

THE NATIONAL ASSESSMENT OF THE HEALTH EXTENSION PROGRAM

FACT SHEET

JUNE 2020



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MINISTRY OF HEALTH - ETHIOPIA

የዜጎች ጤና ለሃገር ብልጽግና!
HEALTHIER CITIZENS FOR PROSPEROUS NATION!



International Institute for
Primary Health Care in Ethiopia

IIFPHC-E



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We envision to be a pragmatic choice for research and scientific inquiries in Ethiopia and beyond. Our focus on rigor, responsiveness and focus on utilization has brought us a long way and has allowed us to establish strong collaborations with multiple local and international academic and research institutions. We have a sister company under the same name in the United States, which makes our international collaboration solid.

info@merqconsultancy.com or visit us at www.merqconsultancy.org or at our office: 8th floor, Tadesse Chekol Building, P.O.Box 54023 Tel.+25111854754, Arada sub city Addis Ababa, Ethiopia for your research, scientific inquiries and training needs.

INTRODUCTION

Since its launching in 2003, the Ethiopian Health Extension Program has been acknowledged as a major contributor to recent gains in health outcomes in the country. In recent years, however, signs of deterioration in the performance of the program have increased concerns among stakeholders. In response, the Ministry of Health (MoH), in collaboration with the Bill and Melinda Gates Foundation, commissioned MERQ Consultancy PLC to conduct a comprehensive national assessment of the HEP. The objective of the assessment was to assess the status, determinants, and prospects of the HEP, and to identify challenges and areas of intervention for program and policy decisions in the Ethiopian health sector.

The National Assessment of the Health Extension Program is a multi-stage cross-sectional survey that covered all the agrarian, pastoralist and urban HEP, conducted from October 2018 to September 2019. All the 9 regional states and the two city administrations were included. The assessment was guided by the Primary Health Care Performance Initiative (PHCPI) framework, which has 5 domains: system, inputs, service delivery, outputs and outcome. Data were collected at all levels of the health system, including the MoH, Regional Health Bureaus (RHBs), Woreda Health Offices (WorHOs), Health Centers (HCs), HPs and communities. The assessment had 3 components: collection and analysis of primary data using mixed methods, a systematic review of peer-reviewed and gray literature on the HEP, and the synthesis and formulation of recommendations.

Primary data was collected from randomly selected 62 woredas from all regions through household survey, HEWs survey, health facility assessment, key informant interviews and focus group discussions (FGDs). The household survey involved women, men and youth girls. A total of 11,746 respondents were interviewed from the sampled 6,430 households. Data was also collected from 618 Women's Development Army (WDA) leaders' households with 1,122 interviewed respondents, 343 HPs, 179 HCs, and 62 WorHOs. Qualitative data were collected through 172 interviews and 109 FGDs. On specific topics primarily nested within HEP assessment, including attrition among HEWs, quality of pre-service HEWs' training institutions, role of the HEP in public health emergency management, cost-effectiveness of HEP interventions, and clinicians' attitudes toward the HEP stand-alone reports are included in HEP report including their detailed methodologies.

Pertinent indicators are presented in numbers in this regional level fact sheet and these important findings can explain the status of the HEP. However, because the samples at regional level are small, this fact sheet is indicative, not conclusive, as it is extrapolated from data collected to provide national estimate. We strongly recommend the use of these findings combined with other regional level evidences (periodic reports and findings from routine monitoring and evaluation). The synthesized explanations of the indicators (described in this fact sheet) are presented in the master report¹.

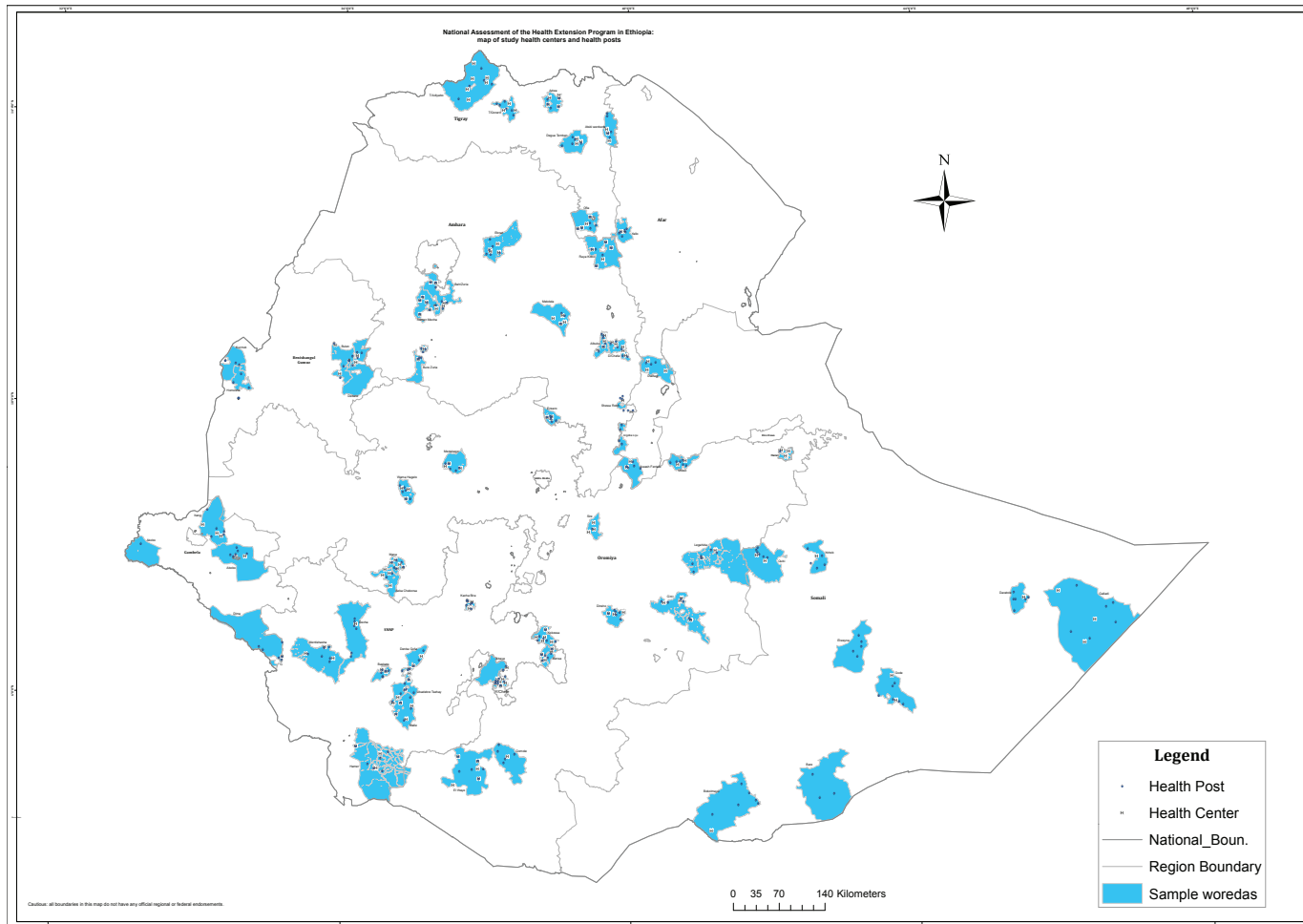
1 Alula M. Teklu, Yibeltal K. Alemayehu, Girmay Medhin, et al (2020). National Assessment of the Ethiopian Health Extension Program: Final Master Report. Addis Ababa, Ethiopia: MERQ Consultancy PLC.

SAMPLING DISTRIBUTION²

	Sampling Information	National	Agrarian	Pastoralist	Tigray	Afar	Amhara	Oromia	SNNP	Somali	Gambela	Benshangul Gumuz	Harari
1	Number of Woredas visited	62	42	20	6	4	10	13	10	8	4	4	3
2	Number of Health Posts (HPs) visited	343	235	108	32	18	60	74	59	43	17	24	16
3	Number of Health Centers (HCs) visited	179	139	40	27	7	39	46	35	10	5	6	4
4	Number of Health Extension Workers (HEWs) interviewed	584	414	170	63	19	95	123	96	75	42	37	34
5	Number of women interviewed	6430	4421	2009	607	399	1060	1319	1009	798	417	406	415
6	Number of men interviewed	4416	3157	1259	407	275	603	1139	759	376	157	340	360
7	Number of youth girls interviewed	900	658	242	117	61	169	162	150	97	36	50	58

² The sampling information presented in this factsheet is not including the samples from the Woman Development Army leaders.

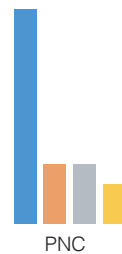
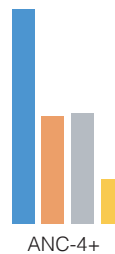
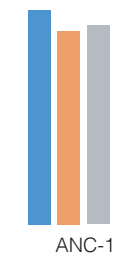
STUDY AREAS OF THE HEALTH EXTENSION PROGRAM ASSESSMENT



MATERNAL HEALTH INDICATORS AS COMPARED TO 2020 HSTP TARGET



Unmet need for FP

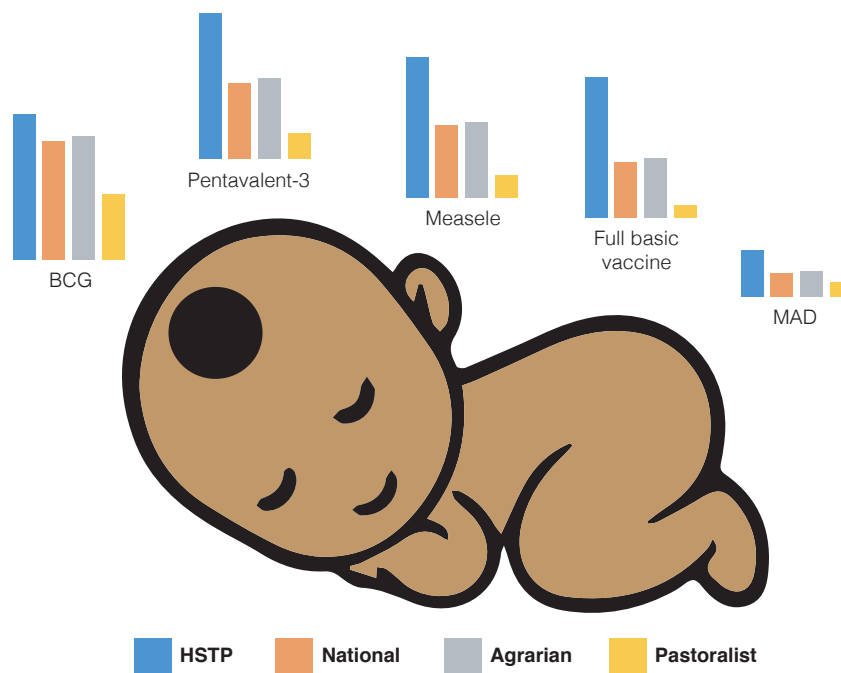


■ HSTP
 ■ National
 ■ Agrarian
 ■ Pastoralist

Reproductive Health		HSTP 2020 Target	HEP ASSESSEMENT FINDING (2019)		
			National	Agrarian	Pastoralist
Unmet need for modern contraceptive methods among all women	Unmet need for FP	10.0	22.5	22.2	29.1
Contraceptive prevalence rate (CPR) among all women	CPR	55.0	44.6	45.9	13.8
Pregnant women in the reproductive age (15-49) who had at least one ANC for their recent pregnancy in the last 5 years	ANC-1	95	85.7	87.4	48.9
Pregnant women in the reproductive age (15-49) who had at least four ANC (ANC4+) for their recent pregnancy in the last 5 years	ANC-4+	95	48.3	49.6	20.3
Pregnant mothers who delivered in health facility for their recent pregnancy in the last 5 years	Facility delivery	90	54.9	56.1	29.2
Women with a postnatal check during the first 2 days after birth	PNC	95	25.9	25.9	17.7

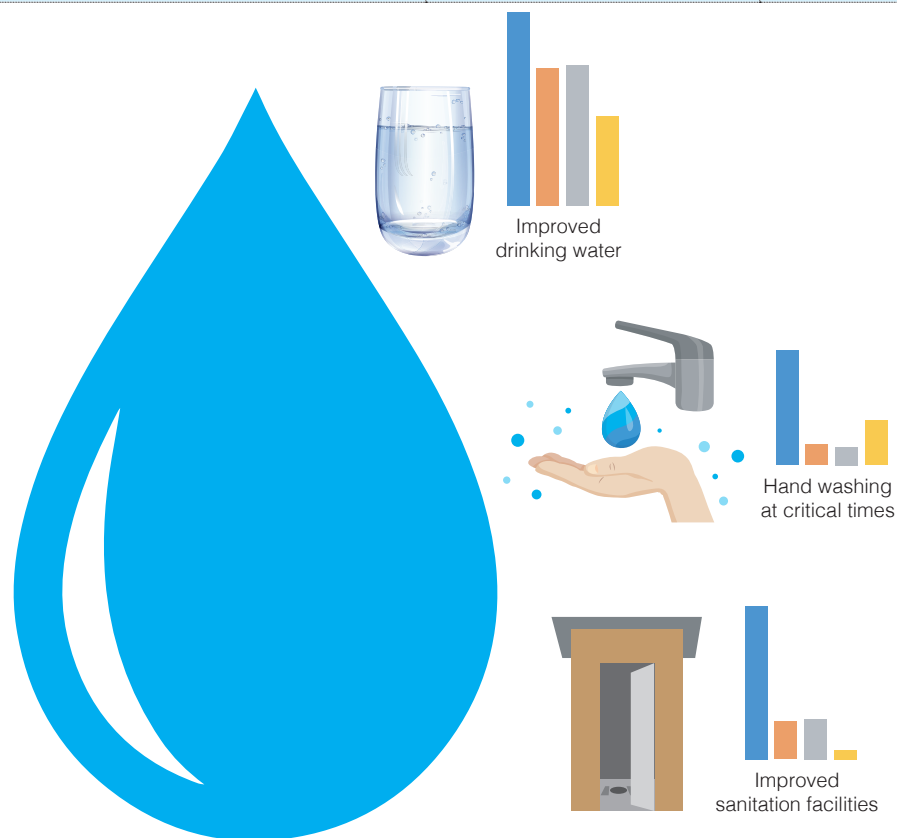
CHILD HEALTH INDICATORS AS COMPARED TO 2020 HSTP TARGET

Child Health		HSTP 2020 Target	HEP ASSESSEMENT FINDING (2019)		
			National	Agrarian	Pastoralist
Children age 12-23 who received BCG vaccine	BCG	98	79.3	81.7	43.0
Children age 12-23 who received at least 3 doses of Pentavalent vaccine	Pentavalent-3	98	50.4	52.6	15.8
Children age 12-23 who received measles vaccine	Measele	95	47.8	50.3	10.7
Full basic vaccination coverage	Full basic vaccine	95	35.7	37.6	8.2
Children age 6 - 23 who got appropriate minimum acceptable diet	MAD	30	14.4	14.6	8.2
Mothers who initiated complementary feeding at the appropriate time	Complementary feeding	50	66.6	66.4	70.4



WATER SUPPLY AND SANITATION INDICATORS AS COMPARED TO 2020 HSTP TARGET

Water supply and Sanitation		HSTP 2020 Target	HEP ASSESSEMENT FINDING (2019)		
			National	Agrarian	Pastoralist
Households with access to improved drinking water sources	Improved drinking water	100	71.4	72.6	46.1
Women washing their hands at critical times of handwashing	Hand washing at critical times	60	11.6	11.1	23.1
Households with improved sanitation facilities	Improved sanitation facilities	82	20	20.7	5.2



■ HSTP
 ■ National
 ■ Agrarian
 ■ Pastoralist



HEALTH POST STATUS



HUMAN RESOURCE AT HP		National	Agrarian	Pastoralist	REGION								
					Tigray	Afar	Amhara	Oromia	SNNP	Somali	Gambela	Benishangul Gumuz	Harari
1	Percent of HPs that meet the minimum standard of at least 2 HEWs per HP	86.7	86.5	88.5	90.0	100.0	88.7	84.5	87.8	85.7	94.9	92.5	100.0
2	Percent of HPs with at least one level IV HEWs	62.4	65.3	33.5	80.9	20.7	69.0	64.9	58.0	33.0	66.5	52.3	58.7
3	Percent of HPs with at least one CoC certified HEWs	83.5	85.8	60.5	100.0	29.7	73.2	93.1	87.1	41.6	87.2	35.2	69.1
4	Percent of HPs having at least one Midwife/Nurse	4.0	3.5	8.9	6.4	91.0	2.6	1.8	2.1	4.2	74.5	46.4	13.5
5	Percent of HPs with the standard catchment population size (less than 5000)	42.1	36.8	93.3	36.9	82.5	25.0	33.4	53.9	100.0	91.6	95.4	58.7
6	Percent of HEWs with intention to leave the job within 2 years	21.3	22.8	6.1	14.1	23.7	42.2	18.4	14.7	4.7	0.0	5.8	19.3
7	Percent of HEWs who had left their jobs (overall attrition in the last 15 years) ¹	21.1	18.7	32.0	16.3	36.1	25.3	15.0	18.6		20.0		6.1

HP's INFRASTRUCTURE		National	Agrarian	Pastoralist	REGION								
					Tigray	Afar	Amhara	Oromia	SNNP	Somali	Gambela	Benishangul Gumuz	Harari
8	Percent of HPs that had regular electricity (any source) with no interruption for more than 2 hours in the last 7 days prior to the survey	17.7	17.3	21.1	37.5	22.3	22.1	13.0	16.8	20.3	28.3	46.1	64.3
9	Percent of HPs with improved water source (piped, a tube well or borehole, a protected dug well, or protected spring, and the outlet from this source is within 500 m of the facility)	27.1	25.0	47.7	18.6	38.6	28.1	21.4	27.4	59.7	61.5	56.9	18.3
10	Percentage of HPs with road connecting to HC: All-weather road	58.5	58.1	62.2	41.9	41.2	70.1	60.1	47.4	65.0	47.2	52.3	91.3
11	Means of transportation to do outreach service (%): any transport facility (public transport, motorbike, bicycle, etc)	11.2	11.1	11.8	3.0	32.9	5.5	12.3	13.8	15.8	37.6	0.0	13.5
12	Percent of HPs having at least 3 or more rooms	81.0	81.9	71.6	68.9	100.0	69.0	87.5	84.7	64.7	71.8	82.2	68.3
13	Percent of HPs having a delivery room	41.3	41.5	39.5	51.8	25.3	51.5	31.9	43.2	60.2	30.7	56.9	0.0
14	Percentage of HPs having: a roof covered with iron sheet	94.9	97.9	65.9	100.0	100.0	100.0	99.8	94.6	42.0	40.1	86.3	100.0
15	Percent of HPs with sanitation facilities (functioning flush or pour-flush toilet, ventilated improved pit latrine, pit latrine with slab, or composting toilet)	87.4	89.3	69.2	93.1	97.2	85.4	86.8	93.9	66.4	94.9	82.2	100.0
16	Percent of health posts having: Incinerator	12.3	11.4	21.9	46.4	50.8	9.1	10.3	13	11.4	35.5	14.8	0.0
17	Percent of health posts having: Placenta pit	7.4	8	2.0	39.9	10.3	8.5	0.1	15.7	1.5	18.8	12.6	0.0
18	Percent of health posts having: Open pit for solid waste disposal	73.8	77.7	35.8	80.2	34	68.1	73.7	88.1	30.7	49.7	86.8	85.7
19	Percent of HPs having basic amenities (electricity, improved water source, communication equipment, and consultation room)	1.2	1.3	0	9.5	0	0	0	3.4	0	0	2.3	0

AVAILABILITY OF BASIC MEDICAL EQUIPMENT IN HPs		National	Agrarian	Pastoralist	REGION								
					Tigray	Afar	Amhara	Oromia	SNNP	Somali	Gambela	Bensshangul Gumuz	Harari
20	Percentage of HPs having Stethoscope	52.4	53.5	42.2	60.8	83.2	55.7	50.8	54.6	46.6	61.6	61.0	67.5
21	Percentage of HPs having BP apparatus	35.9	36.5	30.0	52.2	89.9	37.5	35.6	32.5	30.5	20.4	46.6	59.5
22	Percentage of HPs having Thermometer	72.7	74.3	57.0	91.5	78.9	88.9	61.9	78.0	54.5	53.9	89.7	63.5
23	Percentage of HPs having Examination table	44.8	46.7	26.7	73.1	78.9	39.4	45.1	42.2	22.7	26.0	40.6	85.7
24	Percentage of HPs having Cold box	43.1	43.9	35.2	62.4	42.8	39.8	39.0	36.2	40.0	55.0	40.8	45.2
25	Percentage of HPs having Refrigerator	38.5	37.3	50.9	65.2	68.3	30.5	37.4	50.1	52.4	69.3	45.0	82.5
26	Percentage of HPs having Vaccine carrier	86.8	88.7	68.1	80.2	66.9	91.6	89.4	81.0	59.6	62.2	76.0	100.0
27	Percent of HPs with basic equipment (Stethoscope, BP apparatus, Thermometer, Examination table, Cold box, Refrigerator, & Vaccine carrier)	5.4	6.6	2.2	15.8	7.4	5.2	6.4	2.2	0.0	0.0	9.8	13.5

AVAILABILITY OF ESSENTIAL TRACER DRUGS IN THE HP AT THE TIME OF VISIT		National	Agrarian	Pastoralist	REGION								
					Tigray	Afar	Amhara	Oromia	SNNP	Somali	Gambela	Bensshangul Gumuz	Harari
28	Availability of Oral Rehydration Salt (ORS)	86.5	88.4	67.8	100.0	72.9	98.9	86.9	78.9	60.6	85.9	90.9	90.5
29	Availability of Zinc acetate 20mg dispensible tablet	83.7	85.7	64.3	96.7	63.0	96.0	84.3	78.3	48.6	64.6	92.0	81.0
30	Availability of Amoxicillin suspension/DT	38.9	37.4	52.6	56.8	45.7	39.2	33.0	38.0	72.8	49.5	49.3	58.7
31	Availability of Paracetamol 500mg tablet	37.1	36.3	45.3	83.0	35.6	29.7	39.0	30.4	54.5	52.8	36.1	73.0
32	Availability of Paracetamol syrup/suppository	15.1	13.0	36.1	36.4	30.8	12.7	13.4	7.5	59.1	14.1	19.4	40.5
33	Percent of HPs with tracer drugs (ORS, Zinc acetate 20mg, Amoxicillin, Paracetamol 500mg and Paracetamol syrup)	8.7	8.0	10.6	19.3	14.5	2.2	6.0	4.7	24.6	4.7	13.7	13.5

M&E STRUCTURE, FUNCTIONS AND CAPABILITIES OF CHIS		National	Agrarian	Pastoralist	REGION								
					Tigray	Afar	Amhara	Oromia	SNNP	Somali	Gambela	Bensshangul Gumuz	Harari
34	Percent of HPs implementing CHIS (Family Folder) ²	75.5			93.3		69.9	77.3	75.1				100
35	Percent of HPs Compile kebele info profile ²	70.2			96.7		79.9	73.1	53.0				91.3
36	Percent of HPs involving Community in performance review of HEP activities ²	52.9			87.9		66.6	40.9	56.7				9.5

AVAILABILITY OF GUIDELINES		National	Agrarian	Pastoralist	REGION								
					Tigray	Afar	Amhara	Oromia	SNNP	Somali	Gambela	Bensshangul Gumuz	Harari
38	Percent of HPs with HEP guidelines: Community-based Newborn Care (CBNC)	63.5	65.4	44.9	58.3	11.9	82.3	65.4	49.6	52.2	40.9	54.1	39.7
39	Percent of HPs with HEP guidelines: Expanded Program of Immunization (EPI)	52.8	53.4	47.1	67.6	43.7	62.3	44.5	54.8	66.8	45.9	46.6	77.8
40	Percent of HPs with HEP guidelines: Family Planning (FP)	49.6	50.9	36.9	65.9	10.3	65.4	44.1	42.9	56.4	40.8	53.4	86.5
41	Percent of HPs with HEP guidelines: Antenatal Care (ANC)	33.4	32.9	37.8	33.4	31.3	44.9	39.4	7.5	58.4	35.8	34.5	54.7
42	Percent of HPs with HEP guidelines: Postnatal Care (PNC)	30.1	29.5	35.7	39.6	22.3	44.8	30.7	8.8	59.4	30.6	32.2	54.8



HEP SERVICE DELIVERY

ACCESS TO HEP SERVICES		National	Agrarian	Pastoralist	REGION								
					Tigray	Afar	Amhara	Oromia	SNNP	Somali	Gambela	Bensshangul Gumuz	Harari
43	Exposure to HEP services (% of HHs with at least one member exposed to at least one HEP service modality /HP, home visit, outreach, in the last one year prior to the survey)	61.8	62.7	44.0	74.5	71.2	68.6	53.7	71.0	24.6	70.6	92.9	48.6
44	Percent of HHs ever been visited by HEWs	55.1	56.6	22.3	67.2	31.8	64.9	52.8	49.4	5.5	51.6	90.6	42.9
45	Percent of HHs that were visited by HEWs at least once in the last year prior to the survey	31.2	32.0	14.7	39.5	25.2	41.7	25.4	30.4	4.8	45.3	76.4	25.2
46	Percent of women visited an HP in the last one year prior to the survey	39.4	39.7	34.9	35.3	63.9	41.6	34.0	50.9	20.1	57.3	69.1	29.0
47	Percent of men visited an HP in the last one year prior to the survey	14.5	14.4	16.3	22.6	50.8	16.6	10.5	19.0	13.7	40.4	50.2	13.5
48	Percent of youth girls visited an HP in the last one year prior to the survey	10.0	9.9	12.1	11.7	37.1	14.9	3.5	13.5	7.8	44.7	25.8	17.9

IMPLEMENTATION OF HEP		National	Agrarian	Pastoralist	REGION								
					Tigray	Afar	Amhara	Oromia	SNNP	Somali	Gambela	Bensshangul Gumuz	Harari
49	Percent of women who had at least one interaction with HEWs in any of the 3 modalities (either home visit, health post or outreach) in the last one year prior to the survey	54.8	55.5	40.3	63.0	67.1	61.5	47.2	63.6	21.4	68.2	90.7	42.6
50	Mean score of WDA/SMC HHs that adopted HEP-targeted behavior (less stringent criteria) ³	60.6	61.5	41.9	63.3	33.1	70.9	58.9	59.0	39.4		68.8	57.9
51	Mean score of HHs with non-WDA/non-SMC women that adopted HEP-targeted behavior (less stringent criteria) ³	50.8	51.3	38.4	53.7	39.0	57.7	49.9	44.1	39.2	42.0	60.7	46.0
52	Percent of WDA/SMC HHs that had been enrolled and graduated from model family training (MFT)	26.1	26.5	18.4	18.5	6.5	38.0	25.5	24.2	0.0		14.8	33.0
53	Percent of non-WDA/SMC HHs that had been enrolled and graduated from MFT	1.9	1.9	1.5	3.4	0.4	1.9	1.8	1.8	0.9	2.6	4.1	3.3



FAMILY HEALTH SERVICE PACKAGE

MATERNAL HEALTH SERVICE

FAMILY PLANNING PACKAGE		National	Agrarian	Pastoralist	REGION								
					Tigray	Afar	Amhara	Oromia	SNNP	Somali	Gambela	Bensshangul Gumuz	Harari
54	Unmet need for modern contraceptive methods among all women	22.5	22.2	29.1	27.5	9.7	17.7	27.3	15.9	34.5	32.2	18.7	23.9
55	Contraceptive prevalence rate (CPR) among all women	44.6	45.9	13.8	36.1	9.4	51.8	38.5	55.3	0.0	19.6	48.9	34.6
56	Percentage of women who received contraceptives from HEWs/HP	56.7	56.5	67.7	40.4	49.3	51.6	54.9	66.7	0.0	43.9	54.6	17.2

ANTENATAL CARE		National	Agrarian	Pastoralist	REGION								
					Tigray	Afar	Amhara	Oromia	SNNP	Somali	Gambela	Bensshangul Gumuz	Harari
57	Percentage of pregnant women in the reproductive age (15-49) who had at least one ANC visit for their recent pregnancy in the last 5 years	85.7	87.4	48.9	94.4	68.1	87.0	88.1	83.8	9.9	52.8	84.9	68.5
58	Percentage of pregnant women in the reproductive age (15-49) who had at least four ANC visit (ANC4+) for their recent pregnancy in the last 5 years	48.3	49.6	20.3	72.1	20.8	57.1	46.3	43.0	1.2	30.1	53.4	25.5
59	Percentage of women who attended their ANC-I at Health posts	49.1	48.6	68.6	28.5	55.2	26.0	50.5	74.3	90.1	40.5	52.9	31.4
60	Percentage of women who attended their ANC-IV at Health posts	32.2	31.8	56.2	9.5	32.4	9.9	38.8	54.2	94.4	36.0	21.5	20.5

DELIVERY SERVICE		National	Agrarian	Pastoralist	REGION								
					Tigray	Afar	Amhara	Oromia	SNNP	Somali	Gambela	Bensshangul Gumuz	Harari
61	Percentage of pregnant mothers who delivered in health facility for their recent pregnancy in the last 5 years	54.9	56.1	29.2	80.2	21.3	70.6	47.4	56.4	7.3	38.7	53.7	43.5
62	Percentage of pregnant mothers who delivered in health post for their recent pregnancy in the last 5 years	4.0	4.1	1.9	3.8	4.6	1.8	5.4	2.3	0.1	2.8	9.0	0.1

POSTNATAL CARE		National	Agrarian	Pastoralist	REGION								
					Tigray	Afar	Amhara	Oromia	SNNP	Somali	Gambela	Bensshangul Gumuz	Harari
63	Percentage of women with a postnatal check during the first 2 days after birth	25.9	25.9	17.7	41.5	12.3	41.0	15.2	45.6	0.4	60.1	48.9	16.1
64	Percentage of women who received PNC from HEWs for their recent delivery in the last 2 years	43.2	43.1	46.1	73.6	7.2	36.2	40.8	39.9	50.0	39.5	89.9	26.4

CHILD HEALTH SERVICE

UNDER 5 CHILDHOOD ILLNESS		National	Agrarian	Pastoralist	REGION								
					Tigray	Afar	Amhara	Oromia	SNNP	Somali	Gambela	Bensshangul Gumuz	Harari
65	Percentage of children who had shown symptoms of ARI	17.9	18.0	14.6	23.9	8.3	17.2	19.6	12.2	22.5	17.5	23.6	19.7
66	Percentage of children who had diarrhea	10.6	10.6	9.5	9.1	8.4	10.0	9.2	15.0	8.6	11.3	25.4	12.1
67	Percentage of children who had fever	19.6	19.9	13.5	22.2	10.6	17.0	20.4	19.2	20.7	39.7	28.5	17.2

VACCINATION		National	Agrarian	Pastoralist	REGION								
					Tigray	Afar	Amhara	Oromia	SNNP	Somali	Gambela	Bensshangul Gumuz	Harari
68	Percentage of children age 12-23 who received BCG vaccine	79.3	81.7	43.0	95.0	58.3	97.3	75.3	77.5	28.1	75.7	100.0	75.6
69	Percentage of children age 12-23 who received at least 3 doses of Pentavalent vaccine	50.4	52.6	15.8	82.4	39.4	74.7	42.7	47.1	0.8	38.2	79.4	55.7
70	Percentage of children age 12-23 who received measles vaccine	47.8	50.3	10.7	79.6	28.5	77.1	37.1	47.6	1.5	41.3	53.6	33.8
71	Full basic vaccination coverage	35.7	37.6	8.2	68.8	27.1	57.9	27.9	32.8	0.1	28.2	33.9	31.0
72	Percentage of children age 12-23 who received Rota	54.4	56.7	19.4	77.1	52.4	80.1	47.4	50.5	3.9	39.1	92.7	59.6

INFANT AND YOUNG CHILD FEEDING (IYCF)		National	Agrarian	Pastoralist	REGION								
					Tigray	Afar	Amhara	Oromia	SNNP	Somali	Gambela	Bensshangul Gumuz	Harari
73	Coverage of age appropriate breast feeding for 6 - 23 months	83.6	84.3	70.4	79.6	79.1	85.7	85.1	81.7	54.7	91.4	92.2	79.1
74	Percentage of mothers who initiated complementary feeding at the appropriate time	66.6	66.4	70.4	53.4	90.3	78.2	68.4	53.8	76.8	74.4	89.7	66.7
75	Percentage of children age 6 - 23 who got appropriate minimum acceptable diet	14.4	14.6	8.2	8.8	17.6	8.2	20.8	8.1	1.5	29.3	24.5	25.1
76	Percentage of households which were visited by HEWs for IYCF	28.8	29.6	13.1	43.6	16.7	39.1	22.5	32.9	3.6	37.3	41.5	12.9



WATER SUPPLY, HYGIENE & SANITATION

WATER SUPPLY		National	Agrarian	Pastoralist	REGION								
					Tigray	Afar	Amhara	Oromia	SNNP	Somali	Gambela	Bensshangul Gumuz	Harari
77	Percentage of households with access to improved drinking water sources	71.4	72.6	46.1	72.5	86.7	80.2	70.8	64.5	31.4	63.4	92.6	83.1

SOLID AND LIQUID WASTE MANAGEMENT		National	Agrarian	Pastoralist	REGION								
					Tigray	Afar	Amhara	Oromia	SNNP	Somali	Gambela	Bensshangul Gumuz	Harari
78	Percentage of households with solid waste disposal sites	10.7	10.5	13.4	22.2	6.4	9.3	11.1	7.4	24.3	11.9	15.5	14.1
79	Percentage of households with liquide waste disposal pits	10.8	10.6	14.9	12.5	6.7	17.9	9.5	2.5	25.7	4.5	7.2	11.6

PERSONAL HYGIENE PACKAGE		National	Agrarian	Pastoralist	REGION								
					Tigray	Afar	Amhara	Oromia	SNNP	Somali	Gambela	Bensshangul Gumuz	Harari
100	Percentage of women who received health education about handwashing from HEWs	52.7	53.9	27.4	65.7	54.6	49.2	49.6	65.5	9.9	42.5	73	27.6
101	Percentage of women washing their hands at critical times of handwashing	11.6	11.1	23.1	8.5	12.8	10.7	14	5	42.6	19.4	9.1	26.1

SANITATION FACILITIES & UTILIZATION		National	Agrarian	Pastoralist	REGION								
					Tigray	Afar	Amhara	Oromia	SNNP	Somali	Gambela	Bensshangul Gumuz	Harari
102	Percentage of households with improved sanitation facilities	20	20.7	5.2	15.1	6.1	16.5	25.5	15.4	4.7	13.6	12.4	27.2
103	Percentage of households with open defecation	28.5	26.1	80.4	73.2	80.6	42.4	19.3	11.6	91.2	81.7	17.8	48.7
104	Percentage of households with handwashing facilities	6.7	6.9	1.3	2.1	0.4	7.4	6.1	8.6	0.2	9.4	19.8	6



DISEASE CONTROL SERVICES

MALARIA PREVENTION AND CONTROL		National	Agrarian	Pastoralist	REGION								
					Tigray	Afar	Amhara	Oromia	SNNP	Somali	Gambela	Bensshangul Gumuz	Harari
105	Percentage of households in malarous districts with at least one mosquito net for every two person who stayed in the household the last night	84.2	84.6	78.8	78.8	73.7	89.1	82.3	82.8	74.9	84.8	87.0	85.2
106	Percentage of children in malarous districts age < 5 years who slept under any mosquito nets in the last night	31.8	31.3	35.7	13.5	47.8	37.3	36.7	15.8	47.8	67.3	62.7	40.2
107	Percentage of pregnant mothers in malarous districts who slept under any mosquito nets in the last night	19.2	16.8	27.7	22.0	35.4	26.4	21.8	4.8	29.6	40.5	59.7	17.3

KNOWLEDGE ON HIV/AIDS		National	Agrarian	Pastoralist	REGION								
					Tigray	Afar	Amhara	Oromia	SNNP	Somali	Gambela	Bensshangul Gumuz	Harari
108	Percentage of women who had comprehensive knowledge about HIV/AIDS ⁴	13.0	13.2	7.1	10.2	11.2	13.7	15.4	7.7	0.0	21.7	3.0	11.9
	Prevention of Mother - to - Transmission of HIV												
109	Percentage of pregnant women who received counseling on HIV and offered a test during ANC	61.0	61.5	40.1	83.1	47.5	77.8	54.3	50.5	2.3	92.8	75.0	71.7
110	Percentage of women who gave birth in a health facility and who got tested for HIV	89.6	89.6	86.1	99.2	86.1	97.1	83.2	87.4	0.0	99.9	96.8	89.6

TUBERCULOSIS PREVENTION AND CONTROL		National	Agrarian	Pastoralist	REGION								
					Tigray	Afar	Amhara	Oromia	SNNP	Somali	Gambela	Bensshangul Gumuz	Harari
111	Percentage of women who had adequate knowledge (opening windows and doors for ventilation, covering mouth and nose while coughing and treatment) on prevention methods of TB	8.8	8.7	11.4	13.4	7.3	7.6	10.4	4.6	16.6	8.4	0.7	28.2
112	Percentage of women whose information sources were HEWs about TB	34.3	34.5	30.6	38.3	29.9	29.8	33.9	42.5	27.8	40.5	36.9	21.6
113	Percentage of TB patients who received treatment follow-up from HP/HEW	27.2	27.6	4.0	5.8	9.3	21.1	43.1	17.2	0.0	24.7	17.2	11.8

NCDs		National	Agrarian	Pastoralist	REGION								
					Tigray	Afar	Amhara	Oromia	SNNP	Somali	Gambela	Bensshangul Gumuz	Harari
114	Percentage of women who reported that they received information about major NCDs from HEWs in the last one year	3.1	3.0	4.3	2.3	1.0	7.0	1.7	1.0	8.2	3.1	0.4	0.3
115	Percentage of households who had at least one member diagnosed from one major NCD	9.2	9.3	7.8	3.3	17.4	13.2	7.2	9.8	9.5	9.5	16.0	13.7
116	Prevalence of susaidal thoughts among women in the last 12 months	2.7	6.4	3.4	2.7	9.0	3.4	4.3	15.9	0.1	3.1	5.8	2.8
117	Percentage of women who had heard about cervical cancer from HEWs in the last one year	11.5	11.4	14.4	11.8	8.0	14.0	11.0	8.1	24.1	16.8	7.3	3.2

Note:

⁴ Comprehensive knowledge of HIV is comprised of consistent use of condoms during sexual intercourse and having just 1 uninfected faithful partner can reduce the chance of getting HIV, knowing that a healthy-looking person can have HIV, and rejecting the 2 most common local misconceptions about the transmission or prevention of HIV.



15	Diwarimig	87121873	Ach	102	134	820	16
			Cumm	102	134	820	16
			%				
16	Moderate Acute Malnutrition	63215853	Ach	532	205	6	
			Cumm	532	205	6	
			%				
17	Sever Acute Malnutrition	2496321	Ach	10			
			Cumm	10			
			%				
18	Diarrhea under 5 yrs	2772	Ach				
			Cumm				
			%				
19	Pneumio under 5yrs	3969933	Ach				
			Cumm				
			%				
20	Shakkama	25112922	Ach	27	5		
			Cumm	27	5		
			%				
21	Malaria	58155	Ach	9	3		
			Cumm	9	3		
			%				
22	IFH	42114	Ach	0	0		
			Cumm	0	0		
			%				
23	Pregnant Women Conference	1261	Ach	1	1	1	1
			Cumm	1	2	3	4
			%				
24	Pregnant & Lactating Women Screening	2406020	Ach	172	153	152	203
			Cumm	172	325	477	680
			%				
25	Neonatal Sepsis		Ach	11	0	0	0
			Cumm	11	11	11	11
			%				
26	Mana Fincani - Hara	61415451	Ach				
			Cumm				
			%				
27	Mana Fincani - Haroomsa	60015050	Ach	0	0	0	0
			Cumm	0	0	0	0
			%				
28	Mari RMDD		Ach	0	0	0	0
			Cumm	0	0	0	0
			%				
29	Sadarka RMDD		A				
			B				
			C				
30	ITN Utilization	304101					
31	Dawana M/Barumsa	31					

STEPS OF NEGOTIATION

- 1. ASKING
- 2. LEARNING
- 3. IDENTIFY THE PROBLEM
- 4. DISCUSS
- 5. REQUIREMENT
- 6. AGREE
- 7. APPPOINTMENT
- 8. FREQUENCY
- 9. DING
- 10. COMPLEMENTARY

MORBIDITIES AND HEALTH SEEKING BEHAVIOR

MORBIDITIES AND HEALTH SEEKING BEHAVIOR		National	Agrarian	Pastoralist	REGION								
					Tigray	Afar	Amhara	Oromia	SNNP	Somali	Gambela	Bensshangul Gumuz	Harari
118	Percentage of households that had at least one member sick in the last month	18.8	19.0	12.8	24.0	10.7	14.4	22.0	16.5	15.0	32.4	24.6	15.0
119	Percentage of sick members of the family for whom treatment was sought	69.4	69.6	62.1	62.1	72.7	69.0	72.9	63.0	50.6	81.0	89.5	75.4
120	Percentage of sick individuals who sought treatment from HP/HEW	10.8	10.3	29.2	10.6	78.7	4.6	10.4	15.7	34.8	54.6	33.6	8.7



GOVERNANCE & RELEVANCE



LEADERSHIP AND GOVERNANCE

INDICATORS		National	Agrarian	Pastoralist	REGION								
					Tigray	Afar	Amhara	Oromia	SNNP	Somali	Gambela	Bensshangul Gumuz	Harari
121	Percent of HPs that had Annual Plan	79.9	83.4	45.9	100.0	77.2	89.9	84.8	75.0	11.8	38.4	93.2	100.0
122	Percent of HPs that had community participation in HEP's implementation	73.5	76.3	45.1	87.9	59.8	85.8	74.3	71.8	18.6	48.6	82.2	68.3
123	Percent of HCs that had HEP coordinator	78.2	79.1	75.0	85.2	71.4	82.1	78.3	97.1	30.0	80.0	16.7	50.0

HEW'S PERCEPTION TOWARDS HEP

INDICATORS		National	Agrarian	Pastoralist	REGION								
					Tigray	Afar	Amhara	Oromia	SNNP	Somali	Gambela	Bensshangul Gumuz	Harari
124	Percent of HEWs who perceived that HEP is adequately supported by HC supervisors	51.4	48.4	80.7	59.5	69.8	63.3	47.1	37.0	91.4	57.7	57.4	63.6
125	Percent of HEWs who perceived that HEP is adequately supported by Woreda Health Office supervisors	43.5	39.7	79.5	52.0	72.2	51.8	35.3	35.9	90.8	59.1	67.0	65.4
126	Percent of HEWs who perceived that HEP is adequately supported by Kebele administration	62.8	60.3	86.6	60.4	87.8	56.5	58.0	69.4	89.3	84.4	69.9	76.6

HEP PACKAGES IN RESPONSE TO COMMUNITY'S NEEDS

INDICATORS		National	Agrarian	Pastoralist	REGION								
					Tigray	Afar	Amhara	Oromia	SNNP	Somali	Gambela	Bensshangul Gumuz	Harari
127	Percent of women who ever had visited a HP and proposed additional HP services in response to their needs	43.9	44.0	39.8	74.5	44.3	42.4	41.3	44.6	18.0	43.4	72.3	58.4
128	Percent of men who ever had visited a HP and proposed additional HP services in response to their needs	51.5	52.0	35.0	83.2	39.1	58.1	48.5	43.4	23.5	43.5	83.3	74.5
129	Percent of youth girls who ever had visited a HP and proposed additional HP services in response to their needs	49.3	50.0	26.7	62.9	29.0	46.8	46.1	51.3	13.8	44.4	67.2	59.6
130	Percent of women who recommended addition of "Treatment of sick adults" in the HP service packages	73.4	73.7	63.9	77.5	69.5	73.1	68.1	81.4	47.1	64.6	61.2	94.6
131	Percent of women who recommended addition of "Postnatal care" in the HP service packages	26.7	26.4	36.8	12.1	9.8	18.0	33.1	30.5	55.5	17.5	16.0	29.5
132	Percent of women who recommended addition of "All ANC visits" in the HP service packages	34.5	34.5	32.8	12.7	22.6	24.3	34.4	52.3	57.4	21.2	15.5	43.4

HEP SERVICE DELIVERY POINTS IN RESPONSE TO COMMUNITY'S HEALTH NEEDS

INDICATORS		National	Agrarian	Pastoralist	REGION								
					Tigray	Afar	Amhara	Oromia	SNNP	Somali	Gambela	Bensshangul Gumuz	Harari
133	Percent of women who reported Home Visit as a service delivery point is appropriate	82.2	82.4	74.7	77.4	67.7	90.6	79.9	81.0	47.9	67.7	96.3	58.8
134	Percent of men who reported Home Visit as a service delivery point is appropriate	81.7	82.0	72.0	74.3	62.1	88.3	80.6	81.2	68.7	66.9	95.1	55.2
135	Percent of youth girls who reported Home Visit as a service delivery point is appropriate	76.6	76.7	68.5	65.3	67.6	86.6	68.8	83.5	59.2	52.8	97.0	54.0

SOCIO-CULTURAL RELEVANCE OF HEP SERVICE DELIVERY POINTS

INDICATORS		National	Agrarian	Pastoralist	REGION								
					Tigray	Afar	Amhara	Oromia	SNNP	Somali	Gambela	Bensshangul Gumuz	Harari
136	Percent of women who had agreed that "it is good HEWs are FEMALES"	89.4	90.3	69.8	91.4	77.3	93.1	89.7	87.6	49.8	73.6	95.7	75.2
137	Percent of women who had agreed that "it is good HEWs are MALES"	71.4	71.9	59.7	77.6	65.5	70.9	70.7	74.4	50.7	66.1	67.7	54.4
138	Percent of women who had agreed that HEP has good acceptance by the communities	86.3	87.3	63.3	87.0	70.5	91.4	84.2	88.2	48.3	74.8	95.7	62.4
139	Percent of HH members who had agreed that the community trust HEWs	71.3	72.2	50.1	77.4	70.4	83.3	64.5	72.4	46.1	66.6	88.1	50.4
140	Percent of HH members who had agreed that HEWs serve the community with respect	74.9	75.9	51.8	88.9	71.2	87.1	70.0	69.7	47.3	69.8	90.8	55.9
141	Percent of HH members who had agreed that HEWs serve the community with friendly approach	71.5	72.4	51.1	87.8	73.4	85.1	64.4	68.6	46.4	69.0	89.4	54.4
142	Percent of HH members who had agreed that HEWs are model for the community in their behavior	74.9	75.9	52.1	82.8	68.2	84.2	72.4	70.0	45.8	65.0	87.5	56.0



URBAN HEALTH EXTENSION PROGRAM

SAMPLING DISTRIBUTION

INDICATORS		Urban National	Addis Ababa	Dire Dawa
1	Number of Urban HH interviewed	379	355	24
2	Number of Schools visited	308	297	11
3	Number of Youth Centers interviewed	129	123	6
4	Number of Work places visited	211	200	11
5	Number of Street (homeless community)	193	175	18

STATUS OF UHEP



HUMAN RESOURCE OF UHEP

	INDICATORS	Urban National	Addis Ababa	Dire Dawa	Other towns
1	Urban Health Extension Professional (UHEPr) density (1UHEPr per 400-500 households as recommended) %	42	59	12	7
2	Percent of UHEPr's attrition	21	38	8	6
3	Percent of UHEPrs with severe risk of burnout	4	5	3	5
4	Percent of UHEPrs with probable symptoms of depression	9	8	7	14

ESSENTIAL MEDICAL EQUIPMENT FOR FHT SERVICES

	INDICATORS	Urban National	Addis Ababa	Dire Dawa	Other towns
5	Percentage of urban HCs having Thermometer	77	75	100	
6	Percentage of urban HCs having functional BP apparatus	88	87	100	
7	Percentage of urban HCs having MUAC tape	95	94	96	
8	Percentage of urban HCs having functional Fetoscope	34	31	83	
9	Percentage of urban HCs having functional Height measuring tape/board	15	12	58	
10	Percentage of urban HCs having functional Weighing scale	13	10	58	

AVAILABILITY OF ESSENTIAL TRACER DRUGS IN THE URBAN HCs AT THE TIME OF VISIT

	INDICATORS	Urban National	Addis Ababa	Dire Dawa	Other towns
11	Availability of Vitamin A at the time of visit	91	90	100	
12	Availability of Albendazole for deworming at the time of visit	84			
13	Availability of Paracetamol at the time of visit	56			
14	Availability of ORS and Zinc at the time of visit	46	43	92	
15	Availability of First aid kits at the time of visit	77			
16	Availability of HIV test kits at the time of visit	14	8	92	

URBAN COMMUNITY HEALTH INFORMATION SYSTEM FOR UHEP

INDICATORS		Urban National	Addis Ababa	Dire Dawa	Other towns
17	Percent of UHEPrs who conducted baseline assessment for the preparation of catchment population profile	75	74	96	
18	Percent of UHEPrs who identified and scheduled HHs for FHT visit	95	95	96	
19	Percent of UHEPrs who identified health needs of homeless communities	60	60	58	
20	Percent of UHEPrs who recorded activities and performance of FHT	88	90	63	
21	Percent of UHEPrs who prepared FHT's weekly performance report	81	82	54	
22	Percent of UHEPrs who updated catchment population profile	71	70	88	
23	Percent of Urban HCs implementing urban community health information system	44	51	0	36

AVAILABILITY OF GUIDELINES

INDICATORS		Urban National	Addis Ababa	Dire Dawa	Other towns
24	Percent of urban HCs with urban HEP guidelines	85	90	100	67
25	Percent of urban HCs with recording tools/formats	97	98	100	94
26	Percent of urban HCs with standard list of medicines and supplies for UHEP	55	65	0	36



UHEP SERVICE DELIVERY

ACCESS TO URBAN HEP SERVICES (HOME VISITS)

INDICATORS		Urban National	Addis Ababa	Dire Dawa
27	Percent of urban HHs ever been visited by UHEPrs in the past one year	46	47	44
28	Percent of urban HHs visited by UHEPrs a year before	18	18	20
29	Percent of urban HHs never been visited by UHEPrs	36	36	37
	Implementation of HEP			
30	Percent of urban HHs that completed Model Family Training (MFT)	19	24	9



UHEP PACKAGES

HEALTH EDUCATION AND COMMUNICATION

	INDICATORS	Urban National	Addis Ababa	Dire Dawa	Other towns
31	Percent of UHEPrs whose FHTs provided health education and counseling services	99	100	83	

PERSONAL HYGIENE AND ENVIRONMENTAL SANITATION

	INDICATORS	Urban National	Addis Ababa	Dire Dawa	Other towns
32	Percent of UHEPrs whose FHTs provided community mobilization for environmental sanitation	96	97	79	

FAMILY HEALTH SERVICES

	INDICATORS	Urban National	Addis Ababa	Dire Dawa	Other towns
33	Percent of UHEPrs whose FHTs provided Family planning/contraceptive	82	82	83	
34	Percent of UHEPrs whose FHTs provided Antenatal care service	79	78	83	
35	Percent of UHEPrs whose FHTs provided Post-natal care service	80	79	83	
36	Percent of UHEPrs whose FHTs provided Child health services (nutrition screening, supplementation of micronutrients, and deworming)	90	90	79	
37	Percent of UHEPrs whose FHTs provided Child immunization	68	67	75	
38	Percent of UHEPrs whose FHTs provided diagnosis and treatment of children with diarrhea	78	78	83	
39	Percent of UHEPrs whose FHTs provided Diagnosis and treatment of children with pneumonia	75	75	83	

COMMUNICABLE DISEASES

	INDICATORS	Urban National	Addis Ababa	Dire Dawa	Other towns
40	Percent of UHEPrs whose FHTs provided Malaria diagnosis and treatment	45	43	79	
41	Percent of UHEPrs whose FHTs provided TB screening and referral	94	95	79	
42	Percent of UHEPrs whose FHTs provided HIV testing and counseling	74	74	83	

NON-COMMUNICABLE DISEASES (NCDs) AND FIRST AID

	INDICATORS	Urban National	Addis Ababa	Dire Dawa	Other towns
43	Percent of UHEPrs whose FHTs provided NCD screening/identification and referral (diabetes, hypertension, and heart diseases)	94	95	83	
44	Percent of UHEPrs whose FHTs provided Cancer screening and referral, including self-breast examination for breast cancer	87	87	83	
45	Percent of UHEPrs whose FHTs provided Psychological support for patients with mental illness	89	90	79	
46	Percent of UHEPrs whose FHTs provided First aid services	84	84	83	



UHEP GOVERNANCE & RELEVANCE

LEADERSHIP AND GOVERNANCE

	INDICATORS	Urban National	Addis Ababa	Dire Dawa	Other towns
47	Percent of urban HCs that had HEP coordinator	85	85	71	88
48	Percent of urban HCs that had other staff for coordinating urban HEP	11	11	0	12
49	Percent of urban HCs that had administrative and technical oversight roles for the implementation of HEP	65	55	100	82
50	Percent of urban HCs that had allocated budget for urban HEP	11	10	43	6
51	Percent of urban HCs that had provided trainings to UHEPrs	73	78	67	42

UHEPr's SATISFACTION OF THEIR RESPECTIVE CITY ADMINISTRATION

	INDICATORS	Urban National	Addis Ababa	Dire Dawa	Other towns
52	Percent of UHEPrs satisfied on the City Administration's leadership	50	49	52	50
53	Percent of UHEPrs satisfied on the City Administration's autonomy	76	75	84	76
54	Percent of UHEPrs satisfied on the City Administration's work environment and cohesion	83	84	84	80
55	Percent of UHEPrs satisfied on the City Administration's professional training	37	32	68	26
56	Percent of UHEPrs satisfied on the City Administration's recognition at work	69	70	77	58
57	UHEPr's overall satisfaction	59	58	79	48

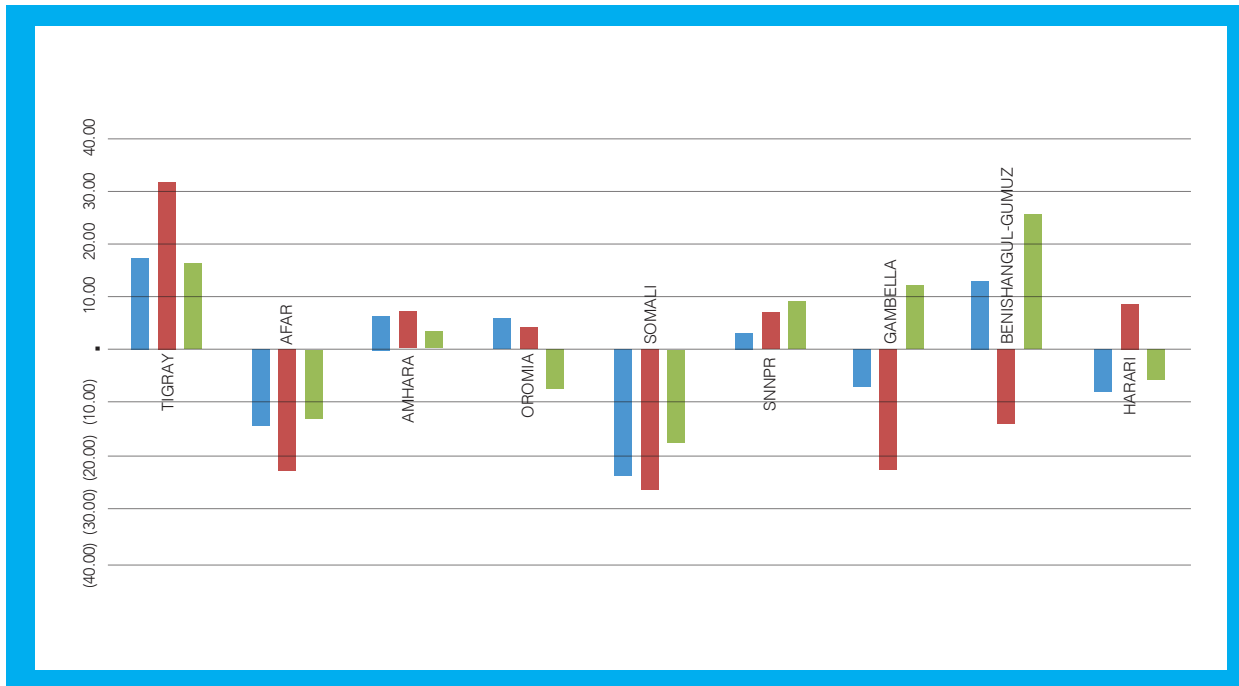
SOCIO-CULTURAL RELEVANCE OF HEP SERVICE DELIVERY POINTS

	INDICATORS	Urban National	Addis Ababa	Dire Dawa	Other towns
58	Percent of urban HHS who had agreed that UHEPrs as passionate, motivated, and honest in providing services to the communities	69	79	50	
59	Percent of urban HHS who had agreed that UHEPrs serve the community with friendly approach	70	79	54	
60	Percent of urban HHS who reported their overall satisfaction of the urban HEP program services	70	76	57	



WHERE ARE THE REGIONS AGAINST THE NATIONAL AVERAGE?



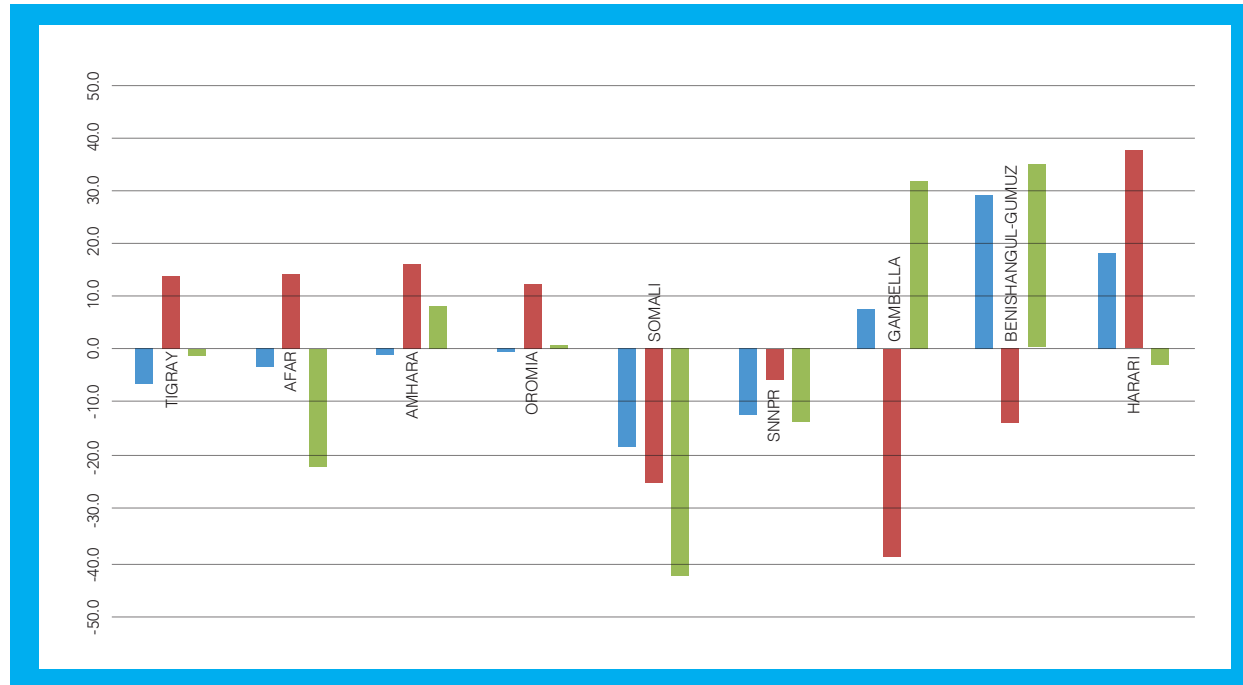


Regional Disparities in Maternal and Child Health Indicators

Analysis of deviation from national average for maternal health indicators showed that Somali and Afar regions had higher negative deviation from national average for ANC, Health Facility delivery. Tigray region had a higher positive deviation from national average for ANC, Health Facility delivery and postnatal care. Benishangul-Gumuz region had higher positive deviation for postnatal care coverage.

DEVIATION OF MATERNAL HEALTH INDICATORS FROM NATIONAL AVERAGE



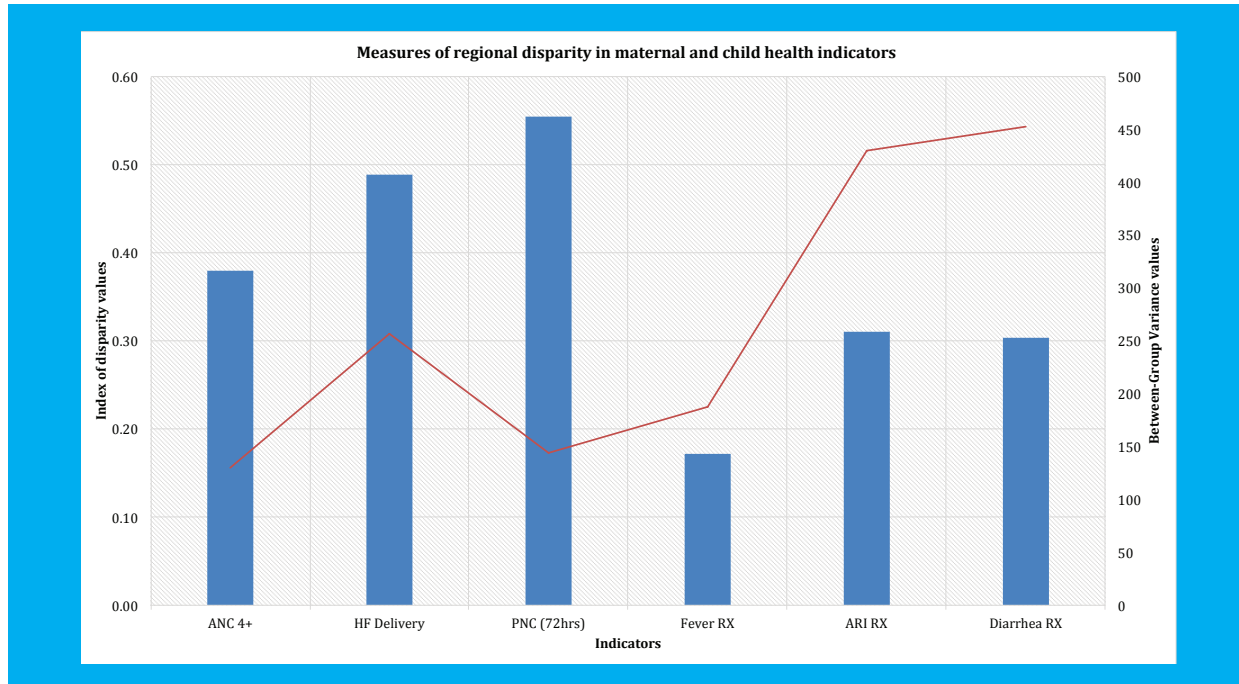


Analysis of deviation from the national average for coverage of treatment for childhood illnesses indicated a higher negative deviation in seeking treatment diarrhea in Somali region and seeking treatment for acute respiratory infection in Gamella. Benishangul-Gumuz region had a relatively higher positive deviation from national average for ARI while Gamebella and Benishangul-Gumuz regions had higher positive deviation in diarrhea treatment. Benishangul-Gumuz also had a relatively higher coverage of treatment of children with fever.

DEVIATION OF COVERAGE OF CHILD TREATMENT INDICATORS FROM NATIONAL AVERAGE



MEASURES OF REGIONAL DISPARITY IN MATERNAL AND CHILD HEALTH INDICATORS



Relative regional disparity increased from ANC to Health Facility Delivery and postnatal care. Absolute disparity as measured by between-group variance was higher for treatment seeking for acute respiratory infections and diarrhea.



