that *[OWNER NAME]* has completed? _____
   g. What is *[OWNER NAME]*'s ethnicity (tribe)? _____
   h. When did *[OWNER NAME]* start working for this enterprise?
       Year: _____
       Month: _____
   I. Is there a phone number where I can reach *[OWNER NAME]*, even if he/she does not have his/her own phone? *Note: If the owner is the FR, just ask this question for the FR.* |___| (1=Yes, 2=No)

   (***If YES***)   i. Please provide me with this number: |__|__|__|__|__|__|__|__|__|__|

ii. Whose phone is this? ***Write name.*** _____

iii. What is this person's relationship to *[OWNER NAME]*? ***Use G4 codes.*** |___| Other: _____

(if primary owner) Can you give me another phone number to reach *[OWNER NAME]*? |___| (1=Yes, 2=No)

(***If YES)***   i. Please provide me with this number: |__|__|__|__|__|__|__|__|__|__|

               ii. Whose phone is this? ***Write name.*** _____

               iii. What is this person's relationship to *[OWNER NAME[*? ***Use G4 codes.*** |___| Other: _____

} end of LOOP through all owners

SECTION 3B: Paid employees

7. **(If CURRENTLY OPERATIONAL)** How many paid employees work in this enterprise? *Do not include owner or co-owner(s).* |___|
   (If NOT OPERATIONAL) How many paid employees usually worked in this enterprise at a given point in time when the enterprise was operating over the last 12 months? *Do not include owner or co-owner(s).* |___|

If CURRENTLY OPERATIONAL, continue. Otherwise, SKIP to section 4.

Read: You stated there are *[# of EMPLOYEES]* employees. I will now ask a few further details about each employee. If there are more than 5, please tell me about the 5 most important employees.

LOOP through each paid employee {
8.
   a. What is the name of employee #1/2/3/4/5: _____
   b. I would like to match the household of *[EMPLOYEE NAME]* to our study's village registers. I will start by asking where *[EMPLOYEE NAME]* lives.
          County: _____
          Sub County: _____
          Location: _____
          Sublocation: _____
          Village: _____
          HHID: _____ (done in SurveyCTO)
   c. Aside from being an employee, what is *[EMPLOYEE NAME]*'s relationship to *[PRIMARY OWNER]*? |___| *Use G4 codes.*
   d. What is this *[EMPLOYEE NAME]*'s gender? |___| (1=Male, 2=Female)

e. What is this *[EMPLOYEE NAME]*'s age (in years)? |___| (is this an estimated age? (1=Yes, 2=No) |___|)
f. Which school system did *[EMPLOYEE NAME]* participate in? _____
g. What is the highest level of education that *[EMPLOYEE NAME]* has completed? _____
h. What is *[EMPLOYEE NAME]*'s ethnicity (tribe)? _____
i. When did *[EMPLOYEE NAME]* start working for this enterprise? *Use -99 for DK.*
      Year: _____
      Month: _____

j. (***If loop <= 2***) Is there a phone number where I can reach *[EMPLOYEE NAME]*, even if he/she does not have his/her own phone? (1=Yes, 2=No, -99=DK) |___|

(***If YES***)   i. Please provide me with this number: |__|__|__|__|__|__|__|__|__|__|
                    ii. Whose phone is this? ***Write name.*** _____
                    iii. What is this person's relationship to *[EMPLOYEE NAME]*? ***Use G4 codes.*** |___| Other: _____

} end of LOOP through paid employees

Section 4: Business Operations / Profits / Revenue

Read: Now, I would like to ask you about the operations of the business. If the enterprise is no longer operational, I would like to know this information for the period within the last 12 months when this enterprise was operational.

1. a. **(If CURRENTLY OPERATIONAL)** In the past 7 days, what days was this enterprise open? *Select all that apply.*
   b. **(If NOT OPERATIONAL)** When it still operated, what days was this enterprise usually open in a typical 7-day period? *Select all that apply.*
   |__| Open every day
   |__| Monday |__| Tuesday |__| Wednesday |__| Thursday |___| Don't know
   |__| Friday |__| Saturday |__| Sunday |__| None
   If none, go to question 3.

2. On those days when the enterprise was open, how many hours was the enterprise usually open per day? |___|

3. a. **(If CURRENTLY OPERATIONAL)** In total, how many HOURS was this enterprise open for customers in the last 7 days? |___|
   b. **(If NOT OPERATIONAL)** In total, how many HOURS was this enterprise open in a typical 7 day period when it was still operational? |___|

4. What were the total earnings of this enterprise in the: *Note: in this instance, "earnings" refers only to revenue, not profit. Only count money in, do not subtract any expenses. Therefore, even if a business is not profitable / loses money, their revenue must be a positive number.*
   a. **(If CURRENTLY OPERATIONAL)** Last 7 days? |____| KSh
   b. **(If CURRENTLY OPERATIONAL)** In the last 30 days? |____| KSh
   c. Last 12 months |____| KSh

5. What was the total profit of this enterprise over the: *Note: Here we mean the amount the business received AFTER paying for expenses for this business, including hired workers, money for household members who helped, purchase of goods for sale or for inputs, such as raw materials, fuel, and electricity, but before purchasing personal items for yourself or your household. If unsure, FR can estimate. Ask in terms of ""commission"" if the FR runs an M-Pesa shop. If the business is co-owned, please report the TOTAL profit of the business, not only your share.)*
   a. **(If CURRENTLY OPERATIONAL)** Last 7 days? |____| KSh
   b. **(If CURRENTLY OPERATIONAL)** In the last 30 days? |____| KSh
   c. Last 12 months? |____| KSh

If enterprise if currently operational, continue. Otherwise, SKIP to section 5.

SECTION 4A: Customers

6. Does this enterprise accept mobile money for payment? |___| (1=Yes, 2=No)
   a. **(if yes)** In the last 30 days, what share of sales was done via mobile money? |___|%

7. What share of your total sales is made to… *(Probe: Out of 10 KSh you earned in the last 30 days, how many of those were earned from…)*
   a. … final consumers/private individuals who purchase for consumption? |___|%
   b. … other enterprises/individuals (who will use your products / services to process or resell)? |___|%
      If [8a + 8b != 100] Warning: The shares should equal to 100.

8. How many customers did this enterprise have:
   a. Yesterday |___|

b. In the last 7 days |___|

9. In the last 30 days, what share of your total revenue came from…
   (Probe: Out of 100 KSh you earned in the last 30 days, how many of those were earned from…)
   a. within this village? |___|
   b. within this sublocation but outside of this village? |___|
   c. within this location but outside of this sublocation? |___|
   d. from Towns in Siaya County (Siaya, Ugunja, Ukwala, Sega, etc.)? |___|
   e. from other places in Kenya? |___|
   f. from places outside of Kenya? |___|
   If [10a + 10b + 10c + 10d + 10e + 10f != 100] Warning: The shares should equal to 100.

SECTION 4B: Refining Revenue

Read: Now, we are going to ask you a few detailed questions about this business' finances. We would like you to think about all the money that CAME IN to this business in the IN THE LAST 30 DAYS. Please remember to focus on all of the money this business collected from customers BEFORE paying any expenses or salaries.

I would like to remind you that we are collecting this information only for academic research purposes, and will not share this information with anyone else.

A few questions ago, you stated that this business' sales in the last 30 days were: *[SECTION 4 QUESTION 5B REVENUE]* KSh. Through the next questions, we will calculate MULTIPLE ESTIMATES for this business' sales. At the end of this section, we will ask your "FINAL BEST ESTIMATE" for this business' sales in the last 30 days.

1. Which of the following types of business do you consider this business to be?

   |___| **Contracts:** You work on a contract for a certain amount of time and receive a certain amount of money that is decided ahead of time in the contract. You do not collect money every day from customers.

   |___| **Frequent:** You have at least 10 sales transactions every week to individual customers only. That is customers buy a product/service from you 10 or more times per week.

|___| **Infrequent:** You have less than 10 sales transactions every week to individual customers.

|___| **Contracts and Frequent:** You work on contracts as well as individual customers who purchase your products/ services on a daily basis at least 10 times per week.

|___| **Contracts and Infrequent:** You work on contracts as well as individual customers who purchase your products/ services on a daily basis less than 10 times per week.

(If business is a CONTRACT business): You stated that this business makes earnings through <u>CONTRACTS</u>. Please think about all that contract work completed in the last 30 days.

2. Now, we will collect your **first estimate** on sales in the last 30 days from contract work. What were the total sales/earnings in the last 30 days from contract work? This is the total amount of money that the business received through contracts. It includes all the money brought in to the business before paying any bills, expenses, or salaries. |_____| KSh

3. To get us closer to your **second estimate**, we are now going to ask you some questions about your sales on a PER CONTRACT BASIS. In the last 30 days, HOW MANY CONTRACTS was this business working on or is it still currently working on? *Please include contracts that were completed in the last 30 days, those that have been ongoing for the last 30 days, and those that are new in the last 30 days.* |___|

LOOP through each contract from the last 30 days {

a. Briefly describe the work involved in this contract #1/2/3/…: _____

b. Was this contract with any of the following buyers? *Select from frequent buyer list from Section 4.1*
    If not selected from frequent buyers list and the contract client is another business, continue. Otherwise, SKIP to 3e.

c. Where is this client located?
    Village: _____ OR Market center: _____

d. I would like to match this client to our study's enterprise census conducted in September - December 2019. Which of the following enterprises is this client? _____ (done in SurveyCTO)

e. What date did this business START this contract? |__||__|/|__||__|/|__||__||__||__| (DD/MM/YYYY)

f.   What date did this business END (or will end) this contract? |__||__|/|__||__|/|__||__||__||__| (DD/MM/YYYY)

g.   The contract started on *[START DATE]* and ends on *[END DATE]*. So, the total days (entire length) of this contract is *[# OF DAYS BETWEEN START AND END DATE]* days. Is this correct? |___| (1= Yes, 2= No)

h.   And that means there *[# OF CONTRACT DAYS WITHIN LAST 30 DAYS]* days worked on this contract in the last 30 days. Is this correct? |___| (1= Yes, 2= No)

i.   What was the TOTAL VALUE of this contract? *We mean what amount of money did (or will) your business receive for all of the work in this contract BEFORE any bills, expenses or salaries are paid?* |____| KSh

j.   Below is a summary of the information you've provided about contract #1/2/3/…:
> Start date: *[START DATE]*
> End date: *[END DATE]*
> Total duration of contract: *[# OF DAYS BETWEEN START AND END DATE]* days
> Days worked on this contract in the last 30 days: *[# OF CONTRACTS DAYS WITHIN LAST 30 DAYS]* days

The total value of this contract over *[# OF DAYS BETWEEN START AND END DATE]* days is *[TOTAL CONTRACT VALUE]*.
In the last 30 days, this business worked on this contract for *[# OF CONTRACT DAYS WITHIN LAST 30 DAYS]* days.
So, the portion of this contract that can be included in this business' sales in the last days is *[TOTAL CONTRACT VALUE * SHARE OF CONTRACT DAYS WITHIN LAST 30 DAYS]*. This is the amount of money from this contract that corresponds to the work this business completed on it during the last 30 days. Is this correct? |___| (1= Yes, 2= No)

} end of LOOP through each contract in the last 30 days

From what you have told us about this business' *[# OF CONTRACTS]* contracts, we calculate that the total sales collected in the last 30 days from these contracts is *[SUM OF ALL CONTRACT VALUES WITHIN LAST 30 DAYS]*. This total includes:
> Contract #1: *[CONTRACT VALUE WITHIN LAST 30 DAYS]*
> Contract #2: *[CONTRACT VALUE WITHIN LAST 30 DAYS]*
> Contract #3: *[CONTRACT VALUE WITHIN LAST 30 DAYS]*
> ……

4.   Now, let's review your estimates for sales in the last 30 days from <u>CONTRACT WORK</u>.
> Estimate #1: FIRST GUESS = *[FIRST ESTIMATE FROM QUESTION 2]*
> Estimate #2: SUM OF INDIVIDUAL CONTRACTS = *[SUM OF ALL CONTRACT VALUES WITHIN LAST 30 DAYS]*

Using these numbers to guide you, what is your FINAL BEST ESTIMATE for total sales from <u>CONTRACT WORK</u> in the last 30 days? *We mean how much money did you get from contract services in the past 30 days before you paid any bills, expenses, or salaries.* |_____| KSh

    a. So, this business' TOTAL SALES IN THE LAST 30 DAYS from contract work is: *[CONTRACTS FINAL BEST GUESS]*
       Does this amount seem correct to you? |____| (1= Yes, 2= No)

SKIP to question 13.

(If business is a FREQUENT SALES business): You stated that this business makes earnings through <u>FREQUENT SALES</u> to customers. Please think about all the sales made to individual customers in the last 30 days.

5. Now, we will collect your **first estimate** on sales in the last 30 days from customer sales. What were the total sales/earnings in the last 30 days from customer sales? |_____| KSh

6. To get us closer to your **second estimate**, we are now going to ask you some questions about this business' sales on a WEEKLY BASIS.
    a. Think of the BEST WEEK for this business in the last 30 days. This is the week where the business sold the MOST. What were the total earnings of this enterprise in THAT BEST WEEK? *Note: in this instance, "earnings" refers only to revenue, not profit. Only count money in, do not subtract any expenses. Therefore, even if a business is not profitable / loses money, their revenue must be a positive number.* |_____| KSh

    b. Think of the WORST WEEK for this business in the last 30 days. This is the week where you sold the LEAST. What were the total earnings of this enterprise in THAT BEST WEEK? *Note: in this instance, "earnings" refers only to revenue, not profit. Only count money in, do not subtract any expenses. Therefore, even if a business is not profitable / loses money, their revenue must be a positive number.* |_____| KSh

    c. Based on what you just told me about the total sales in the BEST WEEK and in the WORST WEEK, we can estimate this business' sales in the last 30 days to be approximately: [AVERAGE WEEK * 4.25 weeks]

       We calculated this **second estimate** by taking the average of the best and worst weeks, then multiplying it by the number of weeks in a month. Does this amount seem correct to you? |____| (1= Yes, 2= No)

7. To get us closer to your **third estimate**, we are now going to ask you some questions about this business' sales on a DAILY BASIS.

a. In a TYPICAL WEEK, how many days is this business open? *This is the number of days that the business is operational. Emphasize to the respondent that it is not the number of days the respondent works at the business, but the total number of days the business is open to customers.* |____|

b. What were the business' total sales YESTERDAY (or the most recent day this business was open)? *Note: in this instance, "earnings" refers only to revenue, not profit. Only count money in, do not subtract any expenses. Therefore, even if a business is not profitable / loses money, their revenue must be a positive number.* |_____| KSh

c. Think of the BEST DAY in this business in the last 30 days. This is the day where it sold the MOST. What were the total earnings of this enterprise in THAT BEST DAY? *Note: in this instance, "earnings" refers only to revenue, not profit. Only count money in, do not subtract any expenses. Therefore, even if a business is not profitable / loses money, their revenue must be a positive number.* |____| KSh

d. Think of the WORST DAY in this business in the last 30 days. This is the day where it sold the LEAST. What were the total earnings of this enterprise in THAT WORST DAY? *Note: in this instance, "earnings" refers only to revenue, not profit. Only count money in, do not subtract any expenses. Therefore, even if a business is not profitable / loses money, their revenue must be a positive number.* |____| KSh

e. Let's confirm what you have told me about the business' daily sales in the last 30 days.
Sales on BEST DAY = *[SALES FROM QUESTION 6C]*
Yesterday's total sales = *[SALES FROM QUESTION 6B]*
Sales on WORST DAY = *[SALES FROM QUESTION 6D]*

Now think about a TYPICAL DAY for your business in the last 30 days. Using these 3 numbers to guide you, what is your best estimate of how much money you usually get from selling your products/services to customers on an AVERAGE OR TYPICAL DAY? |____| KSh

f. Based on what you just told me about the total sales on your TYPICAL DAY, we can estimate your sales in the last 30 days to be approximately *[TYPICAL DAY EARNINGS * DAYS WORKED IN A TYPICAL WEEK * 4.25 WEEKS IN A MONTH]*. Does this amount seem correct to you? |___| (1= Yes, 2= No)

8. Next, let's review your estimates for sales in the last 30 days from <u>FREQUENT CUSTOMER SALES</u>.
Estimate #1: FIRST GUESS = *[FIRST ESTIMATE FROM QUESTION 5]*
Estimate #2: AVERAGE OF BEST AND WORST WEEKS (MULTIPLIED BY 4.25) = *[AVERAGE WEEK SALES * 4.25]*
Estimate #3: SUM OF TYPICAL DAILY SALES (OVER LAST 30 DAYS) = *[TYPICAL DAY SALES * TYPICAL DAYS OPEN IN A WEEK * 4.25]*

Using these numbers to guide you, what is your FINAL ' BEST' ESTIMATE for the total sales in the last 30 days? |_____| KSh

    a. So, this business' total sales in the last 30 days from <u>CUSTOMER SALES</u> is *[FREQUENT SALES FINAL BEST GUESS]*. Does this amount seem correct to you? |____| (1= Yes, 2= No)

SKIP to question 13.

(If business is an INFREQUENT SALES business): You stated that this business makes earnings through <u>INFREQUENT SALES</u> to customers. Please think about all the sales made to customers in the last 30 days.

9. Now, we will collect your **first estimate** on sales in the last 30 days from customer sales. What were the total sales/earnings in the last 30 days? *Note: in this instance, "earnings" refers only to revenue, not profit. Only count money in, do not subtract any expenses. Therefore, even if a business is not profitable / loses money, their revenue must be a positive number.* |_____| KSh

10. To get us closer to your **second estimate**, we are now going to ask you some questions about this business' sales on a WEEKLY BASIS.
    a. Think of the BEST WEEK for this business in the last 30 days. This is the week where the business sold the MOST. What were the total earnings of this enterprise in THAT BEST WEEK? *Note: in this instance, "earnings" refers only to revenue, not profit. Only count money in, do not subtract any expenses. Therefore, even if a business is not profitable / loses money, their revenue must be a positive number.* |____| KSh

    b. Think of the WORST WEEK for this business in the last 30 days. This is the week where you sold the LEAST. What were the total earnings of this enterprise in THAT BEST WEEK? *Note: in this instance, "earnings" refers only to revenue, not profit. Only count money in, do not subtract any expenses. Therefore, even if a business is not profitable / loses money, their revenue must be a positive number.* |____| KSh

    c. Based on what you just told me about the total sales in the BEST WEEK and in the WORST WEEK, we can estimate this business' sales in the last 30 days to be approximately: [AVERAGE WEEK * 4.25 weeks]

        We calculated this **second estimate** by taking the average of the best and worst weeks, then multiplying it by the number of weeks in a month. Does this amount seem correct to you? |____| (1= Yes, 2= No)

11. To get us closer to your **third estimate**, we are now going to ask you some questions about your sales on a PER TRANSACTION BASIS. How many sales transactions did you have in the past 7 days? |____|

a. Please enter the amount of money you collected for each transaction.

Transaction #1:		_____	KSh
Transaction #2:		_____	KSh
Transaction #3:		_____	KSh
Transaction #4:		_____	KSh
Transaction #5:		_____	KSh
Transaction #6:		_____	KSh
Transaction #7:		_____	KSh
Transaction #8:		_____	KSh
Transaction #9:		_____	KSh
Transaction #10:		_____	KSh

b. From what you have told us about your transactions, we can calculate the business' TOTAL SALES IN THE LAST 7 DAYS as *[SUM OF ALL TRANSACTIONS IN LAST 7 DAYS]*. This total sales estimate is obtained by summing up the value of all your individual transactions just discussed.

c. In the last 7 days, you told us you collected: *[SUM OF ALL TRANSACTIONS IN LAST 7 DAYS]*. What kind of week was last week for this business? |___| Slow week |___| Normal week |___| Busy week

d. In the last 30 days, how much money did this business usually collect in sales during a NORMAL WEEK? |___| KSh

e. Based on what you told us about your normal week, we can estimate your sales for the past 30 days to be *[SALES IN NORMAL WEEK * 4.25]* KSh. We got this **third estimate** for your monthly sales by taking your normal week sales and multiplying it by 4.25 weeks in a month. Does this amount seem correct to you? |___| (1= Yes, 2= No)

12. Next, we are going to review your estimates for sales in the last 30 days.
    Estimate #1: FIRST GUESS = *[FIRST ESTIMATE FROM QUESTION 9]*
    Estimate #2: AVERAGE OF BEST AND WORST WEEKS (MULTIPLIED BY 4.25) = *[AVERAGE WEEK SALES * 4.25]*
    Estimate #3: SUM OF TYPICAL WEEK SALES ((MULTIPLIED BY 4.25) = *[TYPICAL WEEK SALES * 4.25]*

    Using these numbers to guide you, what is your FINAL 'BEST' ESTIMATE for the total sales in the last 30 days? |____| KSh

    a. So, this business' total sales in the last 30 days from <u>INFREQUENT CUSTOMER SALES</u> is *[INFREQUENT SALES FINAL BEST GUESS]*. Does this amount seem correct to you? |___| (1= Yes, 2= No)

13. So, this business' total sales for last 30 days is: *[SUM OF BEST GUESS SALES FROM ALL BUSINESS TYPES (contract + frequent sales + infrequent sales)]* Do you agree with this number? |___| (1= Yes, 2= No)

SECTION 4C: Capacity Utilization

1. Assume this business was operating at FULL PRODUCTION CAPABILITY for 30 days. What would be the total earnings of this business at full production capability over 30 days? *Assume the following conditions:*
   · *existing machinery and equipment in place and ready to operate.*
   · *normal downtime*
   · *labor, materials, utilities, etc. are fully available*
   · *the number of shifts, hours of operation and overtime pay that can be sustained under normal conditions and a realistic work schedule in the long run.*
   · *the same product mix as the actual production.*

   Amount: |_____| KSh

2. In the previous section, you stated your best guess of this business' total earnings over the last 30 days as *[TOTAL REVENUE BEST GUESS]* KSh. If this business could earn *[ESTIMATED EARNINGS OVER 30 DAYS AT FULL PRODUCTION CAPABILITY]* KSh over 30 days if operating at full production capability, that means this enterprise was operating at *[BEST GUESS / FULL CAPACITY * 100]* % of full capacity over the past 30 days. Does that sound right?
   |___| Yes
   |___| No, a better value would be: |_____| %

SECTION 5: Labor

SECTION 5A: Co-Owners

Read: Earlier we discussed *[# OF CO-OWNERS FROM SECTION 3]* co-owners of this business. I would now like to ask you a few questions about the work these owners did for the business, and compensation they received.

1. **(if CURRENTLY OPERATIONAL)** How many hours did each of these owners work in this enterprise over the last 7 days? *Note: If more than 5, just list the 5 most important owners collected above.*
   a. Owner #1 hours: |____|
   b. Owner #2 hours: |____|
   c. Owner #3 hours: |____|
   d. Owner #4 hours: |____|
   e. Owner #5 hours: |____|

   f. **(if total number of owners > 5)** What is the total amount of hours all other owners (excluding those just discussed) worked in this enterprise over the last 7 days? *Sum across all other owners, and over all 7 days.* |___|

2. **(If NOT OPERATIONAL)** What is the total amount of hours all owners worked in this enterprise over a typical 7-day period during the last 12 months when the enterprise was operational? *Sum across all owners, and over all 7 days.* |___|

3. **(If CURRENTLY OPERATIONAL and number of owners > 1)** You said the business generated *[SECTION 4 QUESTION 6B PROFITS]* KSh of profits in the last 30 days. Of these *[SECTION 4 QUESTION 6B PROFITS]* KSh how much did each of the owners receive?
   |____| Equal share
   |____| Unequal share, specify **(up to the 5 most important owners)**:
       a. Owner #1 compensation: |____| KSh
       b. Owner #2 compensation: |____| KSh
       c. Owner #3 compensation: |____| KSh
       d. Owner #4 compensation: |____| KSh
       e. Owner #5 compensation: |____| KSh

4. **(If CURRENTLY OPERATIONAL)** Did the owners of this enterprise receive any other compensation (e.g. wages, food, transport, etc.) not already contained in the *[SECTION 4 QUESTION 6B PROFITS]* KSh of profits they received in the last 30 days? *Note: additional compensation is any financial or in-kind benefit that the owners of this household received from this enterprise, not already counted under profits above.* |___| (1= Yes, 2= No)

   a. **(if yes)** Specify **(up to the 5 most important owners)**: How much additional compensation (other than profits) did each owner received in the last 30 days:
       i. Owner #1 compensation: |____| KSh

       ii.   Owner #2 compensation: |_____| KSh
      iii.   Owner #3 compensation: |_____| KSh
      iv.   Owner #4 compensation: |_____| KSh
      v.   Owner #5 compensation: |_____| KSh

  b. **(if yes and number of owners > 5)** What is the total amount of additional compensation (other than profits) that all other owners received in the last 30 days (including the 5 owners just mentioned above)? *Sum across all owners, and over all 30 days.* |___|

5. **(If NOT OPERATIONAL)** Did the owners of this enterprise receive any other compensation (e.g. wages, food, etc.) not already contained in the *[SECTION 4 QUESTION 6C PROFITS]* KSh of profits they received in the last 12 months? *Note: additional compensation is any financial or in-kind benefit that the owners of this household received from this enterprise, not already counted under profits above.* |___| No / Yes

  a. **(if yes)** What is the total amount of additional compensation (other than profits) that all owners received in the last 12 months? *Sum across all owners, and over all 12 months.* |___|

SECTION 5B: Employment

Read: Earlier we discussed *[# OF PAID EMPLOYEES FROM SECTION 3]* paid employees of this business. I would now like to ask you a few questions about the work these employees did for the business, and compensation they received.

6. **(if CURRENTLY OPERATIONAL)** How many hours did each of these employees work in this enterprise over the last 7 days? *Note: If more than 5, just list the 5 most important employees collected above.*
    a. Employee #1 hours: |_____|
    b. Employee #2 hours: |_____|
    c. Employee #3 hours: |_____|
    d. Employee #4 hours: |_____|
    e. Employee #5 hours: |_____|

    f. **(if total number of employees > 5)** What is the total amount of hours all other employees (excluding those just discussed) worked in this enterprise over the last 7 days? *Sum across all other owners, and over all 7 days.* |___|

7. **(If NOT OPERATIONAL and # of employees > 0)** What is the total amount of hours all employees worked in this enterprise in a typical 7-day period? |___|

8. **(if CURRENTLY OPERATIONAL)**What was the total compensation each of these employees received over the last 30 days? *Include salaries and any in-kind remuneration.*
      a. Employee #1 compensation: |____| KSh
      b. Employee #2 compensation: |____| Ksh
      c. Employee #3 compensation: |____| KSh
      d. Employee #4 compensation: |____| KSh
      e. Employee #5 compensation: |____| KSh

      f. **(if total number of employees > 5)** What is the total compensation all other employees (excluding those just discussed) in the last 30 days? |____| KSh

9. **(If NOT OPERATIONAL and # of employees > 0)** What was the total compensation of all employees together over the last 12 months when this enterprise was operational? *Include salaries and any in-kind remuneration.* |____| KSh

10. **(If CURRENTLY OPERATIONAL)** How many volunteers / unpaid workers currently work in this enterprise? *Volunteers are unpaid employees.* |___|

   (If NOT OPERATIONAL) How many volunteers worked in this enterprise at a given point in time when the enterprise was operating? *Volunteers are unpaid employees.* |___|

11. **(if CURRENTLY OPERATIONAL and # of volunteers > 0)** What is the total amount of hours all volunteers worked in this enterprise over the last 7 days? |___|

   (if NOT OPERATIONAL and # of volunteers > 0) What is the total amount of hours all volunteers from outside this household worked in this enterprise over a typical 7-day period? |___|

IF CURRENTLY OPERATIONAL, CONTINUE. Otherwise, SKIP to Section 7.

SECTION 5C: Labor Utilization

If FR is owner, continue. Otherwise, SKIP to Section 6.

Read: Now, I'd like to ask you a few questions about what activities you did on the last day you personally worked.

12. Think of the last day you worked at this enterprise.

a. At what hour did you START working: |__||__|:|__||__|
b. At what hour did you STOP working: |__||__|:|__||__|

13. On your last day at work, you worked between *[START HOUR]* and *[END HOUR]*. I want you to think specifically about what you were doing at *[ONE HOUR SLOT RANDOMLY SELECTED WITHIN SURVEYCTO]* and over the following hour.

Read: Think of that hour as a continuous series of scenes or episodes in a film, where the episode changes when you switch activities. Give each episode a brief name, for example, "interacting with customers", or "taking lunch", or "buying supplies". Think about the approximate minutes at which each episode began and ended / how long each episode was. Try to be as specific and detailed as you can.
(FO Note: Give the respondent enough time to think it through. They may also write it down on a piece of paper)

Now, describe what you were doing over the that hour.

LOOP through 5-minute intervals of the selected hour {
What were you doing from XX:00 to XX:05?
|___| Same as previous interval
|___| Away from business premises doing an activity not related to this business (e.g.going to the doctor, picking up kids, shopping etc.)
|___| Book-keeping / business records
|___| Eating or resting
|___| Interact with customers
|___| Look for new input suppliers
|___| Look for / apply for new loans
|___| Look for / buy new machines
|___| Look for / interview potential workers
|___| Maintenance of machines or equipment
|___| Manage existing loans
|___| Organizing the stock, cleaning, tidying up
|___| Procure inputs for the production of products from suppliers
|___| Supervise other workers
|___| Train other workers
|___| Waiting for customers at the business premises
|___| Work on production of any product
|___| Other productive activity

} end LOOP through selected hour

SECTION 6: BUSINESS ASSETS

SECTION 6A: Capital

Read: Now, I'd like to ask you a few questions about the physical and financial assets of this enterprise and its recent investments into such assets.

1. **(if FR is an owner)** How much did you invest in order to start, purchase or gain control of this business? *Include all monetary assistance that others contributed to allow FR to start this business. (0 = Business was inherited or transferred for free (gift))* |____| KSh

2. **(if FR is an owner)** How did you obtain the resources you initially invested in this business? *Select all that apply.*
   |__| Own savings |__| Loan from relatives |__| Gift from relatives |__| Loan from friends
   |__| Gift from friends |__| Bank loan |__| Merry-go-round |__| SACCO
   |__| Shylock / moneylender|__| Mobile credit |__| NGO cash transfer |__| Other (specify)

3. Does this enterprise currently have any outstanding loans? |____| (1= Yes, 2= No)
   If YES, CONTINUE. If No, SKIP to question 4.
   a. What is the total amount of outstanding loans? *If any of these loans were already mentioned above, please include them again here.* |____| KSh

   b. What are the source(s) of these loans? *Select all that apply.*
   |__| Loan from relatives or friends
   |__| Bank loan
   |__| Merry-go-round
   |__| SACCO
   |__| Shylock / moneylender
   |__| Mobile credit
   |__| Other (specify)

   c. What was the total interest or fees this business paid on all loans combined in the last 30 days? *If interest payments are less frequent than monthly, calculate what the interest would have been per month. For example, if they paid 300 KSh over the last 3*

months, put 100Ksh. |____| KSh

4. If you had to buy something large for your business tomorrow, what is the most money you could access and spend? *Please include all cash on hand, as well as all money stored offsite (e.g. lock box at home but for business, mobile money account, in a business bank account, etc.). Do NOT count credit lines, calling in favors from friends, additional loans, liquidating assets, etc.* |____| KSh

5. What was this business' total investment in the:
    a. Last 30 days? |____| KSh
    b. Last 12 months? |____| KSh

READ: Now, I am going to ask about any physical assets that this enterprise owns, such as buildings, vehicles, or equipment. I want to remind you that we are collecting this information only for academic research purposes, and will keep this information as confidential as possible and will not report it to the authorities.

LOOP through the following categories of physical assets {

Categories include:
- **Land**: Please count land primarily used for this activity. Do not count land that is used by your household purely for private or agricultural use.
- **Buildings and structures**: Please count buildings and structures primarily used for this activity. Do not count buildings and structures that are used by your household purely for private use.
- **Vehicles**: Examples of large vehicles include cars, trucks, and boats. Examples of small vehicles include motorbikes, bicycles, scooters, and carts.
- **Machines and tools**: These are generally electrical or fuel-powered and are too large to hold in your hand. Tools are generally NOT electrical or fuel-powered and are small enough to hold and use in your hand.
- **Furniture or electronics**: These are used for business (and are not for sale to customers). This may include tables, chairs, desks, computers, mobiles, TVs, and radios that you keep in your business, but they are NOT important to the way your business operates.
- **Any other fixed asset**: (exclude stock, supplies, inventories, materials)

6. Asset category: *[ASSET CATEGORY]*
    a. Does this enterprise own or rent in any *[ASSET CATEGORY]*? *Select all that apply.*
        |___| Yes, owns this asset
        |___| Yes, rents in this asset
        |___| No

b. **(if asset category is land or buildings, and business owns that asset)** How much land (acres) / how many buildings and structures (numbers) does this own? |____|

c. **(if owns)** How much is all the *[ASSET CATEGORY]* owned by this enterprise, worth today? Include *[ASSET CATEGORY]* used by the enterprise and *[ASSET CATEGORY]* that the enterprise rents out. For example, if someone came to you today to buy all *[ASSET CATEGORY]*, how much could you sell it for? |____| KSh

d. **(if owns)** Has this enterprise rented out any *[ASSET CATEGORY]* to others in the last 30 days? |____| (1= Yes, 2= No)

e. **(if owns and rents out)** You stated that all of the *[ASSET CATEGORY]* owned by this enterprise is worth *[TOTAL OWNED ASSET VALUE]* KSh, and that the enterprise rents out part of this *[ASSET CATEGORY]* to others. How much of the total *[TOTAL OWNED ASSET VALUE]* KSh of *[ASSET CATEGORY]* does this business RENT OUT (rather than use for its own production? For example, if someone came to you today to buy the part of *[ASSET CATEGORY]* that you rent out, how much could you sell it for? |____| KSh

f. **(if owns and rents out)** How much did this enterprise receive in rental fees for renting out *[ASSET CATEGORY]* in the last 30 days? |____| KSh

g. **(if owns)** What was this enterprise's total expenditure / investment in *[ASSET CATEGORY]* in the last 30 days? *Include net purchases / maintenance / repairs.* |____| KSh

h. **(if rents in)** Think about all the *[ASSET CATEGORY]* this enterprise rents in. Imagine you owned all of that *[ASSET CATEGORY]*. If someone came to you today to buy all the *[ASSET CATEGORY]* that you rent in, how much could you sell it for? |____| KSh

i. **(if rents in)** How much did this enterprise pay in rental fees for renting in *[ASSET CATEGORY]* in the last 30 days? |____| KSh

j. **(if rents in)** What was this enterprise's total expenditure / investment in the *[ASSET CATEGORY]* you rented in the last 30 days, excl. rental payments? *Include maintenance / repairs.* |____| KSh

} end of LOOP through categories of physical assets

7. Previously, you said this business' total investment in the last 30 days was *[TOTAL INVESTMENT FROM QUESTION 5A]* KSh. I will now show you a **second estimate** of the business' total investment, by summing up the total value of investment you mentioned was made in each of the asset categories we just talked about. After I show you these numbers, I will ask for your FINAL 'BEST' ESTIMATE of the business' total investment in the last 30 days.

    YOUR FIRST ESTIMATE   *[TOTAL INVESTMENT FROM QUESTION 5A]* **KSh**

From going through each of the asset categories, we estimate your investment as:

-- Land: *[QUESTION 6G + 6J]* KSh
-- Buildings   *[QUESTION 6G + 6J]* KSh
-- Vehicles   *[QUESTION 6G + 6J]* KSh
-- Machines and tools   *[QUESTION 6G + 6J]* KSh
-- <u>Furniture and electronics</u>   *[QUESTION 6G + 6J]* KSh
SECOND ESTIMATE   *[SUM OF [QUESTION 6G + 6J FOR ALL ASSET CATEGORIES]* **KSh**

Using these numbers to guide you, what is your FINAL 'BEST' ESTIMATE for the total investment in the last 30 days? |_____| Ksh

8. Does this business have electricity, from any source (including a car battery or generator)? *(Include electricity from any source (power grid, solar, battery, etc). It can be intermittent (not always on). Note that solar lights/lanterns do not count as an electricity source)* |___| (1= Yes, 2= No)
   If YES, then continue. If NO, then SKIP to section 6B.

   a. What is the source of your electricity? *Select all that apply.*
   |___| National electricity service (KPLC)
   |___| Generator
   |___| Car battery
   |___| Solar home system

   If selected "National electricity service," then continue. Otherwise skip to section 6B.

   b. Is this a single-phase or triple-phase connection? *(Note: As discussed in training, count the number of wires coming to the building from the power lines and subtract one. Triple phase is needed to operate energy-intensive machinery such as posho mills or welding. Select one from list)*
   |___| Single-Phase Connection
   |___| Triple-Phase Connection
   |___| Don't know

   c. In what year was this enterprise connected to the national grid?
   |____| Year
   |____| Before 2014

SECTION 6B: Capital Utilization

1. **(if owns / rents in vehicles)** You said that this business owns or rents-in vehicles (including larger vehicles like trucks and cars, or smaller vehicles like bicycles and carts). I would now like to know more about each of these vehicles. List up to 3, in order of their importance to your business.

   LOOP through each vehicle (max 3) {
       a. What kind of vehicle is this vehicle #1/2/3:
           |___| Truck
           |___| Bus / Matatu
           |___| Car
           |___| Motorcycle
           |___| Bicycle
           |___| Boat
           |___| Scooter
           |___| Cart
           |___| Other: _____

       b. Do you own or rent in this vehicle?
           |___| Owns and uses for this business
           |___| Owns and rents out to others
           |___| Rents in for business use

       c. **(if owns and uses for this business)** How many hours and minutes was this vehicle in use the last day you worked for this enterprise? *By 'in use', we mean that an owner or employee was using this vehicle, actively doing work that is directly related to this enterprise, for example using the vehicle in production, customer outreach, deliveries, purchases of inputs, etc. Do not include use primarily for private purposes such as commuting, personal travel, dropping of children at school, etc. Consider when the vehicle was in use for that whole day, not just when the FR was present.* |__|hours |___| minutes

d. **(if owns and rents out to others)** For how many hours and minutes was this vehicle rented out to others the last day you worked for this enterprise? *By 'in use', we mean that an owner or employee was using this vehicle, actively doing work that is directly related to this enterprise, for example using the vehicle in production, customer outreach, deliveries, purchases of inputs, etc. Consider when the vehicle was in use for that whole day, not just when the FR was present.* |__|hours |___| minutes

e. **(if rents in)** For how many hours and minutes did this business rent in this vehicle the last day you worked for this enterprise? *By 'in use', we mean that an owner or employee was using this vehicle, actively doing work that is directly related to this enterprise, for example using the vehicle in production, customer outreach, deliveries, purchases of inputs, etc.* |__|hours |___| minutes

} end of LOOP through vehicles

2. **(if owns or rents in machines/tools or electronics)** You said that this business owns or rents-in machines or tools or electronics. I would now like to know more about each of these machines or tools or electronics. List up to 3, in order of their importance to your business.

LOOP through each machine/tool/electronic (max 3) {

a. Describe machine/tool/electronic #1/2/3: _____

b. Do you own or rent in this machine?
|___| Owns and uses for this business
|___| Owns and rents out to others
|___| Rents in for business use

c. **(if owns and uses for this business)** How many hours and minutes was this machine in use the last day you worked for this enterprise? *By 'in use', we mean that an owner or employee was using this machine , actively doing work that is directly related to this enterprise, for example using the machine in production, customer outreach, deliveries, purchases of inputs, etc. Do not include use primarily for private purposes such as commuting, personal travel, dropping of children*

at school, etc. Consider when the machine was in use for that whole day, not just when the FR was present. |__|hours |___| minutes

d. **(if owns and rents out to others)** For how many hours and minutes was this machine rented out to others the last day you worked for this enterprise? *By 'in use', we mean that an owner or employee was using this machine , actively doing work that is directly related to this enterprise, for example using the machine in production, customer outreach, deliveries, purchases of inputs, etc. Consider when the machine was in use for that whole day, not just when the FR was present.* |__|hours |___| minutes

e. **(if rents in)** For how many hours and minutes did this business rent in this machine the last day you worked for this enterprise? *By 'in use', we mean that an owner or employee was using this machine, actively doing work that is directly related to this enterprise, for example using the machine in production, customer outreach, deliveries, purchases of inputs, etc.* |__|hours |___| minutes

} end of LOOP through each machine/tool/electronic

SECTION 7: Intermediate Goods / Suppliers

Read: Now, I'd like to talk in more detail about some of the costs and spending that you engage in during the operation of this enterprise. I want to remind you that we are collecting this information only for academic research purposes, and will not share this information with anyone else.

1. Does/did this business own any STOCK/INVENTORY? These are items that you buy from suppliers and resell to customers. Please only include the products available now or finished goods that are ready for sale today. (1=Yes, 2=No) |___|
   If YES, continue. If NO, skip to question 2.

   a. **(if CURRENTLY OPERATIONAL)** How much is ALL of this business' stock/inventory worth today? We mean if you had to replace all of it (in the same condition it is in now), how much would that cost? *FR may estimate*. |____| KSh

   b. **(if CURRENTLY OPERATIONAL)** What was this business' total expenditure on STOCK/INVENTORY purchased in the last 30 days? |____| KSh
   (If NOT OPERATIONAL) What was this business' total expenditure on STOCK/INVENTORY purchased in the last 12 months?

|____| KSh

2. Does/did this business own any MATERIALS/SUPPLIES? These are items that you buy from suppliers and use to make your final products or services. Please only include the inputs or supplies that have not yet been converted into a finished good. (1=Yes, 2=No) |____| **If YES, continue. If NO, skip to question 3.**

a. **(if CURRENTLY OPERATIONAL)** How much is ALL of this business' materials/supplies worth today? We mean that if you had to replace all of it in the same quality it is in now, how much would that cost? *FR may estimate*. |____| KSh

b. **(if CURRENTLY OPERATIONAL)** What was this business' total expenditure on MATERIALS/SUPPLIES purchased in the last 30 days? |____| KSh
(If NOT OPERATIONAL) What was this business' total expenditure on MATERIALS/SUPPLIES purchased in the last 12 months? |____| KSh

IF NOT OPERATIONAL, SKIP TO SECTION 8.

3. **Read:** You said this business spent a total of *[SUM OF QUESTION 2A and 2B]* KSh on STOCK/INVENTORY and SUPPLIES/MATERIALS in the last 30 days. Now, we'd like to know where those purchases were made. What share (%) of those purchases were made in...

a. Within this village? _____
b. Within this sublocation but outside of this village? _____
c. Within this location but outside of this sublocation? _____
d. Towns in Siaya county (Siaya, Ugunja, Ukwala, Sega, etc)? _____
e. Other parts of Kenya? _____
f. Places outside of Kenya? _____

The sum of a), b), c), d), e), and f) should equal 100.

SECTION 8. Other Costs

1. **(if CURRENTLY OPERATIONAL)** In the last 30 days, how much did this business spend on:
a. Electricity and water? (from all sources) |____| KSh
b. Insurance? (exclude health insurance). |____| KSh

c. Security? (like guards, maintaining fences, etc.) |____| KSh

(if NOT OPERATIONAL) In the last 12 months, how much did this business spend on:
a. Electricity and water? (from all sources) |____| KSh
b. Insurance? (exclude health insurance). |____| KSh
c. Security? (like guards, maintaining fences, etc.) |____| KSh

Read: I'd like to remind you that the data we collect here will be kept as confidential as possible, and will not be reported to the authorities.

2. Is/was the business name registered with the government? (1=Yes, 2=No) |___|
3. Is/was the business registered as a limited company? (1=Yes, 2=No) |___|
4. Is/was the business licensed with the county government? (1=Yes, 2=No) |___|
   If YES and CURRENTLY OPERATIONAL, continue. If NO, skip to question 5
   a. How much did this license cost? |____| KSh
   b. How many months in total is this license valid? *Include the entire duration of the license, including months in the past and in the future.* |___| Months

5. **(if CURRENTLY OPERATIONAL)** In the last 30 days, how much did this business spend on:
   (if NOT OPERATIONAL) In the last 12 months, how much did this business spend on:
   a. NSSF / Health insurance? |____| KSh
   b. Market fees? |____| KSh
   c. Taxes or fees to the county government? Exclude license payments |____| KSh
   d. Taxes or fees to the national government? |____| KSh
   e. Taxes, fees or fines to the Chiefs/assistant chiefs/village elders? |____| KSh
   f. Additional payments to government officials, police or other authorities in order
      to do business? (i.e., bribes - but don't use that word) |____| KSh
   g. Business services, e.g. advertising, accounting, tax advisory, legal services, consultants, etc… |____| KSh
   h. Other operating costs, not already mentioned
      (excluding salaries, wages, investment, interest, business services etc..) |____| KSh

6. In the last 12 months, has the business experienced any vandalism or theft? (1=Yes, 2=No) |____|
   a. **(if yes)** What was the estimated value of destruction and theft in the last 12 months? We mean, if you had to replace / rebuild everything that was stolen or damaged, how much would it cost today? |_____| KSh

IF NOT OPERATIONAL, SKIP TO CONCLUSION.

SECTION 8.1: Refining Profits

7. Above, you said your total profits in the last 30 days were *[SECTION 4 QUESTION 6b]* KSh. I will now show you a SECOND estimate of your profit, by taking your best guess revenue, and subtracting all the costs you have mentioned. After I show you these numbers, I will ask for your FINAL 'BEST' ESTIMATE of profits in the last 30 days.

Total Revenue (best estimate)	*[SECTION 4.3 BEST GUESS]* KSh
-- Wage bill	- *[SECTION 5.2 SUM OF WAGES PAID]* KSh
-- Rent for land / building / equipment	- *[SECTION 6.1 SUM OF RENTAL FEES PAID ON CAPITAL, 6I]* KSh
-- Interest payments	- *[SECTION 6.1 QUESTION 3C]* KSh
-- Supplies and Materials	- *[SECTION 7 SUM OF EXPENDITURE]* KSh
-- Utilities (electricity, water, etc.)	- *[SECTION 8 QUESTION 1A]* KSh
-- Taxes and fees	- *[SECTION 8 QUESTION 5A-5E]* KSh
-- Other costs (insurance, security, transport, advertising,etc.)	- *[SECTION 8 QUESTION 1B-C + 5F-5H]* KSh

    SECOND ESTIMATE   *[DIFFERENCE CALCULATED ABOVE]* **KSh**

    It is not clear which of these is more accurate. These are purely two different ways of estimating your profits. Using these numbers to guide you, what is your FINAL 'BEST' ESTIMATE for the total profit earned by this enterprise in the last 30 days? |_____| Ksh

SECTION 9: Prices, Quality and Markups

Read: Now, I would like to ask you some questions about this business' most common products and prices.

1. How many different PRODUCTS/SERVICES do you sell in your business today? *FR may estimate. Do NOT include products that are currently out of stock. Only include what can be bought today. Be thorough with retailers who sell many different products.* |____|

2. What are the THREE most common products or services that this business currently sells? *Use Product codes.*
    a. |___|, if other, please specify: _____
    b. |___|, if other, please specify: _____
    c. |___|, if other, please specify: _____

LOOP through three most common products {

3. What is the most common quantity that this business sells of *[COMMON PRODUCT 1/2/3]*? *For example, if it most commonly sells 1/4 kilo of sugar, indicate .25 for 'quantity' and kilo for 'unit'.*

    a. Quantity: _____
    b. Unit: *(Use qtyunit codes)* |____|, if other, please specify other quantity unit: _____

4. How many *[COMMON QUANTITY UNIT]* of *[COMMON PRODUCT 1/2/3]* did this business sell in the last 7 days? |_____| Units

5. What was the price of *[COMMON QUANTITY UNIT]* of *[COMMON PRODUCT 1/2/3]* in the last 7 days? |____| KSh

6. ***(only if looping through first most common product)*** In the last 7 days, did you charge a higher or lower price than above to…
    a. Frequent customers: |____|
    b. Customers buying in bulk: |____|
    c. Customers from outside this village: |____|
    d. Customers of a different tribe: |____|

7. ***(only if looping through first most common product)*** In the last 7 days, did you charge a lower price to people you know, like family or friends, due to social obligations? |____| (1=Yes, 2=No, -88=Refuse to answer)

8. ***(only if looping through first most common product) LOOP through factors "10%", "100%" {***

    Read: You said that this business sold *[S9Q4 UNITS SOLD]* units of *[COMMON QUANTITY UNIT]* of *[COMMON PRODUCT 1/2/3]* in the last 7 days. Suppose that next week, you wanted the business to sell more, specifically *[FACTOR]* more of *[COMMON PRODUCT 1/2/3]*. That would mean selling *[FACTOR * S9Q4 UNITS SOLD]* more units of *[COMMON QUANTITY UNIT]* of *[COMMON PRODUCT 1/2/3]*. Think carefully about what that would entail, what you would need to procure, and where/who you might be able to sell those additional *[FACTOR * S9Q4 UNITS SOLD]* more units to.

    a. How much could this business sell each *[FACTOR * S9Q4 UNITS SOLD] additional units of [COMMON QUANTITY UNIT]* of *[COMMON PRODUCT 1/2/3] for?* ? |_____| KSh

    b. What would be the additional cost involved in producing / procuring *[FACTOR * S9Q4 UNITS SOLD] additional units of [COMMON QUANTITY UNIT]* of *[COMMON PRODUCT 1/2/3]* ? *Please do not consider costs this business already incurs. For example, if you could produce those additional units on your existing premises, with existing workers, DO NOT include rent / wages you are already paying. If, on the other hand, you would need to rent a new building or machine, hire more workers, or hire*

existing workers for more hours, make more trips to the market, etc. then DO include such costs.
|____| KSh

    c. What do you think is the additional profit you would make from selling *[FACTOR * S9Q4 UNITS SOLD] additional units of [COMMON QUANTITY UNIT]* of *[COMMON PRODUCT 1/2/3]*? |____| KSh

    } end of LOOP through markup factors

9. Where is the closest other seller of *[COMMON PRODUCT 1/2/3]*? |____| *Select village / market*

} end of LOOP through common products

If FR = owner, continue. Otherwise, SKIP to the conclusion.

SECTION 10. Recent Fertility, Breastfeeding, and Childcare

Read: We have discussed many details about this business. Lastly, I would like to ask you some questions about your childcare responsibilities, because we would like to understand how they might relate to your work as a business owner.

1. How many biological children have you had? *Include all biological children, both living and nonliving.* |___|

    READ: I will now ask a few questions about each of these *[# OF BIOLOGICAL CHILDREN]* biological children. Please start with the oldest to youngest.

    LOOP through each biological child {

        a. First name of biological child #1/2/3: _____

        b. Gender: |___| (1=Male, 2=Female)

        c. Does this child currently live in your household?
            |__| Yes   **SKIP to question g.**
            |__| No, moved away **Continue to question d.**
            |__| No, passed away **Continue to question d.**

d. Did this child move away/pass away before or after January 2014?
   |__| Before January 2014   **SKIP to next child.**
   |__| After January 2014   **Continue to question e.**

e. When did this child pass away/move away? |__||__|/|__||__||__||__| (MM/YYYY)

f. How old was this child when he/she passed away/moved away? |___|/|___| *If less than one year, enter "0" for years and specify months. If less than one month, enter "0" for months.*
   SKIP to next child.

g. Age in years? |___|/|___| *If less than one year, enter "0" for years and specify months. If less than one month, enter "0" for months.*

h. *(if age <= 8)* What year and month was this child born? |__||__|/|__||__||__||__| (MM/YYYY)

i. *(if age <= 2 and FR = female)* Are you still breastfeeding this child? |___| (1=Yes, 2=No,-98=Never breastfed this child)
   If No, continue. If Yes or -98, SKIP to question k.

j. *(if age <= 9 and FR = female)* For how many months did you breastfeed this child? |___| *Note: Only consider months before the child was switched to other foods/beverages.*

k. *(if age <= 7 and lives in household)* Earlier, you told us you worked *[# OF HOURS WORKED ON LAST DAY RESPONDENT WORKED]* hours on the last day you worked. Of those hours, how many were you also taking of this child?
   |___|

l. *(if age <= 7 and lives in household)* Who is currently, at this moment, taking care of this child? |__|. (1=Self, 2=Adult family member, 3=Non-adult family member, 4=Neighbor, friend, or community member, 5=Private daycare center, 6=Public daycare center, 7=Nanny or hired babysitter, 8=Child is taking care of him/herself, -77=Other)

   } end of LOOP through all biological children

2. How many non-biological children have been under your full-time care since January 2014? *Include any child under the age of 18 that, at any point since January 2014, was a member of this household. By member of household, we mean children who "eat from the same pot" and spend 4 nights or more in an average week sleeping in your home.* |___|

READ: I will now ask a few questions about each of these *[# OF NON-BIOLOGICAL CHILDREN UNDER FR'S CARE]* non-biological children. Please start with the one that has been under your care the longest.

LOOP through each non-biological child in the household {

    a. First name of non-biological child #1/2/3: _____

    b. Gender: |___| (1=Male, 2=Female)

    c. Did you start caring for this child before or after January 2014? |___| (1=Before January 2014, 2=After January 2014)
    If before, skip to e. Otherwise, continue to d.

    d. When did you START caring for this child? |__||__|/|__||__||__||__| (MM/YYYY)

    e. Does this child still currently live with you? |__| (1=Yes, 2=No)
    If YES, skip to g. If NO, continue to f.

    f. When did you STOP caring for this child? |__||__|/|__||__||__||__| (MM/YYYY)

    g. Age in years? |___|/|___| *If less than one year, enter "0" for years and specify months. If less than one month, enter "0" for months.*

    h. *(if age <= 7 and currently lives with FR)* Earlier, you told us you worked *[# OF HOURS WORKED ON LAST DAY RESPONDENT WORKED]* hours on the last day you worked. Of those hours, how many were you also taking of this child? |___|

    i. *(if age <= 7 and currently lives with FR)* Who is currently, at this moment, taking care of this child? |__|. (1=Self, 2=Adult family member, 3=Non-adult family member, 4=Neighbor, friend, or community member, 5=Private daycare center, 6=Public daycare center, 7=Nanny or hired babysitter, 8=Child is taking care of him/herself, -77=Other)

  } end of LOOP through non-biological children

3. *(if female under 50 OR male)* Are you currently expecting a child? *Note: For female FR, "are you currently pregnant?" For male FR: "is your partner currently pregnant with your child?"* |___| (1=Yes, 2=No,-99=DK)

a. *(if yes)* When do you expect your child to be born? |__||__| / |__||__||__||__| (MM/YYYY) *Indicate calendar year. IF male FR expecting multiple, indicate soonest expected birth.*

4. *(if FR = female)* **Read:** I would like to ask about other pregnancies you might have had since January 2014, which <u>did not result in a live birth</u>. How many such pregnancies have you had since January 2014? |___| *Enter 0 if none.*
    If >0 pregnancies, continue. Otherwise if none, skip to end.

READ: I understand this may be difficult to talk about, but I would like to ask about when each of these *[# OF NON-BIRTH PREGNANCIES]* occurred. Please start with the earliest since January 2014.

LOOP through each pregnancy that didn't end in live birth since January 2014 {

5. A. In what month and year did the pregnancy end? |__||__| / |__||__||__||__| (MM/YYYY)
    B. For how many months were you pregnant before the pregnancy ended? |___| (out of 9 months)
    SKIP to the next pregnancy.

    } end of LOOP through each pregnancy that didn't end in live birth since January 2014

6. In the last 30 days, have you brought a child with you to your business because you did not have other childcare arrangements? |___|

7. In the last 30 days, have you had to do any of the following to take care of a child? |__| (1=Close business for one hour or less, 2=Close business for more than one hour, 3=Close business for a full day, 4=Close business for more than a full day, -98=None)

8. Were you operating a business prior to the birth of *[NAME OF YOUNGEST CHILD]*? |___| (1=Yes, this business, 2 = Yes, another business, 3=No)
    If YES, continue. If NO, SKIP to question 12.

9. Following the birth of your youngest child, *[NAME OF YOUNGEST CHILD]*, what happened with your business? |__| (*1 = Business stayed open & FR continued running & hours stayed same, 2 = Business stayed open & FR continued & hours reduced, 3 = Business stayed open & someone else ran it & hours stayed same, 4 = Business stayed open & someone else ran it & hours reduced, 5 = Temporarily closed, 6 = Permanently closed, 7 = Transferred ownership*

10. *(If temporarily closed):* How long after the birth of *[NAME OF YOUNGEST CHILD]* did you re-open your business?
    Number: |___|
    Unit of time: |___| (1=Days, 2=Weeks, 3=Months)

11. *(If reduced hours):* How long after the birth of *[NAME OF YOUNGEST CHILD]* did you go back to working your regular hours in your business?
    Number: |___|
    Unit of time: |___| (1=Days, 2=Weeks, 3=Months)

12. *(if survey is taking place at location of enterprise) FO: Do not ask. Just record your observation.* Is there a child at the business right now (do not include children of customers)? |___| (1=Yes, 2=No)

SECTION 11: Conclusion

Read: Thank you for your time, all of this information will be kept as confidential as possiblel.
FO: Do not read the following questions aloud. Simply record your own impressions.

1. Did the respondent refuse or terminate the survey early? (1= Yes, 2= No) |____|
   If YES, continue. If NO, skip to question 3.

2. Why did the respondent terminate the survey early? |_____|
   1= Tired
   2= Too busy, does not have time
   3= Offended at question
   4= Suspicious of FO / survey intent / REMIT
   5= Does not feel like continuing survey
   6= Other (specify in end of interview comments)

3. Time end interview (24 hr clock) |__|__| : |__|__|

4. In what language was the survey conducted? |____|
   1= English
   2= Kiswahili
   3= Luo

5. How was the respondent's skill in speaking and understanding the survey language? |_____|
   1= Displayed no problems speaking or understanding survey language
   2= Displayed a little difficulty speaking or understanding survey language

3= Displayed moderate difficulty speaking or understanding survey language
4= Displayed serious problems speaking or understanding survey language)

6. Were any people present during all or part of this interview (other than the respondent and REMIT staff) (1= Yes, 2= No) |_____|
   If YES, continue. If NO, skip to question 7.

   a. What is their relationship to the respondent? List up to four others present (*Use G4 codes*)
      |__|__|__|__|

7. Are you very confident, somewhat confident or not very confident in the overall quality and truthfulness of this respondent's responses?
   |____|
   1= Very confident
   2= Somewhat confident
   3= Not confident

   a. If SOMEWHAT or NOT CONFIDENT: Why?
      _____

8. Was the FO seem well-informed in general?
   |___| Yes, seems to be well-informed
   |___| Not well-informed, suggest to re-survey with (other) owner or employee

9. Please enter any additional comments about the survey.

   _____

   _____

   _____

10. *(If you are currently at the location of the enterprise)* Record the GPS coordinates for the enterprise.
    a. Latitude: _____
    b. Longitude: _____
    c. Elevation: _____
    d. Accuracy: _____

Appendix C: Household survey instrument

HH-S

GE EFFECTS
HOUSEHOLD SURVEY MODULE
ENDLINE 2

DRAFT VERSION: FEBRUARY 20, 2020 — ENGLISH

SURVEY ID
|_____|_____|_____|_____|_____|_____|_____|_____|_____|

FO Comments:/

SECTION 1. Survey Information and Informed Consent

Greetings! You are about to begin the GE Endline 2 Household Survey. Please fill in the following questions before engaging the respondent.

1. a. FO Name: _____
    b. FO REMIT ID: |___|___|___|___|___|

2. Where are you conducting this survey?:
    a. County: _____
    b. Sub County: _____
    c. Location: _____
    d. Sublocation: _____
    e. Village: _____

3. HouseholdID:
|_____|_____|_____|_____|_____|_____|_____|_____|_____| - |_____|_____|_____|

4. a. What type of respondent are you speaking with? |___| (1=Target Respondent, 2=Alternative Respondent)
    If TR, skip to question 5. If AR, continue.
    b. Why is the target respondent not available? |___| *Use target codes.*

    bi. *(if TR joined other household)* I would like to match the new household of *[TARGET RESPONDENT]* to our study's village census. I will start by asking where *[TARGET RESPONDENT]* lives.
    County: _____
    Sub County: _____
    Location: _____
    Sublocation: _____
    Village: _____
    HHID: _____ (done in SurveyCTO)

    c. What is the respondent's relations to the Target Respondent? |___| *Use g4 codes.*

5. Date of interview: (DD/MM/YYYY) |___|___|/|___|___|/|___|___|___|___|

6. Time start interview: (24 hr clock) |___|___| : |___|___|

Informed Consent: Read consent script to the respondent.

7. Do you consent to take part in this research? |___| (1=Yes, 2=No)

8. ***Do not ask the following question. Simply record your impressions.*** Is the respondent able to proceed with the survey?
   (1=Yes-FR agrees to participate; 2=No-FR refuses to participate; 3=No-FR does not refuse but is unable to participate, 4=No-FR refuses to wear a mask) |___|

   a. Was the FR wearing a mask when you approached the homestead? |___| Yes / No
   b. Are they wearing it now? |___| Yes / No
      i. **(if no)** Why not?
              |___| Respondent doesn't own a mask   *Provide a mask to the FR, then continue.*
              |___| Respondent refuses to wear a mask   ***If FR refuses to wear a mask, do not continue with the survey. Return to question 8***
      and indicate "No, FR refuses to wear a mask".

If YES, skip to Section 2. If NO, continue.

8a. *Do not ask the following question.* ***Describe your impressions of the refusal / inability to participate.*** |___|
       1 = Wants to reschedule ***(skip to "Rescheduling instructions" below)***
       2 = Refusal for this round only ***(skip to question 8b)***
       3 = Refusal for this round and any future rounds ***(skip to question 8c)***
       4 = Unable to survey – parent or contact refusal ***(skip to "Closing Interview Statement")***
       5 = Unable to survey – spouse refusal ***(skip to "Closing Interview Statement")***
       6 = Unable to survey – in prison ***(end interview)***
       7 = Unable to survey – mental illness / disability ***(skip to question 9)***
       8 = Unable to survey – deceased **(skip to question 10)**
       10 = Unable to survey – other ***(skip to question 8d)***

Rescheduling instructions: Please ask the FR when they are next available, and then call your team lead (or other senior team member) to confirm this day and time. If you are unable to confirm this day and time, make a tentative appointment with the FR. Then, let the FR know that you will contact them to confirm when you will return. Record this information and the current time on the tracking sheet now. End the interview.

8b. ***Record your impressions of why the FR refuses to participate during this survey round. If you feel comfortable doing so, you may ask the FR why:*** Why don't you want to participate in this survey round? ***Choose up to 3 reasons.***
              |___|/|___|/|___| Other: _____
              1 = Survey is too long
              2 = FR has caregiving duties
              3 = FR has to work

4 = FR does not want to disclose personal information
5 = FR is suspicious of REMIT
6 = FR hasn't received (further) assistance from REMIT and doesn't want to participate because of that
7 = FR just doesn't want to / no reason given
10 = Other (specify)

Skip to "Closing Interview Statement".

8c. **Record your impressions of why the FR refuses to participate during this round and any future rounds. If you feel comfortable doing so, you may ask the FR why:** Why don't you want to participate in this round or any future survey rounds?

_____
Skip to "Closing Interview Statement".

8d. Specify other reason respondent is unable to survey: _____
   Skip to "Closing Interview Statement".

9. **Record your impressions of the FR's disability. If you feel comfortable doing so, ask the FR or the FR's caretaker:** What is his/her disability? _____
   The following questions collect some basic information for a FR who is mentally ill or disabled. Ask these questions of the FR or the FR's caretaker.

   9a. What is the highest level of education he/she attended? *Use G6 codes.* |___|

   9b. What is his/her occupation? *Use G9 codes.* |___| _____
   Read: Thank you very much for your time. **End interview here.**

10. **Read:** I am sorry for the loss. I understand this may be painful to talk about, but what was the cause of death? *Use D1 codes.* |____|
   If 77/Other: If the FR is comfortable, please specify the other cause of death. _____

   10a. In what year did this person pass away? |___|___|___|___|

   10b. Who is providing this information about the respondent?
   i. Name: _____
            ii. Phone number: |__|__|__|__|__|__|__|__|__|__|

Closing Interview Statement: Thank you very much for your time. If you change your mind and would like to participate in the interview, please contact us at the REMIT office.

FO Comments:/

End interview here.

FO Comments:/

SECTION 2. Defining the Household

1. What is your current full name?

    |_____| / |_____| / |_____|
         (First name)   (Middle/Second Name)   (Last Name)

    > 1a. *(if FR = TR) Do not ask the following question. Simply record your impressions.* Does this name match the information on your tracking sheet? *Note: Do not count different spellings or different orderings of the same name as different.* (1=Yes, 2=No) |___|
    > *If YES, skip to question 2. If NO, continue, and ensure that you are interviewing the same respondent as listed on the tracking sheet.*

    > 1a. *(if FR != TR)* Our previous records indicate the Target Respondent's name is *[PREFILL TR NAME]*. Can you confirm this name matches someone in your household? *Note: Do not count different spellings or different orderings of the same name as different.* (1=Yes, 2=No) |___|
    > *If YES, skip to question 2. If NO, continue, and ensure that you are interviewing someone from the same household as the respondent as listed on the tracking sheet.*

    > 1b. Why is this name different from the one in our records from the last time we interviewed you? *List up to 2 responses.* (1= Got married and took spouse's name; 2= Took the name of another family member (not spouse); 3= Took baptismal name; 4= Took a different / additional name (not family or baptismal name); 5= Dropped Family Name; 6= Name previously mistaken / incomplete; 77= Other (specify) |___|/|___| Other: _____

2. Do you use any other names, either in your community or for official documents?
    (1=Yes, another name for government documents, 2=Yes, a common name/nickname, 3=No) |____|
    If YES, continue. If NO, skip to question 3.

    > 2a. What other name do you go by for official documents? *Probe to get names in the same order as given on official documents.*
    > |_____| / |_____| / |_____|
    >   (Other First name)   (Other Middle/Second Name)   (Other Last Name)

    > 2b. What is your common name/nickname? _____

3. ***Do not ask the following question. Simply record your impressions.*** What is the respondent's gender? (1=Male, 2=Female)
    |___|

    > 3a. *(if FR = TR) Do not ask the following question. Simply record your impressions.* Does this agree with the gender reported on the tracking sheet? (1=Yes, 2=No) |___|

4. What is your date of birth? (DD/MM/YYYY) |___|___|/|___|___|/|___|___|___|___|
The date of birth information is very important. Please probe the FR if they claim to not know. Every FR should be able to approximate the year of birth at least. (-99=DK day or month, -9999=DK year)

   4a. **Do not ask the following question:** Is this an estimated year of birth? *Note: A response of yes means the respondent is unsure of their year of birth.* (1=Yes, 2=No) |___|

   4b. What is your age now in years? |___| years
   If age and date of birth information do not make sense together, please probe further with FR until they agree. Note in the FO Comments if you are unable to make them agree.

   4c. **(if FR = TR) Do not ask the following question. Simply record your impressions.** Does this agree with the date of birth reported on the tracking sheet? (1=Yes, 2=No) |___|
   If NO, please confirm the date of birth with the FR. If FR is confident that this date of birth is correct, please update the tracking sheet.

   4c. **(if FR != TR)** Our previous records indicate the Target Respondent's age/year of birth as *[PREFILL TR YOB/AGE]*. Can you confirm this info is correct for *[PREFILL TR NAME]*? (1=Yes, 2=No) |___|

5. What is your place of birth?

   5a. Country? *Use G1 codes.* |___| Other:_____
   5b. County? *If FR does not know county, 1992 district and county are equivalent. Use G2a codes.* |___| Other:_____
      If FR doesn't know COUNTY, continue. OTHERWISE, skip to question 5d.
   5c. 2010 District? *If FR doesn't know 2010 district, but does know an earlier district name, write old district name and make a remark in FO Comments below. Use G2b codes.* |___| Other:_____
   5d. Town / city? *Use G3a codes.* |___| Other:_____
      If LIVES IN A RURAL AREA, continue. OTHERWISE, skip to question 5g.
   5e. Subcounty?
   5e. Location?
   5f. Sub-location?
   5g. Village / Neighborhood?

   5h. **Do not ask the following question. Simply record your impressions.** Does this match the information provided on the tracking sheet? (1=Yes, 2=No) |___|
   If NO, please confirm the place of birth with the FR. If FR is confident that this date of birth is correct, please update the tracking sheet.

6. What is your subtribe? *Note: if respondent is female, we want her subtribe, not the subtribe of her husband.* *Use subtribe codes*. |___|
   Other: _____

   6a. What is your clan? (-99=DK) _____

7. What is your father's name?

   |_____| / |_____| / |_____|
         (First name)   (Middle/Second Name)   (Last Name)

   7a. *(if FR = TR) Do not ask the following question. Simply record your impressions.* Is the name listed in question 7 the same as that listed in the Identity Section of the Tracking Sheet? *Do not count different spellings or different orderings of the same name as different.* (1=Yes, 2=No, 3=Not listed on Tracking Sheet) |___|
   If YES or NOT LISTED ON TRACKING SHEET, skip to question 8. If NO, continue.

   7a. *(if FR != TR)* Our previous records indicates [PREFILL TR NAME]'s father's name is [PREFILL TR FATHER NAME]. Can you confirm this is the name of the father of [PREFILL TR NAME]? (1=Yes, 2=No, -99=DK) |___|
   If YES, skip to question 8. If NO, continue.

   7b. Why is this not the same name we have in our records? *List up to 2 responses.* (1= Took the name of another family member (not spouse); 2= Took baptismal name; 3= Took a different / additional name (not family or baptismal name); 4=Dropped family name, 5=Name previously missed) |___|/|___| Other: _____

8. What is your mother's name?
   |_____| / |_____| / |_____|
    (First name)   (Middle/Second Name)   (Last Name)

   8a. *(if FR = TR) Do not ask the following question. Simply record your impressions.* Is the name listed in question 8 the same as that listed in the Identity Section of the Tracking Sheet? *Do not count different spellings or different orderings of the same name as different.*
   (1=Yes, 2=No, 3=Not listed on Tracking Sheet) |___|
   If YES or NOT LISTED ON TRACKING SHEET, skip to question 9. If NO, continue.

   8a. *(if FR != TR)* Our previous records indicate [PREFILL TR NAME]'s mother's name is [PREFILL TR MOTHER NAME]. Can you confirm this is the name of the fmoher of [PREFILL TR NAME]?
   (1=Yes, 2=No, -99=DK) |___|
   If YES, skip to question 9. If NO, continue.

        FO Comments:/

8b. Why is this not the same name we have in our records? *List up to 2 responses.* (1= Got married and took spouse's name; 2= Took the name of another family member (not spouse); 3= Took baptismal name; 4= Took a different / additional name (not family or baptismal name); 5= Dropped Family Name; 6=Name previously missed) |___|/|___| Other: _____

9.   What is your marital status? (1=Single, 2=Not married but co-habitating, 3=Married, living with spouse, 4=Married, not living with spouse, 5=Married (polygamous) and living with spouse(s), 6=Married (polygamous) and not living with spouse(s), 7=Divorced, 8=Separated, 9=Widowed) |_____|

10. *(if married or cohabitating)* What is your spouse's name?
|_____| / |_____| / |_____|
         (First name)   (Middle/Second Name)   (Last Name)

11. **FO**: Below are the results of the identity verification questions:
        TR name: [VERIFIED / DISCREPANCY / N/A]
        TR gender: [VERIFIED / DISCREPANCY / N/A]
        TR age/dob: [VERIFIED / DISCREPANCY / N/A]
        TR father name: [VERIFIED / DISCREPANCY / N/A]
        TR mother name: [VERIFIED / DISCREPANCY / N/A]

Are you suspicious that this respondent does not belong to the household on the tracking sheet? (1=Not at all suspicious, 2=A bit suspicious, 3=Moderately suspicious, 4=Very suspicious) |___|

SECTION 3.1. Contact Information (Place of residence)

Read: Now I would like to obtain your contact information. We want to know the place that you usually sleep, not necessarily your ancestral lands or family home.

---

1. Is your current place of residence in this village, [S1_Q2_VILLAGE]?
   If YES, go to question 3. If NO, continue.

2. Where is your current place of residence?
   a. Country?   *Use G1 codes.* |___| Other:_____
   b. County? *Use G2a codes. If -99=FR DK COUNTY, continue. OTHERWISE, skip to question 1e.* |___|
      Other:_____
   c. 2010 District? *Use G2b codes. Refer to "2010 district" if FR does not know county (2010 district and county are equivalent). If -99 = FR DK 2010 district, but does know an earlier district name, write old district name.*
      |___| Other:_____
   d. Town / city? *Use G3a codes. If FR resides in Siaya County and not in Siaya Township location, please select "Lives in a rural area" and continue. Otherwise, skip to question 1h.* |___| Other:_____
   e. Sub-County? |___| Other:_____
   f. Location? |___| Other:_____
   g. Sub-location? |___| Other:_____
   h. Village / Neighborhood?   *Write.* (-99=DK)   _____

3. **(if moved)** Please describe the location of the home. ***Provide detailed description to home, including landmarks, distance from roads and any other detailed information where relevant. If there is a primary school nearby, please start your directions from that school. If not, pick a location that is well known in the area to be a starting point for your directions. References to specific businesses or homes ("ask for the home of...") should be included where possible.***
   _____

4. What primary school is closest to the home? *Use E1 codes* (888=None) |___|___|___|

5. Is there a phone number where I can reach you, even if you do not have your own phone?
   (1=Yes, 2=No / Do not know a number) |___|
   If YES, continue. If NO, probe the FR for once again. If the FR insists there is no way to reach them by phone (or they do not know any numbers), skip to question 9.

5a. Please give me that number.
   Number: |_0_|___|___|___|___|___|___|___|___|___|___|
   If non-Kenyan phone number, enter 77 and provide question number, country and phone number in FO comments.

5b. Whose phone is this? *Write name.* _____

5c. What is this person's relationship to you? *Use G4 codes.* |___| Other: _____

6. In the future, we may want to contact you by email. Do you have an email address?
   (1=Yes, 2=No) |___|
6a. *If yes:* What is it? *Write.* _____

Section 3.2. Family and Friend Networks / Additional Contacts

FO Note (do not read): For this section, we will ask the respondent about their friends and family. We are interested in relatives that the respondent feels close to, close friends, and good friends. There is <u>no right or wrong number</u> of relatives or friends that the respondent should provide. It is important that FOs are consistent in the way in which they define these relationships, the examples they provide, and the way in which they probe with the respondent.

Part 1: Close relatives

1. Other than the members of your household, do you have other relatives that you feel close to? *Close relatives are individuals related to the respondent (kin) that the respondent shares an emotional relationship with.* (1=Yes, 2=No) |_____|

   If YES, continue. If NO, skip to part 2.

2. Think of the relatives you feel close to. What are their full names?
   Relative #1: _____
   Relative #2: _____
   Relative #3: _____
   Relative #4: _____
   Relative #5: _____
   Relative #6: _____
   Relative #7: _____
   Relative #8: _____
   Relative #9: _____
   Relative #10: _____

Read: Next, I would like to ask about your closest friends. Think about your close friends that you spend your free time with, you share both good and bad news with, and you go to when you have a problem.

3. Other than the members of your household, do you have any close friends? (1=Yes, 2=No) |____
   If YES, continue. If NO, skip to part 3.
4. Think of your closest friends. What are their full names? **FO Note:** *There is no right or wrong number here, let respondents name as many as they think of.*
   Close Friend #1: _____
   Close Friend #2: _____
   Close Friend #3: _____
   Close Friend #4: _____
   Close Friend #5: _____

FO Comments:/

Close Friend #6: _____
Close Friend #7: _____
Close Friend #8: _____
Close Friend #9: _____
Close Friend #10: _____

Read: Apart from your closest friends, do you have any other good friends? Think about friends that you interact with fairly frequently. These may be friends that you go to for help when your closest friends are not available.

5. Other than the members of your household, do you have any good friends? (1=Yes, 2=No) |_____|
   If YES, continue. If NO, skip to Section 4.

6. Think of your good friends. What are their full names? **FO Note:** *There is no right or wrong number here, let respondents name as many as they think of.*
   Good Friend #1: _____
   Good Friend #2: _____
   Good Friend #3: _____
   Good Friend #4: _____
   Good Friend #5: _____
   Good Friend #6: _____
   Good Friend #7: _____
   Good Friend #8: _____
   Good Friend #9: _____
   Good Friend #10: _____

FO Comments:/

For the following information, LOOP THROUGH all non-empty relatives, close friends and good friends..

Read: I would like to ask about the household(s) your close relatives, close friends and good friends live in and match the household(s) to our study's village census.

		Relation #1	Relation #2	Relation #3	Relation #4	Relation #5
7. Gender of [name]?	1=Male, 2=Female	l___l	l___l	l___l	l___l	l___l
8. Age of [name]?	Age bins	l__l__l	l__l__l	l__l__l	l__l__l	l__l__l
9. How do you know [name]?	Use G4 Codes	l___l	l___l	l___l	l___l	l___l
9a. How long have you known [name]?	in years	l___l	l___l	l___l	l___l	l___l
10. Has [name] completed primary school? **If NO, go to question 9.**	(1=Yes, 2=No, -99=DK)	l___l	l___l	l___l	l___l	l___l
11. Has [name] completed secondary school? **If NO, go to question 9.**	(1=Yes, 2=No, -99=DK)	l___l	l___l	l___l	l___l	l___l
12. Has [name] completed college/university?	(1=Yes, 2=No, -99=DK)	l___l	l___l	l___l	l___l	l___l
13. Does [name] own… a. a mobile phone? b. a television? c. a radio? **Show all on one screen. Tick.**	(1=Yes, 2=No, -99=DK)	l___l l___l l___l	l___l l___l l___l	l___l l___l l___l	l___l l___l l___l	l___l l___l l___l
14. How would you describe your relationship to this person now?	1= very close 2 = close 3 = good 4 = distant 5 = no relationship	l___l	l___l	l___l	l___l	l___l
15. How would you describe your relationship to this person 5 years ago, in 2015?	1= very close 2 = close 3 = good 4 = distant	l___l	l___l	l___l	l___l	l___l

FO Comments:/

	5 = no relationship					
16. How frequently do you interact with this person now (in person, on the phone, by text, etc.)	1 = daily 2 = weekly 3 = monthly 4 = few times a year 5 = less than yearly	|___|	|___|	|___|	|___|	|___|
17. Where does [name] live? *If this village, go to question 15. If other village in Siaya County, proceed to question 14b. If outside Siaya County, go to the next network.*	**Use network location choice list**	|___|	|___|	|___|	|___|	|___|
17a. Which village does this [name] live in?	**Use village codes**	|___|	|___|	|___|	|___|	|___|
18. What is the household ID of [name] from our village census?	-99=DK	|___|	|___|	|___|	|___|	|___|
18a. Please confirm the details of your selection. *If incorrect, please go back and search for the proper household.*	(1=Yes, 2=No, -99=DK)	|___|	|___|	|___|	|___|	|___|

Part 4: Network Contacts

If no network contacts, provided, skip to question 21. Otherwise, continue.

19. You have provided us with the following people. If we needed to get in touch with you and could not reach you, which of these people would be the best way to reach you? **Use list of network contacts. \|____\|**

20. a. Is there a phone number where I can reach [selected contact name], even if he/she does not have his/her own phone? (1=Yes, 2=No, -99=DK) \|___\|
    If YES: 20b. Please provide me with this number: \|__\|__\|__\|__\|__\|__\|__\|__\|__\|__\|
    If YES: 20c. Whose phone is this? *Write name.* _____
    If YES: 20d. What is this person's relationship to [selected contact name #1]? *Use G4 codes.* \|___\| Other: _____

e. Can you give me another phone number to reach [selected contact name #1]? (1=Yes, 2=No, -99=DK) \|___\|
If YES: 17f. Please provide me with this number: \|__\|__\|__\|__\|__\|__\|__\|__\|__\|__\|
If YES: 17g. Whose phone is this? *Write name.* _____

FO Comments:/

If YES: 17h. What is this person's relationship to [selected contact name #1]? *Use G4 codes.* |___| Other: _____

GO TO section 4.

Additional Contact

Read: In case you are not at your current address, please tell us the name of a friend or a family member who is sure to know where you are, and how to contact you. These should be friends or family that would stay in their current residence if you moved away.

Ask first if FR has contact(s) <u>with phones</u> who would know how to locate and contact the FR. If NOT, contact(s) without phones who know how to locate and contact FR are OK. Contacts should usually not be husbands, wives or children (but other relatives will often make good contacts), since these contacts often move along with the FR. We want contacts that are likely to stay in the same place when the FR moves.

21. *Do not read the following question. Simply record your impressions.* Does the respondent agree to give information on another contact?   (1=Yes, 2=No) |___|
     If NO, skip to Section 4. If YES, continue.

---

22. Name of contact? |_____| / |_____| / |_____|
                                (First name)   (Second/Middle Name)   (Last name)

23. What is the contact's relationship to you? *Use G4 codes.* |___| Other:_____

24. Does this person live in this village, [S1_Q2_village]?
    If YES, skip to question 26. If NO, continue.

25. Where does this person live?
    a. Country?   *Use G1 codes.* |___| Other:_____
    b. County? *Use G2a codes. If -99=FR DK COUNTY, continue. OTHERWISE, skip to question 1e.* |___|
        Other:_____
    c. 2010 District? *Use G2b codes. Refer to "2010 district" if FR does not know county (2010 district and county are equivalent). If -99 = FR DK 2010 district, but does know an earlier district name, write old district name.*
        |___| Other:_____
    d. Town / city? *Use G3a codes. If FR resides in Siaya County and not in Siaya Township location, please select "Lives in a rural area" and continue. Otherwise, skip to question 1h.* |___| Other:_____
    e. Sub-County? |___| Other:_____
    f. Location? |___| Other:_____

---

g. Sub-location? |___| Other:_____

h. Village / Neighborhood?   *Write.* (-99=DK)   _____

26. Please describe the location of the home: ***Provide detailed description to this place, including landmarks, distance from roads and any other detailed information where relevant. If there is a primary school nearby, please start your directions from that school. If not, pick a location that is well known in the area to be a starting point for your directions. References to specific businesses or homes ("ask for the home of…") should be included where possible.*** (-99=DK)

_____

_____

27. a. Is there a phone number where I can reach this contact, even if he / she does not have his / her own phone?   (1=Yes, 2=No / Do not know a number) |___|
   If YES, continue. If NO, probe the FR for one again. If the FR insists that there is no way to reach the contact by phone (or they do not know any numbers), skip to the next section.
   b. Number: |_0_|___|___|___|___|___|___|___|___|___|
   If non-Kenyan phone number, enter 77 and provide question number, country and phone number in FO comments.
   c. Whose phone is this? ***Write name.*** _____
   d. What is this person's relationship to the contact? ***Use G4 codes.*** |___| Other: _____

28. a. Can you give me another phone number to reach this contact? (1=Yes, 2=No) |___|
   Probe FR for a second phone number. If YES, continue. If NO, skip to the next section.
   b. Number: |_0_|___|___|___|___|___|___|___|___|___|
   If non-Kenyan phone number, enter 77 and provide question number, country and phone number in FO comments.
   c. Whose phone is this? ***Write name.*** _____
   d. What is this person's relationship to the contact? ***Use G4 codes.*** |___| Other:_____

SECTION 4.1. Household Roster

Read: Now I would like to find out about all of the individuals in your household. By your household, I mean the place where you usually sleep, not necessarily your ancestral lands or family home. By the individuals in your household, I mean those who "eat from the same pot" and spend 4 nights or more in an average week sleeping in your home.

If ever surveyed and has a prefill roster, start here. If never surveyed, SKIP to question 11.

Read: Your household has participated in our previous survey activities, so I would like to review some information we have from previous surveys. I will ask about all the individuals of your household that we have collected so far.

Loop through all prefill individuals {

1. Is [PREFILL NAME] <u>currently</u> a member of your household? |____| Yes / No
    If YES, skip to next individual. If NO, continue.

2. Why is [PREFILL NAME] no longer a member of this household?
    |__| Moved away   ***Continue to question 3.***
    |__| Deceased   ***SKIP to question 5.***
    |__| Never a member of this household / wrong information   ***Skip to next individual.***

3. Why did [PREFILL NAME] move away?
    |__| *Use G5 codes.*

4. Where did [PREFILL NAME] move to?

    SKIP to question 6.

5. What was the cause of death of [PREFILL NAME]?
    |__| *Use D1 codes.*

6. When did [PREFILL NAME] move away/pass away?
    |__|

7. a. What is/was [PREFILL NAME]s' gender?
    b. What is/was [PREFILL NAME]'s highest level of education?
    Loop through next prefill individual, if applicable.
}

8. Here are the individuals we just discussed that are currently members of your household. [READ LIST OF THOSE STILL HERE].
    Are there any other <u>current</u> members of your household that have not been mentioned? |____| Yes/No
    If YES, continue. If NO, skip to question 15.

    8a. How many other individuals? |__|

    Loop through [NUMBER OF OTHER CURRENT INDIVIDUALS] {

9. Full name: _____

10. When did [NAME] join this household?

      Month: |___|

      Year: |____|

}

If ever surveyed and has a prefill roster, SKIP to question 25.

If never surveyed:

11. Currently, how many people in total (including yourself) are in your household, "eat from the same pot" and spend 4 nights or more in an average week sleeping in your home? ***If the FR is live-in house help or a live-in guard and has a spouse or adult dependent(s) staying with them at the employer's house, only include these spouse/dependent(s) on the household roster (do not count their employer or the employer's family as part of the FR's household).*** |____|

Read: We will not collect the names of all current members of your household. Please start with yourself (FR) and then continue from eldest to youngest.

Loop through [NUMBER OF CURRENT MEMBERS] times {

12. Name of current member 1/2/3/etc.:_____

}

13. ***(if never surveyed OR newly targeted as of Endline 2 AND established date before 2014)*** Were there any other individuals not already mentioned that were part of this household at [BASELINE DATE]? |____| Yes/No
    If YES, continue. If NO, skip to question 25.

    13a. How many other individuals?

    Read: I will now ask some details about these previous individuals from [BASELINE DATE].

    Loop through [NUMBER OF OTHER BASELINE INDIVIDUALS] {

14. Name: _____

15. Why is [NAME] no longer a member of this household?
        |__| Moved away   **Continue.**
        |__| Deceased   **SKIP to question 20.**

16. Why did [NAME] move away?
        |__| *Use G5 codes.*

17. Where did [NAME] move to?
        |__| Other village in Siaya County
        |__| Eldoret
        |__| Kisumu
        |__| Mombasa
        |__| Nairobi
        |__| Nakuru
        |__| Kampala
        |__| Other town/city
        |__| Other rural village (NOT in Siaya)

SKIP to question 19.

18. What was the cause of death of [NAME]?
        |__| *Use D1 codes.*

19. When did [NAME] move away/pass away?
        |__|

20. a. What is/was [PREFILL NAME]s' gender?
    b. What is/was [PREFILL NAME]'s highest level of education?

}

Read: I will now ask further details about the individuals that are currently members of your household. That includes [LIST OF CURRENT MEMBERS OF HOUSEHOLD].

For the following information, LOOP THROUGH those still a member of this household.

	25. Did [NAME] sleep here last night? (1=Yes, 2=No) **If NO, probe:** "Does this person usually stay here for 4 or more days a week, and eat from the same pot?" **If NO, go back and consider this person a migration.**	26. Relationship to respondent? *Use G4 codes.* *For example, if individual is FR's father, select code for "father".* *If individual is FR, choose "self"* *If "Self", skip to question XX. Otherwise, continue.*	27. Gender? (1=Male, 2=Female)	28. Age in years? *Prompt FR to estimate if unsure.* (-99= DK) 28a. Is this an estimated age? *Remember, an estimated age means the respondent is unsure.* (1=Yes, 2=No)	29a. Which school system did [NAME] participate in? 29b. Highest level of education completed? *Use G6 codes.* (-99=DK) *For those still in school, this is not current year. Prompt to estimate if unsure.*	30. Occupation(s)? *Use G9 codes.* (-99=DK) *Babies are likely code "60". Kids in ECD are "50".*	31. *(if never surveyed and/or newly targeted at Endline 2)* Was this person a member of this household at [BASELINE DATE]? (1 = Yes, 2 = No, lived elsewhere, 3 = No, not born yet) *If 1 or 3, skip to next individual. If 2, continue.*	32. Where was this person living at [BASELINE DATE]?	33. When did this person join this household? Month/Year
A1		|___| _____	|___|	|___|	|___|	|___| _____			|__|/|__|
A2		|___| _____	|___|	|___|	|___|	|___| _____			|__|/|__|

FO Comments:/

A3		|__| _____	|__|	|__|	|__|	|__| _____			|__|/|__|
A4		|__| _____	|__|	|__|	|__|	|__| _____			|__|/|__|
A5		|__| _____	|__|	|__|	|__|	|__| _____			|__|/|__|
A6		|__| _____	|__|	|__|	|__|	|__| _____			|__|/|__|
A7		|__| _____	|__|	|__|	|__|	|__| _____			|__|/|__|
A8		|__| _____	|__|	|__|	|__|	|__| _____			|__|/|__|
A9		|__| _____	|__|	|__|	|__|	|__| _____			|__|/|__|
A10		|__| _____	|__|	|__|	|__|	|__| _____			|__|/|__|
A11		|__| _____	|__|	|__|	|__|	|__| _____			|__|/|__|
A12		|__| _____	|__|	|__|	|__|	|__| _____			|__|/|__|
A13		|__| _____	|__|	|__|	|__|	|__| _____			|__|/|__|

FO Comments:/

Section 4.2. Child Details

Read: Now I would like to collect some more details about the children in your household.

FO: Fill in the following table for children 16 and under, as well as those that report occupation of being a student from the roster.

Questions	Codes	A: Child #1	B: Child #2	C: Child #3	D: Child #4	E: Child #5
1. Household roster number of child: **If [age] of [Name] <= 4: SKIP to XX.**	-88=Not present on roster	|___| [Name]	|___|	|___|	|___|	|___|
2. Is [name] currently enrolled in school? ***Note: Include ECD programs, do not include day care programs. Include if child was enrolled before schools closed, unless officially withdrew enrollment. If NO, continue. If YES, skip to question 2. continue.***	(1=Yes, 2=No)	|___|	|___|	|___|	|___|	|___|
2a. Why is this child not enrolled in school? **Continue to question 12.**	*Use child attendance codes*					
2b. Do you plan to enroll this child in school in January 2021?	(1=Yes, 2=No)	|___|	|___|	|___|	|___|	|___|
3. What type of school is this child enrolled in **If child attending primary, continue. If secondary, skip to 5. Otherwise skip to question 6.**	0=ECD 1=Primary 2=Secondary 3=College 4=University 5=Vocational 6=Other	|___| Other:_____	|___| Other:_____	|___| Other:_____	|___| Other:_____	|___| Other:_____
4. What primary school is this child enrolled in?	**E1 codes**	|___||___||___| Other:	|___||___||___| Other:	|___||___||___| Other:	|___||___||___| Other:	|___||___||___| Other:
5. What secondary school is this child enrolled in?		_____	_____	_____	_____	_____
6. What class/standard/form/year is this child enrolled in?	**G6_ext codes**	|___| Other:	|___| Other:	|___| Other:	|___| Other:	|___| Other:

FO Comments:/

7. Of the last five days school was IN SESSION, how many days did this person attend?	(-99=DK)					
7a. In the past five days, how many days did this child attend school?						
8. In the last 12 months, was this child ever sent home because of non-payment of school fees?	(1=Yes, 2=No)	|___|				
8a. In the last 12 months, how many days in total of school did this child miss after being sent home for not paying school fees?		|___|				
9. Overall, would you say **[child]'s** health is very good, good, fair, poor, or very poor?	(5=Very good; 4=good; 3=fair; 2=poor; 1=very poor;-99=DK)	|___|	|___|	|___|	|___|	|___|
Continue if child is 12 or under.						
10. During the past seven days, has **[child]** experienced any of the following: a. Fever / malaria? b. Vomiting? c. Cough? d. Diarrhea? e. Any other infection? *Specify:_____*	(1=Yes, 2=No,-99=DK)					
11. Last night, did **[child]** sleep under a bed net?						
12. Have any drugs for worm infections or schistosomiasis been given to [child] in the last 12 months?						
Continue if child is 8 or under:						

FO Comments:/

13. In the past 7 days, did you or any other person over the age of 15 in the child's household: *If yes, ask who performed this activity with child.* *SELECT ALL THAT APPLY.*	1=mother; 2=father, 3=sibling, 4=other adult relative, 5=other adult non-relative				
13a. **If [age] of [Name] >= 2:** Read books to or look at books with **[child]**?	1=Yes, 2=No,-99=DK	|___| Relation: |__|/|__|/|__|	|___| Relation: |__|/|__|	|___| Relation: |__|/__|	|___| Relation: |__|/|__|	|___| Relation: |__|/|__|
13b. **If [age] of [Name] >= 2:** Tell stories to **[child]**?	1=Yes, 2=No,-99=DK	|___| Relation: |__|/|__|	|___| Relation: |__|/|__|	|___| Relation: |__|/__|	|___| Relation: |__|/__|	|___| Relation: |__|/__|
13c. Sing songs or play musical instrument with **[child]**?	1=Yes, 2=No,-99=DK	|___| Relation: |__|/|__|	|___| Relation: |__|/|__|	|___| Relation: |__|/__|	|___| Relation: |__|/__|	|___| Relation: |__|/__|
13d. Play with **[child]**?	1=Yes, 2=No,-99=DK	|___| Relation: |__|/|__|	|___| Relation: |__|/}|__|	|___| Relation: |__|/__|	|___| Relation: |__|/__|	|___| Relation: |__|/__|
14. Is **[child]** currently enrolled in a daycare? *If YES, continue. If NO,. go to question 20.*	1=Yes, 2=No,-99=DK				

15. In the past 12 months, how much did your household pay in total for…
    a. school/activity fees |____| KSh
    b. school-related supplies |____| KSh
    c. contributions (for school projects or for school funds) |____| KSh

Section 5: FR Background Details

FO: The following questions in Section 5 are asking about the FR specifically, not other household members, unless noted otherwise.

Determine the relevant date from which we need FR information:

FO Comments:/

a) **FR was surveyed at EL1: FR_history_date = EL1_date**
b) **HH was targeted at EL1, but FR was not surveyed (replacement FR, or missed at EL1): FR_history_date = BL_date**
c) **New/split/ghost HH:**
   i) **Established_date < EL1_DATE: FR_history_date = BL_date**
   ii) **Established_date > EL1_DATE: FR_history_date = BL_date**

Section 5.1. FR Education

1. Since [FR_history_date], have you undertaken any new form of education or training? (1=Yes, 2=No) |___|
   If YES, continue. If NO, skip to Section 5.2.

2. What type of education / training? *Select all that apply.*
   |___| College
   |___| University
   |___| Vocational training school
   |___| Bible/Religious school
   |___| Other education

Please fill in the following table for each type of education / training selected.

FO Comments:/

	3. How many courses of study/disci plines did/do you study?	4. In what course(s)/discip line(s) was this training? *Use E7 codes. If other, describe in FO comments.*	5. In what year did you start these courses? *If more than one, course, take earliest.*	6. For how long did you attend this education/training at [A/B/C/D] since [date of last survey]? *For completed courses, include full length of course (even if more than 1 year). For courses currently underway, include time so far (even if more than 1 year).* Units: 1=Day, 2=Week, 3=Month, 4=Year *If FR was in school for full number of terms per year, count that as a full year of training (even though they get holidays throughout the year).*	7. Did you obtain a diploma, degree, or certificate from this training? *Consider entire course, even if it lasted more than 1 yr.* 1=Yes, 2=No 3=Currently enrolled *If NO, skip to next discipline or year. If YES, continue.* *Note: Count a driver's license as certificate.*	8. What type of diploma, degree or certificate was it? *Probe for examination body if it is not institutional* *Use E6 codes.*
(A) College		i. |___| ii. |___| iii. |___|		Num: ____ Unit:___	|___|	|___|
(B) Bible school		i. |___| ii. |___| iii. |___|		Num: ____ Unit:___	|___|	|___|
(C) Voc-Ed		i. |___| ii. |___| iii. |___|		Num: ____ Unit:___	|___|	|___|
(D) University		i. |___| ii. |___| iii. |___|		Num: ____ Unit:___	|___|	|___|
(E) Other Education		i. |___| ii. |___| iii. |___|		Num: ____ Unit:___	|___|	|___|

Section 5.2. FR Migration History

FO Comments:/

1. Since [FR_history_date], have you lived in any other village (or town/city) than where you live now for more than four months? *Note: here we are interested in the FR personally, not other members of the household* (1=Yes, 2=No) |___|
   If YES, continue. If NO, skip to question 7.

For the following table: Fill down each column, then across. If the FR moved away and then later moved back to a previous residence, this is still considered a migration and should be recorded in the table. NOTE: If the FR moved within a city / town / village (e.g. moved within different places in Nairobi), we do not need to capture this.

			Residence #1	Residence #2	Residence #3	Residence #4	Residence #5
2. Where did you move immediately after living in [-]? **Start with the [FR_history_date] location.**	a) Country? *Use G1 codes*		|__|	|__|	|__|	|__|	|__|
	b) County? *Use G2a codes*	*Refer to "1992 district" if FR DK county (they are equivalent). (Uganda =district)*	|__| _____	|__| _____	|__| _____	|__| _____	|__| _____
	c) *If 77=DK county, ask:* 2010 District? *Use G2b codes*	*If FR DK 2010 District but knows an earlier district, write here and comment below.*	|__| _____	|__| _____	|__| _____	|__| _____	|__| _____
	d) Town / City *Use G3a codes*	*If NOT 20 (lives in rural area), skip to (g).*	|__| _____	|__| _____	|__| _____	|__| _____	|__| _____
	e) Location? *Use G3b codes*		|__| _____	|__| _____	|__| _____	|__| _____	|__| _____
	f) Sub-location? *Use G3c codes*		|__| _____	|__| _____	|__| _____	|__| _____	|__| _____
	g) Village / Neighborhood		_____	_____	_____	_____	_____
3. When did you arrive	(MM/YYYY)		|__|__|/ |__|__|__|	|__|__|/ |__|__|__|	|__|__|/ |__|__|__|	|__|__|/ |__|__|__|	|__|__|/ |__|__|__|

FO Comments:/

at this place?							
4. Why did you move to this place?	Use G5 codes List up to 3 reasons.		|__| |__| |__| _____	|__| |__| |__| _____	|__| |__| |__| _____	|__| |__| |__| _____	|__| |__| |__| _____
5. When you moved, whom did you live with in this place?	Use G4 codes	List up to 3 persons.	|__| |__| |__| _____	|__| |__| |__| _____	|__| |__| |__| _____	|__| |__| |__| _____	|__| |__| |__| _____
6. After living here, did you live in any other village or town/city for at least four months?	(1=Yes, 2=No)	If YES, continue to next column. If NO, go to next section.	|__|	|__|	|__|	|__|	|__|

Confirm that the last reported residence listed in this table matches the current residence listed in Section 3 of this survey. If not, probe the FR further about their migration history.

Section 5.3. Marital History

Do not read: *Record the FR's marital status from Section 2 below.*

0.   FR marital status: |_____|
     (1=Single, 2=Not married but co-habitating, 3=Married, living with spouse, 4=Married, not living with spouse, 5=Married (polygamous) and living with spouse(s), 6=Married (polygamous) and not living with spouse(s), 7=Divorced, 8=Separated, 9=Widowed)

Read: Now I would like to ask you some questions about any marriages you might have had. I would like to remind you that all answers you give will be kept as confidential as possible and that the information will be used for research purposes only. Also, I understand it may be difficult or upsetting to talk about, but please remember to include marriages that may now be over.

FO: If the respondent is currently single/not married, continue. Otherwise, if the respondent is married/divorced/separated/widowed, skip to question 2.

1. Have you ever been married?   (1=Yes, 2=No) |____|
    If YES, continue. If respondent has never been married, skip to next section.

2. Since [FR_history_date], did you get newly married?   (-99=DK) |____|

    2a. **(if yes)** How many new marriages since [FR_history_date]? |____|
    2b. **(if yes)** In which years did you get newly married since [FR_history_date]? *Select all that apply.* |

3. Since [FR_history_date], have you ever been divorced, widowed or separated? *Select all that apply.*
    |___| Yes, widowed
    |___| Yes, separated
    |___| Yes, divorced
    |___| No

    3a. (**if widowed or divorced**) In what year did your last marriage end? |____| Year

If currently married, continue, otherwise, skip to section 5.4. ***The following questions refer to the FR's current spouse.***

4. Does your spouse reside in this household? (1=Yes, 2=No) |____|
    If NO, continue. Otherwise skip to question 8.

5. a. Is your spouse any of the following: ***Use network choice codes. List all network members collected so far. If No, continue, if Yes, skip to question 6.***
    b. Does your spouse live within this village? ***If yes, SKIP to question 4e. If no, continue***
    c. Where does your spouse live?
    d. Which village is this household located in?
    e. What is the household ID of [receiver name] from our village census?

    6. What is your spouse's age in years? |____|
    7. What is the highest level of education completed by your spouse? ***Use G6 codes.*** (-99=DK) |____|
    8. What is your spouse's occupation? ***Use G9 codes.*** (-99=DK) |____|
    9. **(if currently married/cohabiting):** Does your spouse own:
        a. A mobile phone? |___| Yes / No
        b. A television? |___| Yes / No

FO Comments:/

c. A radio? |___| Yes / No

10. What is / was your spouse's subtribe? *Use subtribe codes.* |____|
11. What is / was your spouse's clan? *Use clan codes.* |____| _____

Section 5.4 Recent Fertility

1. Think of all the females currently living in this household. In 2020, have any of these female household members been pregnant? |____| Yes / No

   1a. **(if yes)** Who?
   |___| HH female 1
   |___| HH female 2
   |___| …..

2. Think of all the females currently living in this household. In 2019, were any of these female household members pregnant? |____| Yes / No

   2a. **(if yes)** Who?
   |___| HH female 1
   |___| HH female 2
   |___| …..

   If FR is male, OR FR is female and aged 50 or under, continue. Otherwise skip to the next section.

3. *For male FRs:* Since January *2014,* how many times has a sexual partner of yours been pregnant with your child (including pregnancies that ended in live birth or non-live birth)? (-99=DK) |____|

   For female FRs: Since January *2014,* how many times have you been pregnant (including pregnancies that ended in live birth or non-live birth)? (-99=DK) |____|

If FR claims to DK, try to prompt them for how many pregnancies they do know about. If they insist that they do not know, skip to the next section.

Read: Let's discuss these recent pregnancies, starting with the first one since January *2014.*

Note: Enter twins as two separate pregnancies.	(A)	(B)	(C)	(D)

FO Comments:/

5. What was/is your relationship to the father / mother during the time of the pregnancy? (1= Legally married, 2= Living together but not legally married, 3= Engaged to be married, 4= Regular boyfriend or girlfriend, 5= Casual sexual partner, 6= Other (specify),-99=DK)	|___| _____	|___| _____	|___| _____	|___| _____
6. *If male respondent:* Did/does the mother of the baby seek antenatal care during the pregnancy? (1=Yes, 2=No,-99=DK) *If female respondent:* Did/do you seek antenatal care during the pregnancy? (1=Yes, 2=No,-99=DK) *If YES, continue. OTHERWISE, skip to question 8.*	|___|	|___|	|___|	|___|
7. Where was/is antenatal care sought? (1= Govt hospital / health center / dispensary, 2= Mission hospital / health center / dispensary, 3= Private hospital / clinic, 4= Traditional birth attendant, 5= Other (specify) 99= DK) *If care sought at multiple locations, list the most frequent location.*	|___| _____	|___| _____	|___| _____	|___| _____ _
8. Is this a current pregnancy? (1=Yes, 2=No,-99=DK) *If YES or DK, skip to next pregnancy/next section. OTHERWISE, continue.*	|___|	|___|	|___|	|___|
9. How did the pregnancy end? (1=Live birth, 2=Non-live birth -99=DK) *If "1", skip to q.11 If "2", continue. If "-99", skip to next pregnancy/next section.*	|___|	|___|	|___|	|___|
10. In what month and year did the pregnancy end? (-99=DK) *Try to get at least year. Then, skip to next pregnancy/next section.*	|___||_____| MM/YYYY	|___||_____| MM/YYYY	|___||_____| MM/YYYY	|___||_____ _| MM/YYYY
11. Was the baby born in a hospital or clinic (as opposed to at a home)? (1=Yes, 2=No,-99=DK)	|___|	|___|	|___|	|___|
12. Was the baby a boy or girl? (1=Boy, 2=Girl,-99=DK)	|___|	|___|	|___|	|___|
13a. Was the child born pre-term? (1=Yes, 2=No,-99=DK) *If YES, continue. If NO, skip to question 14.*	|___|	|___|	|___|	|___|
13b. What month of the pregnancy was the child born?	|___|	|___|	|___|	|___|
14. Is this child still living? (1=Yes, 2=No,-99=DK) *If NO, continue. If YES, skip to question 16.*	|___|	|___|	|___|	|___|

FO Comments:/

15. How old in years and months <u>was</u> **[name]** when he / she died? (-99=DK) ***If less than one year, enter "0" in year blank and continue to months. If less than one month, enter "0" in month blank. Then, go to next pregnancy/next section.***	|___||___| YY/MM	|___||___| YY/MM	|___||___| YY/MM	|___||___| YY/MM
16a. Is the child from this pregnancy one of the following household members? ***If YES, skip to question 19 . If NO, continue.***				
16b. What is this child's name?				
17. Does the child live with one of the following? ***Use network options. If none, continue. Else, skip to quesetion 18.***	|___| _____	|___| _____	|___| _____	|___| _____
17a. With whom does **[name]** live? ***Use g4 codes. Record person's relationship <u>to FR</u>.***				
18. How old is this child now? ***Record age in years. Use 0 if <1 year. Compare year of birth to child age, and probe if they do not make sense together.***	|____| years	|____| years	|____| years	|___| years
19. Is the primary caregiver for this child during the week one of the following household members? ***List HH members.*** ***If none, continue to question 19a. Otherwise, skip to question 20.***	|___||___|	|___||___|	|___||___|	|___||___|
19a. Who is the primary caregiver for this child during the week? ***List up to 2 individuals. Use G4 codes. Code based on relationship with <u>FR</u>, not with child.***	|___||___| Other: _____	|___||___| Other: _____	|___||___| Other: _____	|___||___| Other: _____
20. I would like to see the child's health card in order to record his/her birthdate and weight at birth. Would it be possible to see this card right now? (1=Yes, 2=No) ***Record NO if card is not available or does not exist.***	|___|	|___|	|___|	|___|
20a. ***Record child's birth month and year from health card. If not available or does not contain birthdate, ask*** "In what month and year was the baby born?" ***Try to get <u>at least</u> year.*** (-99=DK)	|___||___| MM/YYYY	|___||___| MM/YYYY	|___||___| MM/YYYY	|___||___| MM/YYYY
20b. ***Was birthdate information obtained from health card?*** (1=Yes, 2=No)	|___|	|___|	|___|	|___|
20c. ***Record the birthweight of the child, according to the health card. If not available, ask*** "What was **[name]**'s weight at birth?" (Code 9.9 =	|___|.|___| kg	|___|.|___| kg	|___|.|___| kg	|___|.|___| kg

FO Comments:/

Weight not measured at birth, 99.0 = Weight measured but FR doesn't know / cannot discern it from health card)			
20d. *Was birthweight obtained from health card?* (1=Yes, 2=No)	| | |	| | |	| | |	| | |

SECTION 6. Home Characteristics and Assets

Section 6.1. Home Characteristics

FO: Refer to the main house of the household, <u>not</u> simbas (i.e., sleeping huts for young unmarried men). Also, we are only interested in the current residence, not (necessarily) ancestral land (even if the current residence is a rental).

If you are conducting this interview at the respondent's home, do not ask the following question on housing materials. Simply observe and record your observations in the following questions. If you are conducting this interview elsewhere, please ask the respondent the following questions and prompt with the below.

Read: Now I'd like to ask you some questions about your home and household. Think of your current residence / the building you eat in.

0a. Of what material are the floors made?
(1=Cement, 2=Mud, 3=Part mud, part cement, 4=Tiles, 5= Other(specify) |___| Other:_____

0b. Of what material is the roof made? |___|
1=Iron / tin,   5=Cement / concrete
2=Grass thatch (no reeds)   6=Palm leaves
3=Grass with reeds   7=Other, describe: _____
4=Mud, branches   10=Tiles
                                         11=Unfinished / incomplete roof

0c. Of what material are the walls made? (1=Iron, 2=Mud, 3=Cement, 4=Cement/mud mixed, 5=Brick, 6= Other) |___| Other:_____

1. Do you have electricity, from any source (including a car battery or generator)? *Include electricity from any source (power grid, solar, battery, etc). It can be intermittent (not always on).* (1=Yes, 2=No) |___|

    If YES, continue. If NO, skip to question 2.

    1a. What is the source of your electricity? *Prompt FR with each source. Indicate all that apply.*
        1= National electricity service (i.e., Kenya – KPLC) |___|
        6=Other wired connection
        2= Generator |___|
        3= Car battery |___|
        4= Solar home system |___|
        5= Other (specify) |___| Other: _____
    If 1 or 6, continue. Otherwise skip to question 2.

1b. Does your household own your wired electricity connection? *Note: for instance, if the household is renting and the landlord paid for the connection, the household would not own its connection.* (1=Yes, 2=No,-99=DK) |___|

2. What kind of toilet facility does your household use most often?
    (1=None, 2=Latrine, 3=Toilet, 4=Other (specify), 5= Portable toilet) |___| Other: _____

3. a. How many SEPARATE buildings / structures are in your homestead?
        |___| Residential house
        |___| Servants quarters
        |___| Boys house (Simba)
        |___| Kitchen
        |___| Animal shed / barn
        |___| Granary / storage shed
        |___| Other: _____

    b. How many separate rooms do you have in your...? **Include those separated by sheets. Do not include store rooms or toilet rooms.**
        |___| Residential house(s)
        |___| Servants quarters
        |___| Boys house(s) (Simba)

    c. When was the roof of the main residence last installed / replaced? *Tick appropriate box.*
        |__| 2021 |__| 2020 |__| 2019 |__| 2018 |__| 2017 |__| 2016 |__| 2015 |__| 2014 |__| 2013 |__| 2012 |__| 2011 |__| 2010 or earlier
        |__| DK

4. What was your main water source in the last 7 days? (1=Pipe, 2=Well (gather), 3=Protected spring, 4=Unprotected spring, 5=Collected rainwater, 6=Lake/pond, 7=River/stream, 8=Borehole well (high quality water), 9=Borehole well (low quality water), -77=Other) |___|
    Other:_
    If "pipe", continue. Otherwise, skip to question 5.

    4a. Does your household own your piped water connection? (1=Yes, 2=No,-99=DK) |___|

5. Does your household own or rent the house / apartment where you live? (1=Own, 2=Rent, 3=Company housing, 4=Government Housing, 5=Other (specify)) |___| _____

    If OWN, continue. If RENT, skip to question 5b. OTHERWISE, skip to question 7.

5a. If you wanted to build a house like yours in this village, how much would it cost (both for materials and for labor)?
|_____| (KSh)
Skip to question 6.

5b. How much in shillings does your household pay for rent each month for this house / apartment? Amount (-99=DK): |_____|
Currency if NOT Kenyan shillings **(use G12 codes)**: |____| Other: _____

5c. Does the house / apartment rest on land (greater than 0.25 acres) that you use for agricultural purposes?   (1=Yes, 2=No)
|____|
If NO, skip to question 6. If YES, continue.

5d. How much of this land was used for agricultural purposes (in acres)? (-99=DK) ***Do not include land in this count that was rented exclusively for agricultural purposes, only that which was included with the rental house / apartment.***

1 Hectare ≈ 2.5 Acres |_____| Acres

6. How much land does your household own (in acres)? Include any land that is owned and used for agricultural, pastoral or fish pond activities, including agricultural/commercial business activities. ***1 Hectare ≈ 2.5 Acres*** (-99=DK) |_____| Acres
If ZERO, skip to question 8. If DK, skip to question 7. OTHERWISE, continue.

6a. How much does it cost to buy an acre of land in this village? (-99=DK) ***Prompt for land of similar quality to the land the FR owns. Take the most recent cost of land in the area***. (-99=DK) |_____| (KSh)

6b. How much of the land you own is used for agricultural, pastoral or fish pond purposes (in acres)?   (-99=DK) ***1 Hectare ≈ 2.5 Acres*** |_____| Acres

6c. Now think of all of the land that you own that could be used for agriculture, even if it is not currently being used for agriculture. For this land that you own, if you were to rent it out, what would you charge each month to rent all of it out? ***If not sure, ask for best estimate.***

Amount (-99=DK): |_____|

7. In the last 12 months, did you rent any of the land owned by your household to people outside of your household?   (1=Yes, 2=No)
|____|
If NO, skip to question 8. If YES, continue.

7a. How much of this land did you rent to people outside of your household (in acres)?
1 Hectare ≈ 2.5 Acres (-99=DK) |_____| Acres

7b. For how many months of the last 12 months did you rent out this land? |___| months

7c. For how much do you rent out this land? *If paid in kind, ask FR to estimate value of payment in shillings.*
- i. Amount (-99=DK): |_____|
- ii. Unit (1=Year, 2=Season, 3=Month) |____|
- iii. *If unit = 2:* For how many months was the season that you rented the land? (months) |_____|

8. In the last 12 months, has your household rented land from others, or used land you do not own? *If the household rents an apartment / house, but no other land, answer "NO".* (1=Yes, 2=No) |___|
If NO, skip to question 9. If YES, continue.

8a. How much land has your household rented from others in the last 12 months (in acres)?
(-99=DK) *1 Hectare ≈ 2.5 Acres* |_____| Acres
If DK, skip to question 8c. OTHERWISE, continue.

8b. How much of this land was used for agricultural purposes (in acres)? (-99=DK)
1 Hectare ≈ 2.5 Acres |_____| Acres

8c. For how many months did you rent this land in the last 12 months? *For familial land that the FR's household does not own, enter 12.* |___| months

8d. For how much did you rent this land? *If paid in kind, ask FR to estimate value of payment in shillings. For familial land, if the FR did not pay any rent, enter 0 for the amount, and year for the unit.* Amount (-99=DK): |_____|
- i. Unit (1=Year, 2=Season, 3=Month) |____|
- ii. *If unit = 2:* For how many months was the season that you rented the land? (months) |_____|

Read: Now we would like to talk about household chores. Household chores include activities such as cleaning, dusting, sweeping, washing dishes or clothes, ironing, collecting water, slashing, etc. Do not include time spent on childcare.

9. In the last seven days, how many hours have you (the FR) spent doing household chores for your household?

10. In total, how many people have performed household chores for your household over the last seven days? *Include both household members (adults and children) and non-household members, and the FR, if applicable.* |___|

If the responses to questions 9 and 10 are BOTH ZERO, skip to Section 6.2. Otherwise, continue.

11. In the last seven days, how many hours did members of your household – not including you – spend doing household chores for your household? *Enter 0 if no hours spent doing chores.*
   |___| Adults
   |___| Older children 12 - 18
   |___| Younger children 0 - 11

12. In the last seven days, how many hours did workers from outside the household (such as hired maids who do not live with you) spend doing household chores, excluding childcare? |___| hours
   If ZERO, skip to Section 6.2. Otherwise, continue.

13. In the last seven days, how much has your household spent in total (including cash and in-kind payments) on people from outside the household assisting with household chores? ***If payment is in kind, ask to estimate in shillings.*** Amount (-99=DK): |_____|

14. ***Do not ask:*** If the monetary values in this section were reported in a currency other than Kenyan shillings, please record the currency here. ***(use G12 codes)***: |___| Other: _____

Section 6.2. Home Environment for Children

Proceed if there is a child aged 12 or under living in the household, according to the household roster. Otherwise, skip to Section 6.3

Read: Now I would like to ask you some questions about materials in your home for children.

1a. Is there a music player or radio that children can listen to at home?
(1=Yes, 2=No,-99=DK) |____|

1b. About how many books does this household own in total that are here in the home (including the Bible or other religious book, dictionary, textbooks, children's books and picture books)? (-99=DK) |____|

1c. **(if 1b > 0)** About how many of these books are for children, including storybooks, picture books or children's textbooks? (-99=DK)
|____|

1d. **(if 1c > 0)** What language(s) are these children's books in? *Please select all that apply)*
(1=English, 2=Kiswahili, 3=Luo, 4=Luhya, 5=Other (specify), -99=DK) |__| Specify:_____

Number of children's books and number of textbooks should not exceed total number of books (question 1b).

1e. Do children have paper and pencil, pen or art supplies (such as crayons or paints) to write or draw with at home?
(1=Yes, 2=No,-99=DK) |____|

1f. Do children play any games of strategy such as ludo game, draught (checkers), chess, or strategy video/phone games?
(1=Yes, 2=No,-99=DK) |____|

Section 6.3. Assets

Read: Now I'd like to ask you about some of the things your household owns. I would like to remind you that all answers you give will be kept as confidential as possible, we're an independent Organization and information won't have any effect on other programs.

1. How many of the following items does your household own?

FO instruction: For this section, if the FR has migrated to a new household, we want to capture the assets of the FR's current household. This includes all the assets of the current household and any assets the FR owns. Do not count assets from the previous household that the FR does not own. If the FR is unsure about the assets of the current household, he/she may consult with other household members. Please leave a comment if the FR consults with other household members. For the Total Value, ask FRs to estimate what the assets would be worth if they sold them today.

For AGRICULTURAL assets and LIVESTOCK, please include assets used for the household AND assets used for any agricultural business activity (e.g. poultry farming, crops for sale, etc.).
If an asset is connected to a loan / the household is still paying off this asset, still include it.

ITEM	QTY OWN (-99=DK)	Total Value (KSH)	ITEM	QTY OWN (-99=DK)	Total Value (KSH)
(A) Bicycle	|___|	|___|	(R) Computer/tablet	|___|	|___|
(B) Motorcycle / scooter	|___|	|___|	(S1) Mobile phone (not smart)	|___|	|___|
(C) Car / truck	|___|	|___|	(S2) Smart phone	|___|	|___|
(D) Kerosene stove	|___|	|___|	(T) Car battery **Note: Do not include batteries that are in a car.**	|___|	|___|
(E) Radio / cassette player / CD player	|___|	|___|	(U) Boats (motorized or other)	|___|	|___|
(F) Sewing machine	|___|	|___|	(V) Iron/Metal/Steel sheets **Note: do not include those being used as roofs/other construction**	|___|	|___|
(G) Kerosene lantern	|___|	|___|	(W) Farming tools (hoes, pangas, etc)	|___|	|___|
(H) Bed	|___|	|___|	(X) Hand carts	|___|	|___|
(I) Mattress	|___|	|___|	(Y) Wheelbarrows	|___|	|___|
(J) Bednet	|___|	|___|	(Z) Ox plow	|___|	|___|
(K) Tables	|___|	|___|	(AA) Cattle	|___|	|___|
(L) Sofa pieces (all kinds)	|___|	|___|	(BB) Goat	|___|	|___|
(M) Chairs	|___|	|___|	(CC) Sheep	|___|	|___|
(N) Cupboards/Dressers	|___|	|___|	(DD) Chicken	|___|	|___|
(O) Clock or watch	|___|	|___|	(EE) Other birds (ducks, geese, turkeys)	|___|	|___|

FO Comments:/

(P)	Electric iron	|___|	|___|	(FF) Pig	|___|	|___|
(Q)	Television	|___|	|___|	(GG) Fish		|___|
				(HH) Generator	|___|	|___|
				(II) Solar panel	|___|	|___|
				(JJ) Solar lantern		

Section 6.4. Savings and Credit

Read: The following questions are about your financial situation, which we want to know for research purposes about living standards in the area. Remember, we will not share this information with anyone. If there are any questions that you do not feel comfortable answering, you may skip those questions.

1. Do you or someone in your household have an M-Pesa or mobile money account? (1=Yes, 2=No) |____|
   If YES, continue. If NO, skip to question 2.

   1a. When did you or someone in your household first obtain an M-Pesa or mobile money account? *Note: M-Pesa began in 2007.*
   (YYYY) |__||__||__||__| **DK=--9999**

   1b. What is your household's current balance on all mobile money accounts combined, approximately? *Remember, we will not share this information with anyone. You may give a rounded / approximate answer if you prefer.*
   |____| KES

2. Do you or someone in your household have any type of account in a bank? (1=Yes, 2=No) |___|
   If YES, continue. If NO, skip to question 3.

   2a. Do you or someone in your household have a savings account in a bank? (1=Yes, 2=No) |___|

   2b. What is your household's current balance on all bank accounts combined (savings + checking, net overdraft), approximately? *Remember, we will not share this information with anyone. You may give a rounded / approximate answer if you prefer.*
   |____| KES

3. Do you or someone in your household participate in a SACCO? (1=Yes, 2=No) |___|
   If YES, continue. If NO, skip to question 4.

   3a. What was your household's SACCO contribution in the last 30 days?

|____| KES

4. Do you or your household participate in a merry-go-round or ROSCA?   (1=Yes, 2=No) |___|
   If YES, continue. If NO, skip to question 5.

   4a. In the past 12 months, has your household taken any loans from a merry-go-round or ROSCA? (1=Yes, 2=No) |___|
   If YES, continue. If NO, skip to question 4g.

   4b. What is the total amount of loans your household took from a merry-go-round or ROSCA in the past 12 months?
   |____| KES

   4c. What was the purpose of those loans? *Use T1 codes. Select up to 3.* |___| |___| |___| Other(specify): _____

   4d. How much interest was charged on the most recent loan your household took from a Merry-go-round or ROSCA?
   1=Ksh, 2=Rate / percent, 3=Other (specify), 4=Ush; Units of time: 1=Day; 2=Week; 3=Month; 4=Year; 88=Flat rate)
   If no interest charged, fill in all three blanks with 99, -99=DK.
   Unit |___| _____   Amount: |____| per unit of time: |___|

   4e. By when is/was your household supposed to pay back the loan? (MM/YYYY) *If no specific date is given, fill in "01/1900".*
   |__||__|/|__||__||__||__|

   4f. Is your household currently in default on this loan? (1=Yes, 2=No) |___|

   4g. In the past 12 months, did you or someone in your household ask for a loan from a merry-go-round or ROSCA but not get it?
   1=Yes, 2=No) |___|

5. Has your household used any mobile installment payment services, such as M-Kopa, in the last 12 months? (1=Yes, 2=No) |___|
   If YES, continue. If NO, skip to question 6.

   5a. What is the total amount (value) of the products that your household has purchased on installment? |_____| KSh

   5b. What is the total amount your household currently owes all such mobile installments combined? |_____| KSh

   5c. What is the total amount your household has made in payments to these mobile installments in the last 30 days? |____| Ksh

6. Do you or someone in your household currently have any outstanding loans from a commercial bank or commercial lender? (1=Yes, 2=No) |___|
   If YES, continue. If NO, skip to question 7.

6a. What is the total amount your household currently owes all these commercial lenders combined? |_____| KSh

6b. What is the total amount your household made in loan payments to these commercial lenders in the last 30 days? |____| Ksh

7. In the past 12 months, has your household taken any new loans from a commercial bank or commercial lender? (1=Yes, 2=No)
|____|
If YES, continue to question 7b. If NO, skip to question 7g.

    7b. What is the total amount of loans your household took from commercial banks or commercial lenders in the past 12 months?
        Amount: |_____|

    7c. What was the purpose of those loans? *Use T1 codes. List all that apply.*
        |____| |____| |____| Other:_____

    7d. How much interest was charged on the most recent loan your household took from a commercial bank or commercial lender?
        (Units: 1=Ksh, 2=Rate / percent, 3=Other (specify), 4=Ush; Units of time: 1=Day; 2=Week; 3=Month; 4=Year; 88=Flat rate)
        If no interest charged, fill in all three blanks with 99, -99=DK.
                Unit |____| _____   Amount: |_____| per unit of time: |____|

    7e. By when is/was your household supposed to pay back the loan?   (MM/YYYY)   *If no specific date is given, fill in "01/1900".*
        |__||__|/|__||__||__||__|

    7f. Is your household currently in default on this loan? (1=Yes, 2=No) |____|

    7g. In the past 12 months, did you or someone in your household apply for a loan from a commercial bank or commercial lender but not get it?   (1=Yes, 2=No)|____|

8. Do you or someone in your household currently have any outstanding loans from a shylock (moneylender)? (1=Yes, 2=No) |____|
If YES, continue to Question 8a. If NO, skip to question 9.

8a. What is the total amount your household owes all these shylocks (moneylenders) combined? |_____| KSh
8b. What is the total amount your household made in loan payments to these shylocks (moneylenders) in the last 30 days? |____| Ksh

9. In the past 12 months, have you or someone in your household taken any new loans (i.e. borrowed money) from a shylock (moneylender)?   (1=Yes, 2=No) |____|
If YES, continue to question 9b. If NO, skip to question 9g.

9b. What is the total amount of loans your household took from shylocks (moneylenders) in the past 12 months? Amount: |_____|
   Currency if NOT Ksh (use G12 codes) |___| Other: _____

9c. What was the purpose of those loans? *Use T1 codes. List all that apply.*
   |___| |___| |___| Other:_____

9d. How much interest was charged on the most recent loan your household took from a shylock (moneylender)?   (Units: 1=Ksh,
   2=Rate / percent, 3=Other (specify), 4=Ush;
   Units of time: 1=Day; 2=Week; 3=Month; 4=Year; 88=Flat rate)
   If no interest charged, fill in all three blanks with 99, -99=DK.
   Unit |___| _____   Number: |____| per unit of time: |___|

9e. By when is/was your household supposed to pay back the loan? (MM/YYYY) *If no specific date is given, fill in "01/1900".*
   |__||__|/|__||__||__||__|

9f. Is your household currently in default of this loan?

9g. Did you ask for a loan from a shylock (moneylender) in the past 12 months but not get it? (1=Yes, 2=No) |___|

10. Do you or someone in your household currently have any outstanding loans from a mobile credit product (like M-Shwari or others)?
   (1=Yes, 2=No) |___|
   If YES, continue. If NO, skip to question 11.

   10a. What is the total amount your household currently owes all these mobile credit products (like M-Shwari or others)? |_____| KSh

   10b. What is the total amount your household has made in loan payments to these mobile credit products in the last 30 days? |___| Ksh

11. In the past 12 months, have you or someone in your household taken new any loans (i.e. borrowed money) from a mobile credit
   product (like M-Shwari or others)? (1=Yes, 2=No) |___|
   If YES, continue to question 11b. If NO, skip to question 11g.

   11b. What is the total amount of loans your household took from mobile credit products (like M-Shwari) in the past 12 months?
      Amount: |_____|

   11c. What was the purpose of those loans? *Use T1 codes. List all that apply.*
      |___| |___| |___| Other:_____

11d. How much interest was charged on the most recent loan your household took from a mobile credit product (like M-Shwari)?
(Units: 1=Ksh, 2=Rate / percent, 3=Other (specify), 4=Ush; Units of time: 1=Day; 2=Week; 3=Month; 4=Year; 88=Flat rate)
If no interest charged, fill in all three blanks with 99, -99=DK.
Unit |___| _____   Amount: |____| per unit of time: |___|

11e. By when is/was your household supposed to pay back the loan?   (MM/YYYY)   ***If no specific date is given, fill in "01/1900".***
|__||__|/|__||__||__||__||__|

11f. Is your household currently in default on this loan? (1=Yes, 2=No) |____

11g. Did you ask for a (another) loan from a mobile credit product in the past 12 months but not get it? (1=Yes, 2=No) |___|

12. In the past 12 months, has your household ever borrowed money from someone else outside your household? *By borrowing, we mean that you have received money that you had to repay or will have to repay at some point in the future.*
(1=Yes, 2=No) |___|

If YES, continue to question 12a. If NO, skip to question 12m.

Read: I would like to ask about the different instances you've borrowed money from someone outside your household in the past 12 months. Please tell me about each separate household you have borrowed from.

12a. From how many different households have you borrowed money from in the past 12 months? |___|

Read: Now I would like to talk about each of these. *Note: If more than 5, please choose the 5 households from which you have borrowed the largest amount in the past 12 months.*

		Borrowing Relationship #1	Borrowing Relationship #2	Borrowing Relationship #3	Borrowing Relationship #4	Borrowing Relationship #5
12b. Whose household did you borrow from? ***If not one of the network choices already captured, continue. Otherwise go to question 8d.***	***Use list of network choices***	_____	_____ _	_____	_____	_____
12ci. What is the first name of the person you borrowed from? *Note: If unable to give a first name,*		_____	_____ _	_____	_____	_____

respondent may provide a common name / nickname.					
12cii. Does [lender name] live in this village? *If yes, SKIP to question 8cv. If no, continue.*	(1=Yes, 2=No)	|____|	|____|	|____|	|____|	|____|
12ciii. Where does [lender name] live? *If Siaya County, proceed to question 8civ. If not, go to question 8d.*	**Use network location choice list**	|____|	|____|	|____|	|____|	|____|
12civ. Which village does this [lender name] live in?		_____	_____	_____	_____	_____
12cv. What is the household ID of [lender name] from our village census?	-99=DK					
12di. How do you know [lender name]? *Use G4 codes.* 12dii. What is [lender name]'s gender? 12diii. How old is[lender name]? *If don't know, please estimate.* (-99=DK) 12div. Has [lender name] completed primary school? **If NO, go to question 3vii** 12dv. Has [lender name] completed secondary school?? **If NO, go to question 3vii** 12dvi. Has [lender name] completed college/university? 12dvii. **(Show on same screen)** Does [lender name] own: |___| a mobile phone?						

FO Comments:/

|___|a television? |___|a radio?					
12e. What is the total amount your household borrowed from [borrowing name] over the last 12 months?		|___|	|___|	|___|	|___|	|___|
12f. How much does your household currently owe [borrowing name]?		|___|	|___|	|___|	|___|	|___|
12g. What is the total amount your household paid in loan payments to [borrowing name] in the last 30 days?		|___|	|___|	|___|	|___|	|___|
12h. What was the purpose of that borrowing? *List all that apply.*	**Use T1 codes.**	|___| |___| |___| Other:_____	|___| |___| |___| Other:_____	|___| |___| |___| Other:_____	|___| |___| |___| Other:_____	|___| |___| |___| Other:_____

If borrowed from more than 5 households, continue. Otherwise, go to question 12m.

Read: The questions below refer to those households this household has borrowed from that we have not yet discussed.

12i. What is the total amount you borrowed from those households in the past 12 months?
Amount: |_____| Currency if NOT Ksh (use G12 codes) |___| Other: _____

12j. How much does your household currently owe those households? |_____| KSh

12k. What is the total amount your household has paid in loan payments to those households in the last 30 days?

12l. What was the purpose of that borrowing? *Use T1 codes. List all that apply.* |___| |___| |___| Other:_____

Read: Now I'd like to ask you about the most recent loan you took from someone outside your household.

12m. How much interest was charged on the most recent loan you took from someone else outside your household?   (Units: 1=Ksh, 2=Rate / percent, 3=Other (specify), 4=Ush; Units of time: 1=Day; 2=Week; 3=Month; 4=Year; 88=Flat rate)
If no interest charged, fill in all three blanks with 99, -99=DK.
Unit |___| _____   Number: |____| per unit of time: |___|

12n. By when are/were you supposed to pay back the loan? (MM/YYYY) *If no specific date is given, fill in "01/1900".*
|__||__|/|__||__||__||__|

12o. Did you ask for a (another) loan from someone else outside your household in the past 12 months but not get it?
(1=Yes, 2=No) |___|

13. In the past 12 months, have you ever lent money to someone outside your household? By lending, I mean that you gave money to someone that you have received back or are expecting to receive back at some point in the future.
(1=Yes, 2=No) |___|
If YES, continue to questions 13a. If NO, skip to question 13j.

Read: I would like to ask about the different instances you've lent money to someone outside your household in the past 12 months. Please tell me about each separate household you have lent to.

13a. To how many different households have you lent to in the past 12 months? |___|

Read: Now I would like to talk about each of these. *Note: If more than 5, please choose the 5 households which you have lent to the most in the past 12 months.*

		Lending Relationship #1	Lending Relationship #2	Lending Relationship #3	Lending Relationship #4	Lending Relationship #5
13b. Whose household did you lend to? *If not one of the network choices already captured, continue. Otherwise go to question 13e.*	*Use list of network choices*	_____	_____	_____	_____	_____
13ci. What is the first name of the person you lent to? *Note: If unable to give a first name, respondent may provide a common name / nickname.*		_____	_____	_____	_____	_____
13cii. Does [lendee name] live in this village? *If yes, SKIP to question 13cv. If no, continue.*	(1=Yes, 2=No)	|___|	|___|	|___|	|___|	|___|
13ciii. Where does [lendee name] live? *If Siaya County, proceed to*	**Use network**	|__|__|	|__|__|	|__|__|	|__|__|	|__|__|

FO Comments:/

question 13civ. If not, go to question 13d.	location choice list					
13civ. Which village does this [lendee name] live in?		_____	_____	_____	_____	_____
13cv. What is the household ID of [lendee name] from our village census?	-99=DK					
13di. How do you know [lendee name]? **Use G4 codes.** 13dii. What is [lendee name]'s gender? 13diii. How old is[lendee name]? **If don't know, please estimate.** (-99=DK) 13div. Has [lendee name] completed primary school? **If NO, go to question 9vii** 13dv. Has [lendee name] completed secondary school?? **If NO, go to question 9vii** 13dvi. Has [lendee name] completed college/university? 13dvii. **(Show on same screen)** Does [lender name] own: |___| a mobile phone? |___|a television? |___|a radio?						
13e. What is the total amount you lent to [lendee name] over the past 12 months?		|____|	|____|	|____|	|____|	|____|

13f. How much does [lendee name] currently owe your household?		|____|	|____|	|____|	|____|	|____|

If more than 5 households that FR has lent to, continue. Otherwise go to question 13i.
Read: The questions below refer to those other households this household has lent money to that we have not yet discussed.

13g. What is the total amount your household lent to those households over the past 12 months?
    Amount: |_____| Currency if NOT Ksh (use G12 codes) |___| Other: _____

13h. How much do those households currently owe your household? |_____| KSh

Read: Now I'd like to ask you about the most recent loan you gave to someone outside of your household.

13i. How much interest did you charge on the most recent loan you gave to someone outside your household? (Units: 1=Ksh, 2=Rate / percent, 3=Other (specify), 4=Ush; Units of time: 1=Day; 2=Week; 3=Month; 4=Year; 88=Flat rate)
        If no interest charged, fill in all three blanks with 99.
            Unit |___| _____   Number: |____| per unit of time: |___|

13j. By when is / was this person supposed to pay back the loan? (MM/YYYY) *If no specific date given, fill in "77/7777".*
|__||__|/|__||__||__||__||__|

13k. Did someone ask your household for a loan in the last 12 months but your household did not give it? |____| Yes / No

SECTION 7. Farming and Agriculture

Read: We would now like to discuss the agricultural or pastoral activities that you and other members of your household perform.

1. Have members of your household performed any agricultural or pastoralist activities for yourselves in the last 12 months? (1=Yes, 2=No)
|____| *The following activities are considered agricultural/ pastoral: Agriculture; Livestock farming; Poultry; Fish pond; Other. Probe FR to ensue all agricultural activities are captured.*

IF YES, proceed to question 1a. IF NO, skip to Section 8.

1a. Which of the following agricultural or pastoralist activities has your household performed in the last 12 months? *Select all that apply.*
|____| Agriculture |____| Livestock |____| Poultry |____| Fish Pond |____| Other

Read: I will now ask about each of the [# of AG ACTIVITIES] different agricultural/pastoralist activities performed by your household.
Fill in the table by proceeding across for question 2, then down each column.

Questions	Codes	A: Current Activity #1	B: Current Activity #2	C: Current Activity #3	D: Current Activity #4
2. Who in this household is the main decision maker for this activity? *FO. If the main decision maker is present in the household at the time of the interview, please try to get the following information from this person. Otherwise, continue with the FR.* a. *(Don't read, just tick)* Who is providing information on this activity?		|___| *(select from roster)* |___| *main decision maker* |___| *FR is not the main decision maker*	|___| *(select from roster)* |___| *main decision maker* |___| *FR is not the main decision maker*	|___| *(select from roster)* |___| *main decision maker* |___| *FR is not the main decision maker*	|___| *(select from roster)* |___| *main decision maker* |___| *FR is not the main decision maker*

FO Comments:/

3. What is the total size of the land you used for this activity in the last 12 months? **For livestock/ poultry: Only count land that is specifically designated to that purpose. DO NOT count general household land / common land used for grazing.**	*1 Hectare ≈ 2.5 Acres*	|_____|.|___| Acres	--	--	--
4. a. In the last 12 months, did you purchase any land for this activity? b. In the last 12 months, did you rent any land for this activity? c. In the last 12 months, did you sell any land you previously used for this activity?	*1 Hectare ≈ 2.5 Acres*	|_____| Acres |_____| KES |_____| Acres |_____| # months |_____| KES |_____|.|___| Acres |_____|.KES	--	--	--

5. **(if agriculture)** What crops have you grown in the last 12 months? *List the ten most important crops if there are more than 10 total. Include both fruit bearing and non-fruit bearing trees as long as they are not planted solely for shade purposes.* **GO TO QUESTION 8.**	*Use F1 codes*	└┈┘└┈┘└┈┘└┈┘ └┈┘└┈┘└┈┘└┈┘ └┈┘└┈┘└┈┘└┈┘ └┈┘└┈┘ Other:_____ _____ _____	--	--	--
6a. Did your household sell any livestock animals/poultry birds/fish in the last 12 months? **If YES, continue, otherwise SKIP to 8f.**	1=Yes, 2=No, 99=DK	|___|	|___|	|___|	|___|
6b. How much did you receive in total in sales of livestock animals/poultry birds/fish during the last...? (KSH)	99=DK *For currency, use G12 codes.*	month: |_____| 12 months: |_____|	month: |_____| 12 months: |_____|	month: |_____| 12 months: |_____|	month: |_____| 12 months: |_____|
6c. What share of sales in the last 12 months was made to:	**Show all options on one screen, Use %, and have a check summing up to 100.**	|___|% trader / wholesaler |___|% food processing / butcher / restaurants / etc. |___|% other households / final consumers	|___|% trader / wholesaler |___|% food processing / butcher / restaurants / etc. |___|% other households/ final consumers	|___|% trader / wholesaler |___|% food processing / butcher / restaurants / etc. |___|% other households/ final consumers	|___|% trader / wholesaler |___|% food processing / butcher / restaurants / etc. |___|% other households/ final consumers

FO Comments:/

6d. What share of these sales was made at...		|___|% at the farm / in the same village |___|% at a market other village |___| (if market other village) identify the market/village	|___|% at the farm / in the same village |___|% at a market other village |___| (if market other village) identify the market/village	|___|% at the farm / in the same village |___|% at a market other village |___| (if market other village) identify the market/village	|___|% at the farm / in the same village |___|% at a market other village |___| (if market other village) identify the market/village
6e. Did your household purchase any livestock animals/poultry birds/fish in the last 12 months? **If YES, continue, o/w GO to question 8**	1=Yes, 2=No, 99=DK	|___|	|___|	|___|	|___|
6f. How much did you spend in total on purchasing livestock animals/poultry birds/fish during the last… ? (KSH)	99=DK *For currency, use G12 codes.*	month: |_____| 12 months: |_____|	month: |_____| 12 months: |_____|	month: |_____| 12 months: |_____|	month: |_____| 12 months: |_____|
6g. What share of purchases in the last 12 months was made from:	**Show all options on one screen, Use %, and have a check summing up to 100.**	|___|% trader / wholesaler |___|% other households	|___|% trader / wholesaler |___|% other households	|___|% trader / wholesaler |___|%other households	|___|% trader / wholesaler |___|% other households

FO Comments:/

6h. What share of purchases does your household usually make from...		|___|% in this village |___|% at a market other village |___| (if market other village) identify the market/village	|___|% / in this village |___|% at a market other village |___| (if market other village) identify the market/village	|___|% in this village |___|% at a market other village |___| (if market other village) identify the market/village	|___|% in this village |___|% at a market other village |___| (if market other village) identify the market/village
6i. What is the total market value of the livestock animals/poultry/fish your household owned AND consumed in the last...? *FOs should ask them to estimate the market value. For example, if they ate a calf, what would that calf have been worth on the market.*		month: |_____| 12 months: |_____|	month: |_____| 12 months: |_____|	month: |_____| 12 months: |_____|	month: |_____| 12 months: |_____|
7a. Did you sell any animal products from this activity in the last 12 months? *(e.g milk for livestock, eggs for chicken)* **If YES, continue. If NO, go to question 8.**	1=Yes, 2=No, 99=DK	|___|	|___|	|___|	|___|
7b. How much did you receive in total in sales from animal products in the...?	99=DK *For currency, use G12 codes.*	i. … month: |_____| ii. … 12 months |_____|	i. … month: |_____| ii. … 12 months|_____|	i. … month: |_____| ii. … 12 months|_____|	i. … month: |_____| ii. … 12 months |_____|

FO Comments:/

		Currency if NOT Ksh: |___| Other: _____	Currency if NOT Ksh: |___| Other: _____	Currency if NOT Ksh: |___| Other: _____	Currency if NOT Ksh: |___| Other: _____
7c. What share of those sales was made to:	**Show all options on one screen, Use %, and have a check summing up to 100.**	|___|% trader / wholesaler |___|% food processing / butcher / restaurants / etc. |___|% other households / final consumers	|___|% trader / wholesaler |___|% food processing / butcher / restaurants / etc. |___|% other households / final consumers	|___|% trader / wholesaler |___|% food processing / butcher / restaurants / etc. |___|% other households / final consumers	|___|% trader / wholesaler |___|% food processing / butcher / restaurants / etc. |___|% other households / final consumers
7d. Where do you usually sell the animal products of this activity?	**Show all options on one screen, Use %, and have a check summing up to 100.**	|___|% at the farm / in thisvillage |___|% at a market / other village |___| (if % market other village > 0) identify the most important market/village	|___|% at the farm / in thisvillage |___|% at a market / other village |___| (if % market other village > 0) identify the most important market/village	|___|% at the farm / in thisvillage |___|% at a market / other village |___| (if % market other village > 0) identify the most important market/village	|___|% at the farm / in thisvillage |___|% at a market / other village |___| (if % market other village > 0) identify the most important market/village
7e. What is the total market value of the animal products your household produced AND consumed...? *FOs ask them to estimate the market value. For example, if they ate 12 eggs, what would those have been worth on the market.*		i. ...month: |_____| ii. 12 months |_____| Currency if NOT Ksh: |___| Other: _____	i. ...month |_____| ii. 12 months |_____| Currency if NOT Ksh: |___| Other: _____	i. ...month |_____| ii. 12 months |_____| Currency if NOT Ksh: |___| Other: _____	i. ...month |_____| ii. 12 months |_____| Currency if NOT Ksh: |___| Other: _____

FO Comments:/

8. How much did your household receive in total profits from this activity in the last... *If agriculture, include all crops, fruits and vegetables sold.* *If livestock/poultry/fish, include net profit from the purchase/sale of livestock/poultry/fish as well as from other animal products* *READ: Profits are your total sales net of total costs for labor, land, machines, tools.* *FOs should guide the respondent to recall the full 12 months past. Think of each growing cycle and harvest.*	-99=DK *For currency, use G12 codes.*	a. month: |___| b. 12 months: |___| Currency if NOT Ksh: |___| Other: _____	c. month: |___| d. 12 months: |___| Currency if NOT Ksh: |___| Other: _____	e. month: |___| f. 12 months: |___| Currency if NOT Ksh: |___| Other: _____	g. month: |___| h. 12 months: |___| Currency if NOT Ksh: |___| Other: _____
9. Who in your household worked on this activity in the last month?		a. Show roster names. Click on one name. b. How many days did [name] work on this activity in the last month? c. How many hours did [name] work in this activity on a typical day?	a. Show roster names. Click on one name. b. How many days did [name] work on this activity in the last month? c. How many hours did [name] work in this activity on a typical day?	a. Show roster names. Click on one name. b. How many days did [name] work on this activity in the last month? c. How many hours did [name] work in this activity on a typical day?	a. Show roster names. Click on one name. b. How many days did [name] work on this activity in the last month? c. How many hours did [name] work in this activity on a typical day?

FO Comments:/

10. In total, how many workers from outside the household did you hire to work on this activity last ...? *Count casual workers that worked part-time as well.* **If ZERO, skip to question 12.**	99=DK	a. month: |___| b. 12 months: |___|	a. month: |___| b. 12 months: |___|	a. month: |___| b. 12 months: |___|	a. month: |___| b. 12 months: |___|
11. How much did you spend on salaries for workers from outside the household in this business or activity during the last ...? *If payment is in kind, ask to estimate in shillings.*	99=DK *For currency, use G12 codes.*	a. month: |___| b. 12 months: |___| Currency if NOT Ksh: |___| Other: _____	a. month: |___| b. 12 months: |___| Currency if NOT Ksh: |___| Other: _____	a. month: |___| b. 12 months: |___| Currency if NOT Ksh: |___| Other: _____	a. month: |___| b. 12 months: |___| Currency if NOT Ksh: |___| Other: _____
12. b. Loop through the number of outside workers last month **If [number of workers last month] > 5:** Loop through the 5 most important / consistent workers.		a. Where does worker [n] live? Cascade to find HH b. How many days did [name] work on this activity last month? c. How many hours did [name] work in this activity on a typical day? d. What was this person's total	a. Where does worker [n] live? Cascade to find HH b. How many days did [name] work on this activity last month? c. How many hours did [name] work in this activity on a typical day? d. What was this person's	a. Where does worker [n] live? Cascade to find HH b. How many days did [name] work on this activity last month? c. How many hours did [name] work in this activity on a typical day? d. What was this person's	a. Where does worker [n] live? Cascade to find HH b. How many days did [name] work on this activity last month? c. How many hours did [name] work in this activity on a typical day? d. What was this person's

FO Comments:/

		compensation in the last month?	total compensation in the last month?	total compensation in the last month?	total compensation in the last month?
13. Think of all the buildings, vehicles, machinery, and tools that your household uses for this activity.	**Include 0 as an option for no purchases / rentals**	Amount: |_____|	Amount: |_____|	Amount: |_____|	Amount: |_____|
a. What is the total value of all these that your household owns?		Amount: |_____|	Amount: |_____|	Amount: |_____|	Amount: |_____|
b. What was the total amount spent on purchases and maintenance of these in the past 12 months?		Amount: |_____|	Amount: |_____|	Amount: |_____|	Amount: |_____|
c. What was the total amount spent on rental fees for renting these in the past 12 months?					
d. What was the total amount received in rental fees from renting these to others in the past 12 months?		Amount: |_____|	Amount: |_____|	Amount: |_____|	Amount: |_____|

FO Comments:/

14. How much did you spend on the following items for this activity during the last 12 months? a. **(if livestock/poultry/fish/other)** Animal medicine / vet b. **(if agriculture)** Fertilizer c. **(if agriculture)** Irrigation d. **(if agriculture)** Improved/hybrid seeds e. **(if agriculture / other)** Formal agricultural insurance f. **(if livestock/poultry/fish/other)** Animal feed g. Other variable input costs NOT ALREADY MENTIONED, please specify: _____ *If unsure, FR can estimate.*	99=DK; *For currency, use G12 codes.*	a. Amount: |_____| b. Amount: |_____| c. Amount: |_____| d. Amount: |_____| e. Amount: |_____| f. Amount: |_____| g. Amount: |_____|	a. Amount: |_____| b. Amount: |_____| c. Amount: |_____| d. Amount: |_____| e. Amount: |_____| f. Amount: |_____| g. Amount: |_____|	a. Amount: |_____| b. Amount: |_____| c. Amount: |_____| d. Amount: |_____| e. Amount: |_____| f. Amount: |_____| g. Amount: |_____|	a. Amount: |_____| b. Amount: |_____| c. Amount: |_____| d. Amount: |_____| e. Amount: |_____| f. Amount: |_____| g. Amount: |_____|
15. Have you experienced any destruction, or theft or vandalism for this activity in the last 12 months?		|___| Yes, destruction |___| Yes, theft / vandalism |___| No	|___| Yes, destruction |___| Yes, theft / vandalism |___| No	|___| Yes, destruction |___| Yes, theft / vandalism |___| No	|___| Yes, destruction |___| Yes, theft / vandalism |___| No

FO Comments:/

If ANOTHER ACTIVITY was entered, return to question 2 and fill in the next column. If NOT, continue to section 8.

FO Comments:/

Read: Now I want to ask you more specifically about the crops that you mentioned earlier.

Fill in the table by filling in any crop listed for question 4. Start with the crop most produced. If no crops listed, skip to Section 8.

Questions	Codes	Crop #1	Crop #2	Crop #3	Crop #4
16. How much [crop] did you produce/harvest in the last… ***Ask for physical amounts (kg, gorogoro, etc.)*** *READ: FOs should guide the respondent to recall the full 12 months past. Think of each growing cycle and harvest.* ***If 0, skip to question 21.***	*Use f7 codes for units.* DK = -99	a. 12 month Amount: |____| Unit: |__| b. 30 days Amount: |____| Unit: |__|	a. 12 month Amount: |____| Unit: |__| b. 30 days Amount: |____| Unit: |__|	a. 12 month Amount: |____| Unit: |__| b. 30 days Amount: |____| Unit: |__|	a. 12 month Amount: |____| Unit: |__| b. 30 days Amount: |____| Unit: |__|
17. Did you sell any of the output from [crop] in the past 12 months? ***If YES, continue. If NO, skip to question 21.***	1 = Yes, 2 = No	|___|	|___|	|___|	|___|
18. How much [crop] did you sell in the last… ***Try to get valuation BOTH in amount of crop, and in Ksh.***	*Use f7 codes for units.* DK = -99	a. 12 month Amount: |____| Unit: |__| KES: |___| b. 30 days Amount: |___| Unit: |__| KES: |___|	a. 12 month Amount: |____| Unit: |__| KES: |___| b. 30 days Amount: |___| Unit: |__| KES: |___|	a. 12 month Amount: |____| Unit: |__| KES: |___| b. 30 days Amount: |___| Unit: |__| KES: |___|	a. 12 month Amount: |____| Unit: |__| KES: |___| b. 30 days Amount: |___| Unit: |__| KES: |___|

FO Comments:/

19. What share of those [crop] sales was made to:	Show all options on one screen, Use %, and have a check summing up to 100.	|____|% trader / wholesaler |____|% food processing / butcher / restaurants / etc. |____|% other households / final consumers	|____|% trader / wholesaler |____|% food processing / butcher / restaurants / etc. |____|% other households / final consumers	|____|% trader / wholesaler |____|% food processing / butcher / restaurants / etc. |____|% other households / final consumers	|____|% trader / wholesaler |____|% food processing / butcher / restaurants / etc. |____|% other households / final consumers
20. What share of these [crop] sales was made at...	Show all options on one screen, Use %, and have a check summing up to 100.	|____|% at the farm / in the same village |____|% at a market other village |____| (if market other village) identify the market/village	|____|% at the farm / in the same village |____|% at a market other village |____| (if market other village) identify the market/village	|____|% at the farm / in the same village |____|% at a market other village |____| (if market other village) identify the market/village	|____|% at the farm / in the same village |____|% at a market other village |____| (if market other village) identify the market/village
21. How much land (in acres) did you devote to farming this crop in the past 12 months? *For tree crops, count the trunks plus the area between them. If it is too difficult to estimate, enter DK.*	*1 Hectare ≈ 2.5 Acres*	|____| Acres	|____| Acres	|____| Acres	|____| Acres
22. In the past 12 months, did you plant any other crops on the land devoted to farming this crop? (ie, intercrop-ping or crop rotation)	(1=Yes, 2=No)	|____|	|____|	|____|	|____|

FO Comments:/

Skip to next crop. If last, go to question 9.					

SECTION 8. Self-Employment

PART A: Confirming list of businesses

If HH does NOT have any matched enterprises from EL2 census, SKIP to question 3.
If HH does have matched enterprises from EL2 census, continue.

Read: When we visited this household between September - December 2019, you said members of your household were running the following enterprises. I will ask about each of these in turn to verify the information we have.

REPEAT THROUGH EACH ENTERPRISE THAT HAS BEEN MATCHED TO THIS HH AT EL2 CENSUS AND WAS OPERATIONAL {

Read: I will now ask about the following enterprise.

      Enterprise name: [EL2 Census Business Name]
      Primary enterprise category: [EL2 Census Primary Business Category]
      Secondary enterprise category: [EL2 Census Secondary Business Category]
      Locations:
            a.   Primary: [EL2 Census Enterprise Village or Market Center 1]
            b.   Secondary: [EL2 Census Enterprise Village or Market Center 2]
            c.   Tertiary: [EL2 Census Enterprise Village or Market Center 3]
      Primary location, operate from: [EL2 Census operate from]
      Owner name: [EL2 Census Owner Name (Nickname)]
      Owner phone: [EL2 Census Owner Contact]

1. Are members of your household still running this enterprise? *(It is okay if some of this information has changed since [EL2 Census Date], as long as you are sure this is the same enterprise.) (1=Yes, currently running, 2=No, no longer running, -98=No, never ran this enterprise)* |____|

   (if never ran enterprise) 1a. Explain: _____

} END REPEAT THROUGH EACH PREFILL ENTERPRISE

2. How many other enterprises have members of your household ran in the last 12 months (besides those already mentioned)? *Include businesses that may have closed down in the meantime. Enter 0 if no other enterprises.* |___|
   If >0, loop through each other enterprise starting at question 4. Otherwise, skip to loop through each mentioned enterprise starting at question 7.

3. Other than in farming, have members of your household run any business to earn a living in the last 12 months? *Include businesses that may have closed down in the meantime.* |___| (1=Yes, 2=No)
If YES, continue. If NO, skip to section 9.

3a. How many different businesses or self-employed activities has your household run in the last 12 months? *Note: We are asking for the total number of businesses the household has run. Include all the self-employment the FR or someone else in the household has had. The FR can invite relevant person in to help answer questions for this part.* |____|

Read: I will now ask some brief details about these X enterprises in turn. If any enterprises are no longer operating, please provide the details as they were at the time of closing.

REPEAT THROUGH EACH ENTERPRISE NOT PREVIOUSLY MENTIONED (EITHER Q2 OR Q3A TIMES) {

4. Name of the enterprise: |_____|

5. Primary enterprise category: |_____|

6. Are members of your household still running this enterprise? *(1=Yes, currently running, 2=No, no longer running)* |____|

} END REPEAT THROUGH EACH ENTERPRISE NOT PREVIOUSLY MENTIONED

FO: At this point, we have the full list of all enterprises the household has run in the past 12 months and whether each is currently operating or not. We will ask more detailed questions about each enterprise in turn.

PART B: Business details

Read: Your household has run X number of enterprises in the past 12 months. I will now ask more detailed questions about each of these enterprises in turn.

REPEAT THROUGH EACH ENTERPRISE THAT WAS OPEN AT ANY POINT DURING THE LAST 12 MONTHS {

    Read: We are now discussing the following enterprise:
    Enterprise name: [ENTERPRISE NAME]
    Primary enterprise category: [PRIMARY CATEGORY]
    Operating status: [OPERATIONAL/CLOSED]

7. Who in this household is/was the owner of this business? |___| **Select from HH roster**
FO: If the primary decision maker for this enterprise is present, please try to collect further details on this enterprise from that person.

FO Comments:/

7a. Who is providing information on this business? |___| (1=Owner/primary decision maker/ 2=Other person)

Note: *If the business closed down, we want this information at the time of closing.*

If this enterprise is a prefilled one and still operating, SKIP to question 19.
If this enterprise is a prefill one and no longer operating, SKIP to question 15.
If this enterprise is a not previously mentioned one, continue.

8. Primary enterprise category: [PRIMARY ENTERPRISE CATEGORY]
   8a. (if retail): What type of products does/did this enterprise sell?
   8b. (if non-food): What type of products does/did this enterprise produce/sell?

9. Any secondary business categories? |_____|
   9a. (if retail): What type of products does/did this enterprise sell?
   9b. (if non-food): What type of products does/did this enterprise produce/sell?

10. When did this enterprise first begin operating / when did your household gain control of the business?
                     |___| Year   (Is this an estimated enterprise start year: (1=Yes, 2=No) |____|)
                     |___| Month   (Is this an estimated enterprise start month: (1=Yes, 2=No) |____|)

11. Is/was this a roaming/moving enterprise? *A roaming/moving enterprise is one that sells at multiple locations each week.* (1=Yes, 2=No) |____|

12. At its primary location, from where does/did this enterprise location operate?
    |___| Homestead |___| Market stall |___| Own building
    |___| Share building |___| No building |___| Other   Specify:_____

13. How many locations does/did this enterprise operate from? |___|

REPEAT THROUGH EACH ENTERPRISE LOCATION {

   14. Is this location in a village or a market center?   (1=Village, 2=Market center) |____|
       (if village) Search village: _____
       (if market center) Search market center: _____

} END REPEAT THROUGH ENTERPRISE LOCATION

FO Comments:/

If enterprise is still operating, SKIP to question 20. If enterprise is no longer operating, continue.

15. Why are you no longer running this enterprise?
|___| Enterprise is no longer operational **(continue to question 16)**
|___| Transferred ownership or sold the business (including transfer of control for free) **(SKIP to question 17)**
|___| Owner of the business moved away (with the business) **(SKIP to question 18)**

16. a. When did this enterprise stop operating?
Month: _____
Year: _____
b. Why did this enterprise stop operating? _____
SKIP to question 20.

17. To whom did you transfer or sell the business? ***Use network choices.***
17a. ***(if non-network person)***
To whom did you transfer or sell the business? |___| ***Use g4 codes***
Identify the household where this person lives: |___| **search HH**
17b. For what amount did you sell the business? |____| *Enter 0 if transferred for free.*
17c. Why did you choose to close, sell or transfer control of your business? *(list up to 3)* |___| / |___| / |___| ***Use F3 codes***
SKIP to question 20.

18. a. Where did this enterprise move to? **Search village or market center.**
b. Do you know a phone number we could use to contact this enterprise if we need to follow-up in the future?
18bi. |__|__|__|__|__|__|__|__|
18bii. Whose phone is this? |_____|
SKIP to question 20.

19. Which (if any) of the following information is no longer correct:
|__| Enterprise name: [EL2 Census Business Name]   *If Yes, SKIP to question 19a*
|__| Primary enterprise category: [EL2 Census Primary Business Category]   *If Yes, SKIP to question 19b*
|__| Secondary enterprise category: [EL2 Census Secondary Business Category]   *If Yes, SKIP to question 19c*
|__| Primary location: [EL2 Census Enterprise Village or Market Center 1]   *If Yes, SKIP to question 19d*
|__| Secondary location: [EL2 Census Enterprise Village or Market Center 2]   *If Yes, SKIP to question 19e*
|__| Tertiary location: [EL2 Census Enterprise Village or Market Center 3]   *If Yes, SKIP to question 19f*
|__| Primary location, operate from: [EL2 Census operate from]   *If Yes, SKIP to question 19g*
|__| Owner name: [EL2 Census Owner Name (Nickname)]   *If Yes, SKIP to question 19h*
|__| Owner phone: [EL2 Census Owner Contacts]   *If Yes, SKIP to question 19i*

19a. Specify the new name of the business: _____

19b. Specify the new primary business category: |___|
    19bi. (if retail): What type of products does this enterprise sell?
    19bii. (if non-food): What type of products does this enterprise produce/sell?

19c. Specify the new secondary business category: *(Select all that apply)* |___|
    19ci. (if retail): What type of products does this enterprise sell?
    19cii. (if non-food): What type of products does this enterprise produce/sell?

19di. Is the new primary location of this enterprise in a village or a market center?
    |___| Village |___| Market Center
    If village, search village. If market, search market

19dii. When did the primary enterprise location change from [EL2 Census Enterprise Village or Market Center 1]?
    Month: _____
    Year: _____

19e. Where is the new secondary location of this enterprise?
    |___| Village |___| Market Center |___| Doesn't have a secondary location anymore
    If village, search village. If market, search market

19f. Where is the new tertiary location of this enterprise?
    |___| Village |___| Market Center |___| Doesn't have a tertiary location anymore
    If village, search village. If market, search market

19g. At the primary enterprise location, where does this enterprise operate?
    |___| Homestead
    |___| Market stall
    |___| Own building
    |___| Share building
    |___| No building
    |___| Other Specify:_____

19h. Which household member is the new owner of this business? *Please prompt for the primary owner, if multiple household members run the business together.* |___| **Select from Section 4 HH roster**

19i. What is the owner's new phone number: _____

PART B. Financial information on each business

20. In the past 12 months, what months did your household operate this business?
|__| Jan |__| Feb |__| Mar |__| Apr |__| May |__| Jun |__| Jul |__| Aug
|__| Sep |__| Oct |__| Nov |__| Dec |__| Did not operate in the past 12 months

Continue if enterprise is <u>currently operating</u> or <u>not operating but operated in the past 12 months</u>. Otherwise, skip to next enterprise/to section 9.

21. a. **(If CURRENTLY OPERATIONAL)** In the past 7 days, what days was this enterprise open? *(Tick all that apply)*
    b. **(If NOT OPERATIONAL)** When it still operated, what days was this enterprise usually open in a typical 7-day period? *(Tick all that apply)*
|__| Open every day
|__| Monday |__| Tuesday |__| Wednesday |__| Thursday |___| Don't know
|__| Friday |__| Saturday |__| Sunday |__| None
If none, go to question 23.

22. On those days when the enterprise was open, how many hours was the enterprise usually open per day? |___|

23. a. **(If CURRENTLY OPERATIONAL)** In total, how many HOURS was this enterprise open for customers in the last 7 days? |___|
    b. **(If NOT OPERATIONAL)** In total, how many HOURS was this enterprise open in a typical 7 day period? |___|

24. **(If CURRENTLY OPERATIONAL)** In the past 7 days, how many hours did [Owner Name] work in total in this business? |___| hours

25. What were the total earnings (money in only - do not subtract any expenses) of this enterprise in the:
    a. **(If CURRENTLY OPERATIONAL)** Last week? |____|Ksh
    b. **(If CURRENTLY OPERATIONAL)** Last month? |____|Ksh
    c. Last 12 months |____|Ksh

26. What share of your total sales is made to …
a. final consumers/private individuals? |___|%
b. other enterprises (who will use your products to process/resell)? |___|%
    If [26a + 26b != 100] Warning: The shares should equal to 100.

27. What was the total profit of this enterprise over the: *(Note: In Ksh. Here we mean the amount you received after paying for expenses for this business, including hired workers, money for household members who helped, purchase of goods for sale or for inputs, such as raw materials, fuel, and electricity, but before purchasing personal items for yourself or your household. If unsure, FR can estimate. Ask in terms of ""commission"" if the FR runs an M-Pesa shop. If the business is co-owned, please report the TOTAL profit of the business, not only your share.)*
   a. **(If CURRENTLY OPERATIONAL)** Last week? |____| KSh
   b. **(If CURRENTLY OPERATIONAL)** Last month? |____| KSh
   c. Last 12 months? |____| KSh

Co-Owners

28. What is/was the ownership structure of this enterprise?
   |___| Single Owner
   |___| Joint Ownership
   |___| Cooperative

   If Joint/Cooperative, continue. If Single Owner, skip to question X.

29. How many other owners does this enterprise have? *(Note: Anyone that has claim on the profits of the enterprise and shares in business decisions is considered an owner. For cooperatives, list members of the cooperative.)*
   |___| Co-owners from this household
   |___| Co-owners outside the household

   b. **(if co-owners from the same household > 0):** Who in this household jointly owns this enterprise? |___| **Select from HH roster.**

LOOP through each co-owner FROM THE HH {
   30. No question here

   31. How many hours did this co-owner work in this enterprise over the last 7 days? |___|
} END LOOP

32. **(If # of co-owners outside the household = 0)**
   (If CURRENTLY OPERATIONAL) You said the business generated **[monthly profits] KSh** of profits in the last month.
   Did the owners in this household receive any other compensation (e.g. wages, food, etc.) not already contained in the total profits in the last month? *Note: additional compensation is any financial or in-kind benefit that the owners of this household received from this enterprise, not already counted under profits above.*
   |___| No
   |___| Yes   **(if yes)** How much was this additional compensation in total? |____| Ksh

33. **(If # of co-owners outside the household > 0)**
(If CURRENTLY OPERATIONAL) You said the business generated **[monthly profits] KSh** of profits in the last 30 days.
Of these **[monthly profits] KSh,** how much did the owners in this household receive? |_____| KSh

(If NOT OPERATIONAL) You said the business generated **[yearly profits] KSh** of profits in the last 12 months.
Of these **[yearly profits] KSh,** how much did the owners in this household receive? |_____| KSh

34. **(If # of co-owners outside the household > 0)**
(If CURRENTLY OPERATIONAL) You said the business generated **[monthly profits] KSh** of profits in the last 30 days:
    [monthly profits of HH owners] KSh   went to owners in this household
    [total profits - monthly profits of HH owners] KSh   went to owners outside this household
Is this correct? |____| Yes / No

(If NOT OPERATIONAL) You said the business generated **[yearly profits] KSh** of profits in the last 12 months:
    [yearly profits of HH owners] KSh   went to owners in this household
    [total profits - yearly profits of HH owners] KSh   went to owners outside this household
Is this correct? |____| Yes / No

35. **(If # of co-owners outside the household > 0)**
(If CURRENTLY OPERATIONAL) Did the owners in this household receive any other compensation (e.g. wages, food, etc.) not already contained in the **[monthly profits of HH owners] KSh** of profits they received in the last 30 days? *Note: additional compensation is any financial or in-kind benefit that the owners of this household received from this enterprise, not already counted under profits above.*
|____| No
|____| Yes   **(if yes)** How much was this additional compensation in total? |_____| Ksh

36. **(If # of co-owners outside the household > 5)**
(If CURRENTLY OPERATIONAL) Did all the owners outside this household together receive any other compensation (e.g. wages, food, etc.) not already contained in the **[total profits - monthly profits of HH owners] KSh** of profits in the last month? *Note: additional compensation is any financial or in-kind benefit that the owners outside this household received from this enterprise, not already counted under profits above. Sum ACROSS ALL OWNERS OUTSIDE THE HH.*
|____| No
|____| Yes   **(if yes)** How much was this additional compensation in total? |_____| Ksh

READ: (If CURRENTLY OPERATIONAL) You stated there are [# of CO-OWNERS] other co-owners outside of this household. I would now like to ask some details about these co-owners. If there are more than 5, please tell me about the 5 most important co-owners.

LOOP through each co-owner OUTSIDE THE HH if CURRENTLY OPERATIONAL {
    37. Is the co-owner one of the following? *Use network choices.*
       If one of network choices, skip to h. Otherwise, continue.
    a. What is this co-owner's name? _____
    b. Identify the co-owner village and HH ID **(search or cascade)**
    c. What is this co-owner's relationship to [Owner Name]? |___| *Use G4 codes*
    d. What is this co-owner's gender? |___| Male |___| Female
    e. What is this co-owner's age? |___| (is this an estimated age? (1=Yes, 2=No) |___|)
    f. Which school system did this co-owner participate in? _____
    g. What is the highest level of education that this co-owner has completed? _____
    h. What is co-owner's ethnicity (tribe)? _____
    i. When did this owner start working for this enterprise?
       |___| Year
       |___| Month
    j. How many hours did this co-owner work in this enterprise over the last 7 days? |___|
} END LOOP

    38. **(If CURRENTLY OPERATIONAL and if # of co-owners outside the household > 5)** What is the total amount of hours all owners OUTSIDE THE HOUSEHOLD worked in this enterprise over the last 7 days? *Sum across all owners not in this household, and over all 7 days.* |___|
       (If NOT OPERATIONAL and if # of co-owners outside the household > 0) What is the total amount of hours all owners OUTSIDE THE HOUSEHOLD worked in this enterprise over a typical 7-day period? *Sum across all owners not in this household, and over all 7 days.* |___|

Labor / Employment
    39. **(If CURRENTLY OPERATIONAL)** How many paid employees work in this enterprise? *Do not include owner or co-owner(s).* |___|
       (If NOT OPERATIONAL) How many paid employees usually worked in this enterprise at a given point in time when the enterprise was operating over the last 12 months? *Do not include owner or co-owner(s).* |___|

READ: (If CURRENTLY OPERATIONAL) You stated there are [# of EMPLOYEES] employees. I would now like to ask some details about these employees. If there are more than 5, please tell me about the 5 most important employees.

REPEAT THROUGH EACH PAID EMPLOYEE if CURRENTLY OPERATIONAL {
    40. Does this employee live in this household? (1=Yes, 2=No) |____|
    if YES, continue, if NO, SKIP TO b

FO Comments:/

a. Select the employee from the HH roster: |___| **(SKIP to j)**
b. . What is this employee's name? _____
c. Identify the employee HH / village _____
d. What is this employee's relationship to [Owner Name]? |___| *Use G4 codes*
e. What is this employee's gender? |___| Male |___| Female
f. What is this employee's age? |___| (is this an estimated age? (1=Yes, 2=No) |____|)
g. Which school system did this employee participate in? _____
h. What is the highest level of education that this employee has completed? _____
i. What is this employee's ethnicity (tribe)? _____
j. When did this employee start working for this enterprise?
            |___| Year
            |___| Month
k. How many hours did this employee work in this enterprise over the last 7 days? |___|
l. What was this employee's total compensation over the last 30 days? *Include salaries and any in-kind remuneration.*
   KES: |_____|
} END REPEAT THROUGH EACH PAID EMPLOYEE

41. **(If CURRENTLY OPERATIONAL and if # of employees > 5)** What is the total amount of hours all employees worked in this enterprise over the last 7 days? |___|
    (If NOT OPERATIONAL and # of employees > 0) What is the total amount of hours all employees worked in this enterprise in a typical 7-day period? |___|

42. **(If CURRENTLY OPERATIONAL and if # of employees > 5)** What was the total compensation of all employees together in the last 30 days? *Include salaries and any in-kind remuneration.*
    KES: |___|
    (If NOT OPERATIONAL and # of employees > 0) What was the total compensation of all employees together in a typical 30-day period? *Include salaries and any in-kind remuneration.*
    KES: |___|

43. Do/did any members of this household work as volunteers / unpaid employees in this business? |___| Yes / No

    43a. **(if yes)** Which members of this household?
    |____| [HH Member 1]
    |____| [HH Member 2]
    |____| ….

    43b. **(if any and CURRENTLY OPERATIONAL)** How many hours did each HH member work over the last 7 days?

|____| [HH Member 1]
|____| [HH Member 2]

43c. **(if any and NOT OPERATIONAL)** How many hours did each HH member work in a typical 7-day period?
|____| [HH Member 1]
|____| [HH Member 2]

44. **(If CURRENTLY OPERATIONAL)** How many volunteers from outside this household currently work in this enterprise? *Volunteers are unpaid employees.* |___|
(If NOT OPERATIONAL) How many volunteers from outside this household worked in this enterprise at a given point in time when the enterprise was operating? *Volunteers are unpaid employees.* |___|

45. **(if # of volunteers > 0 and CURRENTLY OPERATIONAL)** What is the total amount of hours all volunteers from outside this household worked in this enterprise over the last 7 days? |___|
(if # of volunteers > 0 and NOT OPERATIONAL) What is the total amount of hours all volunteers from outside this household worked in this enterprise over a typical 7-day period? |___|

46. No question here

Capital / Investment

47. How much did your household invest in order to start, purchase or gain control of this business? Include all monetary assistance that others contributed to allow FR to start this business. (0 = Business was inherited or transferred for free (gift))
Amount: |_____|

48. How did you obtain the resources your household initially invested in this business? *Select all that apply.*
|__| Own savings |__| Loan from relatives |__| Gift from relatives |__| Loan from friends
|__| Gift from friends |__| Bank loan |__| Merry-go-round |__| SACCO
|__| NGO cash transfer |__| Other (specify)

49. a. Do you currently have any outstanding loans for this business? *If any of these loans were already mentioned above, please include them again here.* |___| Yes / No   **If Yes, CONTINUE. If No, SKIP to question 13.**

a**.** What is the total amount of outstanding loans? *If any of these loans were already mentioned above, please include them again here.* |___| KSh

b. What was the total interest this business paid on all loans combined in the last 30 days? *Note: If interest payments are less frequent than monthly, calculate what the interest would have been per month. For example, if they paid 300 KSh over the last 3*

months, put 100Ksh.
|_____| KSh

READ: Now, I am going to ask about any physical assets that this enterprise owns, such as buildings, vehicles, or equipment. I want to remind you that we are collecting this information only for academic research purposes, and will keep this information as confidential as possible and will not report it to the authorities.

50. Which of the previously mentioned household assets do you also use for this enterprise? *Select all that apply.*
    |___| Bicycle
    |___| Motorcycle / scooter
    |___| Car / truck
    |___| Kerosene stove
    |___| Radio / cassette player / CD player
    |___| Sewing machine
    |___| Kerosene lantern
    |___| Tables
    |___| Sofa pieces (all kinds)
    |___| Clock or watch
    |___| Electric iron
    |___| Television
    |___| Computer/tablet
    |___| Mobile phone (non-smart)
    |___| Smartphone
    |___| Car battery
    |___| Boats (motorized or other)
    |___| Iron/Metal/Steel sheets
    |___| Hand carts
    |___| Wheelbarrows
    |___| Solar panel
    |___| Generator

	a. Does this enterprise own or rent any [ASSET]? *Include any*		**c**. **(if own)** How much are ALL the [ASSET] owned by this enterprise,	**d. (if own)** Has this enterprise rented out any [ASSET] in	**e. (if own)** How much of the total [XXX] KSh of [ASSET] does this business	**f. (if own)** How much did this enterprise receive in rental fees for	**g. (if own)** What was this enterprise's total expenditure /	**h. (if rent)** Think about all the [ASSET] this enterprise	**i. (if rent)** How much did this enterprise pay in rental fees for	**j.** (if rent) What was this enterprise's total expenditure /

FO Comments:/

	assets used for production in this business, even if already mentioned above as part of household assets. **If owns, continue. If rents, skip to g. If no, skip to next item.**		whether or not you use or rent them out, worth today? For example, if someone came to you today to buy ALL [ASSET], how much could you sell it for?	the last 30 days?	RENT OUT (rather than use for its own production? For example, if someone came to you today to buy the part of [ASSET] that you rent out, how much could you sell it for? **If YES, continue. If NO, skip to g.**	[ASSET] in the last 30 days?	investment in [ASSET] in the last 30 days? *Include net purchases / maintenance / repairs.*	rents in. Imagine you owned all of that [ASSET]. If someone came to you today to buy all the [ASSET] that you rent in, how much could you sell it for?	[ASSET] in the last 30 days? **Skip to next asset.**	investment in the [ASSET] you rented in the last 30 days, excl. rental payments? Include maintenance / repairs.
51. Land	**Please count only land used for this activity. Do not count land that is used by your household purely for private or**	b. How much land does this enterprise own? *Include land used for this business, even if it was already mentioned above.*	**Please do not count land that is used by your household purely for agricultural or non-business use.**							

	agricultura l use.	Enter 0 if all land used is rented.								
52. Buildings and structures	**Please do not count buildings and structures that are used by your household purely for private use.**	b. How many buildings and structures does this enterprise own? *Include buildings, even if they are part of the homestead.*	**Please do not count buildings that are used by your household purely for private use.**							
53. Vehicles Examples of large vehicles include cars, trucks, and boats. Examples of small vehicles include motorbikes, bicycles, scooters, and carts.										53. Vehicles
54. Machines and tools These are generally electrical or fuel-powered and are too large to hold in your										

hand. Tools are generally NOT electrical or fuel-powered and are small enough to hold and use in your hand.									
55. **Furniture or electronics** These are used for business (and are not for sale to customers). This may include tables, chairs, desks, computers, mobiles, TVs, and radios that you keep in your business, but they are NOT important to the way your business operates.									

56. Do you own any STOCK/INVENTORY for your business? These are items that you buy from suppliers and resell to customers. Please only include the products available now or finished goods that are ready for sale today. (1=Yes, 2=No) |____|
   if YES, continue. If NO, skip to question 57.

   56a. How much is ALL of your stock/inventory worth today? We mean if you had to replace all of it (in the same condition it is in now), how much would that cost? Please give your best guess for the total amount. |___|

   56b. What was your total expenditure on STOCK/INVENTORY purchased last month? |___|

57. Do you own any MATERIALS/SUPPLIES for your business? These are items that you buy from suppliers and use to make your final products or services. Please only include the inputs or supplies that have not yet been converted into a finished good. (1=Yes, 2=No) |____|
    if YES, continue. If NO, skip to question 58.

   57a. How much is ALL of your materials/supplies worth today? We mean that if you had to replace all of it in the same quality it is in now, how much would that cost? Please give your best guess for the total amount. |___|

   57b. What was your total expenditure on MATERIALS/SUPPLIES purchased in the last 30 days? |___|

58. If you had to buy something for your business tomorrow, approximately what is the most money you could access and spend? *Please include all cash on hand, as well as all money stored offsite (e.g. lock box at home but for business, mobile money account, in a business bank account, etc.).* |___| KSh

Costs

59. In the last 30 days, how much did you spend, in this business, on:
    a. Electricity and water? (from all sources) |____|
    b. Insurance? (exclude health insurance). |____|
    c. Security? (like guards, maintaining fences, etc.) |____|

READ: I would like to remind you that all answers you give will be kept as confidential as possible, and will not be reported to the authorities.

60. Is the business licensed with the county government? (1=Yes, 2=No) |____|
    If YES, continue. If NO, skip to question 60.
    60a. How much did this license cost? |____|
    60b. How many months in total is this license valid? |____|

61. Is the business name registered with the government? (1=Yes, 2=No) |____|
62. Is the business registered as a limited company? (1=Yes, 2=No) |____|

63. Last month, how much did you spend on:
    a. NSSF / Health insurance? |____|
    b. Market fees? |____|
    c. Taxes or fees to the county government? Exclude license payments |____|
    d. Taxes or fees to the national government? |____|
    e. Taxes, fees or fines to the Chiefs/assistant chiefs/village elders? |____|

FO Comments:/

f.   Additional payments to government officials, police or other authorities in order to do business? (i.e., bribes - but don't use that word) |____|

g.   Other operating costs, excluding salaries, wages, and rent (i.e. advertising, transportation) |____|

64. In the past 12 months, have you experienced any vandalism or theft from your business? (1=Yes, 2=No) |____|

SECTION 9. *Employment*

1. In the past 12 months, were any members of your household employed, working for pay? *Probe FR as to whether any members of the household are casual laborers, including casual labor for pay on someone else's farm or casual labor in other industries.* (1=Yes, 2=No, -99=FR is not employed/volunteering and does not know about other household members) |___|
    If YES, skip to question 1b. If NO, continue.

    1a.   In the past 12 months, were any members of your household working as a volunteer, intern or an attachment, with either no pay or only occasional pay? *This includes working voluntarily for a relative who is <u>not</u> a member of the FR's household.* (1=Yes,2=No, -99=FR is not employed/volunteering and does not know about other household members) |___|
    If YES, continue. If NO, skip to question 19.

Read: Now I would like to learn about what jobs members of your household currently hold or held over the last 12 months, including both paid and unpaid jobs (and internships and attachments), starting with your household's most important position. Please count as a job any work for pay on another person's farm. Please do not include self-employment positions in your answer. If you work(ed) for multiple employers in the same job / occupation (e.g. agricultural laborer on different farms), consider this ONE position.

I would like to remind you that all answers you give will be kept as confidential as possible, we're an independent organization and the information you provide won't have any effect on other programs.

    1b. Which members of your household currently work for pay or were employed for pay over the last 12 months? *Select all that apply from section 4 current household roster.* |___|

FO: Ask about each household member in turn. If the relevant household member is present, proceed directly with that HH member. Otherwise, try to get information from the FR. {

    2. Who is providing information on this person? |__| Self / FR

    3. **Read:** *Think of all the employed positions of this person in the last 12 months.* In the last 12 months, how many employed positions did this person have? |__|

FO Comments:/

If [number of employed positions] > 5: LOOP through the 5 most important positions

LOOP through each employed position of this person. Begin with the most important one. {

Read: I will now ask about each of these positions for [HH Member Name] in turn.

Questions	Codes	A: Employed position #1	B : Employed Position #2	C : Employed Position #3
4. In what occupation is this work?	*Use G9 codes* (-99=DK)	|____| Other:_____	|____| Other:_____	|____| Other:_____
5. In what industry is your employer?	*Use New F2 codes*	|____| Other:_____	|____| Other:_____	|____| Other:_____
6. **(If industry = ag_large, animal, ag_small, domestic)** Which household is your employer? **If employer is in study area, match to ID and GO to question 9. If NOT, GO to question 8.**	Use HH network codes to find employer HH			
7. **(If industry != ag_large, animal, ag_small, domestic)** Which enterprise is your employer? **If employer is in study area, match to ID and GO to question 9. If NOT, GO to question 8.**	Use ENT network codes to find employer HH			
8. Provide information about the employer. a. Name: b. Phone number:				
9. In what month and year did [HH Member Name] start this job?	(MM/YYYY)	|__|__|/|__|__|__|__|	|__|__|/|__|__|__|__|	|__|__|/|__|__|__|__|
10. In what month and year did [HH Member Name] end this job?	(MM/YYYY)	|___| current job |__|__|/|__|__|__|__|	|___| current job |__|__|/|__|__|__|__|	|___| current job |__|__|/|__|__|__|__|

FO Comments:/

11. In the last 12 months, which months did this person work in this position? *Include all months for which this person worked during some part of the month.*		|__| Jan |__| Feb |__| Mar |__| Apr |__| May |__| Jun |__| Jul |__| Aug |__| Sep |__| Oct |__| Nov |__| Dec	|__| Jan |__| Feb |__| Mar |__| Apr |__| May |__| Jun |__| Jul |__| Aug |__| Sep |__| Oct |__| Nov |__| Dec	|__| Jan |__| Feb |__| Mar |__| Apr |__| May |__| Jun |__| Jul |__| Aug |__| Sep |__| Oct |__| Nov |__| Dec
12. In this position, what is or was your employment status? *If had different statuses at different points in time, use most recent.*	***Use F6 codes***	|___| Other:_____	|___| Other:_____	|___| Other:_____
13. This position's working patterns could be best described as:	1 = Full time 2 = Part time 3 = Seasonal 4 = Other *(specify)*	|___| Other:_____	|___| Other:_____	|___| Other:_____
14. **(if current job)** How many hours did this person work at this job during the last 7 days? **(if past job)** How many hours did this person work at this job in a typical 7-day period?		|____| hours	|____| hours	|____| hours
15. **(if current job)** In the past 7 days, approximately how many employees work / worked at the place / business of this position? *Include this person in this count.* **(if past job)** In a typical 7-day period, approximately how many employees work / worked at the place / business of this position? *Include this person in this count.*	1=1, 2=2-5; 3=6-10; 4=11-20; 5=21-99; 6=100 or more; -99=DK	|___| Exact number (if known) |___| Category	|___| Exact number (if known) |___| Category	|___| Exact number (if known) |___| Category

16. **(if current job)** What was the amount of this person's <u>cash salary</u> in the past 30 days? ***Ask for pre-tax salary, where applicable.*** ***(if past job)*** What was the amount of this person's cash salary in a typical 30 day period?	***For currency, use G12 codes***	Amount: |_____| Currency if NOT Ksh: |___| Other: _____	Amount: |_____| Currency if NOT Ksh: |___| Other: _____	Amount: |_____| Currency if NOT Ksh: |___| Other: _____
17. For the past 30 days at this job (or in a typical 30 day period), what was the total value of this person's: a. payment in kind in food? b. NSSF / health insurance? c. housing benefits? d. uniforms / clothing benefits? e. training allowance? f. other allowances and benefits? ***FR can estimate if unsure.***	***For currency, use G12 codes***	a. Ksh |_____| b. Ksh |_____| c. Ksh |_____| d. Ksh |_____| e. Ksh |_____| f. Ksh |_____| Currency if NOT Ksh: |___| Other:_____	a. Ksh |_____| b. Ksh |_____| c. Ksh |_____| d. Ksh |_____| e. Ksh |_____| f. Ksh |_____| Currency if NOT Ksh: |___| Other:_____	a. Ksh |_____| b. Ksh |_____| c. Ksh |_____| d. Ksh |_____| e. Ksh |_____| f. Ksh |_____| Currency if NOT Ksh: |___| Other:_____
18. a. In the last 12 months, did this person pay any income taxes for this job? b. **(if yes and current job)** What is the amount this person paid in income taxes for the last 30 days? b. **(if yes and past job)** What was the amount this person paid in income taxes in a typical 30 day period? ***FR may estimate if they pay annually.***	***For currency, use G12 codes***	|__| (1=Yes,2=No) Amount: |_____| Currency if NOT Ksh: |___| Other: _____	|__| (1=Yes,2=No) Amount: |_____| Currency if NOT Ksh: |___| Other: _____	|__| (1=Yes,2=No) Amount: |_____| Currency if NOT Ksh: |___| Other: _____

} END LOOP through selected household members.

19. Are you or other members of your household currently looking for a job, or another job? *This includes those who are working but who are trying to find additional work.* (1=Yes, 2=No) \|___\|
If YES, skip to question 21. If NO, continue.

20. Why not? |___| *Use F8 codes.*
    SKIP TO SECTION 10.

21. Who in this household is currently looking for a job, or another job? *Select all that apply from section 4 current household roster.*
    |___|

22. **(if respondent selected)** During the last 7 days, how many hours did you spend actively searching for jobs, applying for jobs, or in *interviews?*   ___|
    If 0, skip to Section 10. Otherwise, continue.

23. **(if respondent selected)** During the last 7 days, what did you try to get a job, or another job? *Select all that apply.* |___|
    Use F4 codes

Section 10: Consumption/Expenditure

Read: *Now I would like to ask you questions about how your household spent money in the past few months, regardless of which person made the purchase. Please exclude from your answer any food purchased for processing, livestock consumption, or resale in a household enterprise.*

First, I would like to ask you some questions about food consumption that you eat at home.

	PURCHASES IN LAST 7 DAYS	HOME PRODUCTION	GIFTS	SHOPPING PATTERNS
	Q1: In the past 7 days, how much [CATEGORY] have the members of your household purchased? **Prompt for shillings.**	**Q2.** In the past 7 days, how much [FOOD] did your household consume from your own production? **Prompt for shillings. Ask FR to estimate how much the total consumption would be worth if SOLD AT THE MARKET PRICE IN THE LAST 7 DAYS.**	**Q3.** In the past 7 days, how much [FOOD] did your household receive as a gift from someone outside of the household?	**Q4.** From which village or market center did members of your household purchase [FOOD] in the last 30 days? *If multiple markets / villages, pick the main one, where you spent the most.* **Include "never purchased in the last 30 days" option**
[FOOD]	**KSH**	**KSH**		**VILLAGE or MARKET CENTER**
All cereals *Rice, maize, grains and flours, oats, pasta, biscuits and cakes, bread. Include grains used for food or alcohol*.				
Spent on grinding of maize, cereals, and any other products **(Only include price of GRINDING service, not of the product itself. If**		███████████	███████████	

FO Comments:/

purchased already ground, (e.g. maize flour), include in the product category (e.g. maize).				
All pulses *Beans, grams, black grams, peas, groundnut, cowpea*				
All vegetables *Tomatoes, kales, cowpea leaves, Onions, Cabbage, Mrenda, (Local Vegetable), Saka (Local Vegetable)*				
All meat *Beef, pork, bacon, mutton/lamb, goat, chicken, camel*				
All roots and tubers Irish potatoes, sweet potatoes, cassava, cassava flour, yams, arrow root, crisps, chips.				
All fish *includes fresh, dried, frozen, smoked, omena*				
All dairy products and eggs *Milk (fresh, condensed), mala, yoghurt, cream, cheese, eggs*				
All oils and fats *Cooking fat, butter, Ghee, Margarine, Cooking oil, Lard (Animal fat, Peanut butter*				
All fruits *Bananas, oranges, pawpaws, avocado, mangos, pineapples, passion fruit, pears, plums, apples, lemons, grapefruit, strawberries, other berries, melons, grapes, coconuts, jackfruit*				
All sugar products *Sugar, sugar cane, jaggery, icing sugar, honey*				
All non-alcoholic drinks				

FO Comments:/

Tea leaves, preserved fruit juice, coffee, soda, soya drink, health drink, drinking chocolate, mineral water				
Alcoholic drinks / tobacco? Spirits, wine, beer, brews (busaa, changaa), cider; cigarettes, bhang, snuff, khatt, miraa				

FO NOTE: The following questions ask about spending in the past one month.

ITEM	Q5. In the past 30 days, how much did your household spend on [ITEM] in total? (KSH) *Enter zero if none are consumed. DK=-99*	Q6. (If non-zero purchases) From which village or market center did members of your household purchase [ITEM] in the past 30 days? *If multiple markets / villages, pick the main one, where you spent the most.* **Include "DK"**
a. Airtime, other phone expenses	|_____|	
b. Internet	|_____|	■■■■
c. Petrol, tolls, transport such as taxi/bus/matatu/boda/piki/train/flight fare, hotel stays (NOT including medical reasons)	|_____|	■■■■
d. Lottery tickets/gambling	|_____|	■■■■
e. Clothing and shoes	|_____|	
f. Prepared meals outside the house (including restaurants, kiosks,...)	|_____|	
g. Recreation/entertainment such as books/magazines, music/CDs, videos, tickets to any entertainment	|_____|	
h. Personal items (hair cuts, toiletries, cosmetics, combs)	|_____|	
i. Household items (soap, cleaning agents, toilet paper/tissues, air freshener, shoe polish, insecticide, matches, candles)	|_____|	
j. Firewood, charcoal and kerosene	|_____|	
k. Electricity	|_____|	■■■■
l. Water	|_____|	

FO Comments:/

FO NOTE: The following questions ask about spending in the past 12 months.

ITEM	Q7. In the past 12 months, how much did your household spend on [ITEM] in total (KSH)?	Q8. (if Q7 > 0) From which village or market center did members of your household usually purchase [ITEM] in the last 12 months?
a. House rent/mortgage	|_____|	■
b. Fixing home damage or doing essential maintenance (e.g. fixing a leaking roof)	|_____|	■
c. Improving or expanding the home (e.g. metal sheets, doors, timber, labor, etc.	|_____|	
d. Religious expenses or other ceremonies (excluding weddings and funerals)	|_____|	■
e. Charitable donations	|_____|	■
f. Weddings, Funerals (including outside their household if contributed to their costs)	|_____|	■
g. Medical expenses related to covid-19, including face masks, soap, hand sanitizer, etc.	|_____|	
h. All other medical expenses (including consultation fees, medicines, hospital costs, lab test costs, ambulance costs, and related transport)	|_____|	
i. Household durables **FO: Read list below, calculate total** 1 Vehicles (car, boat, bike, motorbike, handcarts, etc.) 2 Furniture (bed, chair, vases, mirror, etc.) 3 Kitchen and other equipment (cutlery, pots, pans, plates, etc.) 4 Electronic equipment, (lamps, mobile phone, television, etc.) 5 Tools **We ask about livestock in ag section.**	|_____|	
j. Dowry/bride price	|_____|	■

Q9. In the past 12 months, did your household spend any money on other expenses greater than KSH 1000? (1=Yes, 2=No)
\|_____\|
If YES, continue. If NO, skip to section 11.1

LOOP THROUGH UP TO 3 EXPENSES {
 a. Please specify this other expense: _____
 b. How much did you spend on these other expenses in total in the last 12 months? (KSH) \|_____\|
}

FO Comments:/

Section 11.1 Community Groups

1. Do you or any member of your household take part in a community group? *Note: community groups include men's/women's groups, table banking groups, youth groups, political groups, self-help groups, etc.*
   If NO, skip to next section. If YES, continue.

   1a. How many community groups are you or any other member of your household currently a member of? |____|

If 1a > 3, read: The respondent reported that members of the household are currently a member of [1A] groups. We are only interested in the 3 groups they are most engaged in. Please ask the respondent to think about these 3 groups, then ask the following questions one-by-one about each group.

If 1a < 3, read: The respondent reported that members of the household are currently a member of [1A] groups. Please ask the respondent the following questions one-by-one about each group.

		Group #1	Group #2	Group #3
2. Group name. *Please probe to get the group name, not just the purpose.*	Use group name preload, or enter other			
3. Group purpose (select all that apply)	**Use Group Purpose codes.**	|_| / |_| / |_| Other:	|_| / |_| / |_| Other:	|_| / |_| / |_| Other:
4. Where is this group primarily located?	**Go through village / market cascade. Allow for no location.**	|__|	|__|	|__|
5. Please select all members of the household that are members of this group	***Use household roster information***	|_| / |_| / |_|	|_| / |_| / |_|	|_| / |_| / |_|
6. Does any member of this household hold a leadership position in this group? Select all household members that do.	***Use household roster information, or none***	|_| / |_| / |_|	|_| / |_| / |_|	|_| / |_| / |_|
7. How desirable is it for people in your village to belong to this group?	1 = very desirable 2 = somewhat desirable 3 = not very desirable -99=DK	|__|	|__|	|__|

IF group purpose includes ROCSA/table banking, continue to 8. Else skip to question 9. 8. What is the minimum amount that you are expected to contribute?	(KES) Enter 0 if there is no minimum contribution.	|____|	|____|	|____|
9. What were your household's total contributions to this group in the last 12 months?	Hint: ***Exclude** ROSCA pot/table banking. **Include** registration fees, membership fees, contributions to group's existing assets such as maintenance of assets, to new purchases or to initiatives. Please include contributions in cash, or the value of food or goods.* ***Include** 0 for no contributions*			
10. How much have you or anyone from your household actually received in income from this group in the last 12 months, other than any loans? Include income from renting any assets owned by the group.	Include cash, the value of food or goods received, and interest on loans made out by the group. [KSH] [0: No income]	|____|	|____|	|____|
11. Did this group think about a joint initiative in the past 12 months? **If YES, continue. If NO, skip to question 13**	(1=Yes, 2=No, -99=DK)	|____|	|____|	|____|
11a. How many initiatives did this group think about?		|___|	|___|	|___|
11b. What were the purposes of the group's initiatives? Please select all that apply.	1. For assets or equipment for the group to rent, e.g. plastic chairs 2. For equipment or tools for members to share on their farms/business, e.g. a plough 3. For inputs for members' farms or businesses, e.g. seeds	|_| / |_| / |_| Other: _____	|_| / |_| / |_| Other: _____	|_| / |_| / |_| Other: _____

FO Comments:/

	4. To provide infrastructure for the community, e.g. a new school building 5. To provide infrastructure for the group members only, e.g. a building members can use -77. Other (specify)			
11c. What was the total amount raised for these initiatives combined?		|____|	|____|	|____|
11d. How many initiatives have been completed successfully (e.g. the intended purchase has been made)?				
11e. How many initiatives have been completed partially (e.g. part of the intended purchase has been made)?				
12. In the last 12 months, has the group approached any **prominent local person** for support, either financial support or for obtaining services, and/or received support, even without asking for it? We are asking about support for the group or the community, not on behalf of an individual member. *Hint: By prominent local people, we mean current politicians, any aspirants for local or regional public office. Include approaches made to agents or intermediaries acting on behalf of a prominent person.* **Select all that apply** **If 1-4 continue. If 5, skip to 12b. If NO, skip to the next section.**	1 Group asked for financial support, and received it 2 Group asked for financial support, but did not receive it 3 Group asked for support obtaining a service, and received it 4 Group asked for support obtaining a service, but did not receive it 5 Group did not ask for any support, but received some 0 None of the above -88 DON'T READ: Refuse to answer	|____|	|____|	|____|
12a. Who did this group ask for support from? *Select all that apply*	**Use Group Request codes:**	|__|/|__|/|__|	|__|/|__|/|__|	|__|/|__|/|__|

FO Comments:/

If q10 = 1, continue. Else go to the next group/Section.	1=Current MCA, 2=Current MP, 3=Current Governor, 4=Other current politician, 5=Past politician, 6=Other prominent person (don't specify)			
12b. From whom did this group receive support? *Select all that apply.*	**Use Group Request codes**	|____|	|____|	|____|
If 12 = 1, 3 or 5, continue. Else go to the next group/Section. 12c. What was the total value of support received? *Include both monetary and in-kind support; please estimate value of in-kind support.*		_____	_____	_____

Section 11.2. Public Goods

1. Thinking about public fundraising events (harambees) in the last 12 months, which of the following has your household contributed to? *Select all that apply. Use Harambee Purpose codes. FO Note: If respondent is unsure about answering harambee questions, please read: We believe harambees bring people in Kenya together and unite communities. They are great opportunities for communities in Kenya to collect funds for a good purpose like education. They are an integral part of community life and contribute to self-empowerment of local communities in Kenya.*

\|__\| / \|__\| / \|__\| / \|__\| / \|__\| Other: _____

Read: I will now ask a few further questions about the contributions your household made to each of these harambee purposes..

LOOP through each purpose type {

    2a. How many times did you contribute to harambee for [PURPOSE] over the past 12 months? \|___\|

    2b. How much did you contribute to harambees for [PURPOSE] in total in the past 12 months, both in-kind and in cash? \|____\| KSh

    2c. How satisfied were you with how the collected money was spent? \|___\| (1=very dissatisfied to 5= very satisfied)

IF Harambee Purpose codes = School facilities OR Health clinic/dispensary OR Water points OR Road construction/maintenance OR Market center OR Other community development project, then 2d:

        FO Comments:/

2d. What is the stage of the [PURPOSE] facility you contributed to? |___| (1. Still in planning; 2. Under construction or renovation, but not likely to be completed; 3. Under construction or renovation, likely to be completed; 4. Completed)

} end LOOP through harambee purpose types

3. In the past 12 months, did you or members of your household provide volunteer or unpaid labor for any community projects or activities? *E.g., clearing brush off roads, slashing community spaces, maintaining water points, projects related to school development. Exclude any work you have discussed during the section on groups.* (1=Yes, 2=No, 99=DK) |___|

   3a. (if YES): In the past 12 months, how many hours in total have members of your household provided volunteer or unpaid labor for any community projects or activities? |_____|

4. In the past 12 months, has your household benefited from a harambee or collection? In other words, your household received money from a harambee or collection.(1=Yes, 2=No, 99=DK) |___|

   4a. (if YES): In the last 12 months, what was the total value of the contribution (in cash or in kind) you or any members of your household received through harambees or collections? *Please estimate the value of in-kind contributions*
   Amount: |_____|

Read: *We know that sometimes households have targets or expectations for contributions, and that sometimes households are able to meet these targets and other times they are not.*

5. In the past 12 months, how many times has your household been given any targets or expectations for contributions that you did not meet for harambees or any other collections, both in-kind and in cash? |_____|
   If > 0, continue. If not, skip to question 6.

5a. For what purpose were these targets or expectations? *Select all that apply. Use harambee purpose codes*
   |___| / |___| / |___|

5b. What was the main reason you did not make these contributions? *Select one:* |____|
   1 = I believe the people running the event(s) would not deliver on the project
   2 = The cause or project for which the fundraising event(s) was run was not important to m

3= I had no personal connections to the people running the event(s)

4 =I didn't think the project would benefit me directly

5 = I couldn't contribute as I had contributed to other projects already

6= I did not have cash on hand at the time of the project

7 = Other (specify) _____

-88= Refuse to answer

-99 = Don't know

6. In the last 12 months, did you pay any taxes, fees or fines to the village elder, assistant chief or chief? Do not include contributions towards targets that have already been discussed. *Select all that apply.* (1=Paid taxes or fees, 2=Paid fines, 3=No, -99=DK)
|____| / |____| / |____|
If 1 selected, go to question 6a. If only 2 selected, go to question 6b. If no, skip to question 7.

6a. How much did you pay any taxes or fees in the past 12 months? *Do not include contributions towards targets that have already been discussed.* |_____|

6b. How much did you pay in fines in the past 12 months? |_____|

Read: Now I would like to ask you some questions about public facilities in your area.

	7. Think about the [FACILITY] you most use. How many minutes walk is it from your homestead?	8. What type of [FACILITY] is this? Water points: 1=Piped water, 2=Well (gather), 3=Protected spring, 4=Unprotected spring, 5=Collected rainwater, 6=Lake/pond, 7=River/stream, 8=Borehole well (high quality water), 9=Borehole well (low quality water), -77=Other)	9. How would you rate the quality of this [FACILITY]? (5=very good, 4=good, 3=fair, 2=poor, 1=very poor, (DON'T READ): -99=DK, -88=Refuse

		Health clinic/dispensary: 1=Public health clinic, 2=Dispensary	
i. Water point	|____|	|____| Other: _____	|____|
ii. Public health clinic/dispensary	|____|	|____| Other: _____	|____|

10. What would you say is the area of greatest need for more development spending in your area? (1=Primary schools, 2=Secondary schools, 3=Water points, 4=Roads, 5=Market centers, 6=Electrification, 77=Other, 8=No need for more development spending) |_____|

FO Comments:/

11. In the last 12 months, have you had contact with, or tried to get any contact with, the following services: (1=Yes, 2=No) **If YES, skip to 13. If NO, continue to 12..**	12. In the past 12 months, would you have liked to get any of the following services, but didn't? Why? Select the main reason. (0=No, this was not relevant to me, 1=Yes, but I didn't have time, 2=Yes, but I couldn't afford the costs or travel/airtime, 3=Yes, but it was too much hard work, 4=Yes, but I didn't think I would obtain it, 5=Yes, but I couldn't afford the gift or favour expected by the official in return) **SKIP to next row.**	13. Did you obtain this service? (1=Yes, 2=No) **If YES, continue to 14. If NO, continue to 15.**	14. How long did it take to obtain the service from first contact attempt?	15. Did you ask a prominent local person to intercede on your behalf, to help you obtain the services? (1=Yes, and they interceded; 2=Yes, but they did not intercede, 3=No, -88=Refuse to answer) **If 13 = yes, continue; otherwise skip to next row.**	16. Did you have to give a gift to an official, or do a favour for an official to get this service? (1=Yes, 2=No, -88= Refuse to answer)	17. How satisfied were you with what you received? (*1=very dissatisfied, 2= dissatisfied, 3=Neutral, 4=satisfied, 5 = very satisfied, -99=Don't know, -88=Refuse).*
a. Teachers or school officials from a public school? |____|		|____|	Amount: |_____| Unit (1=*Day;* *2=Week;* *3=Month; 4=Year):* |__|	|____|		|__|

				Amount / Unit			
b. A public clinic, hospital or dispensary?	|____|		|____|	Amount: |_____| Unit (1=*Day*; 2=*Week*; 3=*Month*; 4=*Year*): |__|	|____|		|_|
c. Obtaining an official personal document from a Huduma Center, such as birth certificate, driver's license, passport or voter's card?	|____|		|____|	Amount: |_____| Unit (1=*Day*; 2=*Week*; 3=*Month*; 4=*Year*): |__|	|____|		|_|
d. Obtaining an official permit, such as a permit to start a group or a business?	|____|		|____|	Amount: |_____| Unit (1=*Day*; 2=*Week*; 3=*Month*; 4=*Year*): |__|	|____|		|_|
e. Obtaining an electricity connection	|____|		|____|	Amount: |_____| Unit (1=*Day*; 2=*Week*; 3=*Month*; 4=*Year*): |__|	|____|		|_|

Section 11.3 Crime and Safety

READ: Now I would like to ask if you have been the victim of a crime or an attempted crime during the past 12 months.

FO Comments:/

	Q: During the last 12 months… (1=Yes, 2=No) If YES, continue. If NO, go to next row	(a) How many times?	(b) Did you report the crime to the police or the local administration (chief, assistant chief, liguru)? (1=Yes, 2=No)
1. … has someone stolen or attempted to steal any livestock from you?	|___|	|___|	|___|
2. … has someone stolen or attempted to steal any household items?	|___|	|___|	|___|
3. … has someone stolen or attempted to steal any cash from you?	|___|	|___|	|___|
4. …. has someone assaulted you without a weapon?	|___|	|___|	|___|
5. … has someone assaulted you using a weapon (such as a club, machete or gun)?	|___|	|___|	|___|
6. … have you been the victim of arson?	|___|	|___|	|___|
7. … have you been the victim of witchcraft?	|___|	|___|	|___|
8. … have you been the victim of any other crime or attempted crime? If YES: Describe other crime:	|___|	|___|	|___|

9. In the last 12 months, have you been somewhat worried about, very worried about, or not very worried about crime and safety in your neighbourhood? (1=somewhat worried, 2=very worried, 0=not very worried)   \|____\|

FO Comments:/

SECTION 12.1 Health and Nutrition

The questions in this section and the next section are more personal. Please try to ensure the privacy of the FR.

Read: Now I would like to ask you some questions about your health and nutrition. Please remember that you do not have to answer any questions you do not want to.

---

1. How many meals did you eat yesterday? Chai (tea) by itself is not considered as a meal. |___|
   If ZERO, skip to question 4.

2. How many of these meals included meat or fish? Omena (small fish) should be included, but eggs should not.
   (77=Refuse to answer) |___|

3. How many of these meals included eggs? **(-88=Refuse to answer, -99= DK)** |___|

4. During the past 30 days, how many <u>days</u> of work or housework or school did you miss due to poor health? (0=None, -98=N/A) |___|

5. Would you describe your general health as very good, somewhat good, or not good? (1=Very Good, 2=Somewhat good, 3=Not good, DON'T READ: -88=Refuse to answer) |___|
   If 2 or 3, continue. OTHERWISE, skip to question 7.

6. Would you describe your general health as good, fair, poor, or very poor? (1= Good, 2=Fair, 3=Poor, 4=Very poor, DON'T READ: -88=Refuse to answer) |___|

	In the last 7 DAYS, how many days have ADULTS in your household…	In the last 7 DAYS, how many days have CHILDREN (<16) in your household…
7. …gone to bed hungry?	a. |___|	b. |___|
8. ….skipped meals or cut the amount of meals?	a. |___|	b. |___|
9. ….gone entire days without food?	a. |___|	b. |___|

---

10. Now I'm going to ask you some questions on your health that in some way may touch your private life. You may have experienced some of these illnesses or not. Please let me know if you have experienced any of these illnesses or symptoms in the last three months				
Read options. Indicate all that apply. (1=Yes, 2=No, 3=DK what that symptom / illness is)				
(A) Fever	|___|	(M) Malaria	|___|

FO Comments:/

(B) Persistent cough	|__|	(N) Typhoid	|__|
(C) Always feeling tired	|__|	(O) Tuberculosis	|__|
(D) Stomach pain	|__|	(P) Sores or ulcers on the genitals	|__|
(E) Worms	|__|	(Q) Cholera	|__|
(F) Blood in stool	|__|	(R) Yellow fever	|__|
(G) Rapid weight loss	|__|	(S) Asthma / breathlessness at night	|__|
(H) Frequent diarrhea	|__|	(T) Frequent and excessive urination	|__|
(I) Skin rash or irritation	|__|	(U) Constant thirst / increased drinking of fluids	|__|
(J) Open sores / boils	|__|	(V) Diabetes	|__|
(K) Difficulty Swallowing	|__|	(W) **Men only:** Unusual discharge from the tip of the penis.	|__|
(L) Serious wound or injury	|__|	(X) High blood pressure / hypertension	|__|
		(Y) Other (specify): _____	|__|

11. During the last <u>three months</u>, how many visits to a hospital or clinic did you make? ***Only include visits for the FR's own medical care, not that of a family member or friend. If ZERO, skip to question 15b.***	|___|
11a. What was the reason for this/these visits? *Select all that apply. Use major health problem codes.*	|___|
11b. Were your visits to 1=private hospitals / clinics, 2=public hospitals / clinics, 3=both?	|___|
IF BOTH: 11c. How many of these visits were to public hospitals / clinics?	|___|
11d. In how many of these visits were you admitted to the hospital?	|___|

11e. Was the hospital or clinic able to address your needs? (***DO NOT READ**, simply code the FR's response*)
  |___| No, they had insufficient supplies and staff
  |___| There were staff, but they had limited supplies
  |___| There were some supplies, but limited staff to help us
  |___| There were sufficient staff and supplies to help us
  |___| Other:	

12. During the last <u>12 months</u>, have you taken any drugs for worm infections or schistosomiasis? (1=Yes, 2=No)	|__|
13. Did you sleep under a bednet last night? (1=Yes, 2=No)	|__|

14. Have you experienced any major health problems that seriously affected your life or work in the last 12 months?
    (1=Yes, 2=No)   \|___\|
    If Yes, CONTINUE. If No, SKIP to section 12.2.

103 / 132   FO Comments:/

15. Which of the following health problems did you experience that seriously affected your work or life in the last 12 months? *Select all that apply.* **Use H1 codes**

16. What impact has these health problems had on your life? **Use H2 codes. List up to 3.**

Section 12.2 Current Public Health Events

1. How many different people from outside this household have you interacted with in-person? *By interact, we mean talk, touch, hug, etc. Do not count people you only crossed on the street and had no interaction with.*
   Yesterday |___|
   In the past 7 days: |___|

2. How many different people have you talked with on the phone or exchanged text messages with?
   Yesterday |___|
   In the past 7 days: |___|

Read: I would like to remind you that this information is only used for research purposes, and that we will not share this information with anyone.

3. Do you own a mask? |___| (1=Yes, 2=No)
   If YES, continue. If NO, skip to X.

4. In the past 7 days, did you wear a mask … (1=Yes, every time; 2=Yes, some of the time; 3=No; -98=Did not visit in last 7 days)
   i.   … when you went to a market center? |____|
   ii.   … when you attended a religious gathering? |____|
   iii.   … when you used public transport? |____|
   iv.   … when you visited a store in the village? |____|
   v.   … when you visited another household? *We mean, when you reached that household, indoors or while talking to member of that household.* |____|
   vi.   … at work? |____|

5. a. Out of 10 other households in your village, how many do you think wear a mask or face covering… *Prompt for number out of 10.*

i.	… when they go to a market center	|_____| 1 - 10
ii.	… when they attend a religious gathering?	|_____| 1 - 10
iii.	… when they use public transport?	|_____| 1 - 10
iv.	… when they visit a store in your village?	|_____| 1 - 10
v.	… when they visit another household in your village?	|_____| 1 - 10
vi.	… at work?	|_____| 1 - 10

b. Out of 10 other people wearing a face mask in your village, how many do you think wear it correctl (completely covering their mouth and nose)…? *For example, wearing a mask around the neck or chin would be considered incorrect.*
   i. Within the village: |_____| 1 - 10
   ii. Outside the village: |_____| 1 - 10

6. a. How many members of your household have been tested for COVID-19? |___|
   b. *(if none)* Did anyone in your household try to get tested but was unable to? |___| (1=Yes, 2=No)
   c. Has anyone in this household ever tested positive for COVID-19? |___| (1=Yes, 2=No)

7. Do you know anyone outside this household that has, or has had, COVID-19/coronavirus? *By knowing someone, we mean someone you could identify by name, and that you have interacted with before.* |___| (1=Yes, 2=No)**If YES, continue. If NO skip to section 13.**

   a. Who are these persons? Select all that apply.
   |___| Family members living in this village
   |___| Family members living in this sublocation, but outside the village
   |___| Family members living in Siaya county, but outside the sublocation
   |___| Family members living outside Siaya county
   |___| Someone from workplace
   |___| Friends living in this village
   |___| Friends living in this sublocation, but outside the village
   |___| Friends living in Siaya county, but outside the sublocation
   |___| Friends living outside Siaya county
   |___| Neighbors
   |___| Other: _____

FO Comments:/

SECTION 13.1: Redistributive Attitudes

FO NOTE: For this section (13.1), READ THE QUESTIONS EXACTLY AS WRITTEN. You may REPEAT any question as many times as you'd like, but DO NOT REPHRASE any question or add additional comments or explanations. If the FR has trouble understanding the statement, please re-read but do not try to explain the question in a different manner.

Read: I am now going to ask you about your opinions on a few statements, and I'd like you to tell me whether you agree or disagree with them.

Possible responses for the following questions are: 1=Completely agree; 2=Agree somewhat; 3=Disagree somewhat; 4=Completely disagree. **Do not read:** 5=Neutral, -99=DK	
1. The government should take measures to reduce differences in income levels.	|___|

Read: For the following pairs of statements, tell me which statement is closest to your view. Choose Statement A or Statement B.
Possible responses:
1=Agree very strongly with A
2=Agree with A
3=Agree with B
4=Agree very strongly with B
DO NOT READ Option 5 or DK:
5=Agree with neither
-99=DK

2. A. All households in a community should pay equal amounts for items that benefit the whole community.
    B. Households that are able to pay more should pay more for goods that benefit the whole community.
    Probe: Do you agree very strongly? \|___\|

3. A: People's incomes should be made more equal,
    B: Income differences are needed as an incentive for individual effort.
    Probe: Do you agree very strongly? \|___\|

4. A: The government should take more responsibility to ensure that everyone is provided for
    B: Individuals should take more responsibility themselves to ensure that everyone is provided for.
    Probe: Do you agree very strongly? \|___\|

5. A: Communities should take more responsibility to ensure that everyone is provided for

B: Individuals should take more responsibility themselves to ensure that everyone is provided for.
Probe: Do you agree very strongly? |___|

6. A: People can only get rich at the expense of others,
   B: Wealth can grow so that there is enough for everyone.
   Probe: Do you agree very strongly? |___|

7. A: It is most important to guard the health of groups that are especially vulnerable to COVID-19.
   B: It is most important to support livelihoods by keeping businesses and schools open despite COVID-19 risks
   Probe: Do you agree very strongly? |___|

8. Imagine that someone from outside comes into this community, and wants to do a development project. They give the community the choice between two projects. What do you think is the best thing to do? *Read out options to the respondent and let them choose one.*
   1 = discuss together as a community until a decision is reached
   2 = allow all community members to have a vote
   3 = allow the village authorities to decide |___|

FO Comments:/

SECTION 13.2 Social Capital and Religious Attitudes

Read: Now, I would like to ask you about your social activities and your views on society.

1. We have spoken to many people and they have all described themselves in different ways. Some people describe themselves in terms of their language, religion, race, gender, and others describe themselves in economic terms, such as working class, middle class, or a farmer. Besides being a Kenyan , which specific group do you feel you belong to first and foremost? *Do not read responses aloud. Simply allow FR to respond and code response according to which category it fits into.*

   |___| (1=Ethnicity / Language, 2=Religion, 3=Class / Occupation, 4=Gender, 5=Other (specify): _____)

	Codes	Answer
2. Generally speaking, would you say that most people can be trusted or that you need to be very careful in dealing with people?	1=Most people can be trusted 2=Need to be careful -99=DK	|___|
3. In general, can you trust members of your tribe?	1=Yes, 2=No, -99=DK	|___|
4. In general, can you trust people of other tribes?	1=Yes, 2=No, -99=DK	|___|
5. In general, can you trust people of your church / mosque? *If -98, skip to question 7.*	1=Yes, 2=No, -99=DK, -98=Doesn't belong to a church / mosque	|___|
6. In general, can you trust people of other churches / mosques?	1=Yes, 2=No, -99=DK	|___|
7. In general, can you trust people of your own village?	1=Yes, 2=No, -99=DK	|___|
8. In general, can you trust people of other villages?	1=Yes, 2=No, -99=DK	|___|

9. What is your religion or denomination**? *Use G11 codes*** |___| Other: _____

10. Was your religion / denomination [religion name] at [BASELINE DATE]? |___| Yes / No
    a. **(if no)**What religion or denomination were you in [baseline date]? ***Use G11 codes*** |___| Other: _____
    b. **(if no)** Why did you change your religion or denomination? *List up to 3.*

If no religion, skip to question 22.

11. Is your religion very important, somewhat important or not very important to your life? (1=Very important; 2=Somewhat important; 3=Not very important) |___|
12. Do you attend church / mosque regularly? |___| (1=Yes, 2=No)

FO Comments:/

If YES: 12a. Where do you attend church / mosque regularly? *Please select the village in which your place of worship is located:*
_____

If YES: 12b. What is the name of your place of worship? _____

If YES: 13. Did you attend church/ mosque last week? *Select all that apply.* (1=Yes, in person, 2=Yes, remotely, 3=No) |___|

14. In the past 30 days, what is the value of cash or goods you donated to your church / mosque? **Note: *Include personal donations, and donations made collectively as a household. This should include any donations to the church coffer, for a church event, or to any church leadership, but should not include gifts to non-leadership members of the church.*** (-88=Refuses to answer)
|_____|

15. In the past 30 days, how many hours of time, outside of regular worship or bible study, have you donated to working for, helping or organizing in your church / mosque? |___|

16. In the last 12 months, would you say you've become more religious, stayed the same or become less religious? (1=More religious, 2=Same, 3=Less religious, -99=DK) |___|

If respondent is currently Christian, continue. Otherwise, skip to question 22.
17. In the past 12 months, have you served in any of the following roles? *Select all that apply.*
    |___| Pastor
    |___| Priest
    |___| Overseer
    |___| Deacon / elder
    |___| Service volunteer
    |___| Choir / musician
    |___| other: _____

18. When you attend religious services, how often do they include people speaking in tongues, prophesying, praying for miraculous or divine healings, or displaying physical signs of the spirit such as laughing and shaking? Would you say always, frequently, occasionally, or never? (1=Always, 2=Frequently, 3=Occasionally, 4=Never, -88=Refuses to answer, -99=DK) |___|

Read: Please tell me if you completely agree, mostly agree, mostly disagree or completely disagree with the following statements.

19. God will grant material prosperity to all believers who have enough faith.
    |___| (1=Agree completely, 2=Mostly agree, 3=Mostly disagree, 4=Completely disagree, -88=Refuses to answer, -99=DK)

20. God will grant good health and relief from sickness to believers who have enough faith.
    |___| (1=Agree completely, 2=Mostly agree, 3=Mostly disagree, 4=Completely disagree, -88=Refuses to answer, -99=DK)

FO Comments:/

21. Are you saved? (1=Yes, 2=No, -88=Refuses to answer, -99=DK) |___|

22. What is your tribe (or mother tongue)? *Use G10 codes. Female respondents should NOT give the tribe of their husband.* |___| _____
23. Is your ethnic or tribal origin somewhat important, very important or not very important to your life? *Probe FR to think about this and choose. Try not to use -99=DK.* (1=Very important, 2=Somewhat important, 3=Not very important) |___|
24. If you had to say only one, what is more important, your tribe or your nationality (i.e., Kenyan)? *Probe FR to think about this and choose. Try not to use -99=DK.* (1=tribe, 2=nationality) |___|

FO Comments:/

Section 13.3 Civic and Political Attitudes and Behavior

	1a. In the last 12 months, have you attended any of the following? (1=Yes, 2=No) **If YES, continue. If NO, go to next line.**	1b. In the last 12 months, how many times have you attended [MEETING TYPE]?	1c. In how many of these meetings did you speak publicly on the topic of the meeting ?
i. Assistant chief or village elder barazas to discuss construction or repair of public facilities			
ii. Any other assistant chief or village elder baraza			
iii. Public consultation meeting for use of ward or constituency development fund, or other county government meeting			
iv. School management committee or parent teacher association meeting, or other school meeting			
v. Other public meeting (specify) _____			

2. Since [BL date / January 2014], has any member of your household held a position of responsibility or leadership within the village?
   Note: Examples are Assistant chief, village elder, miji kumi, clan elder, community health worker, School management committee/parent teacher association, Do not include religious leaders as we have already discussed these.(1=Yes, 2=No, -88=Refuse) |____|
   If YES, continue. If NO, go to question 3.

   2a. Which household member(s)? *Select all that apply.* **Use choice list from household roster.** |___| / |___| / |___| / |___|

   Loop through selected individuals {

2b. Which position(s)? *Select all that apply.* (1=Assistant chief, 2=Village elder, 3= Miji kumi, 4= Clan Elder, 5=Community health
worker, 6=School management committee/parent teacher association, 7=Other (specify)) |___| / |___| / |___|
} End loop.

3. In the past 7 days, how many days did you…
   a. listen to the radio? |___|
   b. read the newspaper? |___|
   c. watch television? |___|
   d. use a smartphone? |___|
   e. use the internet? |___|
   f.. read a news source on the internet or a smartphone? |___|

5. a. Please name the current Deputy President of Kenya for me. *DO NOT READ: Correct answer is WILLIAM RUTO. "RUTO" is ok. DK:
-99* |____|

b. Who is the Member of the County Assembly for your ward?
If respondent is outside of Siaya County, record response. Write DK if respondent does not know.
_____
If respondent is living in Siaya County: (DO NOT READ): *The correct answer is [MCA name]. (1=Correct, 2=Incorrect, 99=Don't Know)*
|___|

6. Read: I'd like to read you a few statements about public life. I'll read them one at a time. Please tell me how strongly you agree or disagree with each of them. Do you: disagree strongly, disagree a little, agree a little, agree strongly with the following statements? *Note: Use scale. Please read out and explain the scale to the respondent. (1=Disagree strongly, 2=Disagree a little, 3=Agree a little, 4=Agree strongly,* **Do not read:** *5=Neutral, -88=Refuse, -99=DK)*	
a. People like us don't have any say about what the MCA does	|___|
b. MCA's don't care much about what people like us think	|___|
c. Sometimes, ward politics and government seem so complicated that people like us can't really understand what's going on	|___|
d. It takes too much time and effort to be active in politics and public affairs.	|___|
e. I am interested in public affairs.	|___|
f. I would like to be more involved in politics and community issues but I am more worried about issues in my own life	|___|

7. In the last 12 months, have you participated in any of these activities? (1=Yes, 2=No, -99=DK, -88=Refuse)

a. political rallies or meetings with a politician (in support of a particular candidate or position)	|___|
b. demonstrations, mass actions or protests	|___|

c. discussions with friends or family about political issues	|___|
d. Contacted a government official to ask for help or make a complaint	|___|

8. Read: *Now I would like to ask you a few questions about the 2017 election. Remember that participation is entirely voluntary and you may refuse to answer any question. We will keep your responses as confidential as possible.*

8a. Did you vote in the general election in August 2017? Note we are interested in general election, not presidential runoff election in October 2017 (1=Yes, 2=No, -88=Refuse, -99=DK) \|____\|

IF NO: 8b. Why not? \|___\| _____
1= Did not have ID card with me at the time (but does own an ID card);
2= Was not near registered voting location at the time;
3= Was sick;
4= Was afraid;
5= Was not interested in voting;
7=Did not own an ID card;
8=Was not registered;
9= Other (specify)

8c. During the last national election in 2017, did a candidate or someone from a political party offer you or anyone in your household something in exchange for your vote, like food or a gift or money?. (1=Yes, 2=No, -99=DK)   \|____\|
If Yes, CONTINUE. If No, SKIP TO question 9.

8d. When did you receive these offers? Select all that apply
   a) In door-to-door collections   \|___\|
   b) During campaign rallies and gatherings   \|___\|
   c) During aspirant visits to the village/local area   \|___\|
   d) During a meeting with the community to which household member was invited   \|___\|
   e) Other, please specify _____

8e. From how many candidates did you or any household member receive an offer of a gift or cash? \|____\|

LOOP through number of candidates received an offer from {

   8f. What was the total monetary value of the gifts and offers you received from the [1st/2nd] candidate that made an offer?
   \|_____\| KSh
   8g. Did you vote for this candidate? (1=Yes, 2=No, -88=Refuse, -99=DK)   \|___\|

8h. Did the candidate run for the ODM, another party or as an independent in the general election? (1=ODM, 2=Another party, 3=Independent) |___|

} end of LOOP through

9. Read: Now I would like to ask you some more questions about your opinions and feelings.

9a. Which of these three statements is closest to your own opinion? |___|
Read statements aloud. Only one option should be chosen.
   1 = Democracy is preferable to any other kind of government.
   2 = In some circumstances, a non-democratic government can be preferable.
   3 = For someone like me, it doesn't matter what kind of government we have.

Read: For each of the following pairs of statements, tell me which of the following statements is closest to your view about Kenyan politics? Choose Statement A or Statement B.

	Probe: Do you agree very strongly?	
10. A. The use of violence is never justified in politics. B. In our country, it is sometimes necessary to use violence in support of a just cause.	1 = Agree very strongly with A 2 = Agree with A 3 = Agree with B 4 = Agree very strongly with B	|___|
11. A. In our country, it's okay to pay a bribe to a government official to encourage them. B. It's wrong to pay a bribe to any government official.		|___|
12. A. As citizens, we should be more active in questioning the actions of our leaders. B. In our country these days, we should show more respect for authority.		|___|
13. A. It is more important to have a government that can get things done, even if we have no influence over what it does. B. It is more important for citizens to be able to hold government accountable, even if that means it makes decisions more slowly	*DO NOT READ Option 5* 5 = Agree with neither -99 = Don't know	|___|
14. A. It is important to obey the government in power, no matter who you voted for. B. It is not necessary to obey the laws of a government that you did not vote for		|___|
15. A. In electing a local leader, I prefer to vote for a candidate who was generous with gifts to people in my community during their campaign B In electing a local leader, I prefer to vote for a candidate whose campaign promises I like the most		|___|

16. I'd like to get your feelings about the performance of the different levels of government and how well they are doing their job. I'd like you to rate the performance on a scale from 1 to 10. 1 is the worst feeling and 10 is the best. FO: Show the respondent scale #4.

a. The Member of County Assembly in your ward	Worst=1 2 3 4 5 6 7 8 9 10=Best
b. Performance of county government	Worst=1 2 3 4 5 6 7 8 9 10=Best
c. Performance of national government	Worst=1 2 3 4 5 6 7 8 9 10=Best

17. **Read**: I would like to remind you that all answers you give will be kept as confidential as possible and that the information will be used for research purposes only. Ensure the FR's privacy for the following question.

    a. Have you ever been arrested? (1=Yes, 2=No) |____| *If YES, continue. If NO, skip to next section*
    b. Have you ever been imprisoned? (1=Yes, 2=No) |____|

Section 13.4: Gender Attitudes

FO NOTE: Check for presence of others. Do not continue unless privacy is ensured.

Read: Now I would like to ask you questions about some other important aspects of a man and woman's life. I know that these questions are very personal. However, your answers are crucial for helping to understand the conditions of women in Kenya. Let me assure you that your answers will be kept as confidential as possible and will not be told to anyone. When two people live together and have a relationship, they generally share good times and bad times…

Read: Now I would like to get your opinion on some aspects of family life. Please tell me if you agree or disagree with each statement:
Codes: 1=Agree, 2=Disagree, -88=Refuse to answer, -99=Don't Know

1. The important decisions in the family should be made only by the men of the family |____|
2. A wife should tolerate being beaten by her husband in order to keep the family together. |____|
3. A husband has the right to beat his wife |____|
4. If a woman earns more money than her husband it is almost certain to cause problems |____|
5. If a husband and wife both work full-time, they should share housework tasks equally |____|

6. In your opinion, is a husband justified in hitting, beating, insulting or yelling at his wife in the following situations: (1=Yes, 2=No, -88=Refused, -99=DK)
    a. If she goes out without telling him? |____|
    b. If she neglects the children? |____|
    c. If she argues with him? |____|
    d. If she refuses to have sex with him? |____|
    e. If she burns the food? |____|

If FR is married / cohabitation, continue. Else skip to next section.

115 / 132   FO Comments:/

7. Who in your family has a say on the following decisions:
   (1=Respondent, 2=Spouse, 3=Resp and spouse jointly, 4=Someone else, -98=Not applicable)
   a. Whether or not to use a method to avoid having children.　　|＿＿|
   b. Any decisions about childrens' schooling.　　|＿＿|
   c. How children should be disciplined.　　|＿＿|
   d. Whether to have another child.　　|＿＿|
   e. How much of the household's income to save.　　|＿＿|

FO Comments:/

SECTION 14. *Mental Health and Well-being*

Read: I will read out a list of some of the ways you may feel or behave. Please indicate how often you have felt this way during the past **week,** using the following scale:

    1=Rarely or none of the time,
    2=Some or a little of the time,
    3=Occasionally or a moderate amount of time,
    4=All of the time
    Don't read: -88=Refuse to answer

FO NOTE: For the questions in this section, read the questions EXACTLY AS WRITTEN. You may repeat any question as many times as you'd like, but do NOT rephrase any question or add additional comments or explanations. If the FR has trouble understanding the statement, please re-read but do not try to explain the question in a different manner.

CES-D Scale/Codes	1=Rarely or none of the time, 2=Some or a little of the time, 3=Occasionally or a moderate amount of time, 4=All of the time Don't read: -88=Refuse to answer	
1. In the past week, I was bothered by things that usually don't bother me		|___|
2. In the past week, I had a problem in concentration on what I was doing		|___|
3. In the past week, I felt depressed and troubled in my mind		|___|
4. In the past week, I felt that everything that I did took up all my energy		|___|
5. In the past week, I felt hopeful about the future		|___|
6. In the past week, I felt afraid		|___|
7. In the past week, I had difficulty in sleeping peacefully		|___|
8. In the past week, I was happy		|___|
9. In the past week, I felt lonely		|___|
10. In the past week, I lacked the motivation to do anything		|___|

Read: Now I will ask some more questions about your feelings and opinions. Don't read: -88=Refuse to answer

11. Taking all things together, would you say you are "very happy" (1), "quite happy" (2), "not very happy" (3), or "not at all happy" (4)?
    \|___\|

12. All things considered, how satisfied are you with your life as a whole these days on a scale of 1 to 10? (1=very dissatisfied...10=very satisfied)   \|___\|

    FO Comments:/

Perceived Stress Scale
Read: "Next, I would like to ask you about your feelings and thoughts during the last month."
Refer to the following scale for the rest of this section.
1= Never
2 = Almost never
3 = Sometimes
4 = Fairly often
5 = Very often
-88 = Refuse to answer

    13. In the last 30 days, how often have you felt that you were unable to control the important things in your life? |_____|
    14. In the last 30 days, how often have you felt certain in your ability to overcome your own personal problems? |_____|
    15. In the last 30 days, how often have you felt that things were going your way? |_____|
    16. In the last 30 days, how often did you feel that the problems were too much for you to manage? |_____|

        FO Comments:/

SECTION 15.1 Cantril Ladder

FO Note: For the rest of the questions in this section, read the questions EXACTLY AS WRITTEN. You may repeat any question as many times as you'd like, but do NOT rephrase any question or add additional comments or explanations.

Take out the ladder and show to the respondent.

Read: *Please imagine a ladder, with steps numbered from 0 at the bottom to 10 at the top. The top of the ladder represents the best possible life for you and the bottom of the ladder represents the worst possible life for you. On which step of the ladder would you say you personally feel you stand at this time?*

Note: Ask the respondent to POINT to the rung he/she chooses. Record the number of this rung, counting carefully from the bottom rung (number 1). Note that the top rung is number 10.

1. Where would you place yourself on this ladder? |_____| (number from 1 to 10)
DO NOT READ THE FOLLOWING OPTIONS: -99=DK, -88=Refuse, -98=Don't understand

SECTION 15.2 Hedonic Wellbeing Questions from Gallup World Poll

Read: Now, please think about yesterday, from the morning until the end of the day. Think about where you were, what you were doing, who you were with, and how you felt.

1. Did you smile or laugh a lot yesterday? |___| (1=Yes, 2=No, -99=Don't know, -88=Refuse to answer)

2. Did you experience the following feelings during a lot of the day yesterday? (1=Yes, 2=No, -99=Don't know, -88=Refuse to answer)
    A. Enjoyment |___|
    B. Happiness |___|
    C. Worry |___|
    D. Sadness |___|
    E. Stress |___|
    F. Anger |___|

Section 16. Other Sources of Support

READ: We would now like to learn if you or members of your household have recently requested or benefitted from any assistance for your needs. We are interested in support from FOUR sources:

(1) government assistance programs;
(2) from community, church/mosque, or other non-governmental organization assistance programs;
(3) from a current politician, such as the MCA;
(4) from any other prominent local person.

Specifically, we want to learn about instances where <u>you have asked for</u> OR <u>you have received</u> a good or service directly. By assistance program, I mean any program, including things like receiving food, medication, bednets, condoms, fertilizer, chlorine, education or training, agricultural extension services, healthcare, a job, or money for a specific purpose.

FO: Here we want programs in which the FR asked for or received something directly, such as money, food, extension services, or a job. We do not want to include Free Primary Education, or education subsidies that go directly to the school and not to the individual.

		Ask for everyone		*Ask for (A) and (B) If 1 or 2= 1, 2 or 3*	*Ask for (A) and (B) If 3 = 1:*			*Ask for everyone if 2 = 1 or 2*	*Ask for everyone if 2 = 3*
		1. In the past 12 months, have you or members of your household **asked or applied for any assistance**, in cash, in kind, or in form of a job, from any of the following? *Include both successful and*	2. In the past 12 months, have you or members of your household **received any assistance** in cash, in kind, or in form of a job, from any of the following? Include support you received	3. Did you ask or receive assistance from anyone outside your household in making your REQUEST for or OBTAINING any assistance from … ?? *(1 =Yes 2 =No -88 = Refuse to answer -99 = Do not know)*	4. Who did you ask / who provided this help? *(1 =The current MCA 2 =The current MP 3 =The current governor 4 =Other current politician 5 = Any past politician, 6 = a community group*			7. What was the total monetary value of the cash or in-kind assistance you received from … ? *Please estimate if you are unsure. If assistance from more than one program, add monetary*	8. Was this assistance received from ….. in form of a job for self or another household member? *(1=Self, 2=Another household member 3=Both self and household member)*

FO Comments:/

		unsuccessful requests. (1 = in cash 2 = in kind, not including a job 3 = a job 4 = Did not ask/receive this)	without asking for it. (1 = in cash 2 = in kind, not including a job 3 = a job 4 = Did not ask/receive this)		household is part of 7 = Family member outside the household -77 = other local leader(specify))			value to get total.	
(A)	**A government program** Examples include: secondary school bursary programmes, government extension services, orphan and vulnerable children grants, pensions.	|___|	|___|	|___|	|__|/|__|/|__| Other: _____			|___| Currency if NOT Ksh: |___|	|___|

FO Comments:/

(B)	An NGO, church/mosque, CBO or other assistance not from the government? Examples include receiving food, medication, bednets	|___|	|___|	|___|	|___|/|___|/|___| Other: _____			|___| Currency if NOT Ksh: |___|	|___|
					For (C) and (D), if 1 = 1, 2 or 3	*For (C) and (D), if 1 = 1, 2 or 3*	*For (C) and (D), if 2 = 1, 2 or 3*		
					4. Which of the following did you request support from? *Select all that apply, even if the request was unsuccessful*	4a. How many times did you ask for support from ...? *Add up the number of requests if reached out to multiple people*	6. Which of the following did you receive support from? *Select all that apply, even if support was received without requesting*		

FO Comments:/

(C)	the **current MCA or other politician**? Other politicians include MP, governor, senator	|___|	|___|		|___| The current MCA |___| The current MP |___| The current governor |___| Other current politician	|___|	|___| The current MCA |___| The current MP |___| The current governor |___| Other current politician	|___| Currency if NOT Ksh: |___|	|___|
(D)	any **other prominent local person**? Include any aspirants for any public office who campaigned during the 2017 election or is preparing to campaign for the 2022 election, or their agents or intermediaries.	|___|	|___|		|___| A previous politician (such as MCA, MP, Governor) |___| An aspirant in the 2022 election |___| A successful local business man/woman |___| A local religious/spiritual leader |___| A local community leader, such as a Village Elder or group leader |___| Any other prominent local person	|___|	|___| A previous politician (such as MCA, MP, Governor) |___| An aspirant in the 2022 election |___| A successful local business man/woman |___| A local religious/spiritual leader |___| A local community leader, such as a Village Elder or group leader |___| Any other	|___| Currency if NOT Ksh: |___|	|___|

FO Comments:/

						prominent local person		

SECTION 17. Transfers to/from other households

Read: Now, I would like to ask you about relationships your household has with other households, in which your household either receives or gives money or goods. I would like to remind you that all answers you give will be kept as confidential as possible, we're an independent organization and information won't have any effect on other programs.

Transfers Received

Please probe well on this next question. We want ALL transfers, not just gifts.

1. In the past 12 months, did anyone in this household <u>RECEIVE</u> a gift / assistance of money or goods from another household? **Do not include transfers from the government or employers; also do not include loans or interest payments, or goods that the household purchased. If FR is in boarding school count gifts from parents as transfers.** (1=Yes, 2= No) |___|

   If YES, continue. If NO, skip to question 9

For the next set of questions, please group together transfers that come from the <u>same sender</u> (or individuals in the same household) and are meant for the <u>same receiver</u>, in one "transfer relationship." If there are more than 5 transfer relationships, list only the ones that provided the largest amount of money or goods.

1a. In the past 12 months, from how many transfer relationships did your household receive a gift / assistance of money or goods? |___|

Read: Consider the [1st / 2nd / 3rd / ...] relationship in which your household <u>received a gift</u> of money or goods from someone outside the household in the past 12 months. **Fill in the table by proceeding across for question 2 and then down each column.**

	Transfer relation #1	Transfer relation #2	Transfer relation #3	Transfer relation #4	Transfer relation #5
2. Whose household did you receive a gift from? **Use network choice codes.** **If not one of the network choices already captured, continue. Otherwise go to question 4.**	|___|	|___|	|___|	|___|	|___|
3a. What is the full name of the sender? *Note: If unable to give a first name, respondent may provide a common name / nickname.*	_____	_____	_____	_____	_____

3b. Where does [sender name] live? *Use network location choice list. If this village, go to question 3d. If Siaya County, proceed to question 3c. If neither, go to question 3e.*	|___|	|___|	|___|	|___|	|___|
3c. Which village does this [sender name] live in?	|___|	|___|	|___|	|___|	|___|
3d. What is the household ID of [sender name] from our village census?	|___|	|___|	|___|	|___|	|___|

3e. How do you know [sender name]? *Use G4 codes*
3f. What is [sender name]'s gender?
3g. How old is [sender name]? *If don't know, please estimate.* (-99=DK)
3h. Has [sender name] completed primary school? **If NO, go to question 3k**
3i. Has [sender name] completed secondary school?? **If NO, go to question 3k**
3j. Has [sender name] completed college/university?
   3k. Does [sender name] own:
   |___| a mobile phone?
   |___| a television?
   |___| a radio?
	|__|	|__|	|__|	|__|	|__|

4. Was it money or goods that your household received?
   (1=Money,2=Goods,3=Both)
If MONEY, ask questions 4a – 4b. If GOODS, ask questions 4c – 4d. If BOTH, ask questions 4a – 4d. Do not include transport or Mpesa fees.
   4a. What was the amount of the most recent cash transfer? (-99=DK)
   4b. How were the funds transferred? *Use T2 codes*
   4c. What was the value of most recent transfer of goods?
   4d. What goods were given to you? *List.*
   4e. *List currency of responses if not Ksh. Use G12 codes.*
	|__|
	
	a. KSh:__
	b. |__| ___
	c. KSh:__
	d. _____
	e. |__|
	Other:____
		|__|
		
		a. KSh:__
		b. |__| ___
		c. KSh:__
		d. _____
		e. |__|
		Other:_
			|__|
			
			a. KSh:__
			b. |__| ___
			c. KSh:__
			d. _____
			e. |__|
			Other:_
				|__|
				
				a. KSh:__
				b. |__| ___
				c. KSh:__
				d. _____
				e. |__|
				Other:_
					|__|
					
					a. KSh:__
					b. |__| ___
					c. KSh:__
					d. _____
					e. |__|
					Other:_

5. What was the main use of the most recent transfer of money or goods? *List all that apply, up to 3 selections. Use T1 codes.*	|__|__|__| _____	|__|__|__| _____	|__|__|__| _____	|__|__|__| _____	|__|__|__| _____
6a. What was the total value of all transfers in this relationship during the last 12 months? (If goods were sent, think how much it would cost to buy them.) *Do not include transport or Mpesa fees.*	a.Ksh |___| b.|___| Other: ___	a.Ksh |___| b.|___| Other: ___	a.Ksh |___| b.|___| Other: ___	a.Ksh |___| b.|___| Other: ___	a.Ksh |___| b.|___| Other: ___

      FO Comments:/

6b. *List currency if not Ksh. Use G12 codes.*					
7. To your knowledge, have you or anyone in your household <u>ever</u> given this person a transfer in the past? (1=Yes, 2=No) *Only use -99=DK if FR feels they would not be aware of any transfers made. If they would be aware but haven't heard of any transfers, that's a NO.*	|___|	|___|	|___|	|___|	|___|

If ANOTHER TRANSFER was entered, return to question 3 and fill in the next column. If NOT, continue.

8. BESIDES THOSE ALREADY MENTIONED, did anyone in this household <u>receive any OTHER gift / assistance</u> of money or goods from someone outside the household in the last 12 months? *Do not include transfers from the government or employers; also do not include loans or interest payments, or goods that the household purchased. If FR is in boarding school count gifts from parents as transfers.* \|___\| Yes / No

   (if Yes) 8a. What was the total value of ALL OTHER other gifts / assistance members of your household received in the last 12 months, COMBINED?
   \|_____\| KSh

Transfers Sent

FO: Please probe well on this question. We want ALL transfers, not just gifts.

9. Did anyone in this household <u>give or send</u> money or goods to someone outside the household in the last 12 months?
   (1=Yes, 2=No) \|___\| *If YES, continue to question 10. If NO, skip to question 17.*

For the next set of questions, please group together transfers that come from the <u>same sender</u> and are meant for the <u>same receiver</u> (or individuals in the same household), in one "transfer relationship." If there are more than 5 transfer relationships, list only the ones that provided the largest amount of money or goods.

Read: Consider the [1st / 2nd / 3rd / ...] relationship in which your household <u>sent a gift</u> of money or goods to someone outside the household in the past 12 months. *Fill in the table by proceeding across for Question 11 and then down each column.*

	Transfer relation #1	Transfer relation #2	Transfer relation #3	Transfer relation #4	Transfer relation #5
10. Whose household did you send a gift to? *Use network choice codes. Also use codes from the sending households just captured above! If not one of the network choices already captured, continue. Otherwise go to question 13.*	|___|	|___|	|___|	|___|	|___|

11a. What is the first name of the receiver? *Note: If unable to give a first name, respondent may provide a common name / nickname.*	_____	_____	_____	_____	_____
11b. Does [receiver name] live in this village? *If yes, SKIP to question 11e. If no, continue*	|___|	|___|	|___|	|___|	|___|
11c. Where does [receiver name] live? *Use network location choice list. If Siaya County, proceed to question 11d. If not, go to question 11f.*	|___|	|___|	|___|	|___|	|___|
11d. Which village does this [receiver name] live in?	|___|	|___|	|___|	|___|	|___|
11e. What is the household ID of [receiver name] from our village census?	|___|	|___|	|___|	|___|	|___|

11g. How do you know [sender name]? *Use G4 codes*
11h. What is [sender name]'s gender?
11i. How old is[sender name]? *If don't know, please estimate.* (-99=DK)
11j. Has [sender name] completed primary school? **If NO, go to question 11m**
11k. Has [sender name] completed secondary school?? **If NO, go to question 11m**
11l. Has [sender name] completed college/university?
11m. **Show on one screen:** Does [sender name] own:
    |___| a mobile phone?
    |___| a television?
    |___| a radio?
	|___|	|___|	|___|	|___|	|___|

12. Was it money or goods that your household sent?
    (1=Money, 2=Goods, 3=Both)
    If MONEY, ask questions 11a – 11b. If GOODS, ask questions 11c –11d. If BOTH, ask questions 11a – 11d.
    Do not include here transport or Mpesa fees.
    11a. What was the amount of the most recent <u>cash</u> transfer? (88=N/A)
	|___|
	
	a. KSh:__
	b. |__| ___
	c. KSh:__
	d. _____
		|___|
		
		a. KSh:__
		b. |__| ___
		c. KSh:__
		d. _____
			|___|
			
			a. KSh:__
			b. |__| ___
			c. KSh:__
			d. _____
				|___|
				
				a. KSh:__
				b. |__| ___
				c. KSh:__
				d. _____
					|___|
					
					a. KSh:__
					b. |__| ___
					c. KSh:__
					d. _____

FO Comments:/

11b. What was the value of most recent transfer of <u>goods</u>? 11c. What were the goods that you sent? ***List all.*** 11d. ***List currency if not Ksh. Use G10 codes.***	e. |___| Other:_	e. |___| Other:_	e. |___| Other:_	e. |___| Other:_	e. |___| Other:_
14a. What was the <u>total value</u> of all transfers in this relationship during the last 12 months? (if goods were sent, think how much it would cost to buy them). ***Do not include here transport or MPESA fees.*** 14b. ***List currency if not Ksh. Use G12 codes.***	a.Ksh |___| b.|___| Other: ___	a.Ksh |___| b.|___| Other: ___	a.Ksh |___| b.|___| Other: ___	a.Ksh |___| b.|___| Other: ___	a.Ksh |___| b.|___| Other: ___
15. Have you ever received a transfer from this person in the past? (1=Yes, 2=No)	|___|	|___|	|___|	|___|	|___|

If ANOTHER TRANSFER was entered, return to question 12 and fill in the next column. If NOT, continue.

16. BESIDES THOSE ALREADY MENTIONED, did anyone in this household <u>give or send</u> money or goods to someone outside the household in the last 12 months?? ***Do not include loans or interest payments, or goods that other households purchased from this household.*** \|___\| Yes / No

(if Yes) 16a. What was the total value of ALL OTHER other gifts / assistance members of your household <u>sent</u> in the last 12 months, COMBINED?
\|_____\| KSh

17. In the last 7 days, have you shared a meal with another household? *Note: by shared a meal, we mean you prepared food for another person or household.* (1=Yes, 2=No, -99=DK)   \|____\|
If YES, continue. If NO, skip to question 18.

17a. How many meals have you shared with another household? (-99=DK) \|____\|
17b. Whom did you share these meals with? *Select all that apply. Use network choice list.* \|__\| / \|__\| / \|__\|

18. In the last 7 days, has another household shared a meal with anyone in your household? *In other words, has another household prepared a meal for you?*   (1=Yes, 2=No, -99=DK)   \|____\|
If YES, continue. If NO, skip to next section.

18a. How many meals have other households shared with your household? (-99=DK) \|___\|
18b. Who shared these meals with you? *Select all that apply. Use network choice list.* \|___\| / \|___\| / \|___\|

Section 18: Private Behavior Module

Only proceed if FO gender = female and FR gender = female and FR is married/cohabitating.

FO: Check for the presence of others. Do not continue unless the respondent's privacy is ensured.

Read: Now if you will permit me, I need to ask some more questions about your relationship with your husband/partner. I know that these questions are very personal. However, your answers are crucial for helping to understand the conditions of women in Kenya.

I would like to remind you that all answers you give will be kept as confidential as possible and will not be told to anyone. If we should come to any question that you do not want to answer, just let me know and we will go on to the next question.

1. In the last 6 months, have any of your partners ever insulted you, made you feel bad about yourself, or said or done something to humiliate you in front of others?
        (1=Never, 2=Sometimes, 3=Often, -88=Refuse) |____|

2. In the last 6 months, have any of your partners ever threatened to harm you or someone else close to you?
        (1=Never, 2=Sometimes, 3=Often, -88=Refuse) |____|

3. During the last six months, did your husband/partner ever hit, slapped, kicked, or physically hurt you?
        (1=Never, 2=Sometimes, 3=Often, -88=Refuse) |____|

4. During the last six months, did your husband/partner ever physically force you to have sexual intercourse with him even when you did not want to? (1=Yes, 2=No, -88=Refuse) |____|

5. During the last six months, did your husband/partner ever force you to perform any sexual acts you did not want to? (1=Never, 2=Sometimes, 3=Often, -88=Refuse) |____|

6. During the last six months, did your husband/partner ever beat any of the children under the age of 12 living in this household? (1=Never, 2=Sometimes, 3=Often, -88=Refuse) |____|

SECTION 19. Conclusion

Read: Thank you for your time.

FO: Be sure to fill in the remaining information. Do not read the questions allowed. Simply record your own impressions.

A. Did the respondent terminate the survey early? (1=Yes, 2=No) |___|
If YES, continue. If NO, skip to question 1.

B. Why did the respondent terminate the survey early? |___| _____
      1 = Temporary stop only – Wishes to continue survey at a later time. **See "Temporary Stop Instructions" below.**
      2 = Tired
      3 = Too busy, does not have time
      4 = Offended at question
      5 = Suspicious of FO / survey intent / REMIT
      6 = Does not feel like continuing survey
      7 = Other (specify)

Temporary Stop Instructions: You have indicated that the FR wishes to continue the survey in the future. Please ask the FR when they are next available, and then call your team lead (or other senior team member) to confirm this day and time. If you are unable to confirm this day and time, make a tentative appointment with the FR. Then, let the FR know that you will contact them to confirm when you will return. Record this information and the current time on the tracking sheet now.

1. Time end interview: (24 hr clock) |__|__| : |__|__|

2. In what language was the survey administered? *Select all that apply.* (1=English, 2=Kiswahili, 3=Luo) |____|

2a. How was the respondent's skill in speaking and understanding the survey language? |___|
      (1 = Displayed *no problems* speaking or understanding language
      2 = Displayed *a little difficulty* speaking or understanding language
      3 = Displayed *moderate* difficulty speaking or understanding language
      4 = Displayed *serious* problems speaking or understanding language)

3. Were any people present during all or part of this interview (other than the respondent and REMIT staff)? (1 = Yes, 2 = No) |___|

     3a. **If YES:** What is their relationship to the respondent? **Use G4 codes, list up to 4.** |__||__||__||__| Other:_____

---

4. Are you very confident, somewhat confident, or not very confident in the overall quality and truthfulness of this respondent's responses? (1=Very confident, 2=Somewhat confident, 3=Not confident) |___|

      4a. *If SOMEWHAT or NOT CONFIDENT:* Why? _____

_____

5. What was the condition of the road in the last 5 km before reaching the house? |___|
(1 - Excellent or good condition and easy to traverse; 2 - Poor or very poor condition, that is, difficult to traverse due to potholes, waterlogging or other issues; 3 - Impassable at any point e.g., due to a collapsed bridge, fallen tree, flooding, etc.)

    6. Is this interview being performed at the respondent's current residence, place of work, or school? (1=Yes, 2=No)
    |___| *If YES, continue. If NO, skip to question 7.*

FO Comments:/

6a. Are you taking GPS coordinates within SurveyCTO or from another application?
|___| SurveyCTO
|___| Other Application
|___| Cannot collect GPS coordinates   **If this option, skip to question 7**

6b. **(if SurveyCTO):** Please record a GPS reading now. Ensure that you are at the doorstep to the house or business for best accuracy. Please try to obtain an accuracy of 8 meters.

6c. **(if other application):** Ensure that you are at the doorstep to the house or business for best accuracy. Please try to obtain an accuracy of 8 meters. Enter ALL DIGITS provided by your application. DO NOT ROUND.
(i) Latitude: |_____|
(ii) Longitude: |_____|
(iii) Elevation: |_____|
(iv) Accuracy: |_____|

6d. From where is the GPS being recorded? (1=In/ in front of main residence, 2=In / in front of another structure the household owns other than the main residence, 3=In the middle of the household/family's compound, 4=at place of work, 5=on farmland household owns, 6=outside the gate to the homestead, 7=other (specify) |_____|

7. (if cannot collect GPS): Why are you unable to record GPS information for this household?
|___| Interview conducted via phone
|___| Interview conducted at a different location
|___| Technical issues with GPS device
|___| Other: _____

FO Comments:/