

FACILITY READINESS ASSESSMENT OF THE PRIVATE HEALTH SECTOR TO IMPLEMENT MALARIA SERVICES: AMHARA, SOUTHERN NATIONS, NATIONALITIES, AND PEOPLES, AND TIGRAY REGIONS, ETHIOPIA



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ACRONYMS

AIDS	Acquired Immuno-Deficiency Syndrome
ART	Antiretroviral Therapy
BCC	Behavioral Change Communication
BSc N	Bachelor of Science in Nursing
DOTS	Direct Observed Treatment Short-Course
EC	Ethiopian Calendar
EQA	External Quality Assurance
FMOH	Federal Ministry of Health
GP	General Practitioner
HA	Health Assistant
HIV	Human Immuno-Deficiency Virus
HO	Health Officer
MD	Medical Doctor
PHSP	Private Health Sector Program
PPM	Public-Private Mix
PPS	Population Proportion to Size
RDT	Rapid Diagnostic Test
RHB	Regional Health Bureau
S	Specialist (Medical Doctor, Specialist)
SNNP	Southern Nations, Nationalities, and Peoples
SPSS	Statistical Package for Social Sciences
SSA	sub-Saharan Africa
TB	Tuberculosis
THO	Town Health Office
TV	Television
USAID	United States Agency for International Development
WHO	World Health Organization
WoHO	Woreda Health Office
X	X-ray Technician

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EXECUTIVE SUMMARY

Background: Malaria is a significant impediment to social and economic development in Ethiopia. In endemic areas, malaria has affected the population during planting and harvesting seasons, reducing productive capacity at a time when there is the greatest need for agricultural work.

Objective: To assess private health facility readiness and select potential facilities to provide malaria services through public-private partnerships in Southern Nations, Nationalities, and Peoples, Tigray, and Amhara regions.

Methods: This cross-sectional facility-based assessment of the private health facilities was conducted from December 26, 2011 through February 14, 2012. It employed purposive sampling methods to identify woredas in which malaria is endemic. The data were collected by three-member teams (one member each from the respective regional health bureau (RHB) and the woreda/town health office, and one from the Private Health Sector Program (PHSP) in Ethiopia. The teams used a structured questionnaire to collect information from owners or managers of the facilities. Other data were collected using an observation checklist. Based on the suggestions of the three RHBs, the assessment was conducted in 126 private clinics and hospitals, and 119 drug outlets in SNNP Amhara and Tigray Regions.

Findings and conclusions: Sixty-six (52 percent) of the clinics and hospitals were selected for malaria services. Thirty-six of them (54.5 percent) were already working with RHBs through Public-Private Mix Directly Observed Treatment Short-course (PPM DOTS)/family planning PHSP-supported health facilities; the remaining 30 were new. Of the selected facilities, 16 (24 percent) were lower clinics, 38 (57 percent) were medium clinics, 11 (16.6 percent) were higher clinics, and one (1.5 percent) was a hospital. Almost all of the facilities demonstrated their willingness and commitment to provide malaria services at an affordable cost.

I. BACKGROUND

Globally, malaria is one of the three most challenging public health diseases (the other two are Acquired Immune Deficiency Syndrome (AIDS) and tuberculosis (TB)). Based on a 2010 World Health Organization (WHO) report, nearly 90 percent of the global malaria mortality burden – 225 million cases – is concentrated in Africa. An estimated 781,000 Africans died from the disease in 2009, most of them children in sub-Saharan Africa. In fact, malaria is the leading cause of childhood death globally, accounting for 20 percent of mortality in children under-five years in Africa (WHO, 2010). Malaria also is a major factor in Africa's high rate of infant and maternal mortality, of low birth weight, of school absenteeism, and of low productivity in agricultural and other work. It afflicts primarily the poor, who tend to live in malaria-endemic areas and in dwellings that offer little or no protection against mosquitoes (Alnwick, 2000).

Malaria is a major public health problem in Ethiopia and has been consistently reported as one of the three leading causes of morbidity and mortality in the country (Federal Ministry of Health (FMOH), 2012).

Access to prompt treatment determines the outcome of the disease. The first Malaria Indicator Survey (2007) in Ethiopia revealed that close to 25 percent of parents sought malaria services for their children from private health providers (Jima et al., 2010). The result of a study conducted in eastern Oromia Regional State revealed factors that delay seeking malaria services; they include poor health seeking behavior of the parents, financial problems, work overload, and lack of access to services (Deressa et al, 2003).

The objective of the National Malaria Control Strategy (2010–2015) is to prevent, control, and eliminate malaria in Ethiopia (FMOH, 2009). The strategy states that 100 percent of suspected malaria cases should be diagnosed using Rapid Diagnostic Tests (RDTs) and/or microscopy within 24 hours of fever onset, 100 percent of positive malaria diagnoses be treated according to national guidelines, and 100 percent of severe malaria cases be managed according to national guidelines. Achieving these ambitious objectives requires political commitment, community involvement, effective and efficient public-private partnerships, and support of all stakeholders.

The strategy also states that malaria services will be promoted through partnerships with the private sector. The FMOH (2012) reiterated in its malaria guidelines that there should be a relationship with the private sector to involve it in the implementation and support of malaria control programs, particularly in malaria case management.

The United States Agency for International Development | Private Health Sector Program (USAID| PHSP) has extensive experience in implementing a public-private partnership model for delivery of public health services. To improve TB case detection and case management outcomes in Ethiopia, a Public-Private Mix, Directly Observed Therapy, Short Course (PPM DOTS) program has been implemented in 280 private health facilities (FMOH, 2011a). This calls for building the capacity of the public as well as the private sector to do malaria case diagnosis and treatment, and for providing supportive supervision. Implementing an innovative approach to malaria services as part of the package of PHSP-supported public health services will benefit the community, public health facilities, and private health facilities.

The objective of this rapid facility assessment was to select the private health facilities to provide malaria services through a public-private partnership. Selection criteria were the following: facility capacity in terms of human and material resources, patient load, and especially the number of malaria cases seen

per week, and facility willingness and commitment to bear social responsibility in the provision of standard malaria services in the region.

The assessment also will provide evidence upon which program managers, policymakers, and the private health sector can base decisions on quality of malaria diagnosis and treatment services. To that end, the findings of this assessment will be communicated to program managers, donors, and policymakers to improve the quality of malaria services in private health facilities in the participating regions.

2. OBJECTIVES OF THE ASSESSMENT

2.1 GENERAL OBJECTIVE

- To assess the private health facility readiness and select potential facilities to provide malaria services through a public private mix partnership in three regional states of Ethiopia (Amhara, Southern Nations, Nationalities, and Peoples (SNNP), and Tigray Regional States).

2.2 SPECIFIC OBJECTIVES

- To describe the baseline capacity of private health facilities in malaria services.
- To assess the readiness and willingness of private health facilities to integrate malaria services.
- To identify services provision gaps of private health facilities.
- To select private health facilities which meet the minimum criteria to provide standard malaria diagnosis and treatment services.

3. METHODS

3.1 STUDY DESIGN

A facility-based cross-sectional survey was conducted using an interviewer-administered questionnaire to study the potential, commitment, and willingness of private health facilities to integrate standard malaria services.

3.2 STUDY AREA AND PERIOD

Ethiopia is located in the northeastern part of Africa. Of its total geographic area of 1.1 million square kilometers (FMOH, 2009), nearly 75 percent is malaria endemic, and 68 percent (52 million) of the population lives there (FMOH, 2012).

Ethiopia has nine regional states (Afar, Amhara, Benishangul-Gumuz, Gambella, Harari, Oromia, Somali, SNNP, Tigray) and two city administrations (Addis Ababa and Dire Dawa) (FMOH, 2009). This facility assessment was conducted in three of the regions, Amhara, SNNP, and Tigray, from December 26, 2011, to February 14, 2012. Based on the suggestion of the respective regional health bureaus (RHBs), 126 clinics and 119 drug outlets from malaria-endemic areas participated.

3.3 ASSESSED POPULATION

The population group assessed included private health facilities in malaria-endemic area.

Inclusion criteria included:

- Malaria-endemic woreda
- Private health facility that was open for service at the time of the assessment
- Private health facilities accessible to the field vehicles

Exclusion criteria included:

- Malaria-free woredas
- Private health facilities that were closed for more than a week during the time of the assessment
- Private health facilities inaccessible to the field vehicles

3.4 STUDY POPULATION

Because assessment findings were very important for informing the initiation and integration of malaria services, the survey interviewed the top decision makers in the private health facilities; they included facility owners or managers who were available (on the job) at time of the survey.

3.5 HEALTH FACILITY SELECTION TECHNIQUES

PHSP selected its malaria intervention regions based on the year-three annual work plan. A list of malaria-endemic woredas and private health facilities was identified by each RHB. All facilities in selected woredas that could be accessible to the field vehicle were visited.

3.6 DATA COLLECTION TOOLS

The data were collected using modified PHSP tools that had been developed for antiretroviral treatment (ART), family planning, and TB-DOTS facility readiness assessment surveys. The tools comprised structured questionnaires for interviews and a checklist used for observation. Major categories of the collected data were the following:

1. General information about the health facility
2. Current Staff profile of facility i.e. human resource capacity /# health workers
3. Facility infrastructure and availability of laboratory equipment and supplies
4. Malaria caseload, number of malaria suspected cases seen at the facility within one week preceding the survey
5. Historical information on accountability and experiences of the health facility expressed through activity reporting and accessing supportive supervision
6. Health facility's willingness and commitment to share in national responsibility for providing standard malaria services

3.6.1 DATA PROCESSING AND ANALYSIS

The data were checked for completeness and cleaned manually. Microsoft Office Excel 2010 and SPSS version 17 were used to analyze the data.

3.6.2 CRITERIA FOR FACILITY SELECTION

To select woredas, a purposive sampling method was used. The criteria used to select was based on magnitude and severity of malaria cases in the region. As noted above, 126 clinics and 119 drug outlets were identified, listed, and assessed. To select facilities to participate in the malaria service delivery program, we use a set of criteria: being part of public-private partnerships, human resource capacity, malaria caseload, willingness and commitment were objectively measured collated and ranked.

4. FINDINGS

4.1 FACILITIES ASSESSED IN SNNP REGION

The facility readiness assessment of the private health facilities in SNNP region was conducted from December 26, 2011, through January 19, 2012, by a team of four members (one from PHSP-Ethiopia, one from the SNNP RHB, one each from the respective zonal health department and town health office (THO)). To advocate for rational drug use and improve referral of malaria suspected cases to diagnostic facilities, PHSP assessed five pharmacy and 45 drug stores. The following sections discuss assessment findings for the six major categories of collected data. (See Section 3.6 for list of categories.)

4.1.1 BACKGROUND INFORMATION

The team assessed 52 private health facilities: one hospital, eight higher clinics, 11 lower clinics, and 32 medium clinics. Eighteen of the facilities already were PHSP-supported PPM DOTs and/or family planning program sites. The remaining 34 private health facilities were new to PPM. Table I lists background information collected on each facility: its name and level, the name of the town in which it is located, name of a facility contact person, and telephone number.

TABLE I: FACILITY BACKGROUND INFORMATION, SNNP, JANUARY 2012

#	Name of Facility	Facility Information (level, sub-city/town, name and telephone of contact person)				
		Level	Town	Name of contact person	Telephone (address) of contact person(s)	
					Cell phone	Landline (clinic)
1	Semer Clinic	Medium	Worabe	Shemeredin Shifa	911904622	467710048
2	Alkeso Clinic	Medium	Alkeso	Hadiya Bushira	913074678	-
3	Fatima Clinic	Medium	Worabe	Mekuanint Kebede	910783415	-
4	Beteseb Clinic	Medium	Wolketie	Jemil Mohammed	911879703	13300279
5	Amanuel Clinic	Medium	Wolketie	Ashenafi Wubishet	0911645956/0911879777	-
6	Tenaye Clinic	Medium	Wolketie	Tenaye Francis	911892217	133003049
7	Wabe Clinic	Medium	Wolketie	Dr. Nesero Naji	0911750907/0910190117	-
8	St. Gebreal Clinic	Lower	Wolketie	Reda Teferi	-	113300192
9	Bahir Clinic	Higher	Butajira	Abreham Eyasu	911951590	461150083
10	Dr. Ashenafi Clinic	Medium	Butajira	Dr. Ashenafi Ketenie	911405205	461151936
11	Dr. Girma Polyclinic	Medium	Butajira	Dr. Girma Wolde	912602172	461151903
12	Betel Clinic	Medium	Butajira	Getu Melese	0911533360/0910142514	-
13	Bushura Clinic	Lower	Butajira	Bushra Emana	916060883	461151139
14	Beniadem Clinic	Lower	Butajira	Endegene Ayalew	913529645	461150239
15	Hiwot Clinic	Higher	Hossana	Dr. Solomon	911300683	465552381
16	Beza Clinic	Medium	Hossana	Eyoel Kidane	911359977	465552640
17	Myomy brother Clinic	Medium	Hossana	Lire Tafese	911301654	465550117
18	Selam Clinic	Medium	Hossana	Ayele Bula	9121128150	465551881
19	Wesen Clinic	Medium	Hossana	Degu Johar	916756001	465550115
20	Selam Clinic	Higher	Dilla	Dekeba Geda	911568948	463314082

#	Name of Facility	Facility Information (level, sub-city/town, name and telephone of contact person)				
		Level	Town	Name of contact person	Telephone (address) of contact person(s)	
					Cell phone	Landline (clinic)
21	Heikema Clinic	Medium	Dilla	Abreham	911703216	463311442
22	Dr. Muluneh Clinic	Higher	Dilla	Tesfahun Shamebo	0911733562/0911864867	463312525
23	Fistum Clinic	Medium	Dilla	Dr. Fistum	0911763711/0913020845	463310590
24	Bethel Clinic	Higher	Dilla	Dr. Abreham Adegu	911371967	463313272
25	Adugna Clinic	Medium	Dilla	Dr. Abebe Solomon	911854668	463313644
26	Kora Clinic	Lower	Dilla	Kora Dubie	916509341	463311533
27	Abinet Clinic	Medium	Dilla	Girma Degaga	911194974	463310903
28	Negash Clinic	Medium	Dilla	Negash Obsia	916330977	-
29	Dr. Muluken Clinic	Medium	W/Soddo	Dr. Muluken Bekele	913021218	465510107
30	Enyate Clinic	Medium	W/Soddo	Dr. Ashebere Mezene	911423158	465512916
31	Selihom Clinic	Higher	W/Soddo	Dr. Mustefa Yasin	911311238	465512794
32	Central Clinic	Lower	W/Soddo	Eyasu Benta	911968483	-
33	Teshome Clinic	Lower	W/Soddo	Tegaye Habte	910128481	-
34	Minase Clinic	Lower	W/Soddo	Bereket Beyene	916349638	-
35	Hiwot Clinic	Lower	W/Soddo	Dansa Molesso	911032031	-
36	Beteseb Clinic	Medium	A/minch	Adanech Merdekios	0911192391/0922142420	468810768
37	Abaya Clinic	Medium	A/minch	Legesse Metikie	916601913	
38	Marta Clinic	Medium	A/minch	Martha Merdekios	911805463	468810569
39	Kulfo Clinic	Medium	A/minch	Dejienie Legesse	916832236	468811805
40	Chencha	Lower	A/minch	Damtew Dalo	916442365	468810693
41	Abreham Clinic	Medium	A/minch	Abreham Woliso	913097855	468812664
42	Nehesar Clinic	Lower	A/minch	Atenafu Luleseged	911660533	468810504
43	Yofetahi Clinic	Lower	Halaba	Girma Tegaye	911793947	-
44	Dr. Berhane Clinic	Higher	Halaba	Emebet Andualem	912010278	-
45	Beteseb Clinic	Medium	Halaba	Dr. Bedore Dolicho	911646721	465560130
46	Halaba Polyclinic	Medium	Halaba	Dr. Girma Demo	911385583	-
47	Asher	Hospital	Hawassa	Ato Zewdie Janka	916869625	
48	Tikurwuha	Higher	Hawassa	Dr. Osman Goba	916823183	462210439
49	Central Clinic	Medium	Hawassa	Metiku Wassie	912957345	462210707
50	Zowi Clinic	Medium	Hawassa	Dr. Yohannese Bujie	916823176	-
51	St. Gebreal	Medium	Hawassa	Dr. Dereje Eshetie	916823353	-
52	Haikedar Clinic	Medium	Hawassa	Senbeto Dera	911115947	462206611

4.1.2 STAFFING PROFILE

As seen in Table 2, all facilities including the lower clinics have a minimum of two diploma nurses working full time and who diagnose, treat, and refer uncomplicated and complicated malaria cases. The assessment revealed that in almost all health facilities, no health professional reported having had any training on malaria case management in the past two years. This included both the clinical service provider (physician/health officer/nurse) and the laboratory technician/technologist. Hence most of the patients, especially in the medium and lower clinics, who present with fever and headache are considered malaria suspect and seen by health workers who have no training on current malaria case

management. Providers in these facilities need training so that they can provide quality malaria services to patients and thereby contribute to the control of malaria.

TABLE 2: FACILITY STAFFING PROFILE, SNNP, JANUARY 2012

#	Name of Facility	# of Existing Health Care Providers by Professional Category								Remark on Part-time Worker
		Specialist (S)	General Practitioner (GP)	Health Officer (HO)	BSc Nurse (BN)	Diploma Nurse (N)	Health Assistant (HA)	Lab (L)	Part-time	
1	Semer Clinic	0	0	1	0	2	0	1	1	01(HO)
2	Alkeso Clinic	0	0	0	0	3	2	1	0	
3	Fatima Clinic	0	0	1	0	1	0	0	0	
4	Beteseb Clinic	0	0	1	0	2	0	1	0	
5	Amanuel Clinic	0	0	3	0	1	0	1	0	
6	Tenaye Clinic	0	0	1	0	2	0	1	0	
7	Wabe Clinic	0	1	0	0	1	0	1	0	
8	St. Gebreal Clinic	0	0	0	0	0	2	0	0	
9	Bahir Clinic	1	1	1	0	1	0	1	0	
10	Dr. Ashenafi Clinic	0	0	0	0	1	0	1	1	01(S)
11	Dr. Girma Polyclinic	0	1	0	0	2	0	2	0	
12	Betel Clinic	0	0	1	0	1	0	1	0	
13	Bushura Clinic	0	0	0	0	1	1	1	0	
14	Beniadem Clinic	0	0	0	0	1	1	0	0	
15	Hiwot Higher Clinic	1	1	0	0	5	0	2	0	
16	Beza Clinic	0	0	1	0	2	0	2	0	
17	Myomy Brother Clinic	0	0	2	1	3	0	2	0	
18	Selam Clinic	0	0	1	0	2	0	2	0	
19	Wesen Clinic	0	0	1	0	3	0	1	0	
20	Selam Higher Clinic	2	0	0	0	2	0	1	0	
21	Heikema Clinic	0	0	1	0	3	0	2	7	3HO,2N,2L
22	Dr. Muluneh Clinic	1	1	0	0	2	0	2	9	1S, 8 GP
23	Fistum Clinic	2	0	0	0	2	0	1	3	2GP & 1L
24	Bethel Higher Clinic	1	1	0	0	2	0	1	1	1HO
25	Adugna Clinic	0	1	1	0	2	0	1	2	2HO
26	Kora L Clinic	0	0	0	0	2	0	0	2	1HO & 1N
27	Abinet Clinic	0	0	1	0	2	0	2	1	1HO
28	Negash Clinic	0	0	2	0	3	0	2	0	
29	Dr. Muluken Clinic	0	1	1	1	2	0	2	0	
30	Enyate Clinic	0	1	0	0	3	0	2	2	1HO & 1 GP
31	Selihom Clinic	1	1	1	0	3	1	2	0	
32	Central Clinic	0	0	0	0	2	0	0	0	
33	Teshome Clinic	0	0	0	0	2	0	0	0	
34	Minase Clinic	0	0	0	0	3	0	0	0	
35	Hiwot Lower Clinic	0	0	0	0	2	0	0	0	

#	Name of Facility	# of Existing Health Care Providers by Professional Category								
		Specialist (S)	General Practitioner (GP)	Health Officer (HO)	BSc Nurse (BN)	Diploma Nurse (N)	Health Assistant (HA)	Lab (L)	Part-time	Remark on Part-time Worker
36	Beteseb Clinic	0	0	1	1	2	0	2	1	IS
37	Abaya Clinic	0	1	0	0	3	0	1	1	IL
38	Marta Clinic	0	0	1	0	2	0	1	0	
39	Kulfo Clinic	0	0	1	0	1	0	1	2	IN,IL
40	Chencha Clinic	0	0	0	0	1	1	0	0	
41	Abreham Clinic	0	0	1	0	1	0	1	1	IN
42	Nehesar Clinic	0	0	0	0	2	0	0	2	2N
43	Yofetahi Clinic	0	0	0	0	2	0	0	0	
44	Dr. Berhane Clinic	0	1	1	0	2	0	2	0	
45	Beteseb Clinic	0	1	0	0	2	0	1	0	
46	Halaba Polyclinic	0	1	0	0	1	0	3	0	
47	Asher	2	2	0	0	11	0	5	16	3S,6GP,5N,2X
48	Tikurwuha	0	1	0	0	3	0	1	4	IS,IHO,IN,IX
49	Central Clinic	0	0	1	0	2	0	1	4	3S,IL
50	Zowi Clinic	1	0	0	0	1	0	1	2	IN,IL
51	St. Gebreal Clinic	0	1	0	0	1	0	2	0	
52	Haikedar Clinic	0	1	0	0	3	0	2	2	IX-ray tech, Dental nurse

4.1.3 INFRASTRUCTURE

Table 3 gives information about the infrastructure, services, age, and other amenities of the clinics. The oldest clinic is Alkeso, which was established in 1983 (Ethiopian calendar, or EC) and the newest is Martha Medium Clinic, which was established in September 2004 EC. Except for the Alkeso Clinic and St. Gebreal Lower Clinic, all clinics have an incinerator. All have patient waiting areas, running water, and toilets for staff and patients. Most of the lower clinics and Beteseb Medium Clinic in Halaba town do not have a television in the waiting area. Some facilities do not have behavior change communication (BCC) materials (posters, leaflets, audiovisual materials) on malaria prevention, symptoms, or treatment. The lower clinics agreed that they would prepare a locker in which to store antimalarial drugs.

TABLE 3: FACILITY INFRASTRUCTURE STATUS IN SNNP, JANUARY 2012

#	Name of Facility	Basic Infrastructure of the Private Facilities						
		Patient Waiting Area (TV set/video)	Running Water	incinerator	BCC Materials on Malaria	Toilet for Patient & Staff	Inpatient Service (beds)	Date Established (EC)
1	Semer Clinic	+	+	+	-	+	-	2003
2	Alkeso Clinic	+	+	-	-	+	-	1983
3	Fatima Clinic	+	+	+	-	+	1	2003
4	Beteseb Clinic	+	+	+	-	+	2	1988

#	Name of Facility	Basic Infrastructure of the Private Facilities						
		Patient Waiting Area (TV set/video)	Running Water	incinerator	BCC Materials on Malaria	Toilet for Patient & Staff	Inpatient Service (beds)	Date Established (EC)
5	Amanuel Clinic	+	+	+	-	+	6	1996
6	Tenaye Clinic	+	+	+	-	+	2	2000
7	Wabe Clinic	+	+	+	-	+	3	2000
8	St.Gebreal Clinic	+	+	-	-	+	-	1988
9	Bahir Clinic	+	+	+	-	+	4	2001
10	Dr. Ashenafi Clinic	+	+	+	-	+	-	2001
11	Dr. Girma Polyclinic	+	+	+	-	+	-	2004
12	Betel Clinic	+	+	+	-	+	0	2003
13	Bushura Clinic	+	+	+	-	+	-	1990
14	Beniadem Clinic	+	+	+	-	+	-	1993
15	Hiwot Higher Clinic	+	+	+	-	+	5	1995
16	Beza Clinic	+	+	+	-	+	-	1997
17	Myomybrother Clinic	+	+	+	-	+	-	2000
18	Selam Clinic	+	+	+	-	+	2	2000
19	Wesen Clinic	+	+	+	-	+	3	2003
20	Selam Higher Clinic	+	+	+	-	+	8	1998
21	Heikema Clinic	+	+	+	-	+	6	1999
22	Dr.Muluneh Clinic	+	+	+	-	+	12	2003
23	Fistum Clinic	+	+	+	-	+	10	2000
24	Bethel Higher Clinic	+	+	+	-	+	9	1999
25	Adugna Clinic	+	+	+	-	+	6	1997
26	Kora L Clinic	+	+	+	-	+	-	2003
27	Abinet Clinic	+	+	+	-	+	6	1997
28	Negash Clinic	+	+	+	-	+	3	2002
29	Dr. Muluken Clinic	+	+	+	-	+	4	2003
30	Enyate Clinic	+	+	+	-	+	-	2001
31	Selihom Clinic	+	+	+	-	+	11	1993
32	Central Clinic	+	+	+	-	+	-	1997
33	Teshome Clinic	+	+	+	-	+	-	2002
34	Minase Clinic	+	+	+	-	+	-	1998
35	Hiwot Lower Clinic	+	+	+	-	+	-	2003
36	Beteseb Clinic	+	+	+	-	+	6	1997
37	Abaya Clinic	+	+	+	-	+	4	1990
38	Marta Clinic	+	+	+	-	+	2	2004
39	Kulfo Clinic	+	+	+	-	+	3	2001
40	Chencha	+	+	+	-	+	-	1998
41	Abreham	+	+	+	-	+	-	2000
42	Nechesar	+	+	+	-	+	-	1990
43	Yofetahi	+	+	+	-	+	-	2003

#	Name of Facility	Basic Infrastructure of the Private Facilities						
		Patient Waiting Area (TV set/video)	Running Water	incinerator	BCC Materials on Malaria	Toilet for Patient & Staff	Inpatient Service (beds)	Date Established (EC)
44	Dr. Berhane Clinic	+	+	+	-	+	5	2002
45	Beteseb Clinic	- (No TV)	+	+	-	+	-	1990
46	Halaba Polyclinic	+	+	+	-	+	-	1991
47	Asher	+	+	+	-	+	28	1998
48	Tikurwuha	+	+	+	-	+	9	1992
49	Central Clinic	+	+	+	-	+	-	2000
50	Zowi Clinic	+	+	+	-	+	-	2003
51	St. Gebreal	+	+	+	-	+	5	1995
52	Haikedar Clinic	+	+	+	-	+	7	1987

+ =infrastructure available -=infrastructure not available

As seen in Table 4, except for Alkeso Clinic, all medium clinics and one hospital have functional microscopes. (The microscope at Alkeso Clinic is undergoing maintenance.) In general regarding the supplies and equipment in the laboratory unit, almost all medium clinics including Asher Hospital have a staining rack, frosted-end slides, oil immersion, forceps, thermometer, digital timer, tally counter, giemsa stain stock solution, lead/pen, and dust bin. Some facilities also have a slide box and Bunsen burner. Few facilities have laboratory materials such as lens tissue paper, filter paper, brown bottles (2l), funnel, measuring cylinder, glass beds, slide tray, distiller, and flask/beaker; the exceptions are Fatima, Wabe, Tenaye, Bahir, Hiwot Higher Clinic, Dr. Berhane, Asher Hospital, and Enyate Medium Clinic.

TABLE 4: FACILITY LABORATORY EQUIPMENT FOR MALARIA DIAGNOSIS AND CARE, SNNP, JANUARY 2012

	Name of Facility	Laboratory Equipment Availability Status (+=available -=not available)																		
		Functional Microscope	Dust bin	Staining Rack	Slide Bbox	Lens Tissue Ppaper	Brown bottle(2l)	Frosted End Slide	Filter Paper	Oil immersion	Bunsen Burner	Forceps	Thermometer	Digital Timer	Tally Counter	Giemsa Stain Stock Solution	Lead Pencil/pen	Wright Stain	RDT	Other
26	Kora L Clinic	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=
27	Abinet Clinic	+	=	+	=	+	=	+	=	+	+	+	+	+	+	+	+	=	=	=
28	Negash Clinic	+	=	+	=	=	=	+	=	=	+	+	-	+	+	+	+	=	=	=
29	Dr. Muluken clinic	+	+	+	+	=	+	+	=	+	+	+	+	=	=	+	+	=	=	=
30	Enyate Clinic	+	+	+	+	=	+	+	+	+	+	+	+	+	+	+	+	+	=	=
31	Selihom Clinic	+	+	+	+	=	+	+	=	+	+	+	+	+	+	+	+	+	=	=
32	Central Clinic	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=
33	Teshome Clinic	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=
34	Minase Clinic	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=
35	Hiwot Lower Clinic	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=
36	Beteseb Clinic	+	+	+	+	=	+	+	=	+	+	+	+	+	+	+	+	=	=	=
37	Abaya Clinic	+	+	+	+	=	=	+	+	+	+	+	+	+	+	+	+	=	=	=
38	Marta Clinic	+	=	+	=	=	=	+	=	+	+	+	=	=	+	+	=	=	=	=
39	Kulfo Clinic	+	=	+	=	=	=	+	=	+	+	+	+	+	+	+	=	=	=	=
40	Chencha	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=
41	Abreham	+	=	+	=	=	=	+	=	+	+	+	=	+	+	+	=	=	=	=
42	Nechesar	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=
43	Yofetahi	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=
44	Dr. Berhane Clinic	+	=	+	=	=	=	+	=	+	+	+	+	+	+	+	+	+	=	=
45	Beteseb Clinic	+	=	+	=	=	=	+	+	+	+	+	+	+	+	+	+	=	=	=
46	Halaba Polyclinic	+	=	+	=	=	=	+	=	+	+	+	+	+	+	+	=	=	=	=
47	Asher	+	+	+	+	=	=	+	=	+	+	+	+	+	+	+	+	+	=	=
48	Tikurwuha	+	+	+	+	=	=	+	=	+	+	+	+	+	+	+	+	+	=	=
49	Central Clinic	+	+	+	+	=	=	+	=	+	+	+	+	+	+	+	=	=	=	=
50	Zowi Clinic	+	+	+	=	=	=	+	=	+	+	+	+	+	+	+	=	=	=	=
51	St. Gebreal	+	+	+	+	=	=	+	=	+	+	+	+	+	+	+	=	=	=	=
52	Haikedar Clinic	+	+	+	+	=	=	+	=	+	+	+	+	+	+	+	=	=	=	=

4.1.4 MALARIA CASELOAD

Table 5 indicates that all medium facilities and one hospital can diagnose malaria based on laboratory tests. Malaria diagnosis and treatment and referral services are offered to clients 24 hours/day. Lower clinics, other than Yofetahi Lower Clinic and Kora Lower Clinic, do not have lab capacity to diagnose. Most manage malaria cases based on presumptive diagnosis. Yofetahi and Kora clinics have labs and diagnose malaria with microscopy and/or RDT. Most facilities prescribe symptomatic treatment for patients who present with typical symptoms of malaria despite the blood test result being inconsistent.

TABLE 5: TYPE OF MALARIA SERVICES AND THE AVERAGE NUMBER OF PATIENTS SEEN PER WEEK IN THE HEALTH FACILITIES IN SNNP, JANUARY 2012

#	Name of Facility	Outpatient Dept/Week	Emergency Patients	Clinical Dx and Rx of Malaria Cases	Lab-based DX & Rx of Malaria	Dx and Referral of Malaria	Malaria Suspected CasesW/week	Lab Service for DX of Malaria/Week	Presumptive Malaria Cases/Week	Confirmed Malaria Cases/Week
1	Semer Clinic			+	+	+	210	195	170	76
2	Alkeso Clinic			+	+	+	48	48	32	26
3	Fatima Clinic			+	+	+	36	27	21	14
4	Beteseb Clinic			+	+	+	260	100	57	13
5	Amanuel Clinic			+	+	+	280	140	90	47
6	Tenaye Clinic			+	+	+	45	30	20	3
7	Wabe Clinic			+	+	+	11	11	10	10
8	St. Gebreal Clinic	28	7	+	-	+	-	-	20	-
9	Bahir Clinic			+	+	+	105	105	52	52
10	Dr. Ashenafi Clinic			+	+	+	18	18	1	1
11	Dr. Girma Polyclinic			+	+	+	14	28	5	3
12	Betel Clinic			+	+	+	4	4	4	1/month
13	Bushura Clinic	65	15	+	-	+	-	-	15	-
14	Beniadem Clinic	70	20	+	-	+	-	-	20	-
15	Hiwot Higher Clinic			+	+	+	70	70	15	3
16	Beza Clinic			+	+	+	128	121	62	4
17	Myomy Brother Clinic			+	+	+	125	105	56	5
18	Selam Clinic			+	+	+	70	34	29	4
19	Wesen Clinic			+	+	+	70	21	17	11
20	Selam Higher Clinic			+	+	+	280	199	159	72
21	Heikema Clinic			+	+	+	210	171	175	85
22	Dr. Muluneh Clinic			+	+	+	280	212	168	33
23	Fistum Clinic			+	+	+	70	144	40	40
24	Bethel Higher Clinic			+	+	+	210	134	134	25
25	Adugna Clinic			+	+	+	84	48	45	5
26	Kora L Clinic	84	8	+	+	+	78	??	78	34
27	Abinet Clinic			+	+	+	35	107	35	30
28	Negash Clinic			+	+	+	140	242	105	40
29	Dr. Muluken Clinic			+	+	+	184	126	100	37
30	Enyate Clinic			+	+	+	105	105	74	8

#	Name of Facility	Outpatient Dept/Week	Emergency Patients	Clinical Dx and Rx of Malaria Cases	Lab-based DX & Rx of Malaria	Dx and Referral of Malaria	Malaria Suspected CasesW/week	Lab Service for DX of Malaria/Week	Presumptive Malaria Cases/Week	Confirmed Malaria Cases/Week
31	Selihom Clinic			+	+	+	42	12	12	1/2wks
32	Central Clinic	11	4	+	-	+	-	-	9	-
33	Teshome Clinic	70	14	+	-	+	-	-	49	-
34	Minase Clinic	55	7	+	-	+	-	-	35	-
35	Hiwot Lower Clinic	35	8	+	-	+	-	-	13	-
36	Beteseb Clinic			+	+	+	66	66	11	8
37	Abaya Clinic			+	+	+	75	75	12	8
38	Marta Clinic			+	+	+	40	40	23	22
39	Kulfo Clinic			+	+	+	60	59	34	33
40	Chencha	28	2	+	-	+	-	-	10	-
41	Abreham			+	+	+	120	114	90	30
42	Nechesar	140	35	+	-	+	-	-	57	
43	Yofetahi	158	7	+	+	+	-	154	148	148
44	Dr. Berhane Clinic			+	+	+	255	255	173	146
45	Beteseb Clinic			+	+	+	45	45	31	29
46	Halaba Polyclinic			+	+	+	66	66	54	50
47	Asher			+	+	+	105	64	36	7
48	Tikurwuha			+	+	+	70	68	25	7
49	Central Clinic			+	+	+	48	48	18	10
50	Zowi Clinic			+	+	+	83	83	51	51
51	St. Gebreal			+	+	+	175	175	24	16
52	Haikedar Clinic			+	+	+	35	35	30	20

+ =Service available --=Service not available

Regarding the client load, the average number of malaria-suspected cases examined are as follows:

- The reported malaria caseload was as high as 280 malaria suspected cases per week at Dr. Muluneh Higher Clinic and Amanuel Medium Clinic, located in Dilla and Wolketie towns, respectively.
- The minimum is four suspected malaria cases seen per week in Betel Medium Clinic in Butajira town.
- High numbers of malaria confirmed cases were found in the following facilities:
 1. Yofetahi Lower Clinic (148 per week) found in Halaba town
 2. Dr. Berhane Higher Clinic (146 per week) found in Halaba town
 3. Other facilities also had many malaria confirmed cases
 - 3.1 Heikema Medium Clinic (85 per week) in Dilla
 - 3.2 Semmer Medium Clinic (76 per week) in Worabie
 - 3.3 Bahir Higher Clinic (52 per week) in Butajira
 - 3.4 Zowi Medium Clinic (51 per week) in Hawassa
 - 3.5 Amanuel Medium Clinic (47 per week) in Wolketie
 - 3.6 Dr. Muluken Medium Clinic (37 per week) in W. Soddo

4.1.5 WILLINGNESS AND COMMITMENT TO PROVIDE STANDARD MALARIA SERVICES

Fifty-one of the 52 assessed facilities (all except Halaba Polyclinic) are willing and committed to participating in the malaria health care program including training, recording, and reporting of the activities according to program requirements (Table 6). They also are willing to volunteer to participate in external quality assurance (EQA), which ensures the quality and recognition of the service. Some of the facility owners and health workers mentioned constraints in the supply of antimalarial drugs but they expect to solve this problem.

TABLE 6: FACILITY WILLINGNESS AND COMMITMENT TO PROVIDE AFFORDABLE, STANDARDIZED MALARIA SERVICES, SNNP, JANUARY 2012

#	Name of Facility	Health facility's willingness and commitment to participate in malaria service and facilitate inputs needed to start services on the following criteria						Accountability
		Is facility ready to share and shoulder the national responsibility of providing standard malaria services	Does facility have full-time physician (GP/HO)	Does facility have a clinician for three-day training	Does facility have a full-time lab technician for four-day training	Does facility have a full-time nurse/HA for three-day training	Ready to do recording and reporting of malaria services	Functional health authority level to which the health facility currently reports
1	Semer Clinic	Yes	Yes	Yes	Yes	Yes	Yes	Worabie Health Office
2	Alkeso Clinic	Yes	Yes	Yes	Yes	Yes	Yes	Worabie THO
3	Fatima Clinic	Yes	Yes	Yes	Yes	Yes	Yes	Worabie THO
4	Beteseb Clinic	Yes	Yes	Yes	Yes	Yes	Yes	Wolketie Health Office
5	Amanuel Clinic	Yes	Yes	Yes	Yes	Yes	Yes	Wolketie Health Office
6	Tenaye Clinic	Yes	Yes	Yes	Yes	Yes	Yes	Wolketie Health Office
7	Wabe Clinic	Yes	Yes	Yes	Yes	Yes	Yes	Wolketie Health Office
8	St.Gebreal Clinic	Yes	Yes	Yes	Yes	Yes	Yes	Wolketie Health Office
9	Bahir Clinic	Yes	Yes	Yes	Yes	Yes	Yes	Butajira Health Office
10	Dr. Ashenafi Clinic	Yes	Yes	Yes	Yes	Yes	Yes	Butajira Health Office
11	Dr. Girma Clinic	Yes	Yes	Yes	Yes	Yes	Yes	Butajira Health Office
12	Betel Clinic	Yes	Yes	Yes	Yes	Yes	Yes	Butajira Health Office
13	Bushura Clinic	Yes	Yes	Yes	Yes	Yes	Yes	Butajira Health Office
14	Beniadem Clinic	Yes	Yes	Yes	Yes	Yes	Yes	Butajira Health Office
15	Hiwot Higher Clinic	Yes	Yes	Yes	Yes	Yes	Yes	Hosanna Health Office
16	BezaClinic	Yes	Yes	Yes	Yes	Yes	Yes	Hosanna Health Office
17	Myomybrother Clinic	Yes	Yes	Yes	Yes	Yes	Yes	Hosanna Health Office
18	Selam clinic	Yes	Yes	Yes	Yes	Yes	Yes	Hosanna Health Office
19	Wesen Clinic	Yes	Yes	Yes	Yes	Yes	Yes	Hosanna Health Office
20	Selam Higher Clinic	Yes	Yes	Yes	Yes	Yes	Yes	Dilla Health Office
21	Heikema Clinic	Yes	Yes	Yes	Yes	Yes	Yes	Dilla Health Office
22	Dr. Muluneh Clinic	Yes	Yes	Yes	Yes	Yes	Yes	Dilla Health Office
23	Fistum Clinic	Yes	Yes	Yes	Yes	Yes	Yes	Dilla Health Office
24	Bethel Higher Clinic	Yes	Yes	Yes	Yes	Yes	Yes	Dilla Health Office
25	Adugna Clinic	Yes	Yes	Yes	Yes	Yes	Yes	Dilla Health Office
26	Kora Lower Clinic	Yes	Yes	Yes	Yes	Yes	Yes	Dilla Health Office

#	Name of Facility	Health facility's willingness and commitment to participate in malaria service and facilitate inputs needed to start services on the following criteria						Accountability
		Is facility ready to share and shoulder the national responsibility of providing standard malaria services	Does facility have full-time physician (GP/HO)	Does facility have a clinician for three-day training	Does facility have a full-time lab technician for four-day training	Does facility have a full-time nurse/HA for three-day training	Ready to do recording and reporting of malaria services	Functional health authority level to which the health facility currently reports
27	Abinet Clinic	Yes	Yes	Yes	Yes	Yes	Yes	Dilla Health Office
28	Negash Clinic	Yes	Yes	Yes	Yes	Yes	Yes	Dilla Health Office
29	Dr. Muluken Clinic	Yes	Yes	Yes	Yes	Yes	Yes	W/Soddo Health Office
30	Enyate Clinic	Yes	Yes	Yes	Yes	Yes	Yes	W/Soddo Health Office
31	Selihom Clinic	Yes	Yes	Yes	Yes	Yes	Yes	W/Soddo Health Office
32	Central Clinic	Yes	Yes	Yes	Yes	Yes	Yes	W/Soddo Health Office
33	Teshome Clinic	Yes	Yes	Yes	Yes	Yes	Yes	W/Soddo Health Office
34	Minase Clinic	Yes	Yes	Yes	Yes	Yes	Yes	W/Soddo Health Office
35	Hiwot Lower Clinic	Yes	Yes	Yes	Yes	Yes	Yes	W/Soddo Health Office
36	Beteseb Clinic	Yes	Yes	Yes	Yes	Yes	Yes	A/Minch Health Office
37	Abaya Clinic	Yes	Yes	Yes	Yes	Yes	Yes	A/Minch Health Office
38	Marta Clinic	Yes	Yes	Yes	Yes	Yes	Yes	A/Minch Health Office
39	Kulfo Clinic	Yes	Yes	Yes	Yes	Yes	Yes	A/Minch Health Office
40	Chencha	Yes	Yes	Yes	Yes	Yes	Yes	A/Minch Health Office
41	Abreham	Yes	Yes	Yes	Yes	Yes	Yes	A/Minch Health Office
42	Nechesar	Yes	Yes	Yes	Yes	Yes	Yes	A/Minch Health Office
43	Yofetahi	Yes	Yes	Yes	Yes	Yes	Yes	Halaba THO
44	Dr. Berhane Clinic	Yes	Yes	Yes	Yes	Yes	Yes	Halaba THO
45	Beteseb Clinic	Yes	Yes	Yes	Yes	Yes	Yes	Halaba THO
46	Halaba Clinic	No	No	No	No	No	No	Halaba THO
47	Asher	Yes	Yes	Yes	Yes	Yes	Yes	Millennium Health Center
48	Tikurwuha	Yes	Yes	Yes	Yes	Yes	Yes	Millennium Health Center
49	Central Clinic	Yes	Yes	Yes	Yes	Yes	Yes	Millennium Health Center
50	Zowi Clinic	Yes	Yes	Yes	Yes	Yes	Yes	Alamura Health Center
51	St. Gebreal	Yes	Yes	Yes	Yes	Yes	Yes	Millennium Health Center
52	Haikedar Clinic	Yes	Yes	Yes	Yes	Yes	Yes	Millennium Health Center

The owner of one of the assessed private health facilities (Zowi Medium Clinic), who is a medical doctor specializing in infectious diseases, said that although privatization is one of the FMOH strategies to expand the population's access the public health services, in reality the private health facilities are outside of the national health system. In addition, the perception and belief of the government health workers are that private health workers are focused on making a profit and therefore they are skeptical about the major aim of private health providers. The private health facility owner was very pleased to start a program like PHSP's in his facility and believes that this process and partnership will help to solve the problem.

4.1.6 LIMITATIONS

The assessment team encountered the following limitations:

- Absence of some health facility owners on the date of the assessment, which made it difficult to determine their commitment, especially in Arbaminch town.
- Difficulty of getting appropriate data from some private facilities, hence some records were incomplete.
- Because malaria is a seasonal illness, the cases vary from current week to previous week in the same clinic; we assessed the current week's data so the caseload may not show the actual clinic performance.
- Difficulty in getting the exact number of patients taking antimalarial drugs (presumptive malaria cases). Sometimes, patients go directly to the laboratory and blood film is done without visiting the outpatient department so the number of malaria cases in some facilities is lower than those who receive laboratory service.

4.1.7 CONCLUSIONS AND RECOMMENDATIONS

As a result of this facility readiness assessment, PHSP selected 21 of the 52 surveyed facilities to participate in malaria partnerships. Eleven were PPM DOTS/family planning facilities and 10 were new facilities. Five were lower clinics, three were higher clinics, and 13 were medium clinics. Seven other facilities were listed as alternates to replace any facilities that failed to comply with program rules (and were therefore asked to leave the program) or that dropped out. Table 7 shows the score and rating used to select the 21 facilities.

Almost all private health facilities and drug outlets showed their willingness and commitment to shoulder the responsibility for providing standard malaria services at an affordable cost.

TABLE 7: PRIVATE HEALTH FACILITIES SELECTED FOR MALARIA SERVICES, SNNP, JANUARY 2012

#	Name of Facility	Level of Facility	Town	Integration with other PPM score	Rate Out of One	Human Resource Score	Rate Out of Six	Infrastructure Score	Rate Out of Five	Caseload Score	Caseload rate Out of Six	Willingness & Commitment Score	Willingness & Commitment Rate Out of Six	Total Out of 24	Remark
1	Dr. Muluneh Clinic	Higher	Dilla	yes	1	10	6	4	4	280	6	5	5	22	Selected
2	Selam Clinic	Higher	Dilla	yes	1	7	4	4	4	280	6	6	6	21	Selected
3	Hiwot Clinic	Higher	Hossana		0	9	5	4	4	70	4	6	6	19	Selected
4	Amanuel Clinic	Medium	Wolketie	yes	1	5	3	4	4	280	6	6	6	20	Selected
5	Dr. Muluken Clinic	Medium	W/Soddo	yes	1	7	4	4	4	184	5	6	6	20	Selected
6	Heikema Clinic	Medium	Dilla	yes	1	8	5	4	4	210	5	5	5	20	Selected
7	Negash Clinic	Medium	Dilla		0	7	4	4	4	140	5	6	6	19	Selected
8	Myomybrother Clinic	Medium	Hossana		0	8	5	4	4	125	4	6	6	19	Selected
9	Enyate Clinic	Medium	W/Soddo	yes	1	7	4	4	4	105	4	6	6	19	Selected
10	Beteseb Clinic	Medium	Wolketie	yes	1	4	2	4	4	260	5	6	6	18	Selected
11	Beza Clinic	Medium	Hossana		0	5	3	4	4	128	5	6	6	18	Selected
12	St. Gebreal	Medium	Hawassa	yes	1	4	2	4	4	175	5	6	6	18	Selected
13	Abaya Clinic	Medium	A/minch	yes	1	6	3	4	4	75	4	6	6	18	Selected
14	Fistum Clinic	Medium	Dilla	yes	1	7	4	4	4	70	4	5	5	18	Selected
15	Haikedar Clinic	Medium	Hawassa	yes	1	7	4	4	4	35	3	6	6	18	Selected
16	Semer Clinic	Medium	Worabe		0	4	2	4	4	210	5	6	6	17	Selected
17	Yofetahi Clinic	Lower	Halaba		0	2	1	4	4	154	5	6	6	16	Selected
18	Kora Clinic	Lower	Dilla		0	4	2	4	4	78	4	5	5	15	Selected
19	Minase Clinic	Lower	W/Soddo		0	3	2	4	4	35	3	6	6	15	Selected
20	Nechesar Clinic	Lower	A/minch		0	3	2	4	4	57	3	6	6	15	Selected
21	Teshome Clinic	Lower	W/Soddo		0	2	1	4	4	49	3	6	6	14	Selected
22	Tikurwuha	Higher	Hawassa	yes	1	7	4	4	4	70	4	6	6	19	R1
23	Selihom Clinic	Higher	W/Soddo		0	10	6	4	4	42	3	6	6	19	R2
24	Asher	Hospital	Hawassa	yes	1	25	6	4	4	105	4	6	6	21	R1
25	Selam Clinic	Medium	Hossana		0	5	3	4	4	70	4	6	6	17	R2
26	Bushura Clinic	Lower	Butajira		0	3	2	4	4	15	2	6	6	14	R1
27	Beniadem Clinic	Lower	Butajira		0	2	1	4	4	20	2	6	6	13	R2

TABLE 8. LIST OF DRUG VENDOR/STORE/PHARMACY ASSESSED, SNNP, JANUARY 2012

S/N	Name of Facility	Drug Vendor/Store/Pharmacy (level, town, name, position and address of contact persons)				
		Level	Town	Name of Contact Person	Telephone (address) of contact person(s)	
					Cell phone	Landline (clinic)
1	Eleshadaye	Drug store	A/minch	Belay Dagnaw	911687574	468850016
2	Loha	Drug store	Halaba	Dagno Berhie	912406110	-
3	Abay	Drug store	Halaba	Tamirat Marcose	916836888	-
4	Kulfo	Drug store	A/minch	Andinet Asefa	913356781	468850186
5	Kuleto	Drug store	Halaba	Bezabeh Marcos	911942594	465560769
6	Lantebeteseb	Drug store	A/minch	Aschalew Mengistu	911081357	488810768
7	Asher pharmacy	Pharmacy	Hawassa	Bezalem Dawit	911383895	-
8	Besegayetenayet	Drug store	Hossana	Teganesh Daniel	913005622	-
9	Hadiya	Drug store	Hossana	Shahilu Mindaye	911163646	465553430
10	Sirahiwote	Drug store	Hossana	Bilihatu Wolde	911979372	-
11	Marisa	Drug store	Hossana	Bezunesh Garkabo	910618733	-
12	Summer	Drug store	Worabie	Genet Sofonias	911450692	467710210
13	Betezata	Drug store	Worabie	Adare Arebo	911556738	467711149
14	My fame	Drug store	Wolketie	Assefa Bekele	911879950	113300450
15	Afia	Drug store	Wolketie	Mensure Bedewae	913001826	113300782
16	Hanan	Drug store	Wolketie	Woinishet Sherif	0926277012/ 911645956	-
17	Rans	Drug store	Wolketie	Neema Jemal	911879967	113301166
18	Getaneh	Drug Store	Butajira	Abreham Ahmed	911570841	913168316
19	Sarina	Pharmacy	Butajira	Girma Fega	910088946	-
20	Tade	Drug Store	Butajira	Tadesse Tefera	916839829	-
21	Alem	Drug Store	Butajira	Habtaminesh Adugna	916879730	-
22	Beniam	Drug Store	Hossana	Aschalew Desta	911857006	-
23	Genet	Drug Store	Hossana	Workeneh Anamo	913116651	-
24	Tikurewuha	Drug Store	Hawassa	Olana Jawo	911090744	-
25	Nechesar	Drug Store	A/minch	Haile/Atenafu	916877858	912022148
26	Afia	Drug Store	Halaba	Efa Tadesse	911801843	-
27	Selihom	Drug Store	Soddo	Woinshet Yohannes	916137108	
28	Kidus	Drug Store	Hawassa	Misrak Woldie	916827095	462200805
29	Beruktawet	Drug Store	Hawassa	Berehane W/Michael	911755557	462208969
30	Deraro	Drug Store	Hawassa	Wosenyelesh Adnew	911090082	916823651
31	Adiss	Drug Store	Hawassa	Meseret Tadesse	916048293	-
32	Getachew	Pharmacy	Hawassa	Firehiwote Edao Getachew Mekonnen	911636094	
33	Ayda	Drug Store	Butajira	BedriaFesaso	911397479	
34	Amnauel	Drug Store	Soddo	Senko Seratu	926225082	
35	Shalom	Drug Store	Soddo	Kifle Kiefe	911530144	
36	Osse	Drug Store	Soddo	Habtamu Esayas	912012519	
37	Yonas	Drug Store	Soddo	Muluken Desalegn	910857812	

S/N	Name of Facility	Drug Vendor/Store/Pharmacy (level, town, name, position and address of contact persons)				
		Level	Town	Name of Contact Person	Telephone (address) of contact person(s)	
					Cell phone	Landline (clinic)
38	Amanuel	Drug Store	Soddo	Amanuel Ganta	912120213	-
39	Kifle	Drug Store	Soddo	Bayush Sorsa	916469402	916834943
40	Soddo	Pharmacy	Soddo	Yohannese Mekiso	916832382	
41	Damot	Drug Vendor	Soddo	Birhanu Molla	911464876	-
42	Ruhe	Drug Vendor	Soddo	Ayele Gaga	916302860	-
43	Enate	Pharmacy	A/minch	Yacob Kassa	927706998	-
44	Abaya	Drug Store	A/minch	Kidest Yohannese	911086416	468815107 913164526
45	Brook	Pharmacy	Dilla	Brook	911965746	
46	Aleshemse	Drug Store	Dilla	Aleshemse	916785788	463310550
47	Robin	Drug Store	Dilla	Dame Edosa	912826897	
48	Nure	Drug Store	Dilla	Jemila Hussien	911816957	
49	Grace	Pharmacy	Dilla	Zelalem Muluneh	911191285	911074381
50	Eman	Pharmacy	Dilla	Beyansa Meressa	916828467	910114544
51	Medehanialem	Drug Vendor	Dilla	Paulose Kete	911560406	

4.2 FACILITIES ASSESSED IN TIGRAY REGION

The facility readiness assessment of the private health facilities in Tigray region was conducted from January 24, 2012, through February 7, 2012, by a team of three members (one from Tigray Regional State HB, one from Woreda Health Office or Town Health Office and one from PHSP-Ethiopia). To advocate for rational drug use and improve referral of malaria suspected cases to diagnostic facilities, PHSP assessed one pharmacy, nine drug vendors and twenty five drug stores. The following sections discuss assessment findings for the six major categories of collected data. (See Section 3.6 for list of categories.)

4.2.1 BACKGROUND INFORMATION

The team assessed 38 private clinics and 35 drug outlets in Tigray. Six of the facilities already were PHSP-supported PPM DOTs and/or family planning program sites. The remaining 32 private health facilities were new to PPM. Table 9 lists background information collected on each facility: its name and level, the name of the town in which it is located, name of a facility contact person, and telephone number. Finally, the team selected 25 facilities were selected of which five were PPM DOTs/family planning health facilities and 20 were new to PPM partnership. The level of selected health facilities were: five higher clinics, 12 medium clinics, and 7 lower clinics.

TABLE 9: FACILITY BASIC INFORMATION, TIGRAY FEBRUARY 2012

S/N	Name of Facility	Level of Health Facilities	Town/Woreda	Name of Contact Person	Cell Phone	Landline (Clinic)
1	African	Medium	Setit Humera	Tesfai Gebresilassie	914740629	344480503
2	Wolkayt	Medium	Setit Humera	Haftom Beyene	914780866	-
3	Menaharia	Higher	Setit Humera	Dr. Yoseph Technaie	911684449	-

S/N	Name of Facility	Level of Health Facilities	Town/Woreda	Name of Contact Person	Cell Phone	Landline (Clinic)
4	Rewina	Higher	Setit Humera	Yordanos Siyoum	914500065	923416672
5	Selam	Higher	Setit Humera	Teke Girmay	914741563	344481942
6	Kidiste Mariam	Lower	KaftaHumera	Tsegaye Eshetu	918774122	
7	Hiwot	Lower	KaftaHumera	Mekonen woldtinsai	91474244	
8	Selam	Medium	KaftaHumera	Tuoumay Gebremedhin	914600320	
9	May Kadra	Medium	KaftaHumera	Fissehaye Mekonen	914731573	
10	Tsiyon	Lower	KaftaHumera	Hiluf Hagos	914131113	
11	Minalu	Lower	KaftaHumera	Mesfin Abebe	910043824	
12	Kidiste Mariam	Medium	KaftaHumera	Mekonen Arefaynie	9014127385	
13	Rehiwa	Lower	KaftaHumera	Gebrelibanos Kalayou	914772932	
14	Shire	Medium	Shire Endesilassie	Dr. Mebrahatom Abreha	912424364	
15	Midre Genet	Higher	Shire Endesilassie	Dr. Amsalu Bitew	911413384	
16	Hibret	Medium	Shire Endesilassie	Awash Hadgu	91742820	
17	St. Agostina	Medium	Shire Endesilassie	Sr. Costanza	914742853	
18	Kidus Gebreal	Medium	Asged tsimbla	Berehe Maldie	914211647	
19	Kidus Gebreal	Medium	Tsegedie /Dansha	Leul G/egziabher	914770257	
20	Eleni	Medium	Sheraro	Gidey GebreMedihin	914509470	
21	Medihanialem	Lower	Sheraro	Tesfaye Gebreyesus	914131457	
22	Yordanos	Lower	Sheraro	Temesgen Tadesse	918777076	
23	Kidus Michael	Lower	Tsegedie /Dansha	Girmay G/Kiros	918465200	
24	Kidus Yared	Medium	Tsegedie /Dansha	Mebratu Kinfie	914770235	
25	Tinsaye	Lower	Tsegedie /Dansha	Biniyam wondie	918263342	
26	Kidist Arsema	Lower	Tsegedie /Dansha	Daniel G/Silassie	914022005	
27	Kidist Mariam Nebelet	Lower	Wori leke/Nebelet	Areaya Wolde hawariat	914019093	
28	Alitena catholic Mission	Medium	Irop/Alitena	Teshome Menkir	914432257	
29	Tekeze Hydroelec. Power	Lower	Tanqua Abergelle	Admassu Tehilku	912127990	
30	Waja	Lower	Raya alamata/Waja	Wuhab Rebi	911794788	
31	Raya	Lower	Alamata Town	Sharew Tawuye	914785922	
32	Dr. Kuneger	Higher	Alama town	Haregewoini Geremew	926401778	
33	Raya Alamata	Higher	Alamata Town	Dr. Tsegaye Berehane	914797500	
34	Taho	Lower	Raya Alamara	Assefa Muleta	914168828	
35	Beza	Medium	Alamata Town	Mulugeta Desmissie	913271869	
36	Rehiwa	Lower	Raya Alamata	Berehanu Haftu	920866452	
37	Raya	Lower	Raya Alamata	Abay Beyene	911091437	
38	Kidus Georgis	Lower	Raya Azebo	Molla Tesfaye	914166954	

4.2.2 STAFFING PROFILE

Table ten 10 below describes the distribution of staffing of the assessed private health facilities in Tigray Region. Only five facilities were run by MD, specialist and there were facilities with the lowest trained man power i.e. Health Assistants.

TABLE 10: FACILITY STAFFING, TIGRAY, FEBRUARY 2012

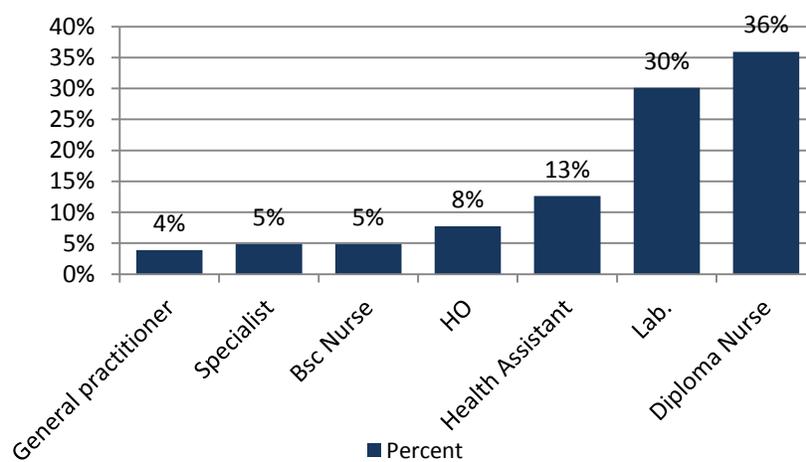
S/N	Name of Facility	Level of Facility	Town/Woreda	Specialist	General Practitioner	Health Officer	BSc Nurse	Diploma Nurse	Health Assistant	Lab.	Part timer
1	African	Medium	Setit Humera	0	0	1	0	0	1	1	1
2	Wolkayt	Medium	Setit Humera	0	1	0	0	0	0	2	2
3	Menaharia	Higher	Setit Humera	0	1	0	0	2	0	2	3
4	Rewina	Higher	Setit Humera	1	0	0	0	2	0	2	
5	Selam	Higher	Setit Humera	1	0	1	0	2	1	1	6
6	Kidiste Mariam	Lower	KaftaHumera	0	0	0	0	1	0	0	
7	Hiwot	Lower	KaftaHumera	0	0	0	0	1	0	0	
8	Selam	Medium	KaftaHumera	0	0	0	1	0	0	1	
9	May Kadra	Medium	KaftaHumera	0	0	0	0	0	0	1	2
10	Tsiyon	Lower	KaftaHumera	0	0	0	0	0	1	0	
11	Minalu	Lower	KaftaHumera	0	0	0	0	1	0	0	
12	Kidiste Mariam	Medium	KaftaHumera	0	0	1	0	1	0	1	
13	Rehiwa	Lower	KaftaHumera	0	0	0	0	1	0	0	
14	Shire	Medium	Shire Endesilassie	0	1	0	0	0	0	1	3
15	Midre Genet	Higher	Shire Endesilassie	1	1	0	1	3	0	3	
16	Hibret	Medium	Shire Endesilassie	0	0	0	1	0	0	1	2
17	St. Agostina	Medium	Shire Endesilassie	0	0	0	1	3	0	2	
18	Kidus Gebreal	Medium	Asged tsimbla	0	0	2	0	1	0	1	2
19	Kidus Gebreal	Lower	Tsegedie /Dansha	0	0	0	0	1	0	1	1
20	Eleni	Medium	Sheraro	0	0	1	0	1	0	1	1
21	Medihanialem	Lower	Sheraro	0	0	0	0	1	0	0	0
22	Yordanos	Lower	Sheraro	0	0	0	0	1	0	0	1
23	Kidus Michael	Lower	Tsegedie /Dansha	0	0	0	0	1	0	1	0
24	Kidus Yared	Medium	Tsegedie /Dansha	0	0	0	0	1	0	1	0
25	Tinsaye	Lower	Tsegedie /Dansha	0	0	0	0	1	0	1	0

S/N	Name of Facility	Level of Facility	Town/Woreda	Specialist	General Practitioner	Health Officer	BSc Nurse	Diploma Nurse	Health Assistant	Lab.	Part timer
26	Kidist Arsema	Lower	Tsegedie /Dansha	0	0	1	0	1	0	1	0
27	Kidist Mariam Nebelet	Lower	Wori leke/Nebelet	0	0	0	0	0	1	0	0
28	Alitena catholic Mission	Medium	Irop/Alitena	0	0	0	0	4	4	1	0
29	Tekeze Hydroelec. Power	Lower	Tanqua Abergelle	0	0	0	0	2	0	1	0
30	Waja	Lower	Raya alamata/Waja	0	0	0	0	0	1	0	0
31	Raya	Lower	Alamata Town	0	0	0	0	1	0	0	0
32	Dr. Kuneger	Higher	Alama town	1	0	0	0	1	0	1	0
33	Raya Alamata	Higher	Alamata Town	1	0	0	1	2	0	2	0
34	Taho	Lower	Raya Alamara	0	0	0	0	0	1	0	0
35	Beza	Medium	Alamata Town	0	0	1	0	1	0	1	1
36	Rehiwa	Lower	Raya Alamata	0	0	0	0	0	1	0	0
37	Raya	Lower	Raya Alamata	0	0	0	0	0	1	0	0
38	Kidus Georgis	Lower	Raya Azebo	0	0	0	0	0	1	0	0

Human resources play a key role in providing quality services to clients, documenting important health information, and compiling and communicating performance through formal reports. Most lower clinics have only one staff person to carry out all responsibilities. (A few lower clinics were found to have three-person or more staff as well as laboratory facilities.)

A total of 128 health professionals were working in the private clinics assessed (Figure 1): four (4 percent) general practitioners, five (5 percent) specialist physicians, five (5 percent) BSc nurses, eight (8 percent) health officers, 13 (13 percent) health assistants, 31 (30 percent) lab technicians/ technologists, and 37 (36 percent) diploma nurses. Twenty-five of the above workers are part-time employees. Each clinic has a diploma nurse.

FIGURE 1: FACILITY HUMAN RESOURCES, TIGRAY, FEBRUARY 2012.



4.2.3 INFRASTRUCTURE

All higher and medium clinics have patient waiting areas, running water, and toilets for staff and patients (Table II). Most of the lower clinics lack patient waiting areas, running water, or incinerator. No facility has BCC and information materials on malaria prevention, clinical features, and treatment in the form of posters, leaflets or audiovisual materials.

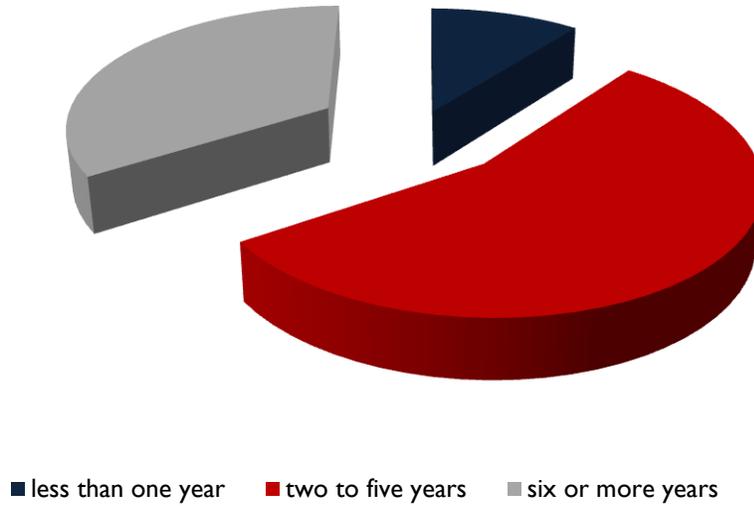
TABLE II: FACILITY INFRASTRUCTURE, TIGRAY, FEBRUARY 2012

S/N	Name of Facility	Level of Facility	Town/Woreda	Running Water	Incinerator	BCC on Malaria	Toilet for Patient & Staff	Inpatient Service (beds)	Date Established (EC)
1	African	Medium	Setit Humera	-	+	-	+	-	1997
2	Wolkayt	Medium	Setit Humera	+	+	-	+	-	1990
3	Menaharia	Higher	Setit Humera	+	+	-	+	2	2004
4	Rewina	Higher	Setit Humera	+	+	-	+	3	2001
5	Selam	Higher	Setit Humera	+	+	-	+	2	2001
6	Kidiste Mariam	Lower	KaftaHumera	-	+	-	+	0	2003
7	Hiwot	Lower	KaftaHumera	-	+	-	+	0	2000
8	Selam	Medium	KaftaHumera	-	+	-	+	0	2002
9	May Kadra	Medium	KaftaHumera	+	+	-	+	4	2001
10	Tsiyon	Lower	KaftaHumera	-	+	-	+	0	2002
11	Minalu	Lower	KaftaHumera	-	+	-	+	0	
12	Kidiste Mariam	Medium	KaftaHumera	+	+	-	+	0	2001

S/N	Name of Facility	Level of Facility	Town/Woreda	Running Water	Incinerator	BCC on Malaria	Toilet for Patient & Staff	Inpatient Service (beds)	Date Established (EC)
13	Rehiwa	Lower	KaftaHumera	-	+	-	+	-	1997
14	Shire	Medium	Shire Endesilassie	+	+	-	+	-	1999
15	Midre Genet	Higher	Shire Endesilassie	+	+	-	+	3	2001
16	Hibret	Medium	Shire Endesilassie	+	+	-	+	1	1997
17	St. Agostina	Medium	Shire Endesilassie	+	+	-	+	-	2006
18	Kidus Gebreal	Medium	Asged tsimbla	+	+	-	+	1	2003
19	Kidus Gebreal	Medium	Tsegedie /Dansha	+	+	-	+	0	2001
20	Eleni	Medium	Sheraro	+	+	-	+	2	2004
21	Medihanialem	Lower	Sheraro	+	+	-	+	0	2002
22	Yordanos	Lower	Sheraro	+	+	-	+	0	2002
23	Kidus Michael	Lower	Tsegedie /Dansha	+	+	-	+	0	1995
24	Kidus Yared	Medium	Tsegedie /Dansha	+	+	-	+	0	2001
25	Tinsaye	Lower	Tsegedie /Dansha	+	+	-	+	0	
26	Kidist Arsema	Lower	Tsegedie /Dansha	+	+	-	+	0	2003
27	Kidist Mariam Nebelet	Lower	Wori leke/Nebelet	+	-	-	+	0	1996
28	Alitena catholic Mission	Medium	Irop/Alitena	+	+	-	+	2	1968
29	Tekeze Hydro ele power	Lower	Tanqua Abergelle	+	-	-	+	0	1999
30	Waja	Lower	Raya alamata/Waja	+	-	-	+	0	1998
31	Raya	Lower	Alamata Town	+	-	-	+	0	1995
32	Dr. Kuneger	Higher	Alama town	+	-	-	+	6	2002
33	Raya Alamata	Higher	Alamata Town	+	-	-	+	4	2003
34	Taho	Lower	Raya Alamara	+	-	-	+	0	2001
35	Beza	Medium	Alamata Town	+	-	-	+	4	2003
36	Rehiwa	Lower	Raya Alamata	-	-	-	+	0	2001
37	Raya	Lower	Raya Alamata	-	-	-	+	0	1999
38	Kidus Georgis	Lower	Raya Azebo	-	-	-	+	0	1996

A little more than 50 percent of the assessed facilities had been operational for two to five years, 10 percent had served the community for less than one year, and 34.5 percent of the facilities served the community for six or more years (Figure 2).

FIGURE 2: YEARS OF FACILITY SERVICE DELIVERY, TIGRAY, FEBRUARY 2012



Three facility laboratories, two Catholic mission clinics and Tekeze Hydroelectric Power Clinic, were found to have better equipment (Table 12). However, most of the facilities do have a functional microscope. Most also use giemsa stain to diagnose malaria. A small number use RDT to diagnose malaria. Few have a slide box for EQA.

TABLE 12: FACILITY LABORATORY EQUIPMENT, TIGRAY, FEBRUARY 2012

S/N	Name of Facility	Level of Facility	Town/ Woreda	Functional Microscope	Sharp-Proof Dust Bin	Slide Tray	Staining jar (big)	Staining Rack	Glass Beads	Slide Box of 100	Lens Tissue paper	Brown Bottle(2l)	Filter Paper	Funnel	Measuring Cylinder	Bunsen Burner	Truport Sprayer	Lamp Gas	Forceps	Digital Timer	Tally Counter	Stock	Wright Stain	RDT
1	African	Medium	Setit Humera	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	-
2	Wolkayt	Medium	Setit Humera	+	-	-	-	-	-	+	-	-	-	-	-	-	-	-	+	+	-	+	+	-
3	Menaharia	Higher	Setit Humera	+	-	-	+	+	-	-	-	-	-	-	-	-	-	-	+	-	-	+	+	-
4	Rewina	Higher	Setit Humera	+	+	-	+	-	-	-	-	-	-	-	-	-	-	-	+	-	-	+	-	-
5	Selam	Higher	Setit Humera	+	-	+	-	+	-	-	-	-	-	-	-	-	-	-	+	+	-	+	+	-
6	Kidiste Mariam	Lower	KaftaHumera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	Hiwot	Lower	KaftaHumera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	Selam	Medium	KaftaHumera	+	-	-	-	+	-	-	-	-	-	-	-	-	-	-	+	-	-	+	-	-
9	May Kadra	Medium	KaftaHumera	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	-	+	-	-
10	Tsiyon	Lower	KaftaHumera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	Minalu	Lower	KaftaHumera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	Kidiste Mariam	Medium	KaftaHumera	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	-	+	-	-
13	Rehiwa	Lower	KaftaHumera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	Shire	Medium	Shire Endesilassie	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	+	-	-	+	-	-
15	Midre Genet	Higher	Shire Endesilassie	+	+	-	-	+	-	-	-	-	-	-	-	-	-	-	+	-	-	+	+	-
16	Hibret	Medium	Shire Endesilassie	+	+	-	+	+	-	-	-	-	-	-	-	-	-	-	+	+	+	-	+	-
17	St. Agostina	Medium	Shire Endesilassie	+	+	-	+	+	-	+	-	-	-	-	+	-	-	-	+	+	+	+	+	-
18	Kidus Gebreal	Medium	Asged tsimbla	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	+	+	+	-	-
19	Kidus Gebreal	Medium	Tsegedie /Dansha	+	-	-	-	+	-	-	-	-	-	-	-	-	-	-	+	+	+	+	-	-
20	Eleni	Medium	Sheraro	+	+	-	-	+	-	-	-	-	-	-	-	-	-	-	+	+	+	+	-	-
21	Medihanialem	Lower	Sheraro	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	Yordanos	Lower	Sheraro	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	Kidus Michael	Lower	Tsegedie /Dansha	+	-	-	-	+	-	-	-	-	-	-	-	-	-	-	+	-	-	+	+	-
24	Kidus Yared	Medium	Tsegedie /Dansha	+	-	-	-	+	-	-	-	-	-	-	-	-	-	-	+	-	-	+	-	-
25	Tinsaye	Lower	Tsegedie /Dansha	+	-	-	-	+	-	-	-	-	-	-	-	-	-	-	+	-	-	+	-	-
26	Kidist Arsema	Lower	Tsegedie /Dansha	+	-	+	-	+	-	-	-	-	-	-	-	-	-	-	+	+	-	+	-	-

S/N	Name of Facility	Level of Facility	Town/Woreda	Functional Microscope	Sharp-Proof Dust Bin	Slide Tray	Staining jar (big)	Staining Rack	Glass Beads	Slide Box of 100	Lens Tissue paper	Brown Bottle(2l)	Filter Paper	Funnel	Measuring Cylinder	Bunsen Burner	Water Sprinkler	Lamp Gas	Forceps	Digital Timer	Tally Counter	Stock	Wright Stain	RDT
27	Kidist Mariam Nebelet	Lower	Wori leke/Nebelet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	Alitena catholic Mission	Medium	Irop/Alitena	+	+	-	+	+	-	+	-	-	-	-	+	-	-	+	+	+	+	+	+	+
29	Tekeze Hydro ele power	Lower	Tanqua Abergelle	+	+	-	+	+	-	+	-	-	-	-	+	-	-	+	+	+	+	-	+	+
30	Waja	Lower	Raya alamata/Waja	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	Raya	Lower	Alamata Town	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
32	Dr. Kuneger	Higher	Alama town	+	-	-	-	+	-	+	-	-	-	-	+	-	-	+	-	-	+	-	-	-
33	Raya Alamata	Higher	Alamata Town	+	-	-	-	+	-	+	-	-	-	-	+	-	-	+	-	-	+	+	-	-
34	Taho	Lower	Raya Alamara	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
35	Beza	Medium	Alamata Town	+	+	-	-	+	-	+	-	-	-	-	+	-	-	+	-	-	+	-	-	-
36	Rehiwa	Lower	Raya Alamata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
37	Raya	Lower	Raya Alamata	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
38	Kidus Georgis	Lower	Raya Azebo	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

4.2.4 MALARIA CASELOAD

All assessed clinics and drug outlets provide malaria services for large segments of the population. The 38 clinics identified a total of 1,971 malaria suspected cases and managed these within a one-week period. This means that each facility managed an average of 52 cases per week, of which 1,345 patients per week underwent a thorough lab investigation to identify the malaria parasite. Four hundred six (406) patients received presumptive treatment while 704 confirmed cases of malaria received treatment over a one-week period (See table 13).

All higher clinics and medium clinics provide malaria services through both presumptive and laboratory-based diagnoses. They committed to provide services 18 to 24 hours per day. A few lower clinics diagnose malaria based on laboratory tests and RDTs. Tekeze Hydroelectric Power Clinic and Alitena Catholic Mission clinics have already established a partnership with the respective woreda health offices and have access to supplies.

The assessment found that a few health care workers are familiar with the current national case management guidelines. These are health workers who are currently providing services in both public and private for-profit facilities. Hence most of the health workers in lower clinics favor chloroquine as the magic bullet for all types of plasmodium.

TABLE 13: MALARIA SUSPECTED CAES, LAB SERVICES AND PRESUMPTIVE TREATMETN GIVEN PER WEEK INEACH FACILITY, TIGRAY, FEBRUARY 2012

S/N	Name of H.F	Level of Health Facilities	Clinical Dx and Rx of malaria cases	Lab based DX & Rx of malaria	Dx & Referral of malaria	Malaria suspected cases/week	Lab service for DX of malaria/ week	Presumptive malaria cases/ week	Confirmed malaria cases/ week
1	African	Medium	+	+	+	21	14	0	7
2	Wolkayt	Medium	+	+	+	35	35	21	14
3	Menaharia	Higher	+	+	+	35	21	0	21
4	Rewina	Higher	+	+	+	70	70	0	14
5	Selam	Higher	+	+	+	140	140	0	70
6	Kidiste Mariam	Lower	+	-	+	70	0	35	0
7	Hiwot	Lower	+	-	+	35	0	21	0
8	Selam	Medium	+	+	+	196	98	0	98
9	May Kadra	Medium	+	+	+	105	105	52	52
10	Tsiyon	Lower	+	-	+	70	0	21	0
11	Minalu	Lower	+	-	+	21	0	18	0
12	Kidiste Mariam	Medium	+	+	+	35	18	7	8
13	Rehiwa	Lower	+	-	+	52	-	34	-
14	Shire	Medium	+	+	+	42	42	0	25
15	Midre Genet	Higher	+	+	+	175	175	0	85
16	Hibret	Medium	+	+	+	15	15	0	10
17	St. Agostina	Medium	+	+	+	206	206	0	76
18	Kidus Gebreal	Medium	+	+	+	60	30	0	30
19	Kidus Gebreal	Medium	+	+	+	105	105	49	56

S/N	Name of H.F	Level of Health Facilities	Clinical Dx and Rx of malaria cases	Lab based DX & Rx of malaria	Dx & Referral of malaria	Malaria suspected cases/week	Lab service for DX of malaria/ week	Presumptive malaria cases/ week	Confirmed malaria cases/ week
20	Eleni	Medium	+	+	+	35	35	0	21
21	Medihanialem	Lower	+	-	+	10	0	10	0
22	Yordanos	Lower	+	-	+	20	14	0	14
23	Kidus Michael	Lower	+	+	+	40	40	0	15
24	Kidus Yared	Medium	+	+	+	70	49	0	30
25	Tinsaye	Lower	+	+	+	30	30	0	22
26	Kidist Arsema	Lower	+	+	+	40	40	33	7
27	Kidist Mariam Nebelet	Lower	+	-	+	20	0	10	0
28	Alitena catholic Mission	Medium	+	+	+	15	5	10	5
29	Tekeze Hydro ele power	Lower	+	+	+	2	2	0	2
30	Waja	Lower	+	-	+	9	0	9	0
31	Raya	Lower	+	-	+	21	0	21	0
32	Dr. Kuneger	Higher	+	+	+	28	20	0	5
33	Raya Alamata	Higher	+	+	+	21	21	4	10
34	Taho	Lower	+	-	+	70	0	22	0
35	Beza	Medium	+	+	+	15	15	3	7
36	Rehiwa	Lower	+	-	+	20	0	15	0
37	Raya	Lower	+	-	+	12	0	6	0
38	Kidus Georgis	Lower	+	-	+	5	0	5	0

4.2.5 FACILITY WILLINGNESS AND COMMITMENT TO PROVIDE STANDARD MALARIA SERVICES

Most facility owners/managers are willing to share social responsibility in providing malaria services at an affordable cost for the community (Table 14). One drug outlet did not want to commit time to attend the advocacy workshop on rational drug use (Table 15).

TABLE 14: FACILITY WILLINGNESS AND COMMITMENT TO PROVIDE AFFORDABLE, STANDARDIZED MALARIA SERVICES, TIGRAY, FEBRUARY 2012

S/N	Name of Facility	Town/Woreda	Ready to provide standard malaria services with affordable cost	Does facility have full-time physician (GP/HO)	Does facility send a clinician for three days training	Does facility send full-time lab technician for four days training	Does facility send full-time nurse/HA for three days training	Ready to make recording and reporting of malaria services
1	African	Setit Humera	Yes	Yes	Yes	Yes	Yes	Yes
2	Wolkayt	Setit Humera	Yes	Yes	Yes	Yes	Yes	Yes
3	Menaharia	Setit Humera	Yes	Yes	Yes	Yes	Yes	Yes
4	Rewina	Setit Humera	Yes	Yes	Yes	Yes	Yes	Yes
5	Selam	Setit Humera	yes	yes	yes	Yes	yes	Yes
6	Kidiste Mariam	KaftaHumera	yes	yes	yes	Yes	yes	Yes
7	Hiwot	KaftaHumera	yes	yes	yes	Yes	yes	Yes
8	Selam	KaftaHumera	yes	yes	yes	Yes	yes	Yes
9	May Kadra	KaftaHumera	yes	yes	yes	Yes	yes	Yes
10	Tsiyon	KaftaHumera	yes	yes	yes	Yes	yes	Yes
11	Minalu	KaftaHumera	yes	yes	yes	Yes	yes	Yes
12	Kidiste Mariam	KaftaHumera	yes	yes	yes	Yes	yes	Yes
13	Rehiwa	KaftaHumera	yes	yes	yes	Yes	yes	Yes
14	Shire	Shire Endesilassie	yes	yes	yes	Yes	yes	Yes
15	Midre Genet	Shire Endesilassie	yes	yes	yes	Yes	yes	Yes
16	Hibret	Shire Endesilassie	yes	yes	yes	Yes	yes	Yes
17	St. Agostina	Shire Endesilassie	yes	yes	yes	Yes	yes	Yes
18	Kidus Gebreal	Asged tsimbla	yes	yes	yes	Yes	yes	Yes
19	Kidus Gebreal	Tsegedie /Dansha	yes	yes	yes	Yes	yes	Yes
20	Eleni	Sheraro	yes	yes	yes	Yes	yes	Yes
21	Medihanialem	Sheraro	yes	yes	yes	Yes	yes	Yes
22	Yordanos	Sheraro	yes	yes	yes	Yes	yes	Yes
23	Kidus Michael	Tsegedie /Dansha	yes	yes	yes	Yes	yes	Yes
24	Kidus Yared	Tsegedie /Dansha	yes	yes	yes	Yes	yes	Yes
25	Tinsaye	Tsegedie /Dansha	yes	yes	yes	Yes	yes	Yes
26	Kidist Arsema	Tsegedie /Dansha	yes	yes	yes	Yes	yes	Yes
27	Kidist Mariam Nebelet	Wori leke/Nebelet	yes	yes	yes	Yes	yes	Yes
28	Alitena catholic Mission	Irop/Alitena	yes	yes	yes	Yes	yes	Yes
29	Tekeze Hydro ele power	Tanqua Abergelle	yes	yes	yes	Yes	yes	Yes
30	Waja	Raya alamata/Waja	yes	yes	yes	Yes	yes	Yes
31	Raya	Alamata Town	yes	yes	yes	Yes	yes	Yes

S/N	Name of Facility	Town/Woreda	Ready to provide standard malaria services with affordable cost	Does facility have full-time physician (GP/HO)	Does facility send a clinician for three days training	Does facility send full-time lab technician for four days training	Does facility send full-time nurse/HA for three days training	Ready to make recording and reporting of malaria services
32	Dr. Kuneger	Alama town	yes	yes	yes	Yes	yes	Yes
33	Raya Alamata	Alamata Town	yes	yes	yes	Yes	yes	Yes
34	Taho	Raya Alamara	yes	yes	yes	Yes	yes	Yes
35	Beza	Alamata Town	yes	yes	yes	Yes	yes	Yes
36	Rehiwa	Raya Alamata	yes	yes	yes	Yes	yes	Yes
37	Raya	Raya Alamata	yes	yes	yes	Yes	yes	Yes
38	Kidus Georgis	Raya Azebo	yes	yes	yes	Yes	yes	Yes

TABLE 15: DRUG OUTLETS: BASIC INFORMATION, AND WILLINGNESS AND COMMITMENT TO PARTICIPATE IN MALARIA CASE IDENTIFICATION AND RATIONAL DRUG USE, TIGRAY, FEBRUARY 2012

S/N	Name of drug outlet	Level of Drug Outlet	Town	Name of Contact Person	Cell Phone	Pharmacist	Druggist	Pharmacy Technician	Other Health workers	All Patients	Malaria Patients	Ready to Provide Standard Malaria Services	Does facility have full-time pharmacist/ druggist/ pharmacy technician/ other health worker	Does facility send the staff for one-day advocacy workshop
1	Tsegie	Drug Vendor	Setit Humera	Goitom Woldu	914159260	0	0	0	1	105	70	yes	yes	yes
2	Maylomin	Drug Vendor	KaftaHumera	Mohammed Awol	914762272	0	0	0	1	70	60	yes	yes	yes
3	Setiti	Drug Store	KaftaHumera	Dessalegn G/Medihin	914216110	0	1	0	0	21	21	yes	yes	yes
4	Alem	Drug Vendor	KaftaHumera	Gebrekiristos Woldu	91260368	0	0	0	2	21	7	yes	yes	yes
5	Central	Drug Store	KaftaHumera	Haile GebreMeskel	914098960	0	1	0	0	49	35	yes	yes	yes
6	Selam	Drug Store	KaftaHumera	Abrehaley G/Georgis	914806023	0	1	1	0	70	28	yes	yes	yes
7	Roman	Drug Vendor	KaftaHumera	Fantahun Amede	920429161	0	0	0	1	30	14	yes	yes	yes
8	Kidist Mariam	Drug Store	KaftaHumera	Melese Getachew	912906049	0	2	0	0	70	35	yes	yes	yes
9	Dawit	Drug Store	Setit Humera	Haile Berehe	91441546	0	1	0	0	105	84	yes	yes	yes
10	Kidus Gebreal	Drug Store	Setit Humera	Yordanos Siyoum	914500065	0	1	0	0	70	14	yes	yes	yes
11	Wolkayit	Drug Store	Setit Humera	Haile Hailemariam	914049617	0	1	0	0	350	70	yes	yes	yes
12	Selam	Drug Store	Setit Humera	Abduselam Nurhussien	914744456	0	1	0	0	105	5	yes	yes	yes
13	Rehiwa	Drug Vendor	Asged tsimbla	Dessalegn Kahissay	91409038	0	1	0	0	98	35	yes	yes	yes
14	Amanuel	Drug Store	Asged tsimbla	Gashaw Getu	914488680	1	0	0	1	84	5	yes	yes	yes
15	Shire	Drug Store	Shire Endesilassie	Alganesh G/Medihin	914148571	0	1	0	0	35	10	yes	yes	yes
16	Hidassie	Drug Store	Shire Endesilassie	Tesfai Rediai	910163995	1	0	0	0	140	21	yes	yes	yes
17	St. Agostina	Pharmacy	Shire Endesilassie	Sr. Costanza	914742853	0	1	0	0	206	76	yes	yes	yes
18	Gibtsit	Drug Store	Sheraro	Senay Yisahk	914042370	0	1	0	0	30	17	yes	yes	yes
19	Eyerusalem	Drug Store	Dansha	Endalkachew Tadesse	91324508	0	1	0	0	35	10	yes	yes	yes
20	Abyssinia	Drug Store	Dansha	Gebrehiwot Assefa	914770347	0	1	0	1	21	7	yes	yes	yes
21	Tinsaye	Drug Store	Dansha	Goitom Addisu	91821079	0	1	0	0	70	42	yes	yes	yes
22	Selam	Drug Store	Dansha	Wolday Girmay	913441440	0	1	0	0	100	80	yes	yes	yes
23	Wajja	Drug Vendor	Raya Alamata/Wajja	Berhane Sebhatu	910083671	0	0	0	1	50	15	yes	yes	yes
24	Hosahna	Drug Store	Alamata	Mebrihit Wolday	914785749	0	1	0	0	70	14	yes	yes	yes

S/N	Name of drug outlet	Level of Drug Outlet	Town	Name of Contact Person	Cell Phone	Pharmacist	Druggist	Pharmacy Technician	Other Health workers	All Patients	Malaria Patients	Ready to Provide Standard Malaria Services	Does facility have full-time pharmacist/ druggist/ pharmacy technician/ other health worker	Does facility send the staff for one-day advocacy workshop
25	Intrnational	Drug Store	Alamata	Berikti Teklai	914733302	0	1	1	0	200	75	yes	yes	yes
26	Sihul	Drug Vendor	Alamata	Ibrahim Mohammed	347740195	0	0	0	1	42	14	yes	yes	yes
27	Simur	Drug Store	Alamata	Solomon Melkamu	914601098	0	2	0	0	105	14	yes	yes	yes
28	Kalkidan	Drug Store	Alamata	Kale-ayou Kindeya	913853533	0	1	0	0	140	21	yes	yes	yes
29	Awot	Drug Store	Alamata	Mehari Reda	914530769	0	0	0	1	35	4	yes	yes	yes
30	Raya	Drug Store	Alamata	Mulugeta Abate	914717578	0	1	0	0	49	7	Yes	Yes	No
31	Hidassie	Drug Store	Raya Azebo/Mehoni	Tsegaye Kebede	914012372	0	1	0	0	70	14	Yes	Yes	Yes
32	Berehan	Drug Store	Raya Azebo/Mehoni	Haftu G/Kiros	914721394	0	1	0	0	50	10	Yes	Yes	Yes
33	Selam	Drug Vendor	Raya Azebo/Mehoni	Yoseph Tseyiye	914167143	0	1	0	0	140	28	Yes	Yes	Yes
34	Raya	Drug Store	Raya Azebo/Mehoni	Siyoum Gessesse	914025794	0	1	0	1	70	10	Yes	Yes	Yes
35	Betelhem	Drug Vendor	Alamata	Abreha Berehe	914725088	0	0	0	1	140	70	Yes	Yes	Yes

Reporting

Only five PPM DOTS/family planning facilities regularly report their activity to their respective health facilities or offices. The content of their report is limited to TB/HIV care services. Most of the facilities do not use a similar registration process (log book) for all services. This makes it difficult to organize, compile, and analyze overall facility performance.

Supportive Supervision

Only five PPM DOTS/ family planning facilities receive appropriate supportive supervision – coaching and mentoring of the supervisee by experienced supervisors. The supervisors consist of different professionals and level of assignment in the region. The remaining 33 private health facilities have received regular (quarterly) visits by the woreda/THO staff.

4.2.6 LIMITATIONS

There was a recall bias on estimating the average malaria caseload in a week, since the assessment team was collecting the data in low malaria transmission season.

4.2.7 CONCLUSIONS AND RECOMMENDATIONS

- Many people go to private health facilities for malaria service.
- Knowledge and practice of health workers in private facilities on malaria case diagnosis and management were inadequate.
- Almost all private health facilities indicated their willingness and commitment to take responsibility for providing standard malaria services at an affordable cost.
- The team assessed 38 clinics and 35 drug outlets, and selected 30 clinics and 34 drug outlets.
- Basic training in malaria diagnosis and treatment should be given to health workers who directly diagnose malaria in private health facilities.
- PHSP needs to ensure capacity of the lab units by providing essential supplies such as slide boxes.
- The private health facilities need to be supplied with guidelines, job aids, and recording and reporting formats to improve their performance.
- Coaching and mentoring private health care providers can improve the quality of services.
- PHSP should support the facilities that have started PPM malaria services (Tekezea and Alitena Catholic Mission Clinics).
- Orientation/sensitization of private health sector actors on malaria case management is highly recommended.

4.3 FACILITIES ASSESSED IN AMHARA REGION

The facility readiness assessment of the private health facilities in Amhara region was conducted from January 24, 2012, through February 14, 2012, by a team of three members (one from Amhara Regional State HB, one from Woreda/Town Health Office and one from PHSP-Ethiopia) in selected twenty malaria hot spot woredas of Amhara region. To advocate for rational drug use and improve referral of malaria suspected cases to diagnostic facilities, PHSP assessed 1 drug vendor, 4 pharmacies and 29 drug stores. The following sections discuss assessment findings for the six major categories of collected data. (See Section 3.6 for list of categories.)

4.3.1 BACKGROUND INFORMATION

Out of 36 surveyed clinics, 20 were selected to participate in the PPM malaria program. Thirteen of the facilities were PPM DOTS/family planning health facilities; only seven were new for PPM partnership. The level of selected health facilities were: one general hospital, six higher clinics and 13 medium clinics. Most of the owners/managers were willing to shoulder and share social responsibility to provide malaria services with an affordable cost to the community. Background information about the facilities is shown in Table 16.

TABLE 16: FACILITY BASIC INFORMATION, AMHARA, FEBRUARY 2012

S/N	Name of Facility	Level of Facility	Town/Woreda	Name of Contact Person	Cell Phone	Landline (clinic)
1	Dr. Lisanu	Medium clinic	Kolladiba	Dr. Lisanu Wosen	251920059270	-
2	Kidist Mariam	Medium clinic	Metemma	Sewnet Mehret	251918037209	-
3	Hayat CI	Medium clinic	Gendawuha	Dr. Adugna Zememe	251918789447	251583310069
4	Kidus Gebriel	Medium clinic	Libo/Yefag	Jegnie Abera	251918781992	-
5	Lideta	Medium clinic	Woreta	Dr. Bekele Haile	251918702681	251584460022
6	Dr. Sisay Endeshaw	Medium clinic	Woreta	Dr. Sisay Endeshaw	251918700458	251584460812
7	Dr. Gashaw	Medium clinic	Jawi	Dr. Gashaw Tesema	251918768304	-
8	Kidus Gebriel	Medium clinic	Jawi	Binalfew Belew	251912022295	-
9	Hayat	Medium clinic	Chagni	Muluwork Shimema	251918728819	251582250703
10	Dr Mulugeta	Medium clinic	Chagni	Dr Mulugeta Gelaw	251913443609	251582251268
11	Enat	Medium clinic	Chagni	Gedamu Wubetu	251918707491	-
12	Bekele	Higher clinic	Bure	Muluken Bekele	251911745976	251587740005
13	St George	Hospital	Bure	Dr. Wubetu Molla	251911240065	251587740025
14	Dr Melaku	Medium clinic	Finoteselam	Dr Melaku Yenieneh	251911837805	251587751787
15	Dilnesa	Medium clinic	Finoteselam	Dilnesa Wondie	251913220487	251587750728
16	Ethiopia	Medium clinic	N/Ach-Yesmala	Genetu Yihene	251918727596	-
17	Bitania	Medium clinic	Shewarobit	Kasahun Tadese	251911972606	-
18	Demise	Medium clinic	Shewarobit	Demise Gebrie	251912075130	251336640722
19	Dr. Sualih	Medium clinic	Kemise	Dr. Sualih Muhammed	251911697487	-
20	Afrah	Medium clinic	Kemise	Wasu Dubale	251923440716	-
21	Ayat	Medium clinic	Bati	Husien Mhammed	251914663864	251335530461
22	Gendede	Medium clinic	Bati	Ayalew Mengiste	251910944363	-
23	Shalom	Medium clinic	Kombolcha	Anteneh Ayalew	251911089487	251335510150
24	Eshetu	Medium clinic	Kombolcha	Eshetu Muhammed	251912145481	-
25	Hayat	Medium clinic	Kombolcha	Ahmed Adem	251913102728	251335513975
26	Mersa	Medium clinic	Mersa	Getachew Yimam	251913004073	251333330466

S/N	Name of Facility	Level of Facility	Town/Woreda	Name of Contact Person	Cell Phone	Landline (clinic)
27	Mersa Abagetiye	Higher clinic	Mersa	Tiruye Indris	251911744529	251333330037
28	Ursuline Sisters	Higher clinic	Kobo	S/r Tihesh Berhe	251913058499	251333341107
29	Dr. Abera	Medium clininc	Kobo	Dr. Abera Kebede	251911822030	-
30	Bikis	Medium clininc	B/D-TisAbay	Bikis Zerihun	251918783848	-
31	Demise	Medium clininc	Merawi	Demise Belachew	251918719626	-
32	Dr. Berhanu	Higher clinic	Durbete	Dr. Berhanu Haile	251911628871	251582230053
33	Tenaw	Medium clininc	Durbete	Tenaw Setarge	251918772424	251582230181
34	Gamby	Higher clinic	Bahir Dar	Dr. Mekonen Aychilum	251918760505	251582264303
35	Adinas	Higher clinic	Bahir Dar	Dr. Yohannes Tekleab	251911117510	251582220922
36	Alem Saga	Higher clinic	Bahir Dar	Dr. Abere Genetu	251918765654	251582209415

4.3.2 STAFFING PROFILE

Human resources play a key role in providing quality services to clients, documenting information, compiling and communicating performance through formal reports. A total of 213 full-time and 59 part-time health professionals work in the assessed private clinics/hospitals (Table 17).

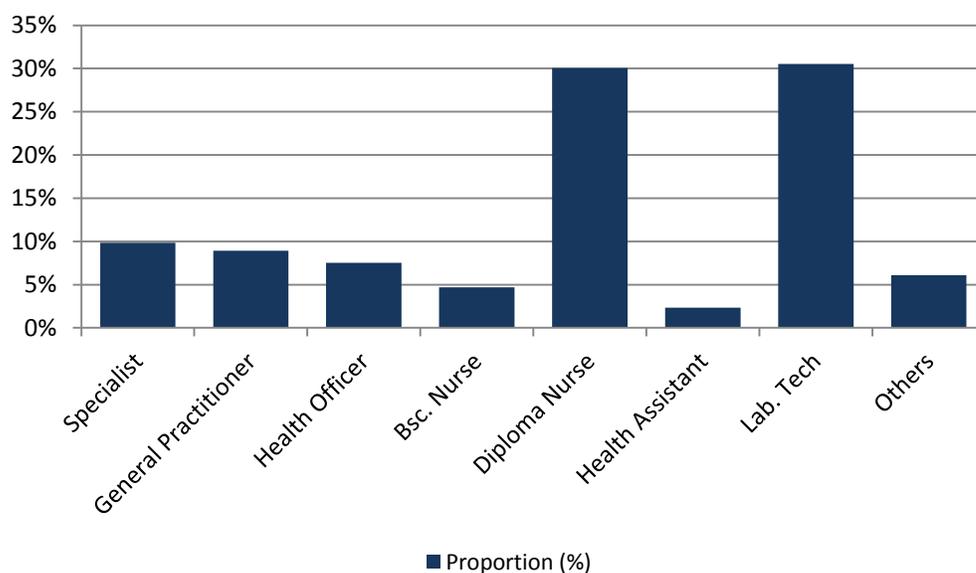
TABLE 17: FACILITY STAFFING PROFILE, AMHARA, FEBRUARY 2012

S/N	Name of Facility	Level of Facility	Town/Wo reda	Specialist	General practitioner	HO	Bsc Nurse	Diploma Nurse	Health Assistant	Lab.	Others	Part-time
1	Dr. Lisanu	Medium clininc	Kolladiba	0	1	0	0	1	0	1	0	0
2	Kidist Mariam	Medium clininc	Metemma	0	1	0	0	1	1	2	0	0
3	Hayat	Medium clininc	Gendawuha	0	1	0	1	2	0	2	0	1
4	Kidus Gebriel	Medium clininc	Libo/Yefag	0	0	1	0	0	0	1	0	0
5	Lideta	Medium clininc	Woreta	0	1	0	0	1	0	1	2	1
6	Dr. Sisay Endeshaw	Medium clininc	Woreta	0	1	0	0	1	1	1	0	2
7	Dr. Gashaw	Medium clininc	Jawi	0	1	0	0	2	0	1	0	0
8	Kidus Gebriel	Medium clininc	Jawi	0	0	1	0	0	0	1	0	0
9	Hayat	Medium clininc	Chagni	0	1	1	0	1	0	3	0	2
10	Dr Mulugeta	Medium clininc	Chagni	0	1	0	0	2	0	2	0	1
11	Enat	Medium clininc	Chagni	0	0	1	0	0	1	1	0	0
12	Bekele	Higher clinic	Bure	1	2	0	3	0	0	2	2	3
13	St George	Hospital	Bure	4	0	0	0	8	0	3	3	3
14	Dr Melaku	Medium clininc	Finoteselam	0	1	0	0	2	0	2	0	0
15	Dilnesa	Medium clininc	Finoteselam	0	0	1	1	1	0	1	0	3
16	Ethiopia	Medium clininc	N/Ach-Yesmala	0	0	0	1	0	0	1	0	0
17	Bitania	Medium clininc	Shewarobit	0	0	2	0	1	0	1	0	0
18	Demise	Medium clininc	Shewarobit	0	0	1	0	1	0	2	0	0
19	Dr. Sualih	Medium clininc	Kemise	0	1	1	0	1	0	1	0	0
20	Afrah	Medium clininc	Kemise	0	0	1	0	1	0	1	0	0

S/N	Name of Facility	Level of Facility	Town/Woreda	Specialist	General practitioner	HO	Bsc Nurse	Diploma Nurse	Health Assistant	Lab.	Others	Part-time
21	Ayat	Medium clinic	Bati	0	0	1	0	0	1	1	0	0
22	Gendede	Medium clinic	Bati	0	0	0	1	1	0	1	0	2
23	Shalom	Medium clinic	Kombolcha	0	0	1	0	1	1	2	0	2
24	Eshetu	Medium clinic	Kombolcha	0	0	1	0	2	0	1	0	0
25	Hayat	Medium clinic	Kombolcha	0	1	1	0	2	0	2	0	2
26	Mersa	Medium clinic	Mersa	0	1	0	1	1	0	1	0	0
27	Mersa Abagetiye	Higher clinic	Mersa	0	0	0	1	0	0	1	0	0
28	Ursuline Sisters	Higher clinic	Kobo	0	1	0	0	3	0	2	1	0
29	Dr. Abera	Medium clinic	Kobo	0	1	0	0	1	0	1	0	1
30	Bikis	Medium clinic	B/D-TisAbay	0	0	0	1	0	0	1	0	1
31	Demise	Medium clinic	Merawi	0	0	1	0	1	0	1	0	0
32	Dr. Berhanu	Higher clinic	Durbete	0	1	0	0	2	0	2	0	1
33	Tenaw	Medium clinic	Durbete	0	0	1	0	1	0	1	0	0
34	Gamby	Higher clinic	Bahir Dar	10	2	0	0	16	0	11	2	13
35	Adinas	Higher clinic	Bahir Dar	3	0	0	0	3	0	3	1	11
36	Alem Saga	Higher clinic	Bahir Dar	3	0	0	0	4	0	4	2	10

As seen in Figure 3, the proportions of full-time professional health workers are: 21 (10 percent) specialist physicians, 19 (9 percent) general practitioners, 10 (5 percent) BSc nurses, 16 (8 percent) health officers, five (2 percent) health assistants, 65 (31 percent) laboratory technicians/technologists, and 64 (30 percent) diploma nurses. “Others” numbered 13 (6 percent). On average, each clinic has a diploma nurse.

FIGURE 3: FACILITY STAFFING, AMHARA , FEBRUARY 2012



The assessment found that most health workers are not familiar with the current national case management guideline.

4.3.3 INFRASTRUCTURE

All higher and medium clinics have a patient waiting area, running water, and toilets for staff and patients (Table 18). All facilities except one do not have information or BCC materials (posters, leaflets, or audiovisual materials) on malaria prevention, clinical features, and treatment. Most facilities have other health-related information and BCC materials in their clinics.

TABLE 18: FACILITY INFRASTRUCTURE, AMHARA, FEBRUARY 2012

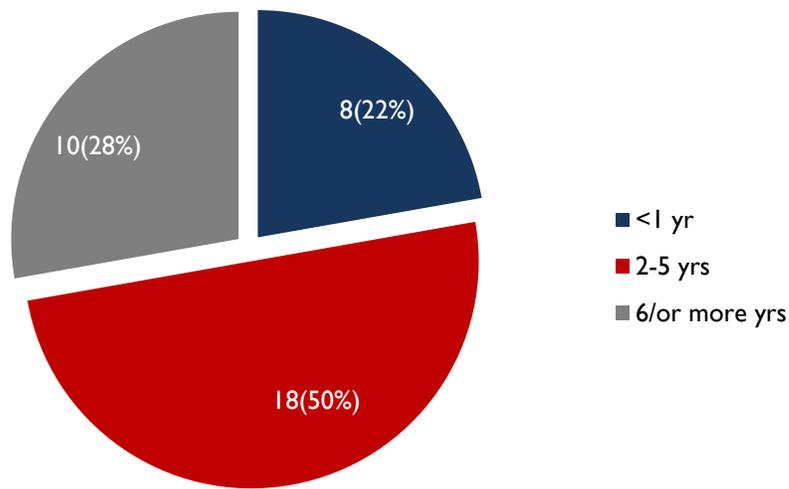
S/N	Name of Facility	Level of Facility	Town	Inpatient beds	Patient Waiting Area	TV/Video in Waiting Area	BCC Materials	Running Water	Toilet for Patient	Separate Toilet for Staff	Incinerator
1	Dr. Lisanu	Medium clinic	Kolladiba	2	+	+	-	+	+	-	+
2	Kidist Mariam	Medium clinic	Metemma	3	+	-	-	+	+	-	-
3	Hayat CI	Medium clinic	Gendawuha	10	+	+	+	+	+	+	+
4	Kidus Gebriel	Medium clinic	Libo/Yefag	0	+	-	-	-	+	-	-
5	Lideta	Medium clinic	Woreta	5	+	-	+	+	+	+	-
6	Dr. Sisay Endeshaw	Medium clinic	Woreta	2	+	+	+	+	+	+	+
7	Dr. Gashaw	Medium clinic	Jawi	4	+	+	-	-	+	-	+
8	Kidus Gebriel	Medium clinic	Jawi	2	+	+	+	-	+	+	+
9	Hayat	Medium clinic	Chagni	5	+	+	+	+	+	+	+
10	Dr Mulugeta	Medium clinic	Chagni	8	+	+	-	+	+	-	+
11	Enat	Medium clinic	Chagni	5	+	+	+	+	+	-	+
12	Bekele	Higher clinic	Bure	10	+	+	+	+	+	+	+
13	St George	Hospital	Bure	27	+	+	+	+	+	+	+
14	Dr Melaku	Medium clinic	Finoteselam	3	+	+	+	+	+	-	+
15	Dilnesa	Medium clinic	Finoteselam	4	+	+	+	+	+	+	+
16	Ethiopia	Medium clinic	N/Ach-Yesmala	1	+	-	+	-	+	-	+
17	Bitania	Medium clinic	Shewarobit	1	+	+	+	+	+	+	+
18	Demise	Medium clinic	Shewarobit	2	+	-	+	+	+	+	+
19	Dr. Sualih	Medium clinic	Kemise	3	+	+	+	+	+	+	+
20	Afrah	Medium clinic	Kemise	1	+	-	+	+	+	-	+
21	Ayat	Medium clinic	Bati	1	+	+	+	+	+	-	+
22	Gendedeyu	Medium clinic	Bati	1	+	+	+	-	+	-	+
23	Shalom	Medium clinic	Kombolcha	2	+	+	+	+	+	+	+
24	Eshetu	Medium clinic	Kombolcha	-	+	+	+	+	+	+	+
25	Hayat	Medium clinic	Kombolcha	2	+	+	+	+	+	+	+
26	Mersa	Medium clinic	Mersa	2	+	+	+	+	+	-	-
27	Mersa Abagetiye	Higher clinic	Mersa	3	+	+	+	+	+	+	-
28	Ursuline Sisters	Higher clinic	Kobo	24	+	+	+	+	+	+	+
29	Dr. Abera	Medium clinic	Kobo	5	+	+	+	+	+	+	+
30	Bikis	Medium clinic	B/D-TisAbay	1	+	+	+	+	+	-	+
31	Demise	Medium clinic	Merawi	1	+	-	+	+	+	+	-
32	Dr. Berhanu	Higher clinic	Durbete	4	+	+	+	+	+	+	+
33	Tenaw	Medium clinic	Durbete	2	+	+	+	+	+	-	+
34	Gamby	Higher clinic	Bahir Dar	88	+	+	+	+	+	+	+
35	Adinas	Higher clinic	Bahir Dar	5	+	+	+	+	+	+	+

S/N	Name of Facility	Level of Facility	Town	Inpatient beds	Patient Waiting Area	TV/Video in Waiting Area	BCC Materials	Running Water	Toilet for Patient	Separate Toilet for Staff	Incinerator
36	Alem Saga	Higher clinic	Bahir Dar	5	+	+	+	+	+	+	+

NB: + =Service available _=Service not available

Fifty percent of the assessed facilities were operational for two to five years, 22 percent of the facilities have served the community for less than one year, and 28 percent of the facilities have served the community for six or more years (Figure 4).

FIGURE 4: YEARS OF FACILITY SERVICE DELIVERY, AMHARA, FEBRUARY 2012



All laboratories are equipped with a functional electrical microscope (Table 19). All the facilities used giemsa stain to diagnose malaria, while only one of the assessed facilities uses RDT to diagnose malaria. Seventeen have a slide box with 100 slides.

TABLE 19: FACILITY LABORATORY EQUIPMENT FOR MALARIA SERVICES, AMHARA, FEBRUARY 2012

S/N	Name of Facility	Level of Facility	Town	Functional Microscope (binocular)	Dust Bin - Puncture Proof	Slide Tray	Staining jar(big)	Staining Rack	Glass Beads	Slide Storage Box of 100 Slides	Lense Paper in pk	Brown Bottle of 2Lts	Filter Paper	Funnel	Measuring Cylinder	Sprits Lamp (bunsen burner)	Fuel for Sprits Lamp(gas cylinder)	Forceps	Digital Timer	Talley Counter	Giemsa Stain	Wright's Stain	RDT	
1	Dr. Lisanu Clinic	Medium	Kolladiba	+	-	-	-	+	-	-	-	-	-	-	-	-	-	+	-	+	+	+	-	
2	Kidist Mariam Clinic	Medium	Metemma	+	+	-	-	+	-	+	-	-	+	+	+	+	+	+	+	+	+	+	+	-
3	Hayat Clinic	Medium	Gendawuha	+	-	-	-	+	-	+	-	-	+	-	-	-	-	+	-	-	+	+	+	-
4	Kidus Gebriel Clinic	Medium	Libo/Yefag	+	-	-	-	+	-	-	-	-	-	-	-	-	-	+	-	-	+	-	-	-
5	Lideta Clinic	Medium	Woreta	+	-	+	-	+	-	+	+	-	-	-	-	-	-	+	-	+	+	-	-	-
6	Dr. Sisay Endeshaw Clinic	Medium	Woreta	+	+	-	-	+	-	+	-	-	-	-	-	+	-	+	+	-	+	-	-	-
7	Dr. Gashaw Clinic	Medium	Jawi	+	-	-	-	+	-	-	-	-	-	-	-	-	-	+	-	-	+	-	-	-
8	Kidus Gebriel Clinic	Medium	Jawi	+	+	-	-	+	-	-	-	-	-	-	-	-	-	-	-	-	+	-	-	-
9	Hayat Clinic	Medium	Chagni	+	+	-	+	+	-	+	-	-	+	+	-	+	-	+	+	-	+	+	+	-
10	Dr Mulugeta Clinic	Medium	Chagni	+	+	-	+	+	-	-	+	-	+	-	-	+	-	+	+	-	+	+	+	-
11	Enat Clinic	Medium	Chagni	+	-	-	+	+	-	-	-	-	-	-	-	-	-	+	-	-	+	-	-	-
12	Bekele Clinic	Higher	Bure	+	+	-	+	+	-	-	-	-	-	-	-	+	-	+	+	+	+	+	-	-
13	St George Hospital	Hospital	Bure	+	+	-	+	+	-	+	+	-	+	+	-	-	-	+	-	+	+	+	+	-
14	Dr Melaku Clinic	Medium	Finoteselam	+	+	-	-	+	-	+	+	-	-	-	-	-	-	+	-	+	+	+	+	-
15	Dilnesa Clinic	Medium	Finoteselam	+	-	-	-	+	-	-	-	-	-	-	-	-	-	+	+	-	+	-	-	-
16	Ethiopia Clinic	Medium	N/Ach-Yesmala	+	+	-	-	+	-	-	-	-	-	-	-	+	-	+	-	-	+	-	-	-
17	Bitania Clinic	Medium	Shewarobit	+	+	-	+	+	-	-	-	-	-	-	-	-	-	+	+	-	+	-	-	-
18	Demise Clinic	Medium	Shewarobit	+	-	-	-	+	-	-	-	-	-	-	-	-	-	+	+	-	+	-	-	-
19	Dr. Sualih Clinic	Medium	Kemise	+	+	-	+	+	-	+	-	-	-	-	-	-	-	+	+	-	+	-	-	-
20	Afrah Clinic	Medium	Kemise	+	+	-	+	+	-	-	-	-	-	-	-	-	-	+	-	+	+	-	-	-
21	Ayat Clinic	Medium	Bati	+	-	-	-	+	-	-	-	-	-	-	-	+	-	+	-	-	+	+	-	-
22	Gendedeyu Clinic	Medium	Bati	+	-	-	+	+	-	-	-	-	-	-	-	-	-	+	+	-	+	-	-	-
23	Shalom Clinic	Medium	Kombolcha	+	+	-	-	+	-	+	+	-	-	-	+	-	-	+	-	+	+	+	+	-
24	Eshetu Clinic	Medium	Kombolcha	+	+	+	-	+	-	-	-	-	-	-	-	+	-	+	-	+	+	+	+	+

S/N	Name of health facility	Level	Town	Functional microscope (binocular)	puncture	Slide tray	Staining jar(big)	Staining rack	Glassbeads	Slide storage box of 100 slides	Lense paper in pk	Brown bottle of 2Lts	Filter paper	Funnel	Measuring cylinder	Sprits lamp (bunsen burner)	Fuel for sprits Lamp(gas cylinder)	Forceps	Digital timer	Talley counter	Giemsa stain	Wright's stain	RDT
25	Hayat Clinic	Medium	Kombolcha	+	+	-	-	+	-	+	+	-	+	-	-	-	-	+	-	-	+	-	-
26	Mersa Clinnic	Medium	Mersa	+	+	-	-	+	-	+	-	-	-	-	-	-	-	+	-	-	+	-	-
27	Mersa Abagetiye Clinic	Medium	Mersa	+	-	-	-	+	-	-	-	-	-	-	-	+	-	-	-	-	+	-	-
28	Ursuline Sisters	Higher Clinic	Kobo	+	+	-	-	+	-	+	-	-	-	+	+	-	-	+	+	+	+	+	-
29	Dr. Abera Clinic	Medium	Kobo	+	-	-	-	+	-	+	-	-	-	-	-	-	-	+	+	-	+	-	-
30	Bikis Clinic	Medium	B/D-TisAbay	+	+	-	-	+	-	-	-	-	-	-	-	-	-	+	-	+	+	+	-
31	Demise Clinic	Medium	Merawi	+	-	-	-	+	-	-	-	-	-	-	-	+	-	+	+	+	+	-	-
32	Dr. Berhanu Clinic	Higher Clinic	Durbete	+	+	-	-	+	-	+	-	-	+	-	-	-	-	+	+	+	+	+	-
33	Tenaw Clinic	Medium	Durbete	+	+	-	-	+	-	+	+	-	-	-	+	-	-	+	-	-	+	-	-
34	Gamby clinic	Higher	Bahir Dar	+	+	-	-	+	-	+	-	-	-	+	+	-	-	+	+	+	+	+	-
35	Adinas Clinic	Higher	Bahir Dar	+	+	-	-	+	-	-	-	-	-	-	-	-	-	+	+	-	+	+	-
36	Alem Saga	Higher	Bahir Dar	+	+	-	-	+	-	+	+	-	+	+	-	+	-	+	+	+	+	+	-

4.3.4 MALARIA CASELOAD

All assessed clinics and drug outlets provide malaria services for large segments of the population. The 36 clinics identified 8,690 malaria suspected cases, which they managed in the month of December 2011. This means that each facility manages an average of 241 cases per month, of which 7,606 patients per month underwent thorough lab investigation to identify the malaria parasite. 1,507 patients received treatment after a positive confirmation result (Table 20).

TABLE 20: FACILITY SERVICES PROVIDED, AMHARA, FEBRUARY 2012

S/N	Name of Facility	Level	Town	Presumptive /Clinical Dx & Rx of Malaria	Lab Based Dx & Rx of Malaria	Malaria Susp. Case Exam	No of Lab Service for Malaria	Presumptive Malaria Cases	No of Confirmed Malaria Cases
1	Dr. Lisanu	Medium clinic	Kolladiba	+	+	9	-	0	-
2	Kidist Mariam	Medium clinic	Metemma	+	+	142	152	0	142
3	Hayat Cl	Medium clinic	Gendawuha	+	+	450	-	0	-
4	Kidus Gebriel	Medium clinic	Libo/Yefag	+	+	90	-	0	-
5	Lideta	Medium clinic	Woreta	+	+	90	-	0	-
6	Dr. Sisay Endeshaw	Medium clinic	Woreta	+	+	62	62	0	5
7	Dr. Gashaw	Medium clinic	Jawi	+	+	396	396	0	94
8	Kidus Gebriel	Medium clinic	Jawi	+	+	150	-	0	-
9	Hayat	Medium clinic	Chagni	+	+	998	998	0	134
10	Dr Mulugeta	Medium clinic	Chagni	-	+	1186	1186	0	126
11	Enat	Medium clinic	Chagni	-	+	421	421	0	93
12	Bekele	Higher clinic	Bure	+	+	457	457	0	117
13	St George	Hospital	Bure	+	+	458	458	0	87
14	Dr Melaku	Medium clinic	Finoteselam	+	+	244	244	0	217
15	Dilnesa	Medium clinic	Finoteselam	+	+	121	63	0	13
16	Ethiopia	Medium clinic	N/Ach-Yesmala	+	+	40	-	0	-
17	Bitania	Medium clinic	Shewarobit	+	+	206	206	0	164
18	Demise	Medium clinic	Shewarobit	+	+	321	321	0	21
19	Dr. Sualih	Medium clinic	Kemise	+	+	90	-	0	-
20	Afrah	Medium clinic	Kemise	+	+	76	76	0	24
21	Ayat	Medium clinic	Bati	+	+	57	20	0	8
22	Gendedeyu	Medium clinic	Bati	+	+	48	36	0	4
23	Shalom	Medium clinic	Kombolcha	+	+	112	112	0	28
24	Eshetu	Medium clinic	Kombolcha	+	+	91	91	0	21
25	Hayat	Medium clinic	Kombolcha	+	+	228	228	0	15
26	Mersa	Medium clinic	Mersa	+	+	38	36	0	20
27	Mersa Abageyiye	Higher clinic	Mersa	+	+	6	6	0	1
28	Ursuline Sisters	Higher clinic	Kobo	+	+	112	112	0	7
29	Dr. Abera	Medium clinic	Kobo	+	+	107	107	0	11
30	Bikis	Medium clinic	B/D-TisAbay	-	+	39	113	0	39
31	Demise	Medium clinic	Merawi	+	+	140	-	0	-
32	Dr. Berhanu	Higher clinic	Durbete	+	+	275	275	0	13
33	Tenaw	Medium clinic	Durbete	+	+	32	32	0	4

S/N	Name of Facility	Level	Town	Presumptive /Clinical Dx & Rx of Malaria	Lab Based Dx & Rx of Malaria	Malaria Susp. Case Exam	No of Lab Service for Malaria	Presumptive Malaria Cases	No of Confirmed Malaria Cases
34	Gamby	Higher clinic	Bahir Dar	-	+	692	692	0	43
35	Adinas	Higher clinic	Bahir Dar	+	+	394	394	0	20
36	Alem Saga	Higher clinic	Bahir Dar	+	+	312	312	0	36
	Total					8,690	7,606	0	1,507

All hospitals, higher clinics, and medium clinics provide malaria services, using both presumptive and laboratory-based diagnosis approaches. They also were committed to provide services eight to 24 hours per day.

4.3.5 FACILITY WILLINGNESS AND COMMITMENT TO PROVIDE AFFORDABLE, STANDARDIZED MALARIA SERVICES

All facility owners/managers are willing to share social responsibility for providing malaria services at an affordable cost for the community (Table 21). They expressed their willingness to attend trainings and the advocacy workshops.

TABLE 21: FACILITY WILLINGNESS AND COMMITMENT TO PROVIDE AFFORDABLE, STANDARDIZED MALARIA SERVICES, AMHARA, FEBRUARY 2012

S/N	Name of Facility	Town/Woreda	Ready to provide standard malaria services with affordable cost	Does facility have full time physician(GP/HO)	Does facility send a clinician for three days training	Does facility send full time lab technician for four days training	Does facility send full time nurse/HA for three days training	Ready to make recording and reporting of malaria services
1	Dr. Lisanu	Kolladiba	Yes	Yes	Yes	Yes	Yes	Yes
2	Kidist Mariam	Metemma	Yes	Yes	Yes	Yes	Yes	Yes
3	Hayat CI	Gendawuha	Yes	Yes	Yes	Yes	Yes	Yes
4	Kidus Gebriel	Libo/Yefag	Yes	Yes	Yes	Yes	Yes	Yes
5	Lideta	Woreta	yes	yes	yes	Yes	yes	Yes
6	Dr. Sisay Endeshaw	Woreta	yes	yes	yes	Yes	yes	Yes
7	Dr. Gashaw	Jawi	yes	yes	yes	Yes	yes	Yes
8	Kidus Gebriel	Jawi	yes	yes	yes	Yes	yes	Yes
9	Hayat	Chagni	yes	yes	yes	Yes	yes	Yes
10	Dr Mulugeta	Chagni	yes	yes	yes	Yes	yes	Yes
11	Enat	Chagni	yes	yes	yes	Yes	yes	Yes
12	Bekele	Bure	yes	yes	yes	Yes	yes	Yes
13	St George	Bure	yes	yes	yes	Yes	yes	Yes
14	Dr Melaku	Finoteselam	yes	yes	yes	Yes	yes	Yes
15	Dilnesa	Finoteselam	yes	yes	yes	Yes	yes	Yes
16	Ethiopia	N/Ach-Yesmala	yes	yes	yes	Yes	yes	Yes
17	Bitania	Shewarobit	yes	yes	yes	Yes	yes	Yes

S/N	Name of Facility	Town/Woreda	Ready to provide standard malaria services with affordable cost	Does facility have full time physician (GP/HO)	Does facility send a clinician for three days training	Does facility send full time lab technician for four days training	Does facility send full time nurse/HA for three days training	Ready to make recording and reporting of malaria services
18	Demise	Shewarobit	yes	yes	yes	Yes	yes	Yes
19	Dr. Sualih	Kemise	yes	yes	yes	Yes	yes	Yes
20	Afrah	Kemise	yes	yes	yes	Yes	yes	Yes
21	Ayat	Bati	yes	yes	yes	Yes	yes	Yes
22	Gendedeyu	Bati	yes	yes	yes	Yes	yes	Yes
23	Shalom	Kombolcha	yes	yes	yes	Yes	yes	Yes
24	Eshetu	Kombolcha	yes	yes	yes	Yes	yes	Yes
25	Hayat	Kombolcha	yes	yes	yes	Yes	yes	Yes
26	Mersa	Mersa	yes	yes	yes	Yes	yes	Yes
27	Mersa Abagetiye	Mersa	yes	yes	yes	Yes	yes	Yes
28	Ursuline Sisters	Kobo	yes	yes	yes	Yes	yes	Yes
29	Dr. Abera	Kobo	yes	yes	yes	Yes	yes	Yes
30	Bikis	B/D-TisAbay	yes	yes	yes	Yes	yes	Yes
31	Demise	Merawi	yes	yes	yes	Yes	yes	Yes
32	Dr. Berhanu	Durbete	yes	yes	yes	Yes	yes	Yes
33	Tenaw	Durbete	yes	yes	yes	Yes	yes	Yes
34	Gamby	Bahir Dar	yes	yes	yes	Yes	yes	Yes
35	Adinas	Bahir Dar	yes	yes	yes	Yes	yes	Yes
36	Alem Saga	Bahir Dar	yes	yes	yes	Yes	yes	Yes

Reporting

Thirty-one facilities report their health activities to their respective health office/woreda health office or nearby health center. The content of report in some facilities is limited to TB/HIV care services. The period of reporting differs based on the request of the woreda/THO. Few facilities have a uniform registration (log book) for all services. This makes it difficult to organize, compile, and analyze facility performance across facilities.

Supportive supervision

Twenty-nine health facilities received supportive supervision through coaching and mentoring of supervisee by experienced supervisors. But feedback is observed only in 11 facilities. The supervisors are different professionals at different levels of assignment in the region. Six facilities did not receive supportive supervision at all. Most private health facilities are regularly (quarterly) visits by woreda/THO staff.

4.3.6 LIMITATIONS

There was recall bias in estimating the average malaria caseload in a week in facilities where registration was not available and in collecting the data in low malaria transmission season. It is also difficult to generalize facts of malaria services since all levels of clinics were not included in the assessment.

4.3.7 CONCLUSIONS AND RECOMMENDATIONS

- Many people receive malaria service in private health facilities.
- The knowledge and practice of health workers in private facilities on malaria case diagnosis and management were inadequate.
- Almost all private health facilities indicated their willingness and commitment to take on the responsibility of providing standard malaria services with affordable cost.
- The team assessed 36 clinics/hospitals and 34 drug outlets and selected 15 clinics and corresponding drug outlets.
- Basic training should be given to health workers who directly diagnose malaria in private health facilities.
- Lab units should be strengthened by providing essential supplies such as boxes of slides.
- Distribute guidelines, job aids, and recording and reporting formats to improve the performance of private health facilities.
- Private facility providers should be coached and mentored to improve the quality of services.
- Private health sector actors should be oriented/sensitized on malaria case management.
- Lower clinics should be assessed to know their potential and willingness to provide malaria service in places not addressed.

ANNEX A: SNNP DATA

Rating methods

1. Integrating services with PPM DOTS/ family planning: Those facilities that already started PPM DOTS/ family planning services received a score of one, while a new facility scored zero.
2. The human resources of the facility were computed using a percentile and a six-point rating scale. Facilities with a higher number of staff got six points. The other facilities got from five to one based on the cut of point using percentiles. For details on the rating system, see Table A-I below.
3. The malaria caseload was similarly scored. Those facilities with the highest malaria caseload got six points. The other facilities got from five to one based on the cut of point using percentiles. For details on the rating system, see Table A-I below.
4. Willingness and commitment of private health facilities were scored out of six.

TABLE A-I: SCORING CRITERIA AND RATING SYSTEM, SNNP, JANUARY 2012

Human Resources			Malaria Caseload		
Cut Off Point	%	Rate	Cut Off Point	%	Rate
>=10	95	6	>=280	95	6
8-9.	90	5	127-279	90	5
7	75	4	70-126	75	4
5-6.	50	3	35-69	50	3
3-4.	25	2	13-34	25	2
<3	10	1	<13	10	1

**TABLE A-2: PRIVATE MEDIUM CLINICS SELECTED FOR MALARIA SERVICES, SNNP,
JANUARY 2012**

Ser no	Name of facility	Level of facility	town	Integration with other PPM score	Rate out of one	Human power score	Rate out of six	Infrastructure score	Rate out of five	Cases load score	Caseload rate out of six	Willingness & commitment score	Willingness & commitment rate out of six	Total out of twenty four	Remark
1	Amanuel clinic	Medium	Wolketie	yes	1	5	3	4	4	280	6	6	6	20	Selected
2	Dr.Muluken clinic	Medium	W/Soddo	yes	1	7	4	4	4	184	5	6	6	20	Selected
3	Heikema clinic	Medium	Dilla	yes	1	8	5	4	4	210	5	5	5	20	Selected
4	Negash clinic	Medium	Dilla		0	7	4	4	4	140	5	6	6	19	Selected
5	Myo my brother clinic	Medium	Hossana		0	8	5	4	4	125	4	6	6	19	Selected
6	Enyate clinic	Medium	W/Soddo	yes	1	7	4	4	4	105	4	6	6	19	Selected
7	Beteseb clinic	Medium	Wolketie	yes	1	4	2	4	4	260	5	6	6	18	Selected
8	Beza clinic	Medium	Hossana		0	5	3	4	4	128	5	6	6	18	Selected
9	St. Gebreal	Medium	Hawassa	yes	1	4	2	4	4	175	5	6	6	18	Selected
10	Abaya clinic	Medium	A/minch	yes	1	6	3	4	4	75	4	6	6	18	Selected
11	Fistum Clinic	Medium	Dilla	yes	1	7	4	4	4	70	4	5	5	18	Selected
12	Haikedar clinic	Medium	Hawassa	yes	1	7	4	4	4	35	3	6	6	18	Selected
13	Semer clinic	Medium	Worabe		0	4	2	4	4	210	5	6	6	17	Selected
14	Selam clinic	Medium	Hossana		0	5	3	4	4	70	4	6	6	17	RI
15	Wesen clinic	Medium	Hossana		0	5	3	4	4	70	4	6	6	17	
16	Adugna clinic	Medium	Dilla		0	7	4	4	4	84	4	5	5	17	
17	Abinet clinic	Medium	Dilla	yes	1	6	3	4	4	35	3	6	6	17	
18	Beteseb clinic	Medium	A/minch		0	7	4	4	4	66	3	6	6	17	
19	Central clinic	Medium	Hawassa	yes	1	6	3	4	4	48	3	6	6	17	
20	Abreham clinic	Medium	A/minch		0	3	2	4	4	120	4	6	6	16	
21	Kulfo clinic	Medium	A/minch		0	5	3	4	4	60	3	6	6	16	
22	Zowi clinic	Medium	Hawassa		0	5	3	4	4	83	3	6	6	16	
23	Alkeso clinic	Medium	Alkeso	yes	1	6	3	3	3	48	3	6	6	16	
24	Fatima Clinic	Medium	Worabe	yes	1	2	1	4	4	36	3	6	6	15	
25	Tenaye clinic	Medium	Wolketie		0	4	2	4	4	45	3	6	6	15	
26	Marta clinic	Medium	A/minch		0	4	2	4	4	40	3	6	6	15	
27	Dr.Girma Polyclinic	Medium	Butajira		0	5	3	4	4	14	2	6	6	15	
28	Dr.Ashenafi clinic	Medium	Butajira		0	3	2	4	4	18	2	6	6	14	
29	Beteseb Clinic	Medium	Halaba		0	4	2	3	3	45	3	6	6	14	
30	Wabe Clinic	Medium	Wolketie		0	3	2	4	4	11	1	6	6	13	
31	Betel clinic	Medium	Butajira		0	3	2	4	4	4	1	6	6	13	
32	Halaba polyclinic	Medium	Halaba		0	5	3	4	4	66	3	0	0	10	

TABLE A-3: PRIVATE HOSPITAL AND HIGHER CLINICS SELECTED FOR MALARIA SERVICES, SNNP, JANUARY 2012

Ser no	Name of facility	Level of facility	town	Integration with other PPM score	Rate out of one	Human power score	Rate out of six	Infrastructure score	Rate out of five	Cases load score	Caseload rate out of six	Willingness & commitment score	Willingness & commitment rate out of six	Total out of twenty four	Remark
1	Dr.Muluneh clinic	Higher	Dilla	yes	1	10	6	4	4	280	6	5	5	22	Selected
2	Selam clinic	Higher	Dilla	yes	1	7	4	4	4	280	6	6	6	21	Selected
3	Hiwot clinic	Higher	Hossana		0	9	5	4	4	70	4	6	6	19	Selected
4	Tikurwuha	Higher	Hawassa	yes	1	7	4	4	4	70	4	6	6	19	R1
5	Selihom clinic	Higher	W/Soddo		0	10	6	4	4	42	3	6	6	19	R2
6	Dr.Berhane clinic	Higher	Halaba		0	6	3	4	4	255	5	6	6	18	
7	Bahir Clinic	Higher	Butajira	yes	1	5	3	4	4	105	4	6	6	18	
8	Bethel clinic	Higher	Dilla		0	6	3	4	4	210	5	5	5	17	
1	Asher	Hospital	Hawassa	yes	1	25	6	4	4	105	4	6	6	21	R1

TABLE A-4: PRIVATE LOWER CLINICS SELECTED FOR MALARIA SERVICES, SNNP, JANUARY 2012

Ser no	Name of facility	Level of facility	town	Integration with other PPM score	Rate out of one	Human power score	Rate out of six	Infrastructure score	Rate out of five	Cases load score	Caseload rate out of six	Willingness & commitment score	Willingness & commitment rate out of six	Total out of twenty four	Remark
1	Yofetahi clinic	Lower	Halaba		0	2	1	4	4	154	5	6	6	16	Selected
2	Kora clinic	Lower	Dilla		0	4	2	4	4	78	4	5	5	15	Selected
3	Minase clinic	Lower	W/Soddo		0	3	2	4	4	35	3	6	6	15	Selected
4	Nechesar clinic	Lower	A/minch		0	3	2	4	4	57	3	6	6	15	Selected
5	Teshome clinic	Lower	W/Soddo		0	2	1	4	4	49	3	6	6	14	Selected
6	Bushura clinic	Lower	Butajira		0	3	2	4	4	15	2	6	6	14	R1
7	Beniadem clinic	Lower	Butajira		0	2	1	4	4	20	2	6	6	13	R2
8	Hiwot clinic	Lower	W/Soddo		0	2	1	4	4	13	2	6	6	13	
9	Central clinic	Lower	W/Soddo		0	2	1	4	4	9	1	6	6	12	
10	Chencha	Lower	A/minch		0	2	1	4	4	10	1	6	6	12	
11	St.Gebreal cinic	Lower	Wolketie		0	2	1	2	2	20	2	6	6	11	

TABLE A-5: TEAM MEMBERS WHO PARTICIPATED IN THE ASSESSMENT, SNNP

Ser. No	Name	Organization	Position	Remark
1	S/r Fikerete Abera	RHB	Clinical Officer	911394404
2	Alemu Menjje	Gurage ZHD	Curative and Rehabilitative Process Owner	911892215
3	Ayele Berhanu	Gurage ZHD	Curative and Rehabilitative Process Officer	-
4	Samson Tesfaye	Wolkete THO	Communicable disease Control Officer	-
5	Kefeyalew Getachew	Worabie THO	Curative and Rehabilitative Process Owner	
6	Jemil Muzemele	Silte ZHD	Curative and Rehabilitative Process Owner	-
7	Ali Abdela	Butajira, THO	Curative and Rehabilitative Process Owner	911560467
8	Abay Kalu	Hadiya, ZHD	Curative and Rehabilitative Process Owner	911545558
9	Demeke Anshebo	THO, Hosanna	Delegated THO	
10	Kassahun Mulu	Soddo, ZHD	Regulatory Coordinator	911921226
11	Solomon Tesfaye	Dilla, ZHD	Curative and Rehabilitative Process Owner	912029466
12	Tariku Asfaw	Dilla, THO	Curative and Rehabilitative Process Owner	912135358
12	Ato Zeleke	A/minch ZHD	Curative and Rehabilitative Process Owner	
13	Ato Meaza	A/minch THO	Curative and Rehabilitative Process Owner	468813915
14	Alemtehay Birhanu	Halaba WoHO	Curative and Rehabilitative Process Owner	911787406
15	Tigest Esatu	Hawassa ZHD	Curative and Rehabilitative Process Owner	911902254

ANNEX B: TIGRAY DATA

Rating methods:

1. For facilities integrating malaria care with existing PPM DOTS/family planning services, a higher score was given, i.e., they received a “1.” Those facilities that started PPM DOTS/ family planning services got one while a new facility scored zero. (See Table B-1.)
2. Facility human resources were computed by percentile, with a rating system of six. Those facilities with a higher number of staff got six points. The other facilities got from five to one based on the cutoff point using percentiles. For details on the rating system, see Tables B-1 and B-2 below.
3. The malaria caseload was similarly scored and a rating system of six was applied.
4. Willingness and commitment of private health facilities were scored out of six.

TABLE B-1: SCORING CRITERIA AND RATING SYSTEM TO SELECT CLINICS, TIGRAY, FEBRUARY 2012.

Human Resources			Malaria Caseload		
cut of point	percentile	rate	cut of point	percentile	rate
>=9	95	5	>=196	95	5
8	90	4	143-195	90	4
5-7	75	3	70-142	75	3
3-4	50	2	35-69	50	2
1-2	25	1	20-34	25	1

TABLE B-2: SCORING CRITERIA AND RATING SYSTEM TO SELECT DRUG OUTLETS, TIGRAY, FEBRUARY 2012

Human Resources			Malaria Caseload		
cut of point	percentile	rate	cut of point	percentile	rate
3		3	>=80	95	5
2		2	75- 79	90	4
1		1	42 - 74	75	3
			17- 41	50	2
			<=16	25	1

TABLE B-3: SELECTED PRIVATE HEALTH FACILITIES FOR MALARIA SERVICES, TIGRAY, FEBRURARY 2012

Ser no	Name of health facility	Level	Woreda/ Town	Integration with other PPM	Score out of one	Human power	Score out of five	infrastructure	Score out of five	Case load	Caseload rate out of five	Willingness & commitment score	Willingness & commitment rate out of six	Total out of 24	Remark
1	Midre Genet	Higher	Shire Endesilassie	Yes	1	9	5	4	4	175	4	6	6	20	Selected
2	Selam	Higher	Setit Humera	yes	1	12	5	3	3	140	4	6	6	19	Selected
3	Menaharia	Higher	Setit Humera	yes	1	8	4	4	4	35	2	6	6	17	Selected
4	Rewina	Higher	Setit Humera		0	5	3	3	3	70	3	6	6	15	Selected
5	Raya Alamata	Higher	Alamata Town	Yes	1	6	3	3	3	21	2	6	6	15	Selected
6	Dr. Kumeger	Higher	Alama town	Yes	1	3	2	3	3	28	2	6	6	14	Selected
7	St. Agostina	Medium	Shire Endesilassie		0	6	3	4	4	206	5	6	6	18	Selected
8	Wolkayt	Medium	Setit Humera	yes	1	5	3	4	4	35	2	6	6	16	Selected
9	May Kadra	Medium	KaftaHumera		0	3	2	4	4	105	4	6	6	16	Selected
10	Kidus Gebreal	Medium	Asged tsimbla		0	6	3	4	4	60	3	6	6	16	Selected
11	Kidus Gebreal	Medium	Tsegedie /Dansha		0	3	2	4	4	105	4	6	6	16	Selected
12	Shire	Medium	Shire Endesilassie		0	5	2	4	4	42	3	6	6	15	Selected
13	African	Medium	Setit Humera		0	4	2	4	4	21	2	6	6	14	Selected
14	Selam	Medium	KaftaHumera		0	2	1	2	2	196	5	6	6	14	Selected
15	Kidiste Mariam	Medium	KaftaHumera		0	3	2	4	4	35	2	6	6	14	Selected
16	Eleni	Medium	Sheraro		0	4	2	4	4	35	2	6	6	14	Selected
17	Kidus Yared	Medium	Tsegedie /Dansha		0	2	1	4	4	70	3	6	6	14	Selected
18	Hibret	Medium	Shire Endesilassie		0	4	2	4	4	15	1	6	6	13	
19	Beza	Medium	Alamata Town		0	4	2	3	3	15	1	6	6	12	Selected
20	Kidist Arsema	Lower	Tsegedie /Dansha	Yes	1	3	2	4	4	40	3	6	6	15	Selected
21	Kidus Michael	Lower	Tsegedie	Yes	1	2	1	4	4	40	3	6	6	14	Selected

Ser no	Name of health facility	Level	Woreda/ Town	Integration with other PPM	Score out of one	Human power	Score out of five	infrastructure	Score out of five	Case load	Caseload rate out of five	Willingness & commitment score	Willingness & commitment rate out of six	Total out of 24	Remark
			/Dansha												
22	Rehiwa	Lower	KaftaHumera	Yes	1	1	1	3	3	52	3	6	6	13	Selected
23	Tinsaye	Lower	Tsegedie /Dansha	Yes	1	2	1	4	4	30	2	6	6	13	Selected
24	Kidiste Mariam	Lower	KaftaHumera	Yes	1	1	1	2	2	70	3	6	6	12	Selected
25	Tsiyon	Lower	KaftaHumera	Yes	1	1	1	2	2	70	3	6	6	12	Selected
26	Medihanialem	Lower	Sheraro	Yes	1	1	1	4	4	10	1	6	6	12	Selected
27	Yordanos	Lower	Sheraro	Yes	1	2	1	4	4	20	1	6	6	12	Selected
28	Taho	Lower	Raya Alamara	Yes	1	1	1	2	2	70	3	6	6	12	
29	Hiwot	Lower	KaftaHumera	Yes	1	1	1	2	2	35	2	6	6	11	
30	Minalu	Lower	KaftaHumera	Yes	1	1	1	2	2	21	2	6	6	11	
31	Kidist Mariam Nebelet	Lower	Wori leke/Nebelet		0	1	1	2	2	20	2	6	6	11	R3
32	Raya	Lower	Alamata Town	Yes	1	1	1	2	2	21	2	6	6	11	R4
33	Waja	Lower	Raya Alamata/Waja	Yes	1	1	1	2	2	9	1	6	6	10	R5
34	Rehiwa	Lower	Raya Alamata	Yes	1	1	1	2	2	20	1	6	6	10	R6
35	Raya	Lower	Raya Alamata	Yes	1	1	1	2	2	12	1	6	6	10	R7
36	Kidus Georgis	Lower	Raya Azebo	Yes	1	1	1	2	2	5	1	6	6	10	R8
1	Alitena catholic Mission	Medium	Irop/Alitena			9	5	4	4	15	1	6	6	16	R1
2	Tekeze Hydro ele power	Lower	Tanqua Abergelle			3	2	3	3	2	1	6	6	12	R2

TABLE B-4: SELECTED DRUG OUTLETS FOR MALARIA SERVICES, TIGRAY, FEBRURARY 2012

Ser no	Name of Drug outlet	Level	Town/Woreda	Human power	Score out of two	Caseload	Score out of 5	Willingness/ Commitment	Score out of three	Total	Remark
1	Intrtnational	Drug Store	Alamata	2	2	75	4	3	3	9	Selected
2	Selam	Drug Store	Dansha	1	1	80	5	3	3	9	Selected
3	Dawit	Drug Store	Setit Humera	1	1	84	5	3	3	9	Selected
4	St. Agostina	Pharmacy	Shire Endesilassie	1	1	76	4	3	3	8	Selected
5	Wolkayit	Drug Store	Setit Humera	1	1	70	4	3	3	8	Selected
6	Kidist Mariam	Drug Store	KaftaHumera	2	2	35	3	3	3	8	Selected
7	Selam	Drug Store	KaftaHumera	2	2	28	3	3	3	8	Selected
8	Maylomin	Drug Vendor	KaftaHumera	1	1	60	4	3	3	8	Selected
9	Tsegie	Drug Vendor	Setit Humera	1	1	70	4	3	3	8	Selected
10	Betelhem	Drug Vendor	Alamata	1	1	70	3	3	3	7	Selected
11	Selam	Drug Vendor	Raya Azebo/Mehoni	1	1	28	3	3	3	7	
12	Simur	Drug Store	Alamata	2	2	14	2	3	3	7	Selected
13	Tinsaye	Drug Store	Dansha	1	1	42	3	3	3	7	Selected
14	Rehiwa	Drug Vendor	Asged tsimbla	1	1	35	3	3	3	7	Selected
15	Central	Drug Store	KaftaHumera	1	1	35	3	3	3	7	Selected
16	Setiti	Drug Store	KaftaHumera	1	1	21	3	3	3	7	Selected
17	Raya	Drug Store	Raya Azebo/Mehoni	2	2	10	1	3	3	6	
18	Hidassie	Drug Store	Raya Azebo/Mehoni	1	1	14	2	3	3	6	
19	Kalkidan	Drug Store	Alamata	1	1	21	2	3	3	6	Selected
20	Sihul	Drug Vendor	Alamata	1	1	14	2	3	3	6	Selected
21	Hosahna	Drug Store	Alamata	1	1	14	2	3	3	6	Selected
22	Wajja	Drug Vendor	Raya Alamata/Waja	1	1	15	2	3	3	6	Selected
23	Abyssinia	Drug Store	Dansha	2	2	7	1	3	3	6	Selected
24	Gibtsit	Drug Store	Sheraro	1	1	17	2	3	3	6	Selected
25	Hidassie	Drug Store	Shire Endesilassie	1	1	21	2	3	3	6	Selected
26	Amanuel	Drug Store	Asged tsimbla	2	2	5	1	3	3	6	Selected
27	Kidus Gebreal	Drug Store	Setit Humera	1	1	14	2	3	3	6	Selected
28	Roman	Drug Vendor	KaftaHumera	1	1	14	2	3	3	6	Selected
29	Alem	Drug Vendor	KaftaHumera	2	2	7	1	3	3	6	Selected
30	Berehan	Drug Store	Raya Azebo/Mehoni	1	1	10	1	3	3	5	

Ser no	Name of Drug outlet	Level	Town/Woreda	Human power	Score out of two	Caseload	Score out of 5	Willingness/ Commitment	Score out of three	Total	Remark
31	Awot	Drug Store	Alamata	1	1	4	1	3	3	5	Selected
32	Eyerusalem	Drug Store	Dansha	1	1	10	1	3	3	5	Selected
33	Shire	Drug Store	Shire Endesilassie	1	1	10	1	3	3	5	Selected
34	Selam	Drug Store	Setit Humera	1	1	5	1	3	3	5	Selected
35	Raya	Drug Store	Alamata	1	1	7	1	2	2	4	

**TABLE B-5: LIST OF FACILITY READINESS ASSESSMENT TEAM MEMBERS, TIGRAY,
FEBRUARY 2012**

Ser. No	Name	Organization	Position	Remark
1	Te-ame Zegeye	RHB	Malaria Expert	
2	Mussie Areaya	RHB	Malaria Expert	
3	Gedam Birhane	Kafta Humara WoHO	Regulatory Expert	
4	Asfaw Gessesse	Setiti Humera THO	TB/HIV Expert	
5	Asmelash Zemichael	Tegede WoHO	Vice Head	
6	Diror W/Mihiret	Shiraro THO	Expert	
7	Georgis Aregay	Asgede Tsimbla WoHO	Vice Head	
8	Gidey Gebre Kirkos	Shire Endesilasie THO	Regulatory Expert	
9	Sr. Roman Araya	Wori Leke WoHO	Head	
10	Abraha Hadisu	Irob WoHO	Head	
11	Teshome Alemseged	Raya Alamata WoHO	Regulatory Expert	
12	Sr. Sindaye Tefera	Alamata THO	Regulatory Expert	
13	Abera G/Yonannes	Raya Azebo WoHO	Regulatory Expert	
14	Mesele Damte	PHSP	Malaria Program Coord	
15	Teshome Kassa	PHSP	Driver Puchaser	

TABLE B-6: SELECTED HIGHER CLINICS FOR MALARIA SERVICES, TIGRAY, FEBRURARY 2012

Ser no	Name of health facility	Level	Woreda/ Town/	Integration with other PPM	Score our of one	Human resources	Score out of five	Infrastructure	Score out of five	Caseload	Caseload rate out of five	Willingness & commitment score	Willingness & commitment rate out of six	Total out of twenty four	Remark
1	Midre Genet	Higher	Shire Endesilassie	yes	1	9	5	4	4	175	4	6	6	20	Selected
2	Selam	Higher	Setit Humera	yes	1	12	5	3	3	140	4	6	6	19	Selected
3	Menaharia	Higher	Setit Humera	yes	1	8	4	4	4	35	2	6	6	17	Selected
4	Rewina	Higher	Setit Humera	yes	0	5	3	3	3	70	3	6	6	15	Selected
5	Raya Alamata	Higher	Alamata Town	yes	1	6	3	3	3	21	2	6	6	15	Selected
6	Dr. Kumneger	Higher	Alama town	yes	1	3	2	3	3	28	2	6	6	14	Selected

TABLE B-7: SELECTED MEDIUM CLINCS FOR MALARIA SERVICES, TIGRAY, FEBRURARY 2012

Ser no	Name of health facility	Level	Woreda/ Town/	Integration with other PPM	Score our of one	Human resources	Score out of five	Infrastructure	Score out of five	Caseload	Caseload rate out of five	Willingness & commitment score	commitment	Total out of twenty four	Remark
1	St. Agostina	Medium	Shire Endesilassie		0	6	3	4	4	206	5	6	6	18	Selected
2	Wolkayt	Medium	Setit Humera	yes	1	5	3	4	4	35	2	6	6	16	Selected
3	May Kadra	Medium	KaftaHumera		0	3	2	4	4	105	4	6	6	16	Selected
4	Kidus Gebreal	Medium	Asged tsimbla		0	6	3	4	4	60	3	6	6	16	Selected
5	Kidus Gebreal	Medium	Tsegedie /Dansha		0	3	2	4	4	105	4	6	6	16	Selected
6	Shire	Medium	Shire Endesilassie		0	5	2	4	4	42	3	6	6	15	Selected
7	African	Medium	Setit Humera		0	4	2	4	4	21	2	6	6	14	Selected
8	Selam	Medium	KaftaHumera		0	2	1	2	2	196	5	6	6	14	Selected
9	Kidiste Mariam	Medium	KaftaHumera		0	3	2	4	4	35	2	6	6	14	Selected
10	Eleni	Medium	Sheraro		0	4	2	4	4	35	2	6	6	14	Selected
11	Kidus Yared	Medium	Tsegedie /Dansha		0	2	1	4	4	70	3	6	6	14	Selected
12	Beza	Medium	Alamata Town		0	4	2	3	3	15	1	6	6	12	Selected
13	Hibret	Medium	Shire Endesilassie		0	4	2	4	4	15	1	6	6	13	

TABLE B-8: SELECTED LOWER CLINICS FOR MALARIA SERVICES, TIGRAY, FEBRURARY 2012

Ser no	Name of health facility	Level	Woreda/Town/	Integration with other PPM	Score out of one	Human resources	Score out of five	Infrastructure	Score out of five	Caseload	Caseload rate out of five	Willingness & commitment score	Willingness & commitment rate out of six	Total out of twenty four	Remark
1	Kidist Arsema	Lower	Tsegedie /Dansha	Yes	1	3	2	4	4	40	3	6	6	15	Selected
2	Kidus Michael	Lower	Tsegedie /Dansha	Yes	1	2	1	4	4	40	3	6	6	14	Selected
3	Rehiwa	Lower	KaftaHumera	Yes	1	1	1	3	3	52	3	6	6	13	Selected
4	Tinsaye	Lower	Tsegedie /Dansha	Yes	1	2	1	4	4	30	2	6	6	13	Selected
5	Kidiste Mariam	Lower	KaftaHumera	Yes	1	1	1	2	2	70	3	6	6	12	Selected
6	Tsiyon	Lower	KaftaHumera	Yes	1	1	1	2	2	70	3	6	6	12	Selected
7	Yordanos	Lower	Sheraro	Yes	1	2	1	4	4	20	1	6	6	12	Selected
8	Medihanialem	Lower	Sheraro	Yes	1	1	1	4	4	10	1	6	6	12	
9	Taho	Lower	Raya Alamara	Yes	1	1	1	2	2	70	3	6	6	12	
10	Hiwot	Lower	KaftaHumera	Yes	1	1	1	2	2	35	2	6	6	11	
11	Minalu	Lower	KaftaHumera	Yes	1	1	1	2	2	21	2	6	6	11	

TABLE B-9: LIST OF PRIVATE HEALTH FACILITIES RECOMMENDED FOR FUTURE ENROLLMENT FOR MALARIA SERVICES, TIGRAY, FEBRURARY 2012

Ser no	Name of health facility	Level	Woreda/Town/	Integration with other PPM	Score out of one	Human resources	Score out of five	Infrastructure	Score out of five	Caseload	Caseload rate out of five	Willingness & commitment score	Willingness & commitment rate out of six	Total out of twenty four	Remark
1	Alitena catholic Mission	Medium	Irop/Alitena		0	9	5	4	4	15	1	6	6	16	R1
9	Tekeze Hydro ele power	Lower	Tanqua Abergelle		0	3	2	3	3	2	1	6	6	12	R2
12	Kidist Mariam Nebelet	Lower	Wori leke/Nebelet		0	1	1	2	2	20	2	6	6	11	R3
13	Raya	Lower	Alamata Town	Yes	1	1	1	2	2	21	2	6	6	11	R4
14	Waja	Lower	Raya Alamata/Waja	Yes	1	1	1	2	2	9	1	6	6	10	R5
15	Rehiwa	Lower	Raya Alamata	Yes	1	1	1	2	2	20	1	6	6	10	R6
16	Raya	Lower	Raya Alamata	Yes	1	1	1	2	2	12	1	6	6	10	R7
17	Kidus Georgis	Lower	Raya Azebo	Yes	1	1	1	2	2	5	1	6	6	10	R8

ANNEX C: AMHARA DATA

Rating methods:

1. Integrating PPM DOTS/family planning services scored one. Those facilities that started PPM DOTS/family planning services got one point while new facilities scored zero.
2. Facility human resources were computed by percentile, with a rating system of six. Those facilities with a higher number of staff got six points. The other facilities got from five to one based on the cut off point using percentiles. For details on the rating system, Table C-1.
3. The malaria caseload was similarly scored and a rating system of six was applied. Those facilities with the highest caseload got six points. The other facilities got from five to one based on the cut of point using percentiles, Table C-2.
4. Willingness and commitment of private health facilities were scored out of six.

TABLE C-1: SCORING CRITERIA FOR ASSESSED CLINICS, AMHARA, FEBRUARY 2012

Variables	Percentiles						
	5	10	25	50	75	90	95
human resource	2	2	3	5	7	21	26
infrastructue	3	4	5	6	7	7	7
Caseload	9	35	58	117	376	528	1,026
Score	1	2	3	4	5	6	

TABLE C-2: SELECTED PRIVATE HEALTH FACILITIES FOR MALARIA SERVICES, AMHARA, FEBRUARY 2012

S/N	Name of PHF	Level	Town	Part of PHSP	Score out of one	Human resource	rate out of six	infrastructure Score	Rate out of six	Malaria suspected cases exam	Score out of six	willingness and commitment score	Rate out of six	Total out of 25	Remark
1	Gamby clinic	Higher	Bahir Dar	+	1	44	6	7	6	692	6	6	6	25	Selected
2	Hayat Clinic	Medium	Chagni	+	1	8	6	7	5	998	6	6	6	24	Selected
3	Adinas Clinic	Higher	Bahir Dar	+	1	21	6	7	6	394	5	6	6	24	Selected
4	St George Hospital	Hospital	Bure	+	1	21	6	7	5	458	5	6	6	23	Selected
5	Alem Saga	Higher	Bahir Dar	+	1	23	6	7	6	312	4	6	6	23	Selected
6	Hayat Clinic	Medium	Gendawuha	+	1	7	5	7	5	450	5	6	6	22	Selected
7	Bekele Clinic	Higher	Bure	-	0	13	6	7	5	457	5	6	6	22	Selected
8	Ursuline Sisters	Higher Clinic	Kobo	+	1	7	6	7	6	112	3	6	6	22	Selected
9	Dr. Berhanu Clinic	Higher Clinic	Durbete	+	1	6	5	7	6	275	4	6	6	22	Selected
10	Dr Mulugeta Clinic	Medium	Chagni	Trained	1	6	5	5	3	1,186	6	6	6	21	Selected
11	Dilnesa Clinic	Medium	Finoteselam	-	0	7	6	7	5	121	4	6	6	21	Selected
12	Shalom Clinic	Medium	Kombolcha	+	1	7	6	7	5	112	3	6	6	21	Selected
13	Demise Clinic	Medium	Shewarobit	+	1	4	4	6	4	321	5	6	6	20	Selected
14	Hayat Clinic	Medium	Kombolcha	+	1	6	5	7	5	228	3	6	6	20	Selected
15	Bitania Clinic	Medium	Shewarobit	-	0	4	4	7	5	206	4	6	6	19	Selected
16	Dr Melaku Clinic	Medium	Finoteselam	+	1	5	4	6	4	244	4	6	6	19	Selected
17	Dr. Sualih Clinic	Medium	Kemise	+	1	4	4	7	5	90	3	6	6	19	Selected
18	Dr. Abera Clinic	Medium	Kobo	+	1	3	3	7	6	107	3	6	6	19	Selected
19	Lideta Clinic	Medium	Woreta	+	1	6	5	5	3	90	3	6	6	18	Selected

S/N	Name of PHF	Level	Town	Part of PHSP	Score out of one	Human resource	rate out of six	infrastructure Score	Rate out of six	Malaria suspected cases exam	Score out of six	willingness and commitment score	Rate out of six	Total out of 25	Remark
20	Dr. Gashaw Clinic	Medium	Jawi	Trained	1	4	4	4	2	396	5	6	6	18	Selected
21	Enat Clinic	Medium	Chagni	-	0	3	3	6	4	421	5	6	6	18	
22	Eshetu Clinic	Medium	Kombolcha	-	0	4	4	7	5	91	2	6	6	17	
23	Kidist Mariam Clinic	Medium	Metemma	+	1	5	4	3	1	142	4	6	6	16	
24	Kidus Gebriel Clinic	Medium	Jawi	-	0	2	2	6	4	150	4	6	6	16	
25	Mersa Clinnic	Medium	Mersa	+	1	4	4	5	3	38	2	6	6	16	
26	Bikis Clinic	Medium	B/D-TisAbay	-	0	3	3	6	5	39	2	6	6	16	
27	Demise Clinic	Medium	Merawi	-	0	3	3	5	3	140	4	6	6	16	
28	Dr. Sisay Endeshaw Cl.	Medium	Woreta	+	1	6	5	7		62	3	6	6	15	
29	Afrah Clinic	Medium	Kemise	-	0	3	3	5	3	76	3	6	6	15	
30	Ayat Clinic	Medium	Bati	-	0	3	3	6	4	57	2	6	6	15	
31	Gendedeyu Clinic	Medium	Bati	-	0	5	4	4	2	48	2	6	6	14	
32	Mersa Abagetiye Cl.	Medium	Mersa	-	0	2	2	6	5	6	1	6	6	14	
33	Tenaw Clinic	Medium	Durbete	+	1	3	3	5	3	32	1	6	6	14	
34	Dr. Lisanu Clinic	Medium	Kolladiba	-	0	3	3	5	3	9	1	6	6	13	
35	Kidus Gebriel Clinic	Medium	Libo/Yefag	-	0	2	2	2	1	90	3	6	6	12	
36	Ethiopia Clinic	Medium	N/Ach-Yesmala	-	0	2	2	4	2	40	2	6	6	12	

TABLE C-3: SELECTED DRUG OUTLETS FOR MALARIA SERVICES, AMHARA, FEBRUARY 2012

S/N	Name of PHF	Level	Woreda/ Town Admin	Town	Date Established/ year	Contact Person	Cell phone	Landline	Pharmacist	Drugist	Pharmacy Tech
1	Yordanos	Drug store	Dembia	Kolladiba	2010	Sendek Endawke	251918531630	-	0	1	0
2	Hayat	Pharmacy	Gendawuha	Gendawuha	2010	Amarech Abere	251918812668	251583310334	1	0	1
3	Solomon	Drug store	Gendawuha	Gendawuha	2009	Solomon Nahusenay	251918712169	-	0	1	1
4	Jegnie	Drug store	Libokemkem	Yefag	2011	Misganaw Woede	251918298203	-	0	1	0
5	Lideta	Drug store	Woreta	Woreta	2008	Serkalem Jemberu	251918270877	251584460896	0	1	1
6	Dr. Sisay	Drug store	Woreta	Woreta	2011	Dr. Sisay Endeshaw	251918700438	-	0	1	0
7	Habtam	Drug store	Jawi	Fendika	2012	Habtam Molla	251918773033	-	0	1	0
8	Tirunesh	Drug store	Jawi	Fendika	2010	Abenew Tsega	251911026481	-	0	2	0
9	Mulu	Drug store	Chagni	Chagni	2009	Muluwork Shimekaw	251918728819	-	0	1	1
10	Dr. Mulugeta	Drug store	Chagni	Chagni	2011	Seid Mehammed	251911757314	251582251268	0	1	0
11	Gebia	Drug store	Chagni	Chagni	2008	Gedamu Wubetu	251918707491	-	0	1	0
12	Bure	Drug store	Bure	Bure	2006	Muluken Bekele	251911745976	251587740005	0	1	3
13	St George GH	Pharmacy	Bure	Bure	2009	Temesgen Chekol	251913736638	251587740400	1	2	0
14	Kidus	Drug store	Finoteslam	Finoteslam	2010	Hiwot Degu	251913460172	-	0	1	1
15	Dilnesa	Drug store	Finoteslam	Finoteslam	2011	Dilnesa Wondie	251913220487	-	0	1	0
16	Atllaw Dagne	Drug store	Shewarobit	Shewarobit	2009	Solomon Leta	251913422731	-	0	1	0
17	Genet	Drug store	Shewarobit	Shewarobit	2009	Belete Kefyalew	251926363543	-	0	2	0
18	Oumi	Drug store	Kemise	Kemise	2009	Dr. Sualih Muhammed	251911697487	-	0	1	0
19	Ashrika	Drug store	Kemise	Kemise	2005	Ashrika Muhammed	251911412820	251335541194	0	1	0
20	Abdu	Drug store	Bati	Bati	2011	Ahmed Husien	251913488986	251335530659	0	2	0
21	Wollo	Drug store	Bati	Bati	2009	Shambel Mekonen Ali	251910432852	-	0	1	0
22	Shalom	Drug store	Kombolcha	Kombolcha	1999	Anteneh Ayalew	251911089487	-	0	2	0
23	Abraraw	Drug store	Kombolcha	Kombolcha	2012	Abraraw Demewoz	251913947690	-	0	1	0
24	Tiruye	Drug store	Habru	Mersa	2011	Moges Tebeje	251911547062	-	0	1	0

S/N	Name of PHF	Level	Woreda/ Town Admin	Town	Date Established/ year	Contact Person	Cell phone	Landline	Pharmacist	Drugist	Pharmacy Tech
25	Wollo	Drug store	Habru	Mersa	2010	Shewaye Debebe	251920487038	-	0	2	0
26	Aba Francisco Zemariam	Drug store	Kobo	Kobo	2010	Temesgen Aklilu	251920140478	-	1	1	0
27	Dr Abera	Drug store	Kobo	Kobo	2011	Tigist Derese	251913940480	-	0	2	0
28	Abreham	Drug vendor	Bahir Dar	Tis Abay	1999	Abreham Husien	251918027269	-	0	0	0
29	Mehret	Drug store	Mecha	Merawi	2005	Azmeraw Abera	251918746421	251583300578	0	2	0
30	Aster	Drug store	South Achefer	Durbete	2010	Banchayehu	251910006649	-	0	1	0
31	Amanuel	Drug store	South Achefer	Durbete	2005	Muluye Mosa	251913608183	251582230046	0	2	0
32	Gamby pharmacy	Pharmacy	Bahir Dar	Bahir Dar	2002	Daniel Yonas	251918147021	-	1	4	2
33	Bitania	Drug store	Bahir Dar	Bahir Dar	2011	Fikir Alemu	251918782185	-	0	2	0
34	Alemsaga	Pharmacy	Bahir Dar	Bahir Dar	2007	Gizachew Minwuye	251918701051	251582264243	1	2	0

TABLE C-4: SELECTED PRIVATE HEALTH FACILITES FOR MALARIA SERVICES AMENDED BY RHB, AMHARA, FEBRUARY 2012

S/N	Name of PHF	Level	Town	Part of PHSP	Score out of one	Human resource rate out of six	infrastructure Score	Rate out of six	Malaria suspected cases exam	Score out of six	willingness and commitment score	Rate out of six	Total out of 25	Remark	
1	Gamby clinic	Higher Clinic	Bahir Dar	+	1	44	6	7	6	692	6	6	6	25	Selected
2	Hayat Clinic	Medium	Chagni	+	1	8	6	7	5	998	6	6	6	24	Selected
3	Adinas Clinic	Higher Clinic	Bahir Dar	+	1	21	6	7	6	394	5	6	6	24	Selected
4	St George Hospital	Hospital	Bure	+	1	21	6	7	5	458	5	6	6	23	Selected
5	Hayat Clinic	Medium	Gendawuha	+	1	7	5	7	5	450	5	6	6	22	Selected
6	Bekele Clinic	Higher Clinic	Bure	-	0	13	6	7	5	457	5	6	6	22	Selected
7	Ursuline Sisters	Higher Clinic	Kobo	+	1	7	6	7	6	112	3	6	6	22	Selected

S/N	Name of PHF	Level	Town	Part of PHSP	Score out of one	Human resource	rate out of six	infrastructure Score	Rate out of six	Malaria suspected cases exam	Score out of six	willingness and commitment score	Rate out of six	Total out of 25	Remark
8	Dr. Berhanu Clinic	Higher Clinic	Durbete	+	1	6	5	7	6	275	4	6	6	22	Selected
9	Dr Mulugeta Clinic	Medium	Chagni	Trained	1	6	5	5	3	1186	6	6	6	21	Selected
10	Dr Melaku Clinic	Medium	Finoteselam	+	1	5	4	6	4	244	4	6	6	19	Selected
11	Shalom Clinic	Medium	Kombolcha	+	1	7	6	7	5	112	3	6	6	21	Selected
12	Bitania Clinic	Medium	Shewarobit	+	1	4	4	7	5	206	4	6	6	20	Selected
13	Demise Clinic	Medium	Shewarobit	+	1	4	4	6	4	321	5	6	6	20	Selected
14	Lideta Clinic	Medium	Woreta	+	1	6	5	5	3	90	3	6	6	18	Selected
15	Dr. Gashaw Clinic	Medium	Jawi	Trained	1	4	4	4	2	396	5	6	6	18	Selected

**TABLE C-5: LIST OF FACILITY READINESS ASSESSMENT TEAM MEMBERS, AMHARA,
FEBRUARY 2012**

Ser. No	Name	Organization	Position	Remark
1	Yirdaw Emiru	RHB	Malaria Officer	
2	Abebaw Yeshaneh	Metema WoHO	Malaria Officer	
3	Samuel Mulugeta	Gendawuha THO	Malaria Officer	
4	Nega Bekele	Libo WoHO	Malaria Officer	
5	Ferede Azanaw	Woreta THO	Malaria Officer	
6	Michael Nebro	Jawi WoHO	Vice head	
7	Hailu Bitew	Chagni THO	Malaria Officer	
8	Haymanot Tafere	Bure THO	Malaria Officer	
9	Felekech Minalu	Finoteselam THO	PHEM officer	
10	Fentahun Desalegn	N/Achefer WoHO	Regulatory Expert	
11	Moges Kebede	Shewarobit THO	Malaria Officer	
12	Girma Dadi	Kemise THO	Regulatory Expert	
13	Kalid Nasir	Bati THO	Malaria Officer	
14	Abdulhafiz Yimer	Kombolcha THO	Malaria Officer	
15	Awoke Bishaw	Habru WoHO	Malaria Officer	
16	Emirneshe Kebede	Kobo THO	Regulatory Expert	
17	Belete Mengesha	Mecha WoHO	Regulatory Expert	
18	Mersha Limenih	S/Achefer WoHO	Malaria Officer	
19	Gashaw Zegeye	Bahir Dar THO	Officer	
20	Tsegaye Alebel	PHSP	P/coordinator	
21	Andualem Zeleke	PHSP	Driver	

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