

# MELA RESEARCH

## **Real-Time Mortality Monitoring (RMM) Survey in Ethiopia: *Sampling and Baseline Results***

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**Additional information about this study may be obtained from:**

**Mela Research PLC**

**P.O. Box 34422**

**Addis Ababa, Ethiopia**

**Telephone: +251-11-8688765**

**E-mail: [melainfo@melaresearch.com](mailto:melainfo@melaresearch.com)**

**Internet: <http://www.melaresearch.com>.**

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## **I. BACKGROUND AND OBJECTIVE**

The Institute for International Programs at Johns Hopkins Bloomberg School of Public Health (IIP-JHU) is conducting an independent evaluation of the ICCM in the Oromia region of Ethiopia. The overall objective of the evaluation is measure the impact of ICCM on mortality among children under-five, relative to the routine approach implemented by the government of Ethiopia. The evaluation is jointly funded by CIDA and UNICEF and focuses in Jimma and West Hararge zones of the Oromia region. In addition, CIDA requested the evaluation includes a “real-time” mortality monitoring (RMM) component aimed to address the lack of timely mortality data by developing, implementing and assessing approaches or methodologies for measuring and monitoring changes in under-five mortality on annual periods.

IIP-JHU plans to test two innovative methods based on summary birth history information from women age 15-49 years. This information will be collected through rapid household surveys. The two methods are (1) an inter-survey method based on repeated annual summary birth history; and (2) an imputed full birth history method.

As part of the evaluation, a baseline coverage survey was conducted in January – February 2011, with support from UNICEF - Ethiopia. The baseline mortality information for testing of both methods is being collected through a supplemental sample to the household coverage survey in Jimma and West Hararghe zones of Oromia region. The supplemental survey is supported by CIDA through IIP.

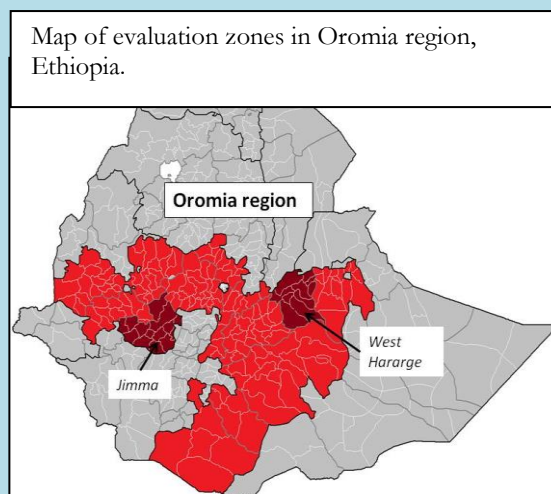
## II. METHDOLOGY

### 2.1. Study area

In agreement with the Ethiopia Federal Ministry of Health and the Oromia Regional Health Bureau, two zones in the Oromia region are selected for the ICCM evaluation. In these two zones, the evaluation will focus on rural areas where the ICCM will be implemented through rural HEWs.

These zones were chosen because of their relatively large size, low levels of disease outbreak and food insecurity, strong implementation partners, and possibility for phase-in of the ICCM implementation.

The Oromia Regional Health Bureau (ORHB) has committed to at least an 18-month phase-in between the identified intervention and comparison areas in these two zones. Intervention *Woredas* will implement HEP+ICCM while the comparison *Woredas* will continue to offer services included in the routine HEP. For the purpose of this survey, the intervention areas are called "Phase 1 area" while the comparison, "Phase 2 area". Implementation of the program in the two evaluation zones has already started, following completion of the baseline coverage survey. The intervention and comparison *Woredas* have been randomly selected through an adapted, restricted randomization process, balanced by the presence of malaria, food security and geographic location (See Annex 1 for the list of survey *Woredas*). Urban areas were excluded since the urban HEP is a recent addition and implemented differently.



### 2.2. Study participants/respondents

Participants in this survey included heads of households and all women 15-49 years residing in the sampled households. .

The heads of households in the randomly selected households were interviewed and asked for a listing of all household residents including the age, gender and relationship to the head, among others. Additional questions on household assets and access to water and sanitation and malaria prevention were asked. Women of childbearing age (15-49 years) residing in the selected households were also asked to report the number of live births they have experienced in their lifetime and how many of those children are still alive. The interviews also determine socio-economic status, including education, literacy, religion and ethnicity of the women.

### 2.3. Sample design and sample size:

The RMM survey employed a two-stage cluster sample design stratified by *woreda*. The clusters were represented by census enumeration areas (EAs). The target sample size was 7800 households in 31 *Woredas*, 10-11 EAs per *Woreda*, giving a total of 250-270 households per *woreda* (See Annex 2 for details about the survey EAs).

The sampling frame of EAs were obtained from the Central Statistical Agency (CSA) of Ethiopia. Since 2007 there were changes of *Woredas* and Kebeles such as merging and split of Kebeles and *Woredas* and creation of new ones in some localities of both zones. We updated the *woreda* names and Kebeles in close consultation with the zonal health offices. The current list of Kebeles in each *Woreda* was then updated by the CSA for selection. In each Kebele the EAs were used as sampling frame.

At the first sampling stage, a predetermined number of EAs were randomly drawn with probability proportionate to size (PPS) within each woreda. This was done by the CSA and neither Mela nor JHU had access to the sampling frame. For each of the selected EAs MAPS were obtained from the CSA.

#### **2.4. Segmentation of EAs**

One of the challenges of the ICCM baseline survey was the time and resources it took to delineate the EAs and perform household listing within the EAs. Most EAs have large land size and difficult topographies that make delineation and household listing a time and resource demanding venture.

In order to conduct the RMM survey in a cost-effective manner without compromising its statistical validity, we introduced an EA delineation procedure so that survey teams could do the delineation and listing in a sub-EA with reasonably shorter time.

The EA maps we obtained from the CSA contain detail information about the villages that are clustered within an EA, including a number of important landmarks such as river, roads, churches, mosques, etc. The EAs were roughly sub-divided into 2-4 small villages (sub-EAs) based on the maps. This rough sub-division didn't take account of the population size of the sub-EAs since this information was not readily available in the map. Nevertheless, as much as possible, attempts were made to subdivide the EAs into approximately equal size, as the map provide some pictorial information on the density of the sub-EAs. Identifiable boundaries such as roads, rivers streams, etc, were used to divide the EAs into sub-EAs. On the map of each EA, survey coordinators draw the boundaries of the sub-EAs.

EA segmentation into sub-EAs was done by survey coordinators and one sub-EA was selected randomly (using lottery method) by the survey coordinators. This information was given to survey supervisors for implementation.

When the data collection teams arrived in an EA, they first identified the boundaries of the selected sub-EA area unit and segmented the sub-EA , and then proceed with household listing and interviewing.

At the second stage of sampling, a predetermined number of households (25 households) were selected through systematic random sampling within each selected EA.

#### **2.4. Survey instruments:**

**Questionnaire:** Structured and pre-coded questionnaire was used. The questionnaire covers a range of topics including household and respondents characteristics, women's characteristics, children ever born and surviving, etc. Language experts translated the questionnaires into *Oromifa*, the local language spoken in the evaluation zones. There was validation of the translation by a panel of 2-3 language experts. In order to maintain comparability of the Oromifa questionnaire with other surveys including the DHS, the response categories of the Oromifa questionnaire were translated to Amharic (official language of Ethiopia), as implemented in the Ethiopia DHS. The questionnaire was pre-tested and administered in *Oromifa*. The English survey questionnaire is annexed (Annex 3).

#### **2.5. Questionnaire pre-testing**

The Oromifa questionnaire was pre-tested in Jimma and West Hararghe zones in a sample of rural households and respondents as part of the ICCM baseline coverage survey. Survey supervisors and trainers including JHU experts participated in the pre-testing. In general, the questionnaire was found applicable and easy to administer although few issues were identified and revised accordingly.

## 2.6. Training of survey teams

There was no separate training for the RMM survey. It was handled as part of the ICCM baseline coverage survey training. A good part of the training was dedicated to the mortality module.

The 13-day ICCM baseline coverage survey encompassed key topics including background of the ICCM program in Ethiopia, objectives of the ICCM evaluation, basic data collection and interviewing techniques, delineation of EAs and household listing, systematic sampling of households for interview, identification of respondents, child anthropometric measurement, MUAC, Edema diagnosis and basic tips on survey organization and supervision. It was a highly participatory training that was supplemented by mock interview, role play, and field practice by the interviewers and supervisors. The training was facilitated by Mela and JHU-IIP staffs. Field staff (interviewers and supervisors) were trained in both Amharic and Oromifa.

Field practice was the major part of the training. Three field practices were conducted in an Oromia rural district near Addis Ababa. The first one, at the middle of the training, focused on practicing the questionnaire and developing interviewing skills. Two other field practices were conducted at the end of the classroom training that created an opportunity for interviewers, supervisors and the whole field team to practice EA delineation, household listing, systematic selection of households, interviewing respondents, and weighing and measuring of children under 5 years of age.

A half-day orientation was given to survey superiors and coordinators on EA segmentation and selection of sub-EAs before they were deployed to the field.

The field staff was also trained to observe ethical rules during data collection. The JHSPH human subject research ethics field training guide ([www.jhsph.edu/irb](http://www.jhsph.edu/irb)) was used for the training. This training emphasized the importance of obtaining informed consent and the voluntariness of participation in the survey; address the need to conduct the interview in a private setting and to ensure the confidentiality of responses; discuss potentially sensitive issues such as reporting of the death of a child and how to handle them; and emphasize the importance of transparency and honesty with study subjects.

## 2.7. Fieldwork and Data collection

Nine data collection teams were formed. Each team composed of 4 interviewers and 1 supervisor. Five teams were deployed in Jimma; 4 in West Hararghe. Each team has given a 4-wheel vehicle and assignment Woredas. Two coordinators, one for Jimma and one for West Hararghe, were also deployed. All teams were deployed to the field immediately after the training was completed. Fieldwork started on March 7-May 9, 2011. Close supervision and follow up were made by the survey supervisors and coordinators. Mela and JHU-IIP staff members have also made occasional field visits and supervision. Supervision mainly encompassed spot checking, field questionnaire editing and frequent meeting with the survey teams and supervisors.

Although all the data collection teams were provided with vehicles in the field to visit the selected EAs, in most instances interviewers had to travel on foot for 2 or more hours to get to the selected EAs since most EAs are not easily accessible by car. Teams in certain EAs, especially in West Hararghe, experienced difficulty in reaching EAs located in mountainous areas due to absence of proper approachable roads. Despite these challenges, however, the survey can be considered a success.

## **2.8. Data processing and cleaning**

The data-management system is divided into three phases: preparation, primary data processing and secondary data processing. Each of these phases is summarized in the sections below.

### ***Preparation:***

This is the phase of preparing data base template, pre-testing the template and designing a system for editing questionnaires. A double-data entry program that includes logical consistency checks, legal values and skips pattern is developed in Epi-Info 6.04, which was pre-tested before the data entry. Six data entry clerks were recruited to work in three pairs. One day training was given about the data entry template and about the structure of the questionnaire followed by practical session of entering data. Additionally, two office editors were recruited for checking the consistency of questionnaires in each EA, assigning for each household a unique office ID and translating open ended questions responses to facilitate the data entry.

### ***Primary Data Processing***

The goal of primary data processing is to produce clean, edited data files. Primary data processing involves entering all questionnaires, comparison of double-entered questionnaires, verifying hard copies and correcting the data for inconsistency and backing up the edited, or final, data file. The structure checking, the verification of data entry and secondary editing are iterative procedures that are repeated until all problems are resolved or determined to be acceptable.

### ***Secondary Data Processing***

This is the stage of producing analysis data files and to create standard tabulations. Secondary data processing involves the steps of concatenating all EA data files into one data file, recoding and labeling variables, and exporting the data to STATA format.

A 100% data reconciliation of the double entry by each team was done and all inconsistent entries were referred back to the hard copies and correction were made accordingly. The data entry and cleaning was done during the period April 5-June 16, 2011.

## **2.9. Ethical Considerations:**

The study obtained ethical clearance from the Ethiopia Public Health Association (EPHA) and JHU. Participants of the study were given complete information as to the objective of the study and their benefits/risks and only following their consent were they participated in the interview. Data collectors and other survey teams were given orientations on how to maintain the ethical aspect of the study.

All the information and data collected was accumulated, organized, stored, analyzed, and retrieved guaranteeing confidentiality. Information was analyzed as group data and not on individuals. No one outside of the study team has access to any of the information collected.

## 2.10. Result of household and women interview

Table 1. Results of household, and women interviews by evaluation arm, ICCM baseline coverage survey, Jimma and West Hararghe zones, Oromia, December 2010-February 2011

Result of Interview	Evaluation phase		Total
	Phase I Area	Phase II Area	
Sampled households (n)	4000	3800	7800
Interviewed households (n)	3991	3787	7778
Household response rate (%)	99.8	99.6	99.7
Eligible women (n)	4017	3845	7862
Interviewed women (n)	4013	3825	7838
Women's response rate (%)	99.9	99.5	99.7

Table 2. Percent distribution of respondents according to children ever born and died by evaluation arm (weighted)

	Phase 1	Phase 2	Total
N	N=4012	N=3826	N=7838
% women who ever given a live birth	77.0	77.1	77.1
N	N=3084	N=2920	N=6004
% women who reported a child born alive later died (among those who had a live birth)	46.6	46.8	46.7
Missing	0.06	0.0	0.03
N	N=4012	N=3826	N=7838
Total number of children ever born (CEB)			
0	22.95	22.89	22.92
1	7.06	8.16	7.65
2	9.37	8.07	8.67
3	9.89	9.56	9.71
4	10.31	9.39	9.82
5	8.84	9.23	9.05
6	8.82	8.93	8.88
7	7.15	7.17	7.16
8	5.29	5.55	5.43
9	3.96	4.19	4.08
10+	5.46	5.93	5.71
Missing	0.91	0.93	0.92
Mean CEB	3.8	3.9	3.8

Table 3. Number of children ever born, died, surviving by mother's age in phase 1, 2 areas and for the total sample

Phase 1 Area						
Mother's age	Women	CEB	mean CEB	Dead	Surviving	Mean surviving
15-19	670	157	0.2343	16	141	0.2104
20-24	649	1103	1.6995	116	987	1.5208
25-29	758	2617	3.4525	335	2282	3.0106
30-34	616	3073	4.9886	436	2637	4.2808
35-39	518	3180	6.1390	566	2614	5.0463
40-44	383	2551	6.6606	548	2003	5.2298
45-49	334	2428	7.2695	631	1797	5.3802
Total	3928	15109	3.8465	2648		

Missing cases (in age or CEB) excluded



**Phase 2 Area**

Mother's age	Women	CEB	mean CEB	Dead	Surviving	Mean surviving
15-19	683	166	0.2430	17	149	0.2182
20-24	638	1122	1.7586	129	993	1.5564
25-29	757	2668	3.5244	301	2367	3.1268
30-34	546	2764	5.0623	379	2385	4.3681
35-39	485	3083	6.3567	580	2503	5.1608
40-44	323	2328	7.2074	487	1841	5.6997
45-49	319	2399	7.5204	588	1811	5.6771
Total	3751	14530	3.8736	2481		

*Missing cases (in age or CEB) excluded*

**Total sample**

Mother's age	Women	CEB	mean CEB	Dead	Surviving	Mean surviving
15-19	1353	323	0.2387	33	290	0.2143
20-24	1287	2225	1.7288	245	1980	1.5385
25-29	1515	5285	3.4884	636	4649	3.0686
30-34	1162	5837	5.0232	815	5022	4.3219
35-39	1003	6263	6.2443	1146	5117	5.1017
40-44	706	4881	6.9136	1035	3846	5.4476
45-49	653	4828	7.3936	1219	3609	5.5268
Total	7679	29642	3.8601	5129		

*Missing cases (in age or CEB) excluded*

Annex 1. List of survey Woredas by zone and intervention arm

Phase 1 Areas (Woredas)	
Jimma Zone	West Hararghe zone
Chora Botor	Boke
Gera	Chiro
Goma	Doba
Kersa	Gemechis
Limu Kosa	Guba Koricha
Mana	Hawi Gudina
Shebe Senbo	Oda Bultum
Omo Nada	
Setema	
Phase 2 Areas (Woredas)	
Jimma Zone	West Hararghe zone
Dedo	Anchar
Gumay	Burka dimtu
Limu Seka	Daro Labu
Nono Benja	Habro
Seka Chokorsa	Mesela
Sokoru	Mieso
Tiro Afeta	Tulo
Sigamo	

## Annex 2. Survey Zones, Woredas, Kebeles and Enumeration areas (EA) including sample size per EA

zone	Woreda	Kebele	EA-code	#HH per EA
West Hararghe	MIESO	BURI ARIBA	2	25
West Hararghe	MIESO	ANENO	3	25
West Hararghe	MIESO	HARIGETI	4	25
West Hararghe	MIESO	ETESA RORO	6	25
West Hararghe	MIESO	ODO KENENI	7	25
West Hararghe	MIESO	SEBULA	8	25
West Hararghe	MIESO	HARIKONICHA	10	25
West Hararghe	MIESO	FAYO	11	25
West Hararghe	MIESO	BURAYISA TUKA	12	25
West Hararghe	MIESO	BURI MULU	14	25
West Hararghe	DOBA	BIYO JANETA	16	25
West Hararghe	DOBA	EBSA BATE	17	25
West Hararghe	DOBA	BEKELCHA BIFTU	18	25
West Hararghe	DOBA	GEMECHU	20	25
West Hararghe	DOBA	BREA	21	25
West Hararghe	DOBA	BIFTU OROMIA	22	25
West Hararghe	DOBA	LENCHA WEDESA	24	25
West Hararghe	DOBA	LEGE LENCHA	25	25
West Hararghe	DOBA	TERKENFETA	26	25
West Hararghe	DOBA	ODA JALELA	28	25
West Hararghe	TULO	EDO JENETA	30	25
West Hararghe	TULO	HUNDE MIBOMA	31	25
West Hararghe	TULO	REKETA FURA	32	25
West Hararghe	TULO	TOKUMA HAKA	34	25
West Hararghe	TULO	HAKEMULIS	35	25
West Hararghe	TULO	REGASIS	36	25
West Hararghe	TULO	TERKAN FETA	38	25
West Hararghe	TULO	GEMECHIS	39	25
West Hararghe	TULO	CHEFE	40	25
West Hararghe	TULO	HAKAN JERATA	42	25
West Hararghe	MESELA	MEDA JALELA	44	25
West Hararghe	MESELA	ABA SELAMA	45	25
West Hararghe	MESELA	BEHA BIFETU	46	25
West Hararghe	MESELA	ABA CHEBSI	48	25
West Hararghe	MESELA	SELAMA	49	25
West Hararghe	MESELA	SHAM	50	25
West Hararghe	MESELA	JENET	52	25
West Hararghe	MESELA	RAHA	53	25
West Hararghe	MESELA	KEBSO	54	25
West Hararghe	MESELA	GEBES	56	25
West Hararghe	ANCHAR	KAJIMA	58	25
West Hararghe	ANCHAR	BALE	59	25
West Hararghe	ANCHAR	RABSHEDI	60	25
West Hararghe	ANCHAR	DARO	62	25
West Hararghe	ANCHAR	INJECHA	63	25

West Hararghe	ANCHAR	LALO	64	25
West Hararghe	ANCHAR	KULSI	66	25
West Hararghe	ANCHAR	TELILA	67	25
West Hararghe	ANCHAR	DINDIN	68	25
West Hararghe	ANCHAR	INCHINI	70	25
West Hararghe	GUBA QORICHA	GORO LENCHA	72	25
West Hararghe	GUBA QORICHA	ODA ROBA	73	25
West Hararghe	GUBA QORICHA	KILTU HORA	74	25
West Hararghe	GUBA QORICHA	KURKURA EYA	76	25
West Hararghe	GUBA QORICHA	ELTOKE	77	25
West Hararghe	GUBA QORICHA	ODA BULTUM	78	25
West Hararghe	GUBA QORICHA	CHEFE JALELA	80	25
West Hararghe	GUBA QORICHA	ODA GADISA	81	25
West Hararghe	GUBA QORICHA	HARAWA BARESA	82	25
West Hararghe	GUBA QORICHA	GORO WITA	84	25
West Hararghe	HABRO	ODA ANANI	86	25
West Hararghe	HABRO	CHEFA	87	25
West Hararghe	HABRO	KELECHA	88	25
West Hararghe	HABRO	ODA MUDA	90	25
West Hararghe	HABRO	MELIKE BELO	91	25
West Hararghe	HABRO	LEGA BERA	92	25
West Hararghe	HABRO	EFA JIRU	94	25
West Hararghe	HABRO	DIKICHA	95	25
West Hararghe	HABRO	LELISA	96	25
West Hararghe	HABRO	WEYINI KELO	98	25
West Hararghe	DARO LEBU	JILBO	100	25
West Hararghe	DARO LEBU	SORORO	101	25
West Hararghe	DARO LEBU	GUDIS	102	25
West Hararghe	DARO LEBU	HAREBA FANO	104	25
West Hararghe	DARO LEBU	METAGUDESA	105	25
West Hararghe	DARO LEBU	HARO ADI	106	25
West Hararghe	DARO LEBU	DODOTE ROBA	108	25
West Hararghe	DARO LEBU	HAMSISO	109	25
West Hararghe	DARO LEBU	MILKAY	110	25
West Hararghe	DARO LEBU	IJARA	112	25
West Hararghe	DARO LEBU	IJARTI	113	25
West Hararghe	HAWI GUDINA	Edogelma	115	25
West Hararghe	HAWI GUDINA	Halogoba	116	25
West Hararghe	HAWI GUDINA	Bilika	117	25
West Hararghe	HAWI GUDINA	Bilika	119	25
West Hararghe	HAWI GUDINA	Chobi	120	25
West Hararghe	HAWI GUDINA	Chobi	121	25
West Hararghe	HAWI GUDINA	Kebenawa	123	25
West Hararghe	HAWI GUDINA	Wacho	124	25
West Hararghe	HAWI GUDINA	Darogudo	125	25
West Hararghe	HAWI GUDINA	Remeti	127	25
West Hararghe	BOKE	KILTU ELALA	129	25
West Hararghe	BOKE	AWA	130	25

West Hararghe	BOKE	GORO ROBA	131	25
West Hararghe	BOKE	HARO MUDA	133	25
West Hararghe	BOKE	MEYU	134	25
West Hararghe	BOKE	EDU HAROJI	135	25
West Hararghe	BOKE	JILBO	137	25
West Hararghe	BOKE	CHEBI	138	25
West Hararghe	BOKE	RUKESA	139	25
West Hararghe	BOKE	KEYU	141	25
West Hararghe	BURKA DIMITU	Kurfa Roka	142	25
West Hararghe	BURKA DIMITU	Meta Arba	144	25
West Hararghe	BURKA DIMITU	Anuba	145	25
West Hararghe	BURKA DIMITU	Kurfa Gelma	147	25
West Hararghe	BURKA DIMITU	Kurfa Gelma	148	25
West Hararghe	BURKA DIMITU	Tedecha Hina	149	25
West Hararghe	BURKA DIMITU	Tefe	151	25
West Hararghe	BURKA DIMITU	Tefe	152	25
West Hararghe	BURKA DIMITU	Tefe	153	25
West Hararghe	BURKA DIMITU	Burka Oda	155	25
West Hararghe	QUNI	KEREYU	157	25
West Hararghe	QUNI	LEGEFATO	158	25
West Hararghe	QUNI	KOLU	159	25
West Hararghe	QUNI	KARA	161	25
West Hararghe	QUNI	GODEHORA	162	25
West Hararghe	QUNI	KOYE	163	25
West Hararghe	QUNI	SURI	165	25
West Hararghe	QUNI	DIDA DELO	166	25
West Hararghe	QUNI	BURIKA	167	25
West Hararghe	QUNI	BERIBERITI	169	25
West Hararghe	GEMECHIS	GEWOGWO DENGETE	171	25
West Hararghe	GEMECHIS	RUKELE HEREFANO	172	25
West Hararghe	GEMECHIS	WELENSO HEREBAFENO	173	25
West Hararghe	GEMECHIS	WELENSU HEDA DIMA	175	25
West Hararghe	GEMECHIS	RUKELE KUYUBO	176	25
West Hararghe	GEMECHIS	GEWGEW DIBALA	177	25
West Hararghe	GEMECHIS	HOMECHO GOLEBUBA	179	25
West Hararghe	GEMECHIS	HOMECHO DAYO	180	25
West Hararghe	GEMECHIS	GIGIYA	181	25
West Hararghe	GEMECHIS	HOMECHO EBA	183	25
West Hararghe	CHIRO ZURIA	LEGA ARBA	185	25
West Hararghe	CHIRO ZURIA	MEREWANA REBISU	186	25
West Hararghe	CHIRO ZURIA	EJAFARA	187	25
West Hararghe	CHIRO ZURIA	SHEK ADEM	189	25
West Hararghe	CHIRO ZURIA	YABIDO GUJELA	190	25
West Hararghe	CHIRO ZURIA	NEJEBAS	191	25
West Hararghe	CHIRO ZURIA	WEDEYTI	193	25
West Hararghe	CHIRO ZURIA	ELITOKE	194	25
West Hararghe	CHIRO ZURIA	WACHU WOLTANE	195	25
West Hararghe	CHIRO ZURIA	GARA NIGUS NO3	197	25

Jimma	LIMU SEKA	ALELU WERKE	199	25
Jimma	LIMU SEKA	KURNO MENISA	200	25
Jimma	LIMU SEKA	MUJA WERJI	201	25
Jimma	LIMU SEKA	DALE YADERA	203	25
Jimma	LIMU SEKA	MIRIKUZ	204	25
Jimma	LIMU SEKA	SANTO	205	25
Jimma	LIMU SEKA	CHEKA MUKA LEBU	207	25
Jimma	LIMU SEKA	BULUDO ABUKO	208	25
Jimma	LIMU SEKA	MERO CHISA	209	25
Jimma	LIMU SEKA	DERA GEBANO	211	25
Jimma	NONO BENJA	Amedo	213	25
Jimma	NONO BENJA	Benja	214	25
Jimma	NONO BENJA	Bolo Borema	215	25
Jimma	NONO BENJA	Ill Fata	217	25
Jimma	NONO BENJA	Ilu	218	25
Jimma	NONO BENJA	Chewa	219	25
Jimma	NONO BENJA	Mato Delame	221	25
Jimma	NONO BENJA	Sedu	223	25
Jimma	NONO BENJA	Sedu	222	25
Jimma	NONO BENJA	Wau Borele	225	25
Jimma	LIMU KOSA	GU DOBEKERE	227	25
Jimma	LIMU KOSA	WABEKOTICHA	228	25
Jimma	LIMU KOSA	HEREWAGATIRA	229	25
Jimma	LIMU KOSA	CHAKAWO	231	25
Jimma	LIMU KOSA	DEMBIGEBENA	232	25
Jimma	LIMU KOSA	KEMSE BABIYA	233	25
Jimma	LIMU KOSA	FERDYO SERTE	235	25
Jimma	LIMU KOSA	DONGAJASOLE	236	25
Jimma	LIMU KOSA	KELAGEBISA	237	25
Jimma	LIMU KOSA	GUMER BUNA TEKIL	239	25
Jimma	SOKORU	TIRO KUMBI	241	25
Jimma	SOKORU	HARO KAKE	242	25
Jimma	SOKORU	DOBI	243	25
Jimma	SOKORU	SHIRO DIKE	245	25
Jimma	SOKORU	GEBJARO	246	25
Jimma	SOKORU	KALTA	247	25
Jimma	SOKORU	GENGELETA	249	25
Jimma	SOKORU	CHEKA	250	25
Jimma	SOKORU	ENKURE	251	25
Jimma	SOKORU	MERERA	253	25
Jimma	SOKORU	ADAMA	254	25
Jimma	TIRO AFETA	KTNBILE	256	25
Jimma	TIRO AFETA	CHORAANCHEBI	257	25
Jimma	TIRO AFETA	AELGESIDAMO	258	25
Jimma	TIRO AFETA	BUSA	260	25
Jimma	TIRO AFETA	BDARU	261	25
Jimma	TIRO AFETA	MEDALE	262	25
Jimma	TIRO AFETA	KEJELO	264	25

Jimma	TIRO AFETA	DECHANEDI	265	25
Jimma	TIRO AFETA	TIYO	266	25
Jimma	TIRO AFETA	AYNO	268	25
Jimma	KERSA	MERA KEBERICHO	270	25
Jimma	KERSA	SENIKULE	271	25
Jimma	KERSA	KUSAYE BERU	272	25
Jimma	KERSA	TIKUR ABULO	274	25
Jimma	KERSA	KARAGORA	275	25
Jimma	KERSA	KOMBOLCHA	276	25
Jimma	KERSA	GUNJI	278	25
Jimma	KERSA	KELECHA	279	25
Jimma	KERSA	KITIMIBILE	280	25
Jimma	KERSA	SIBA	282	25
Jimma	MANA	ETISA GUDE	284	25
Jimma	MANA	KENTERI	285	25
Jimma	MANA	BEBELA KOSA	286	25
Jimma	MANA	KORE LELISA	288	25
Jimma	MANA	KELA GUDA	289	25
Jimma	MANA	SEMBO MANA	290	25
Jimma	MANA	METI	292	25
Jimma	MANA	SOMODO	293	25
Jimma	MANA	GUDETA BULA	294	25
Jimma	MANA	DOYO BIKILA	296	25
Jimma	GOMMA	LIMUSAPA	298	25
Jimma	GOMMA	ACHEAFETA	299	25
Jimma	GOMMA	GABENEABO	300	25
Jimma	GOMMA	KOYUSEJE	302	25
Jimma	GOMMA	CHECHELEMI	303	25
Jimma	GOMMA	OMO GOBU	304	25
Jimma	GOMMA	GENJIDELECHO	306	25
Jimma	GOMMA	GENJI ILBU	307	25
Jimma	GOMMA	JIMTE DERU	308	25
Jimma	GOMMA	BERSOMA	310	25
Jimma	GERA	KOMBOLCHA	312	25
Jimma	GERA	TINIBACHALE	313	25
Jimma	GERA	MUJE	314	25
Jimma	GERA	DUSETA	316	25
Jimma	GERA	GINA CHOLA	317	25
Jimma	GERA	SECHA	318	25
Jimma	GERA	SED LOYA	320	25
Jimma	GERA	KOLA SULAJA	321	25
Jimma	GERA	BORICHO DEKA	322	25
Jimma	GERA	KOLA KINIBIBIT	324	25
Jimma	SEKA CHEKORSA	BEKE GUDO	326	25
Jimma	SEKA CHEKORSA	GESHE LUCHINE	327	25
Jimma	SEKA CHEKORSA	TEBO WATCHO	328	25
Jimma	SEKA CHEKORSA	BORE	330	25
Jimma	SEKA CHEKORSA	USHANE KOCHE	331	25

Jimma	SEKA CHEKORSA	WEKITO MEDALU	332	25
Jimma	SEKA CHEKORSA	MECHA USHANE	334	25
Jimma	SEKA CHEKORSA	BOBA ROGE	335	25
Jimma	SEKA CHEKORSA	BIDARU TULI	336	25
Jimma	SEKA CHEKORSA	GUDO DAKA	338	25
Jimma	DEDO	ARIGIBO	340	25
Jimma	DEDO	BUSA ESE ALEN	341	25
Jimma	DEDO	BILO	342	25
Jimma	DEDO	GESHE	344	25
Jimma	DEDO	DERAR KORMA	345	25
Jimma	DEDO	KORA SOMIBO	346	25
Jimma	DEDO	TOLI ERER	348	25
Jimma	DEDO	ODO GURATI	349	25
Jimma	DEDO	MARI ASAME	350	25
Jimma	DEDO	ASIKIRA	352	25
Jimma	OMONADA	WAKTOLA	354	25
Jimma	OMONADA	CHOLE BEYEM	355	25
Jimma	OMONADA	JATO ABE	356	25
Jimma	OMONADA	BISO GOMBO	358	25
Jimma	OMONADA	CHEFE NEGA	359	25
Jimma	OMONADA	NADA DAWE	360	25
Jimma	OMONADA	CHUCHA SAREDO	362	25
Jimma	OMONADA	DAKANO ELIKE	363	25
Jimma	OMONADA	OMO DURI	364	25
Jimma	OMONADA	SOMBO BADALA	366	25
Jimma	SIGMO	ALIYA	368	25
Jimma	SIGMO	ATER KEDA	369	25
Jimma	SIGMO	SERITI	370	25
Jimma	SIGMO	KANICHU	372	25
Jimma	SIGMO	DAPERA	373	25
Jimma	SIGMO	TORA	374	25
Jimma	SIGMO	YADESO	376	25
Jimma	SIGMO	SUBA KELA	377	25
Jimma	SIGMO	CHOLADU	378	25
Jimma	SIGMO	GEJO	380	25
Jimma	SETEMA	DEMU KUFU	382	25
Jimma	SETEMA	SATA GONO	383	25
Jimma	SETEMA	DONE	384	25
Jimma	SETEMA	CHEFETA YERA	386	25
Jimma	SETEMA	SEDU	387	25
Jimma	SETEMA	SUSATELA	388	25
Jimma	SETEMA	SATA	390	25
Jimma	SETEMA	DORADOCHA	391	25
Jimma	SETEMA	KUMBO TOBO	392	25
Jimma	SETEMA	SHENI CHEMERE	394	25
Jimma	SHEBE SENBO	LEKU MIGIRA	396	25
Jimma	SHEBE SENBO	HALO GODANTE	397	25
Jimma	SHEBE SENBO	DOMA GOMECHO	398	25



Jimma	SHEBE SENBO	ATERO GEFERE	400	25
Jimma	SHEBE SENBO	SEBEKA DEBYE	401	25
Jimma	SHEBE SENBO	SHEBE MOFA	402	25
Jimma	SHEBE SENBO	GASERA KEKERO	404	25
Jimma	SHEBE SENBO	KISHE	405	25
Jimma	SHEBE SENBO	SEBUKA WALA	406	25
Jimma	SHEBE SENBO	YANGA DOGOMA	408	25
Jimma	CHORA BOTER	ALELUMAESO	410	25
Jimma	CHORA BOTER	YATU PHAE	411	25
Jimma	CHORA BOTER	LEGEBOTER	412	25
Jimma	CHORA BOTER	CHENDO ADERO	414	25
Jimma	CHORA BOTER	KARA TELKO	415	25
Jimma	CHORA BOTER	BEGE	416	25
Jimma	CHORA BOTER	SABI WEREBO	418	25
Jimma	CHORA BOTER	JEMA GENJI	419	25
Jimma	CHORA BOTER	AOCHE TUMA	420	25
Jimma	CHORA BOTER	BOTER BETCHO	422	25
Jimma	GUMA	NEGO AGEYO	424	25
Jimma	GUMA	KUDA KUFU	425	25
Jimma	GUMA	LIMA TAO	426	25
Jimma	GUMA	BORE GUDA	428	25
Jimma	GUMA	EFO YACHI	429	25
Jimma	GUMA	KUDAKUNACHO	430	25
Jimma	GUMA	CHANIDO	432	25
Jimma	GUMA	GATOKURE	433	25
Jimma	GUMA	BERARIGO	434	25
Jimma	GUMA	BERWERENIGO	436	25

Annex 3: Questionnaire

**Ethiopia Rapid Mortality Measurement (RMM) Survey Questionnaire**

**Mela Research & IIP-JHU**

**HOUSEHOLD QUESTIONNAIRE**

*Read informed consent and obtain agreement  
Then fill out one Household Questionnaire per household*

**HOUSEHOLD QUESTIONNAIRE PANEL (HH)**

<b>This questionnaire is to be administered to the head of the household if available or another adult in the household if the head is not available.</b>			
<b>HH1.</b>	Zone name _____ Zone code ____ ____		
<b>HH2.</b>	Woreda name _____ Woreda code ____ ____		
<b>HH3.</b>	Kebele name _____ Kebele code ____ ____		
<b>HH4.</b>	CSA Enumeration area (EA) code _____ EA code ____ ____		
<b>HH5.</b>	Name of household head _____ Household code ____ ____		
<b>Visit 1</b>	<b>Visit 2</b>	<b>Final Visit</b>	
<b>Date:</b> ____/____/____	<b>Date:</b> ____/____/____	<b>Date:</b> ____/____/____	
Interviewer name: _____	Interviewer name: _____	Interviewer name: _____	
Interviewer no.: ____	Interviewer no.: ____	Interviewer no.: ____	
Result: ____	Result: ____	Result: ____	
<b>Next visit</b>	<b>Next visit</b>	Total number of visits:	
<b>Date:</b> ____/____/____	<b>Date:</b> ____/____/____	_____	
<b>Time:</b> _____	<b>Time:</b> _____		
<b>Result codes</b> 1 = Completed 2 = No HH member at home or no mentally competent HH member at home 3 = HH totally absent for an extended period 4 = Deferred 5 = Refused 6 = Dwelling empty or no dwelling at address 7 = Dwelling destroyed 8 = Dwelling could not be found 9 = Other (specify) : _____			

**Complete this section after the household questionnaire has been completed**

<b>HH6.</b>	Respondent for household questionnaire	Name of HH head: _____ Line no (acc. to household listing): _____
<b>HH7.</b>	Language of interview: _____	
<b>HH8.</b>	Native language of respondent: _____	
<b>HH9.</b>	Was a translator used? Yes ..... 1 No ..... 2	

<b>HH10.</b>	No. of women eligible (ages 15-49) for women's questionnaire	_____
<b>HH11.</b>	No. of children under age 5	_____

**Complete this section after all questionnaires have been completed**

<b>HH12.</b>	No. of women's questionnaires completed	_____
<b>HH13.</b>	No. of under-5 questionnaires completed	_____

<b>Data collector</b> Name _____ Code _____ Date ___ / ___ / ___	<b>Supervisor</b> Name _____ Code _____ Date ___ / ___ / ___	<b>Coordinator (quality check)</b> Name _____ Code _____ Date ___ / ___ / ___	<b>Data entry clerk :</b> Name _____ Code _____ Date ___ / ___ / ___
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**HOUSEHOLD LISTING FORM**

First, please tell me the name of each person who usually lives here, starting with the head of the household.

**List the head of the household in line 01. List all household members (HL2), their relationship to the household head (HL3), and their sex (HL4).**

**Then ask:** Are there any others who live here, even if they are not at home now? (These may include persons in school or at work). *If yes, complete listing.*

**Then ask questions starting with HL5 for each person at a time. Add a continuation sheet if there are more than 15 household members. Tick here if continuation sheet used**

HL1. Line no.	HL2. NAME	HL3. What is the relationship of (NAME) to the head of the household?  Codes listed below table	HL4. Is (NAME) male or female?  1 Male 2 Female		HL5. Does (NAME) usually live here?  Yes/No		HL6. Did (NAME) stay here last night?  Yes/No		HL7. How old is (name)?  Probe: How old was (NAME) on his/her last birthday? Record in completed years. If less than 1 year old, enter '00'. If less than 5 years, go to HL10	HL9 Circle Line no.  if woman is age 15 to 49 years, then go to next line
Line	Name	Rel.	M	F	Y	N	Y	N	Age	
01		0 1	1	2	1	2	1	2	__ __	
02		__ __	1	2	1	2	1	2	__ __	
03		__ __	1	2	1	2	1	2	__ __	
04		__ __	1	2	1	2	1	2	__ __	
05		__ __	1	2	1	2	1	2	__ __	
06		__ __	1	2	1	2	1	2	__ __	
07		__ __	1	2	1	2	1	2	__ __	
08		__ __	1	2	1	2	1	2	__ __	
09		__ __	1	2	1	2	1	2	__ __	
10		__ __	1	2	1	2	1	2	__ __	
11		__ __	1	2	1	2	1	2	__ __	
12		__ __	1	2	1	2	1	2	__ __	

13		___ ___	1	2	1	2	1	2	___ ___	
14		___ ___	1	2	1	2	1	2	___ ___	
15		___ ___	1	2	1	2	1	2	___ ___	

Women 15-49 yrs

Totals

<p>Just to make sure that I have a complete listing, are there any other persons such as small children or infants that we have not listed?          Yes <input type="checkbox"/> → Add to table          No <input type="checkbox"/></p> <p>Are there any other people who may not be members of your family, such as domestic servants, lodgers, or friends who usually live here?          Yes <input type="checkbox"/> → Add to table          No <input type="checkbox"/></p> <p>Are there any guests or temporary visitors staying here, or anyone else who stayed here last night, who have not been listed?          Yes <input type="checkbox"/> → Add to table          No <input type="checkbox"/></p>	<p style="text-align: right;">* Codes for HL3: Relationship to head of household:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">01 = Head</td> <td style="width: 33%;">11 = Adopted child</td> </tr> <tr> <td>02 = Wife or Husband</td> <td>12 = Foster child</td> </tr> <tr> <td>03 = Son or Daughter</td> <td>13 = Stepchild</td> </tr> <tr> <td>04 = Son or Daughter In-Law</td> <td>14 = Brother- or Sister-In-Law</td> </tr> <tr> <td>05 = Grandchild</td> <td>15 = Aunt or Uncle</td> </tr> <tr> <td>06 = Parent</td> <td>16 = Niece/Nephew By Blood</td> </tr> <tr> <td>07 = Parent-In-Law</td> <td>17 = Niece/Nephew By Marriage</td> </tr> <tr> <td>08 = Brother or Sister</td> <td>18 = Not Related</td> </tr> <tr> <td>09 = Co-spouse</td> <td>98 = Don't Know</td> </tr> <tr> <td>10 = Other relative</td> <td></td> </tr> </table>	01 = Head	11 = Adopted child	02 = Wife or Husband	12 = Foster child	03 = Son or Daughter	13 = Stepchild	04 = Son or Daughter In-Law	14 = Brother- or Sister-In-Law	05 = Grandchild	15 = Aunt or Uncle	06 = Parent	16 = Niece/Nephew By Blood	07 = Parent-In-Law	17 = Niece/Nephew By Marriage	08 = Brother or Sister	18 = Not Related	09 = Co-spouse	98 = Don't Know	10 = Other relative	
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08 = Brother or Sister	18 = Not Related																				
09 = Co-spouse	98 = Don't Know																				
10 = Other relative																					

*Now for each woman age 15-49 years (HL9), write her name and line number and other identifying information in the information panel of the Women's Questionnaire.*

*For each child under age 5 (HL10-11), write his/her name and line number AND the line number of his/her mother/caretaker in the information panel of the Under 5 Questionnaire*

*You should now have a separate questionnaire for each eligible woman and each child under age 5 in the household*

## WOMEN'S QUESTIONNAIRE

WOMEN'S QUESTIONNAIRE PANEL		WM	
<b>This questionnaire is to be administered to all women age 15 through 49 (see column HL9 of HH listing).                      Fill in one form for each eligible woman.</b>			
WM1. EA number: _____	WM2. Household number: _____		
WM3. Woman's Name: _____	WM4. Woman's Line Number: _____		
WM5. Check HL7 and record woman's age: _____			
<b>If the woman is 15-17 years old and unmarried, you must read the consent script to the woman's mother or father and the assent script to the woman, and obtain the consent of the parent and assent of the woman before proceeding.</b>			
<b>If the woman is married, or is unmarried but older than 17 years, you must read her the woman's consent script and obtain the woman's consent before proceeding.</b>			
<b>Visit 1</b>	<b>Visit 2</b>	<b>Final Visit</b>	
<b>Date:</b> ___/___/___ Interviewer name: _____ Interviewer no.: ___ Result: ___	<b>Date:</b> ___/___/___ Interviewer name: _____ Interviewer no.: ___ Result: ___	<b>Date:</b> ___/___/___ Interviewer name: _____ Interviewer no.: ___ Result: ___	
<b>Next visit</b> <b>Date:</b> ___/___/___ <b>Time:</b> _____	<b>Next visit</b> <b>Date:</b> ___/___/___ <b>Time:</b> _____	Total number of visits: _____	
Result codes 1 = Completed 2 = Not at home 3 = Absent for an extended period 4 = Deferred 5 = Refused 6 = Not mentally competent 7 = Partially completed 9 = Other (specify) : _____			
WM6. Language of interview: _____		WM7. Native language of respondent: _____	
WM8. Was a translator used?		Yes ..... 1 No ..... 2	
<b>Data collector</b> Name _____ Number _____ Date ___/___/___	<b>Supervisor</b> Name _____ Number _____ Date ___/___/___	<b>Coordinator</b> _____	<b>Data entry clerk:</b> _____

## WOMEN'S INFORMATION MODULE (WI)

WI1.	In what month and what year were you born?  <b>Ethiopian calendar: Meskerem=1, Pagumen=13</b>	Month..... __ __ Don't know month ..... 98 Year ..... __ __ __ __ Don't know year ..... 9998	
WI2.	How old were you at your last birthday?  <b><u>Check consistency of WI1, WI2 and HL7. Probe and correct if inconsistent. Refer to the Age Consistency Sheet for instructions.</u></b>	Completed years..... __ __	
WI3.	Have you ever attended school?	Yes..... 1 No ..... 2 →	→WI5
WI4.	What is the highest grade you completed?	Class/year ..... __ __  Technical/Vocational/Certificate ..... 13 University or higher ..... 14	
<b>For the interviewer: Check WI4: Completed Grade 07 or above or Technical/Vocational/Certificate →WI6 Completed Grade 00 - 06 →WI5</b>			
WI5.	Now I would like you to read this sentence to me. Read as much as you can.  <b>Show sentences to respondent. If respondent cannot read whole sentence, probe: Can you read part of the sentence to me?</b>	Cannot read at all ..... 1 Able to read only parts of sentence ..... 2 Able to read whole sentence ..... 3 No sentence in required language _____ 4 <i>(specify language)</i> Blind or visually impaired ..... 5	
WI6.	What is your religion?	Orthodox ..... 1 Catholic ..... 2 Protestant ..... 3 Muslim..... 4 Traditional/animist..... 5 Other (specify) _____ 6	
WI7.	What is your ethnicity?	Oromo..... 1 Other, <i>specify</i> _____ 6	
WI8.	<b>Check HL8 in the household listing. Is the respondent currently married or living in a consensual union?</b> Yes..... 1→WI10 No.....2→WI9		
WI9.	Have you ever been married or lived together with a man as if	Yes.....1 No.....2→	→WI13

	married?																										
WI10.	Have you been married or lived with a man only once or more than once?	Once.....1 More than once.....2→	→WI12																								
WI11.	In what month and year did you start living with your husband/partner?	Month..... __ __ Don't know month.....98  Year..... __ __ __ __ Don't know year.....9998	Go to WI13																								
WI12.	Now I would like to ask about when you started living with your first husband/partner. In what month and year was that?	Month..... __ __ Don't know month.....98  Year..... __ __ __ __ Don't know year.....9998																									
WI13.	When do you wash your hands with soap?  <b>Do not read the responses. Record all responses</b>	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 80%;"></th> <th style="width: 10%; text-align: center;">Mentioned</th> <th style="width: 10%; text-align: center;">Not mentioned</th> </tr> </thead> <tbody> <tr> <td>Before food preparation .....</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> </tr> <tr> <td>Before eating .....</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> </tr> <tr> <td>Before feeding children .....</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> </tr> <tr> <td>After defecation.....</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> </tr> <tr> <td>After attending to a child who has defecated .....</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> </tr> <tr> <td>Others (<i>specify</i>) .....</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> </tr> <tr> <td>Never .....</td> <td style="text-align: center;">6</td> <td style="text-align: center;">→</td> </tr> </tbody> </table>		Mentioned	Not mentioned	Before food preparation .....	1	2	Before eating .....	1	2	Before feeding children .....	1	2	After defecation.....	1	2	After attending to a child who has defecated .....	1	2	Others ( <i>specify</i> ) .....	1	2	Never .....	6	→	CM1
	Mentioned	Not mentioned																									
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Before eating .....	1	2																									
Before feeding children .....	1	2																									
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After attending to a child who has defecated .....	1	2																									
Others ( <i>specify</i> ) .....	1	2																									
Never .....	6	→																									
WI14.	Please show me the place where you most often wash your hands.	Seen..... 1  No fixed place ..... 2  Not seen Not in dwelling/yard/plot..... 3 →  Not seen Permission not granted..... 4 →  Not seen, other reason ..... 5 →	→ CM1  → CM1  → CM1																								
WI15.	<b>Observation only</b>  <b>Observe and record the presence of water.</b>	Water available ..... 1 Water not available ..... 2																									
WI16.	<b>Observation only</b>  <b>Observe and record the presence of soap for handwashing.</b>	Soap or detergent (pieces, liquid, powder, or paste)... 1 Ash, mud, sand..... 2 None ..... 3																									



## CHILD MORTALITY MODULE (CM)

<b>This module is to be administered to all women age 15-49. All questions refer only to LIVE births.</b>			
CM1.	<p>Now I would like to ask about all the births you have had during your life. Have you ever given birth?</p> <p><b>If “No” probe by asking:</b> I mean, to a child who ever breathed or cried or showed other signs of life – even if he or she lived only a few minutes or hours?</p>	Yes..... No.....	<b>→FINISH WOMEN’S QUESTIONNAIRE</b>
CM2.	<p>In what month and what year was your first birth?</p> <p>I mean the very first time you gave birth, even if the child is no longer living, or whose father is not your current partner.</p> <p><b>Ethiopian calendar: Meskerem=1, Pagumen=13</b></p> <p><b>Skip to CM4 if year of first birth is given. If year of first birth is UNKNOWN (9998), continue with CM3.</b></p>	Date of first birth Month ..... Don't know month .....  Year ..... Don't know year .....	<b>→CM4</b>
CM3.	<p>How many years ago did you have your first birth?</p>	Completed years since first birth .....	
CM4.	<p>Do you have any sons or daughters to whom you have given birth who are now living with you?</p>	Yes..... No.....	<b>→CM6</b>
CM5.	<p>How many sons live with you?</p> <p>How many daughters live with you?</p> <p><b>If none, record ‘00’</b></p>	Sons at home .....  Daughters at home .....	
CM6.	<p>Do you have any sons or daughters to whom you have given birth who are alive but do not live with you?</p>	Yes..... No.....	<b>→CM8</b>
CM7.	<p>How many sons are alive but do not live with you?</p> <p>How many daughters are alive but do not live with you?</p> <p><b>If none, record ‘00’</b></p>	Sons elsewhere .....  Daughters elsewhere .....	

CM8.	Have you ever given birth to a boy or girl who was born alive but later died?	Yes ..... No.....	→CM10
CM9.	How many boys have died?  How many girls have died?  <b>If none, record '00'</b>	Boys dead .....  Girls dead.....	
CM10.	Have you had any other children who were born alive but who died after a few minutes, hours, or days besides the ones you already told me about?  <b>If yes, correct CM8 and CM9 and then go to CM11</b>	Yes ..... No.....	
CM11.	<b>Sum answers to CM5, CM7, and CM9. If none enter '00'</b>	Sum.....	
CM12.	Just to make sure that I have this right, you have had in TOTAL ___ births during your life. Is this correct?  <b>Yes ..... 1→ Finish Women's Questionnaire</b>  <b>No.....2→ Check responses and make corrections before finishing</b>		

**THANK YOU**