

Specific objective 1. To determine the level of utilization of existing health services in Mamfe Central and central Ejagham.

Variables:

- 1.1 The available health services in Mamfe Central and central Ejagham.**
- 1.2 Size of the population.**
- 1.3 The utilization of health services.**
- 1.4 The most prevailing diseases.**

Questions :

1.1.1 How many hospitals exist in Mamfe Central and central Ejagham?

Mamfe District Hospital
Military Hospital Mamfe

1.1.2 How many health centers / posts exist in Mamfe Central and central Ejagham?

Categories;	-Governmental	: 3	Mamfe, Kembong, Afap
	-Community	: 6	Egbekaw, Nchang, Mbakem, Ajayukndip, Bakwelle and Eshobi
	-Mission	: 3	Besong Abang, Mamfe, Mbakang

1.1.3 How many health staff working in hospitals or health centers is there in Mamfe Central and central Ejagham?

Institution	Health staff	Doctors	Nurses	Midwives	Lab Tech. (+Ass)	Pharmacy attendants	Others	Total
1) Governmental								
-Adm. Mamfe Health District		1	4					5
-Mamfe District Hospital		3	19	2	3	1	2	30(22*)
-Military Hospital Mamfe		1	11		1	1	1	15
-Urban Health Center Mamfe			3	3		1		7 (12*)
-Health Center Kembong			2		1	1		4 (6*)
-Health Center Afap			1	1		1		3 (3*)
2) Non-Governmental								
-Gospel Health Center Mamfe			1		2	2		5
-Presbyterian Health Center Besong Abang			3	1	1	1		6
-Gospel Health Center Mbakang			1		1	1	2	5
-Community Health Center Nchang							2 (CHW)	2
- Community Health center Egbekaw							1 (CHW)	1
- Community Health center Eshobi							2 (CHW)	2
- Community Health center Bakwelle			2					2
- Community Health center Mbakem			2					2
- Community Health center Ajayukndip			2	1				3
Total		5	51	8	9	9	10	92 / (91*)

*Figure administration Mamfe Health District

1.1.4 How many private workers are there in Mamfe Central and central Ejagham?

Town / village	PW	Tr	Hb	De v	Tba	PP	Rn	Rm	chw	MS	Ph	Pm s	Dp	Tot
1.Afap			3	-	-		-	-	-		-	-	1-5	4-8
2.Ajayundip			3-6	1-2	1-4		1	-	1-2		-	-	1	8-16
3.Ayukaba			4-20		1-2		1							6-23
4.Bakwelle			6-10		1				2					9-13
5.Besong Abang			4-6	1	1		1	1				2-3	2-3	12-16
6.Ebam			2-5		3				1-2					6-10
7.Egbekaw			6	1	1		-	-	1		-	-	1	10
8.Eshobi			4	2	2				2			1	1	12
9.Ewelle			NA.	NA.	NA.		NA.	NA.	NA.		NA.	NA.	NA.	NA.
10.Eyang Nchang			20-30	1-3	5		-	-	1-2		-	-	1-3	28-43
11.Kembong			2-10	2-5	-		5	2	-		-	1-5	3-10	15-37
12.Mamfe			10	3	15		4	5	-		1	8	4	50
13.Mbakang			NA.	NA.	NA.		NA.	NA.	NA.		NA.	NA.	NA.	NA.
14.Mbakem			7-12	1	1-2				2				1	12-18
15.Mbatop			10-30		5-10									15-40
16.Mfuni			10	2	5							1	3	21
17.Mkpot			2				1							3
18.Nchang			10-30	1	1-12		-	-	2-3		-	4-12	1	19-59
19.Ndekwai			1-50	-	1		-	-	-		-	1-3	1-10	4-64
20.Ntenako			4-6						1				3	8-10
21.Ogomoko			1											1
22.Okoyong			3-11	1-3	2-4		1-3		1-6				1-4	9-31
23.Ossing			5-10	-	0-12		1-2	1-2	-		-	-	2-4	9-30
24.Talangaye			2-4	1	3-6				2-3				2	10-16
Total			119-276	17-25	48-86		15-18	9-10	16-26		1	18-33	28-56	271-531

1.1.5 Are you registered with the government (the interviewed private health workers: 134)?

Categories	Registered	No	Yes
1) Traditional healers			
-Deviners			3 (100%)
-Herbalists		66 (75,9%)	21 (24,1%)
-Traditional Birth Attendants (TBA's)		4 (100%)	
2) Private practitioners			
-Retired nurses		5 (83,3%)	1 (16,7%)
-Retired midwives		5 (100%)	
-Community Health Workers (CHW's)		1 (50%)	1 (50%)
3) Medicine sellers			
-Pharmacists			1 (100%)
-Patent medicine sellers		3 (42,9%)	4 (57,1%)
-Drugs pedlers		18 (94,7%)	1 (5,3%)
Total		102	32
%		76,1	23,9

If not, why not?

Reasons	PW	Tr	Hb	Dev	Tba	PP	Rn	Rm	chw	MS	Ph	Pms	Dp	Tot	%
No means			25	1	1		5	3					4	39	34,8
I do not know the proces of reg.			18		1		1						6	26	23,2
I am not making money			9		2								1	12	10,7
Gov't did not ask / tell me			7		1							1	2	11	9,8
It is a part-time job			2									1	1	4	3,8
No reply Gov't								2					1	3	2,7
Tradition of the area			2	1										3	2,7
The proces takes a lot of time			1										1	2	1,8
Treatment only for family			2											2	1,8
I do not want to pay taxes			2											2	1,8
Treatment will become more expensive			2											2	1,8
Others			3						2			1		6	5,4
Total			73	2	5		6	5	2		0	3	16	112	100.3%

1.1.6 Where are the community pharmacies established?

In Mamfe, Afap and Kembong.

1.1.7 Have IVHC members been trained by the Government and on what subjects?

Village	Date of training	Nr. of participants	Stationed	Subjects
Mamfe	May '93	6 + COP GHC	Mamfe	-Role of IVHC; -Concept of reorientation of PHC; -Supervision of comm. Pharmacy; -How to conduct meetings.
Kembong	March '91	6 + COP GHC	Kembong	-Dito
Afap	April '92	6 + COP GHC	Afap	-Dito

Nb: 6 is an estimation = 6 executive members of each IVHC.

1.1.8 Are private workers registered with the Government?

Information not available from the government.

1.2.1 How many people live in the 24 villages / town(s) of the intervention zone?

Town / village	Estimate Government
1.Afap	1114
2.Ajayundip	1091
3.Ayukaba	297
4.Bakwelle	528
5.Besong Abang	3696
6.Ebam	368
7.Egbekaw	643
8.Eshobi	1400
9.Ewelle	1087
10.Eyang Nchang	844
11.Kembong	4831
12.Mamfe	17275
13.Mbakang	518
14.Mbakem	503
15.Mbatop	397
16.Mfuni	1249
17.Mkpot	377
18.Nchang	2727
19.Ndekwai	1289
20.Ntenako	1969
21.Ogomoko	855
22.Okoyong	1983
23.Ossing	2773
24.Talangaye	501
Total	48.315

1.3.1 How many patients do you consult in a year?

Institution	Year	1996	1997
Governmental			
-Urban Health Center Mamfe		5991 (7.137*)	5554 (6.234*)
-Mamfe District Hospital		3785 (3.798*)	3058 (3.113*)
-Military Hospital Mamfe		860	650
-Kembong Health Center		1249 (1.565*)	1906 (2.042*)
-Afap Health Center		1483 (1.482*)	1047 (1.283*)
Total		13.368 (14.842*)	12.215 (13.322*)
Non-Governmental			
-Gospel Health Center Mamfe		10.000 (8.542*)	9.900 (6.943*)
-Presb. Health Center Besong Abang		8.484 (8.157*)	6.871 (8.270*)
-Gospel Health Center Mbakang		2.800 (3.012*)	3.400 (3.099*)
-Community Health Center Nchang		345	65
-Community Health Center Egbekaw		-	-
-Community Health Center Eshobi		-	-
-Community Health Center Bakwelle		400	300
-Community Health Center Mbakem		728	700
-Comm. Health Center Ajayuknip		140	139
Total		22.897 (21.324*)	21.375 (19.516*)

1.3.2 Did any of the following diseases occur during the last three months within your family?

Village	Malaria	Veneral diseases	Skin diseases	Total
Ayukaba	8	0	3	11
Egbekaw	8	0	7	15
Kembong	9	0	8	17
Mbatop	9	0	7	16
Ndekawai	7	0	8	15
Ossing	8	0	6	14
Total	49	0	39	88
%	81,7	0	65	

1.3.3 What was done to treat each of them from the onset (88 cases)?

Village	Ayukaba	Egbekaw	Kembong	Mbatop	Ndekawai	Ossing	Total	%
Initial visit to								
Government health center / hospital	1	5	12	5	2	3	28	31,8
Mission health center / hospital	2	4	1	5	7	5	24	27,3
Drugs pedlers	5		4	4	3	3	19	21,6
Herbalists	2	3		2	2	2	11	12,5
Patent medicine sellers		1			1		2	2,3
Retired nurses		1					1	1,1
Pharmacists		1					1	1,1
Community health center							0	0
Deviners							0	0
Traditional Birth Attendants (TBA's)							0	0
Retired midwives							0	0
Community Health Workers (CHW's)							0	0
Others	2						2	2,3
Total	12	15	17	16	15	13	88	100

1.3.4 What determined your choice (88 cases)?

Reason Village	Cost	Distance	Condition of roads	Belief / habit	Quality of care	Service	Advise from others	Others	Total
Ayukaba	4	4		1	2			1	12
Egbekaw	3	1	1		6	1		3	15
Kembong	2	4			4			1	11
Mbatop	4	3		1	8	2		2	20
Ndekawai	3	3		1	6	2		1	16
Ossing	1	1	1		8			3	14
Total	17	16	2	3	34	5	5	11-5=6	88
%	19,3	18,2	2,3	3,4	38,6	5,7	5,7	6,8	100%

1.4.1 What are the ten most prevailing diseases in Mamfe Central and central Ejagham?

Health unit Diseases	M DH	M UH	M H M	Ke m	Afa	Mb a a	Mb a	Bes A	Nc h	Eg b	Es h	Ba k	Mb a	Aja	Tot
1 Malaria	x	x	x	x	x	x	x	x	x	-	x	x	x	x	13
2 Respiratory tract inf.	x	x	x	x	x	x	x	x		-		x	x	x	11
3 Skin infections		x	x		x	x	x	x	x	-	x	x	x	x	11
4 Gastro-enteritis		x		x	x	x		x	x	-	x	x	x	x	10
5 STD's		x	x	x		x	x	x		-					6
6 Filariasis		x		x	x	x	x			-				x	6
7 Intestinal parasites	x	x	x				x	x	x	-					6
8 Rhuematism		x	x				x		x	-			x		5
9 Typhoid					x			x		-	x				3
10 Tuberculosis				x				x		-				x	3
11 Measels				x						-	x			x	3
12 Hypertension				x				x		-		x			3
Total	3	8	6	8	6	6	7	9	5	0	5	5	5	7	80

Specific objective 2; To determine whether there are variations in the utilization of existing health services related to the season and type of people served.

Variables;

- 2.1 Condition of roads.**
- 2.2 Farming activities.**
- 2.3 Sex.**
- 2.4 Age.**
- 2.5 Educational level.**
- 2.6 Occupation.**

Questions:

2.1.1 Express your opinion of the quality of roads leading to the health services?

Village	Ayukaba	Egbekaw	Kembong	Mbatop	Ndekwei	Ossing	Total	%
Season / accessibility								
Dry season;								
Accessible	7	4	4	6	5	7	33	55
Accessible but difficult	3	5	6	4	5	3	26	43,3
Inaccessible		1					1	1,7
Rainy season;								
Accessible							0	0
Accessible but difficult	6	6	6	6	7	7	38	63,3
Inaccessible	4	4	4	4	3	3	22	36,7
Total	20	20	20	20	20	20	120	200%

2.1.2 In case of any seasonal difference does this influence your choice of health service?

Village	Ayukaba	Egbekaw	Kembong	Mbatop	Ndekwei	Ossing	Total	%
Yes/No								
Yes	4	9	5	3	1	6	28	46,7
No	6	1	5	7	9	4	32	53,3
Total	10	10	10	10	10	10	60	100%

2.1.3 If yes, can you explain?

Village	Ayukaba	Egbekaw	Kembong	Mbatop	Ndekawai	Ossing	Total	%
Changes in health seeking behavior								
Because of the bad roads.	2	7	3	2	1	3	18	64,3
Because of expensive transport.		2	2	1		3	8	28,6
Missing answers	1			1			2	7,1
Total	3	9	5	4	1	6	28	100%

2.2.1 Are you engaged in farming activities?

Village Yes/No	Ayukaba	Egbekaw	Kembong	Mbatop	Ndekawai	Ossing	Total	%
Yes	10	9	9	10	10	10	58	96,7
No	-	1	1	-	-		2	3,3
Total	10	10	10	10	10	10	60	100%

2.2.2 If yes, in which months are highly occupied in your farming activities?

Village Month	Ayukaba	Egbekaw	Kembong	Mbatop	Ndekawai	Ossing	Total	%
January	2	4	6	5	4	4	25	41,7
February	2	6	7	5	4	5	29	48,3
March	6	9	7	8	7	9	46	76,7
April	8	8	6	7	6	9	44	73,3
May	3	4	4	4	5	6	26	43,3
June	5	2	1	4	8	5	25	41,7
July	5	2	1	3	6	5	22	36,7
August	5	2	1	4	5	5	22	36,7
September	4	1	1	5	5	5	21	35
October	4	1	1	7	5	4	22	36,7
November	3	2	1	7	4	5	22	36,7
December		2	1	3	2	3	11	18,3
Total	47	43	37	62	61	65	315	

2.2.3 Does this influence your use of health services in case any disease occurs?

Village Yes/No	Ayukaba	Egbekaw	Kembong	Mbatop	Ndekawai	Ossing	Total	%
Yes	0	0	0	0	0	0	0	0
No	10	10	10	10	10	10	60	100
Total	10	10	10	10	10	10	60	100

2.3.1 How many female / male patients do you consult in a year?

Year Institution	F/M	1996		1997	
		Female	Male	Female	Male
Governmental					
-Urban Health Center Mamfe		3870	2121	4081	1473
-Mamfe District Hospital		2109	1676	1718	1340
-Military Hospital Mamfe		360	500	320 (e)	330 (e)
-Kembong Health Center		739	510	NA	NA
-Afap Health Center		783	700	504	543
Total		7.861	5.507	6.623	3.686
Non-Governmental					
-Gospel Health Center Mamfe		NA	NA	NA	NA
-Presb. Health Center Besong Abang		NA	NA	NA	NA
-Gospel Health Center Mbakang		NA	NA	NA	NA
-Community Health Center Nchang		NA	NA	NA	NA
-Community Health center Egbekaw		NA	NA	NA	NA
-Community Health center Eshobi		NA	NA	NA	NA
-Community Health center Mbakem		NA	NA	NA	NA
-Comm. Health center Ajayukndip		NA	NA	NA	NA
Total		NA	NA	NA	NA
Overall total		NA	NA	NA	NA

2.3.2 Sex of the population interviewed?

Village	Ayukaba	Egbekaw	Kembong	Mbatop	Ndekwai	Ossing	Total	%
F/M								
Female	5	3	7	4	4	5	28	46,7
Male	5	6	3	6	5	5	30	50
Missed answer		1			1		2	3,3
Total	10	10	10	10	10	10	60	100%

2.4.1 How many children, young adults, adults and elderly people do you consult in a year?

Year Classification examples Institution	1996					1997				
	<1	1-5	5-12	12-40	>40	<1	1-5	5-12	12-40	>40
	<1	1-5	5-15	15-45	>45	<1	1-5	5-15	15-45	>45
	<1	1-5	5-...	<1	1-5	5-..
Governmental										
-Urban Health Center Mamfe	1099	1015	757	2967	153	801	866	456	3301	131
-Mamfe District Hospital	436	638	496	1613	602	498	622	348	1188	439
-Military Hospital Mamfe	73	106	74	548	49	53	70	60	438	29
-Kembong Health Center	450	350	153	130	400	200	283	250	100	214
-Afap Health Center	282*	332*	868*			240*	292*	751*		
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Non-Governmental										
-Gospel Health Center Mamfe	532*	1461	6.549			492*	832*	5619		
-Presbyterian Health Center Besong Abang	640	944	6900			642	946	5283		
-Gospel Health Center Mbakang	231*	437*	2.344			365*	498*	2236		
-Community Health Center Nchang	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
-Community Health center Egbekaw	-	-	-	-	-	-	-	-	-	-
-Community Health center Eshobi	-	-	-	-	-	-	-	-	-	-
-Community Health center Bakwelle	40	100	50	110	100	50	95	80	40	35
-Community Health center Mbakem	228	150	100	150	100	200	78	90	200	26
-Comm. Health center Ajayukndip	20	30	50	25	15	25	32	48	22	12
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Overall total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

*Information gathered from the Mamfe health district office.

2.5.1 What is your last obtained graduation (of the population interviewed)?

Level of education	Village	Ayukaba	Egbekaw	Kembong	Mbatop	Ndekwei	Ossing	Total	%
No education		4	1	3	5	4	5	22	36,7
Primary school		1	2		2		2	7	11,7
Secondary school		5	6	7	3	5	3	29	48,3
High school			1			1		2	3,3
First degree								0	0
Masters								0	0
Others								0	0
Total		10	10	10	10	10	10	60	100%

2.6.1 What is your occupation (of the population interviewed)?

Village	Ayukaba	Egbekaw	Kembong	Mbatop	Ndekwei	Ossing	Total	%
Occupation								
Farmer	8		8	9	8	7	40	64,5
Trader			1		1	2	4	6,5
Retired		1	1	1		1	4	6,5
Housewife	1	2				1	4	6,5
Student	1	1			1		3	4,8
Electricien		1				1	2	3,2
Teacher		2					2	3,2
Laundry man		1					1	1,6
Civil servant		1					1	1,6
Technician		1					1	1,6
Total	10	10	10	10	10	12	62	100%

Specific objective 3. To identify factors related to the health services offered that makes them either attractive or not attractive to the population.

Variables;

- 3.1 The dedication of health service workers.**
- 3.2 Availability of health workers.**
- 3.3 The quality of care given by the health workers.**
- 3.4 The level of training, functioning and influence of the VHC / HMC.**
- 3.5 Waiting time.**
- 3.6 Opening hours.**
- 3.7 Available facilities.**
- 3.8 Available equipment.**
- 3.9 Availability of drugs (“modern” health services).**
- 3.10 The cost of health services.**
- 3.11 The (tracking) distance from house to health center.**

Questions:

3.1.1 How would you score the presence of health workers during working hours?

Health service Presence	Government services		Private services				Total	%
	Total	%	Health centers		Others			
	Total	%	Total	%	Total	%		
90-100%	7	25,9	16	64	x	x	23	44,2
80-90%	19	70,4	6	24	x	x	25	48,1
below 80%	1	3,7	2	8	x	x	3	5,8
Missed answer	0	0	1	4	x	x	1	1,9
Total	27		25				52	100%

3.1.2 How would you classify the attitude of health workers towards patients?

Health service Attitude	Government services		Private services				Total	%
			Health centers		Others			
	Total	%	Total	%	Total	%		
Friendly	17	28,3	51	85	65	54,2	133	55,4
Reserved	17	28,3	3	5	9	7,5	29	12,1
Indifferent	17	28,3	1	1,7	6	5	24	10
I do not know	9	15	5	8,3	40	33,3	54	22,5
Total	60	99.9%	60	100%	120	100%	240	100%

3.2.1 How many health workers are working in your health service?

See question 1.1.3

3.2.2 Is the number of health workers working in the following health services to serve you adequately enough?

Health service Nr of HW	Government services		Private services				Total	%
			Health centers		Others			
	Total	%	Total	%	Total	%		
Enough	11	18,3	22	36,6	32	26,7	65	27,1
Average	12	20	20	33,3	16	13,3	48	20
Too little	29	48,3	12	20	28	23,3	69	28,8
I do not know	8	13,3	6	10	43	35,8	57	23,8
Missed answer					1	0,8	1	0,4
Total	60	99.9%	60	99.9%	120	99.9%	240	100.1%

3.2.3 Is the number of health workers working in your health service to serve the patients adequately enough?

Health service Nr of HW	Government services		Private services				Total	%
			Health centers		Others			
	Total	%	Total	%	Total	%		
More then enough	0	0	1	3,8	11	8,2	12	6,4
Just enough	3	11,1	19	73,1	99	73,9	121	64,7
Too little	24	88,8	6	23,1	22	16,4	52	27,8
Missed answer	0	0	0	0	2	1,5	2	1,1
Total	27	99.9%	26	100	134	100	187	100%

3.3.1 Can you score the individual capabilities of your health staff?

Health service Capabilities	Government services		Private services				Total	%
			Health centers		Others			
	Total	%	Total	%	Total	%		
Good	38	59,4	22	57,9	174	80,9	234	73,8
Average	22	34,4	13	34,2	35	16,3	70	22,1
Below average	4	6,3	1	2,6	6	2,8	11	3,5
Missed answer	0	0	2	5,3	0	0	2	0,6
Total	64	100.1%	38*	100%	215	100%	317	100%

*Total number of health workers is scored as 28, while 38 have been scored in relation to their performance.

3.4.1a What are your tasks as an IVHC? (16 members interviewed)

Tasks	IVHC	Mamfe	Kembong	Afap	Total	%
Control cleanness of the compounds / organise campaigns.	4	4	3	2	9	25
Inspect and organise the digging of toilets.	4	4	3		7	19,4
Control management of the health center.	3	3		2	5	13,9
Control the community pharmacy.	4	4		1	5	13,9
Dissemination of information to the villagers on the usage of health centers.	2	2	1	2	5	13,9
Pay cleaners to clean the compound of the health center.	2	2			2	5,6
Health education activities.	1	1			1	2,8
Organise vaccination campaigns.	1	1			1	2,8
Control the quality of food sold in the village.			1		1	2,8
Total	21	21	8	7	36	

3.4.1b What are your tasks as a VHC?

(In the following villages there is no VHC: Eshobi, Ewelle, Mbakang and Ogomoko)

VHC	Aj a (4)	Ay u (3)	Ba k (4)	B. A. (5)	Eg b (1)	Eb a (1)	E. N. (5)	M ba ke (2)	M ba t (4)	Mf u (4)	M kp (4)	Nc h (6)	Nd e (4)	Nt e (3)	Ok o (3)	Os s (6)	Ta l	T O T	%
Control cleanness of the compounds / organise campaigns.	2	3	4	4		1	4	1	4	4	4	5	3	2	3	6	3	53	33,3
Inspect and organise the digging of toilets.	2	1	2	4		1	2		2	3	4	6	2	2		4	1	36	22,6
Control the quality of food sold in the village.		1		3			1			3	1		3	1		4		17	10,7
Health education activities.	1	1	1	1			2	1		2	1	3			1		2	16	10,1
Control management of the health center / post.			7					1				1		1	1		1	12	3,1
Others	2			2			1			1	2			1		2		11	6,9
Control source and quality of drinking water.		1		1			1		1	1		1						6	3,8
Organise vaccination campaigns.			1											2		1	1	5	3,1
Employ and supervise health workers.	1				1		1											3	1,9
Total	8	7	15	15	1	2	12	3	7	14	12	16	8	9	5	17	8	159	-

3.4.2a Did you receive any kind of training from the Government to carry out these tasks and on what subjects?

IVHC	Mamfe	Kembong	Afap	Total	%
Yes/No					
Yes	5	1	1	7	43,8
No	4	3	2	9	56,3
Total	9	4	3	16	100.1%

Subjects	IVHC	Mamfe	Kembong	Afap	Total	%
Keeping clean the compound.	1	1			2	66,6
Organising, building and inspecting toilets.	1	1			2	66,6
Management of community pharmacy.	1	1			2	66,6
Health education.	1			1	2	66,6
Roles of the executive IVHC.	1				1	33,3
How to organise people.	1				1	33,3
The concept of PHC.	1				1	33,3
Management of the health center.	1				1	33,3
Management of funds.				1	1	33,3
Sensitisation of the population about the usage of the health centers.				1	1	33,3
Total	8	3	3	3	14	-

3.4.2b Did you receive any kind of training from the Government to carry out these tasks and on what subjects?

Training	VHC	Aj a (4)	Ay u (3)	Ba k	B. A. (5)	Eg b (1)	Eb a 1	E. N. (5)	M ba ke	M ba t(4)	Mf u	M kp	Nc h (6)	Nd e (4)	Nt e (3)	Ok o	Os s (6)	Ta l	To tal	%
Yes		2	1	1	2	0	1	1	0	0	2	0	1	1	1	0	1	1	15	24,2
No		2	2	3	3	1	0	4	2	4	2	4	5	3	2	3	5	2	47	75,8
Total		4	3	4	5	1	1	5	2	4	4	4	6	4	3	3	6	3	62	100

Subjects	Aj a (2)	Ay u (1)	Ba k	B. A. 2.	Eg b (0)	Eb a	E. N. (1)	M ba ke	M ba t(0)	Mf u (2)	M kp 0	Nc h (1)	Nd e (1)	Nt e (1)	Ok o 0	Os s (6)	Ta l	To tal	%
Health education	2	1					1			2				1				7	21,2
Keeping clean the village		1		1						2			1			1		6	18,2
Financial management health center / post	1		1									1		1			1	5	15,2
Others		1		1						2								4	12,1
Building toilets										2						1		3	9,1
Management of drugs health center / post	2																	2	6,1
Assisting health workers	1					1												2	6,1
Participating in community work														1				1	3
Concept of PHC												1						1	3
First aid / when there is no doctor													1					1	3
Management VHC				1														1	3
Total	6	3	1	3	0	1	1	0	0	8	0	2	2	3	0	2	1	33	-

3.4.3a Was the training sufficient / insufficient to prepare you for your tasks (IVHC)?

IVHC Yes/No	Mamfe	Kembong	Afap	Total	%
Yes	3	0	0	3	42,9
No	2	0	1	3	42,9
Missed answer	0	1	0	1	14,3
Total	5	1	1	7	100.1%

3.4.3b Was the training sufficient / insufficient to prepare you for your tasks (VHC)?

IVHC Yes/No	Aja (2)	Ayu (1)	Baki	B.A.	Egb (0)	Eba	E.N. (1)	Mbake	Mbat (0)	Mfu	Mkp	Neh (1)	Nde (1)	Nte (1)	Ok o	Oss (1)	Tal	Total	%
Yes	1	0	0	2	0	1	1	0	0	2	0	0	1	1	0	1	0	10	66,6
No	1	1	1	-	0	0	0	0	0	0	0	1	0	0	0	0	1	5	33,3
Total	2	1	1	2	0	1	1	0	0	2	0	1	1	1	0	1	1	15	99,9

3.4.4a Has each IVHC member been fulfilling his / her tasks and achieved its goals in '96 / '97?

IVHC Yes/No	Mamfe	Kembong	Afap	Total	%
Yes	5	3	2	10	62,5
No	3	0	1	4	25
I do not know	1	1	0	2	12,5
Total	9	4	3	16	100%

3.4.4b Has each VHC member been fulfilling his / her tasks and achieved its goals in '96 / '97?

VHC Yes/No	Aja	Ayu	Baki	B.A.	Egb	Eba	E.N.	Mbake	Mbat	Mfu	Mkp	Neh	Nde	Nte	Ok o	Oss	Tal	Total	%
Yes	1	3	3	5	1	1	4	2	3	3	4	6	4	3	3	3	1	50	80,6
No	3	0	1	0	0	0	1	0	1	1	0	0	0	0	0	3	2	12	19,4
Total	4	3	4	5	1	1	5	2	4	4	4	6	4	3	3	6	3	62	100

3.4.5a What were the problems faced by the IVHC?

Problems	IVHC	Mamfe	Kembong	Afap	Total	%
No regular meetings IVHC.	1				1	10
No incentives for the IVHC members.	1				1	10
No means of communication.	1				1	10
No means of movement.	1				1	10
President exercises autocracy / bad working relationship president and members.	1				1	10
Mismanagement of funds	1				1	10
Long travel distances for the IVHC members (to operate).	1				1	10
Aggressive attitude towards IVHC members by the population, when the IVHC carries out clean ups campaigns or inspects toilets.			1		1	10
Community members resist to participate in clean up calls.				1	1	10
The president died in 1997; small breakdown IVHC.				1	1	10
Total	7	1	2	10	10	100%

3.4.5b What were the problems faced by the VHC?

Problems	VHC	Aj a (2)	Ay u (1)	Ba k	B. A 2.	Eg b (0)	Eb a	E. N. (1)	M ba ke	M ba t(0)	Mf u (2)	M kp 0	Nc h (1)	Nd e (1)	Nt e (1)	Ok o 0	Os s (6)	Ta l	To tal	%
Low cooperation villagers			3	1	3	1		3		1	4	3	1	1	2		4		27	27,6
Low motivation VHC members		4		1	2			1		5	1			1	2	1	4	2	24	24,5
Lack of finance		1	2		2			2		1	2	1	3		1	1	2	1	19	19,4
Management problems health center / post		1		2				1	1				2						7	7,1
Mismanagement funds		2						1							1				4	4,1
Difficult to punish defaulters													1	1		1			3	3,1
No incentive / salary VHC members		1														1	1		3	3,1
No training received					1					1									2	2
Provision of latrines													2						2	2
No provision of water supply												1							1	1
No housing facilities to carry out activities															1				1	1
No health facilities														1					1	1
Others							1	1			1							1	4	4,1
Total		9	5	4	8	1	1	9	1	8	8	5	9	4	7	4	11	4	98	100

3.4.6a Do your activities influence the health situation positively in your health area (IVHC)?

IVHC	Mamfe	Kembong	Afap	Total	%
Yes/No					
Yes	5	3	3	11	68,8
Limited	2	1	0	3	18,8
No	2	0	0	2	12,5
Total	9	4	3	16	100.1%

3.4.6b Do your activities influence the health situation positively in your health area (VHC)?

VHC Yes/No	Aj a	Ay u	Ba k	B. A.	Eg b	Eb a	E. N.	M ba ke	M bat	Mf u	M kp	Nc h	Nd e	Nt e	Ok o	Os s	Ta l	To tal	%
Yes	3	2	3	3		1	5	2	4	2	3	6	3	1	2	4		44	71
Limited		1	1	1	1	0		0		2	1		1	2	1	2	3	16	25,8
No	1			1														2	3,2
Total	4	3	4	5	1	1	5	2	4	4	4	6	4	3	3	6	3	62	100

3.4.7a If yes, can you explain?

IVHC Explanation	Mamfe	Kembong	Afap	Total	%
Management and distribution of cheap and good quality drugs.	1			1	33,3
Population has access to vaccinations.	1			1	66,6
The cleanness of the village has improved.	1			1	66,6
The rate of diseases has reduced.	1	1	1	3	100
More pregnant women make use of the health centers.	1			1	66,6
The population is more aware of health issues / threats and solutions to health problems.			1	1	66,6
The cleaning up of the village compounds sends away mosquito's and snakes.			1	1	66,6
Total	5	1	3	8	

3.4.7b If yes, can you explain?

VHC Explanation	Aja (2)	Ayu (1)	Bak	B.A 2.	Egb (0)	Eba	E.N. (1)	Mbake	Mbat(0)	Mfu (2)	Mkp 0	Nch (1)	Nde (1)	Nte (1)	Ok o	Oss	Tal	Total	%
The village is kept clean	3	1	2				3	1	1	2	4	2	2	3	1	3	1	29	30,2
Construction of toilets	1			2			2	1	1	2	2		1	1		2		15	15,6
Reduced spread of diseases	2	1		2		1	2		3	1	1	6	1	1	2	3	1	27	28,1
Improved usage of health centers / posts		1	3					1						1				6	6,3
Most of the population is responding to activities		1																1	1
Increase of vaccinated children							1											1	1
Good quality drinking water							2		1							1		4	4,2
Improve quality of food sold to the population				3						1						2		6	6,3
Others		1			1		1					1	1		1	1		7	7,3
Total	6	5	5	7	1	1	11	3	6	6	7	9	5	6	4	12	2	96	100

3.4.8a How many hours a month do you spend on IVHC related activities?

IVHC Hours	Mamfe	Kembong	Afap	Total	%
<8	8	0	3	11	68,8
8-16	1	3	0	4	25
>16		1	0	1	6,3
Total	9	4	3	16	100.1%

3.4.8b How many hours a month do you spend on VHC related activities?

VHC Hours	Aja	Ayu	Bak	B.A	Egb	Eba	E.N	Mbake	Mbat	Mfu	Mkp	Nch	Nde	Nte	Ok o	Oss	Tal	Total	%
<8	4	3	4	4	1	1	5	2	4	4	4	3	3	2	2	3	3	52	83,9
8-16								0		0	0	1	1	1	1	1		5	8,1
>16				1								2				2		5	8,1
Total	4	3	4	5	1	1	5	2	4	4	4	6	4	3	3	6	3	62	100.1

3.4.9a Does this in any way interfere with your other activities?

IVHC Interference	Mamfe	Kembong	Afap	Total	%
Yes	6	3	1	10	62,5
No	3	1	2	6	37,5
Total	9	4	3	16	100%

3.4.9b Does this in any way interfere with your other activities?

VHC Interf.	Aja	Ayu	Bak	B.A.	Egb	Eba	E.N.	Mbake	Mbat	Mfu	Mkp	Nch	Nde	Nte	Oko	Oss	Tal	Total	%
Yes				2		1	1	1		2	1	1	1	0	3	2	0	15	24,2
No	4	3	4	3	1		4	1	4	2	3	5	3	3	0	4	3	47	75,8
Total	4	3	4	5	1	1	5	2	4	4	4	6	4	3	3	6	3	62	100

3.4.10a Do the other activities hinder you in fulfilling your tasks as an IVHC member?

IVHC Hindrance	Mamfe	Kembong	Afap	Total	%
Yes	2	1	0	3	18,8
No	7	3	3	13	81,3
Total	9	4	3	16	100.1%

3.4.10b Do the other activities hinder you in fulfilling your tasks as a VHC member?

VHC Hindr.	Aja	Ayu	Bak	B.A.	Egb	Eba	E.N.	Mbake	Mbat	Mfu	Mkp	Nch	Nde	Nte	Oko	Oss	Tal	Total	%
Yes				0			1	1		1	0	0	0	1	0	0	0	4	6.5
No	4	3	4	5	1	1	4	1	4	3	4	6	4	2	3	6	3	58	93,5
Total	4	3	4	5	1	1	5	2	4	4	4	6	4	3	3	6	3	62	100

3.4.11a If yes, can you explain?

Explanation	IVHC	Mamfe	Kembong	Afap	Total	%
Farming activities are more lucrative and sometimes stop me from going to meetings.		2	1	0	3	100
Total		2	1	0	3	100%

3.4.11b If yes, can you explain?

VHC Explanation	Aja (2)	Ayu (1)	Bak	B.A 2.	Egb (0)	Eba	E.N (1)	Mbake	Mbat(0)	Mfu (2)	Mkp 0	Nch (1)	Nde (1)	Nte (1)	Ok o	Oss	Tal	Total	%
I can not leave my work for VHC meetings							1	1		1				1				4	100
Total							1	1		1				1				4	100

3.4.12a Do you think the population appreciates your work as member of the IVHC?

IVHC Appreciation	Mamfe	Kembong	Afap	Total	%
Yes	9	4	3	16	100
No	0	0	0	0	
Total	9	4	3	16	100%

3.4.12b Do you think the population appreciates your work as member of the VHC?

VHC Appr.	Aja	Ayu	Bak	B.A .	Egb	Eba	E.N .	Mbake	Mbat	Mfu	Mkp	Nch	Nde	Nte	Ok o	Oss	Tal	Total	%
Yes	3	3	4	5	1	1	5	2	4	3	4	6	4	3	3	6	1	58	93,5
No										1							2	3	4,8
I do not know	1																	1	1,6
Total	4	3	4	5	1	1	5	2	4	4	4	6	4	3	3	6	3	62	99,9

3.4.13a Why do you think so?

Explanation	IVHC	Mamfe	Kembong	Afap	Total	%
We are assisting the population.	1				1	8,3
Drugs are available for a cheap price.	1				1	8,3
Population is inquisitive.	2				2	16,7
Good financial management.	1				1	8,3
We are trying to keep the hospital clean.	1				1	8,3
People are participating in our cleaning activities.	1				1	8,3
Because I bring back information to the villages.	1				1	8,3
They are aware of our activities.			2		2	16,7
It is an element of development.				1	1	8,3
Because the population expresses verbally their satisfaction.				1	1	8,3
Total	8	2	2	2	12	99,8

3.4.13 b Why do you think so?

Explanation	VHC	Aj a (2)	Ay u (1)	Ba k	B. A 2.	Eg b (0)	Eb a	E. N. (1)	M ba ke	M ba t(0)	Mf u (2)	M kp 0	Nc h (1)	Nd e (1)	Nt e (1)	Ok o	Os s	Ta l	To tal	%
Expressed by the population			1	3	2		1	3	1	3	1	3		2		1	1		22	27,8
Most of the population is responding to activities			1	1	1				1		1	1	6		1		1	1	15	19
The village is kept clean			2		3	1		1			1	1			1		4		14	17,7
Reduced spread of diseases								1		1	2			1	1				6	7,6
Construction of toilets					3										1		1		5	6,3
The work is not effectively done											1							2	3	3,8
Improve quality of food sold to the population											1						1		2	2,5
Establishment of a health post				1					1										2	2,5
Good quality drinking water								1											1	1,3
Others		3												1	2	2	1		9	11,4
Total		3	4	5	9	1	1	6	3	4	7	5	6	4	6	3	9	3	79	99,9

3.4.14 Have you heard about (I)VHC's?

Population;

Village	Ayukaba	Egbekaw	Kembong	Mbatop	Ndekawai	Ossing	Total	%
Yes/No								
Yes	8	5	10	8	6	10	47	78,3
No	2	5	-	2	4		13	21,7
Total	10	10	10	10	10	10	60	100%

Health staff;

Health service	Government staff	Private Health Center staff	Total	%
Yes/No				
Yes	16	12	28	73,7
No	5	5	10	26,3
Total	21	17	38	100%

3.4.15 If yes what do they do?

Population;

Village	Ayukaba	Egbekaw	Kembong	Mbatop	Ndekawai	Ossing	Total	%
Activity								
Keep clean the environment in the village	6	1	7	7	5	10	36	37,9
Control sanitation system / waste disposal	7	1	3	3	1	2	17	17,9
Supervise and control food handlers	3		2	4	1	2	12	12,6
Give management assistance to health centers / hospitals / community pharmacies (IVHC)		2	5				7	7,4
Health education activities	1	3	1			2	7	7,4
Cleaning compound health center		1	1				2	2,1
Employ health center staff (IVHC)		1					1	1,1
Report to health personnel on outbreaks of diseases		1					1	1,1
Others	1	2		3	3	3	12*	12,6
Total	18	12	19	17	10	19	95	100.1 %

*Vaccination assistance

Health staff;

Health service	Government staff	Private health center staff	Total	%
Activities				
Give management assistance to health centers / hospitals / community pharmacies (IVHC)	13	7	20	33,3
Keep clean the environment in the village	5	5	10	16,7
Health education activities	6	4	10	16,7
Control sanitation system	3	-	3	5
Cleaning compound health center	2	1	3	5
Creates awareness about the importance of the usage of health centers by the population	1	1	2	3,3
Employ health center staff (IVHC)	1	1	2	3,3
Organise drugs in areas without health facilities	-	1	1	1,7
Assist in vaccination campaigns		1	1	1,7
Others	2	6	8	13,3
Total	33	27	60	100%

3.4.16 Do you think they are doing a good job?

Population;

Village	Ayukaba	Egbekaw	Kembong	Mbatop	Ndekawai	Ossing	Total	%
Yes/No								
Yes	8	5	8	8	6	10	45	95,7
No		-	-		-		0	0
I do not know	-	-	2		-		2	4,3
Total	8	5	10	8	6	10	47	100%

Health staff;

Health service	Government staff	Private Health Center staff	Total	%
Yes/No				
Yes	16	11	27	96,4
No		1	1	3,6
Total	16	12	28	100%

3.4.17 Why do you think they are doing a good job?

Population;

Reasons	Village	Ayukaba	Egbekaw	Kembong	Mbatop	Ndekwai	Ossing	Total	%
Decrease of rate of diseases		2	1		3		3	9	16,7
The village is clean through their effort				2	1	2	3	8	14,8
A clean environment prevents (transmission of) diseases		3	1	2		1	1	8	14,8
They install good morals into the population (fines)		1		1			4	6	11,1
If the population does not receive orders nothing will happen				2	1		1	4	7,4
It motivates the health center staff				1				1	1,9
Others		5	3		5	4	1	18	33,3
Total		11	5	8	10	7	13	54	100 %

Health staff;

Reasons	Health service	Government staff	Private health center staff	Total	%
Prevention /transmission of diseases through education		2	2	4	12,5
Health center staff needs assistance		1	3	4	12,5
Health center runs smoothly		2		2	6,3
Improvement of the health status of the population		1	1	2	6,3
The population is aware of the running of health center		1		1	3,1
Mortality rate is influenced positively		1		1	3,1
It reduces drugs abuse		1		1	3,1
If the population does not receive orders nothing will happen		1		1	3,1
Creates awareness about problems faced by the population amongst government workers		1		1	3,1
Others		9	6	15	46,9
Total		20	12	32	100

3.5.1 How long do you have to wait in the following health services from the moment of arrival till a health worker attends to you?

Government health services;

Village	Ayukaba	Egbekaw	Kembong	Mbatop	Ndekawai	Ossing	Total	%
Waiting time								
< 5 minutes after arrival =short	3	1	4	1		1	10	16,7
5-30 minutes after arrival =reasonable	3	3	2		4	5	17	28,3
> 30 minutes after arrival =long	3	6	4	9	6	3	31	51,7
I do not know	1					1	2	3,3
Total	10	10	10	10	10	10	60	100%

Private health centers;

Village	Ayukaba	Egbekaw	Kembong	Mbatop	Ndekawai	Ossing	Total	%
Waiting time								
< 5 minutes after arrival =short	5	4	8	6	5	4	32	53,3
5-30 minutes after arrival =reasonable	5	5		4	3	5	22	36,7
> 30 minutes after arrival =long			1		1	1	3	5
I do not know		1	1		1		3	5
Total	10	10	10	10	10	10	60	100%

Traditional healers;

Village	Ayukaba	Egbekaw	Kembong	Mbatop	Ndekawai	Ossing	Total	%
Waiting time								
< 5 minutes after arrival =short	4	3	8	5	4	4	28	46,7
5-30 minutes after arrival =reasonable		1			1	1	3	5
> 30 minutes after arrival =long					1		1	1,7
I do not know	6	6	2	5	4	5	28	46,7
Total	10	10	10	10	10	10	60	100.1%

Private workers;

Village	Ayukaba	Egbekaw	Kembong	Mbatop	Ndekwei	Ossing	Total	%
Waiting time								
< 5 minutes after arrival =short	9	8	9	7	9	10	52	86,7
5-30 minutes after arrival =reasonable				1			1	1,7
> 30 minutes after arrival =long							0	
I do not know	1	2	1	2	1		7	11,7
Total	10	10	10	10	10	10	60	100.1 %

3.6.1 What are the opening hours of your health service?

Health center/post/hospital;

Days	Working days	Saturday	Sunday
Health center/post/hospital			
Governmental			
-Adm. Mamfe Health District	7.30-3.30	Closed	Closed
-Mamfe District Hospital	7.30-3.30	Closed	Closed
-Military Hospital Mamfe	7.30-3.30	On call	On call
-Urban Health Center Mamfe	7.30-3.30	7.30-3.30	Closed
-Health Center Kembong	7.30-3.30	Indefinite	Indefinite
-Health Center Afap	7.00-3.00 (24 H)	7.00-3.00 (24 H)	7.00-3.00 (24 H)
Non-Governmental			
-Gospel Health Center Mamfe	7.00-till finished (not on Tu / Thur)	Closed	Closed
-Presb. Health Center Bes. Abang	7.30AM-11.00 PM	7.30-12.00	Closed
-Gospel Health Center Mbakang	7.00-till finished (not on Tu / Thur)	Closed	Closed
-Comm. Health Center Nchang	8AM-7PM	8AM-7PM	8AM-7PM
-Comm. Health center Egbekaw	-	-	-
-Comm. Health center Eshobi	-	-	-
-Comm. Health center Bakwelle	Any time	Any time	Any time
-Comm. Health center Mbakem	8AM-10AM 12 noon-3PM	Closed	Closed
-Comm Health center Ajayukndip	8AM-11AM	Closed	Closed

Private workers;

Private workers	Tr	Hb	Dev	Tba	PP	Rn	Rm	chw	MS	Ph	Pms	Dp	Tot	%
Opening hours														
Any time somebody calls me		70		4		4	4	2				8	92	68,7
Mor / Aft		7	1			1						2	11	8,2
Mor / Aft / Eve		3								1	4	1	9	6,7
Mor / Eve		3									2	4	9	6,7
Morning		3	1				1					2	7	5,2
Afternoon		1										1	2	1,5
Aft / Eve						1					1		2	1,5
1-2 days a week			1									1	2	1,5
Total		87	3	4		6	5	2		1	7	19	134	100

3.7.1 How would you score the quality of the basic facilities available?

Government health services;

Village	Ayukaba	Egbekaw	Kembong	Mbatop	Ndekawai	Ossing	Total	%
Quality								
Sufficient			1	1	4		6	10
Average	3	4	5	7	2	4	25	41,7
Insufficient	3	5	4	2	3	3	20	33,3
I do not know	4	1			1	3	9	15
Total	10	10	10	10	10	10	60	100%

Private health centers;

Village	Ayukaba	Egbekaw	Kembong	Mbatop	Ndekawai	Ossing	Total	%
Quality								
Sufficient	3	3	2	6	5	7	26	43,3
Average	3	7	5	3	2	3	23	38,3
Insufficient	2		1	1			4	6,6
I do not know	2		2		3		7	11,6
Total	10	10	10	10	10	10	60	99,8%

Traditional healers;

Village	Ayukaba	Egbekaw	Kembong	Mbatop	Ndekawai	Ossing	Total	%
Quality								
Sufficient							0	0
Average			3	1	2	1	7	11,6
Insufficient	3	3	2	5		2	15	25
I do not know	7	7	5	4	8	7	38	63,3
Total	10	10	10	10	10	10	60	99,9%

Private workers;

Village	Ayukaba	Egbekaw	Kembong	Mbatop	Ndekawai	Ossing	Total	%
Quality								
Sufficient			1		3	1	5	8,3
Average	2			1	1	1	5	8,3
Insufficient	2	3	4	3	1	3	16	26,6
I do not know	6	7	5	6	5	5	34	56,7
Total	10	10	10	10	10	10	60	99,9%

Health services;

Health service Quality	Government services		Private services				Total	%
			Health centers		Others			
	Total	%	Total	%				
Sufficient	0	0	11	42,3	-	-	11	20,8
Average	7	25,9	7	26,9	-	-	14	26,4
Insufficient	20	74,1	8	30,8	-	-	28	52,8
Total	27	100%	26	100%	-	-	53	100%

3.7.2 How would you score the quantity of the basic facilities available?

Government health services;

Village	Ayukaba	Egbekaw	Kembong	Mbatop	Ndekawai	Ossing	Total	%
Quantity								
Sufficient	3	2	4		1	1	11	18,3
Average		1	1	3	3	4	12	20
Insufficient	5	6	5	7	4	3	30	50
I do not know	2	1			2	2	7	11,6
Total	10	10	10	10	10	10	60	99,9%

Private health centers;

Village	Ayukaba	Egbekaw	Kembong	Mbatop	Ndekawai	Ossing	Total	%
Quantity								
Sufficient	1	2	2	5	2	2	14	23,3
Average	6	4	3	4	4	7	28	46,7
Insufficient	2	3	2	1	1	1	10	16,7
I do not know	1	1	3		3		8	13,3
Total	10	10	10	10	10	10	60	100%

Traditional healers;

Village	Ayukaba	Egbekaw	Kembong	Mbatop	Ndekawai	Ossing	Total	%
Quantity								
Sufficient			1	1	1		3	5
Average							0	0
Insufficient	3	2	5	5	2	3	20	33,3
I do not know	7	8	4	4	7	7	37	61,7
Total	10	10	10	10	10	10	60	100%

Private workers;

Village	Ayukaba	Egbekaw	Kembong	Mbatop	Ndekawai	Ossing	Total	%
Quantity								
Sufficient					2		2	3,3
Average				2	1	1	4	6,6
Insufficient	4	3	5	2		4	18	30
I do not know	6	7	5	6	7	5	36	60
Total	10	10	10	10	10	10	60	99,9%

Health services;

Health service Quantity	Government services		Private services				Total	%
			Health centers		Others			
	Total	%	Total	%				
Sufficient	1	3,7	10	38,5	-	-	11	20,8
Average	11	40,7	4	15,4	-	-	15	28,3
Insufficient	15	55,6	12	46,2	-	-	27	50,9
Total	27	100%	26	100.1%	-	-	53	100%

3.7.3 What is actual available in the health services?

Checklist basic equipment;

Health service Item	MDH	MUH	MHM	Kem	Afa	Mba a	Mba	Bes A
Gloves	A	A		NA		100	>500	10
Bed pans	A	1		4	NA	NA	6	1
Beds	A	10	14	18	10	NA	10	10
Mattresses	A	10	10	12	10	NA	NA	9
Baby cot	A	10	NA	14	2	NA	NA	14
Tables	A	4	6	4	2	5	9	10
Chairs	A	5	12	6	5	9	>10	6
Delivery bed	A	1	NA	3	1	NA	2	2
Tap	A	2	4	1	6	4	4	1
Screens	A	2	NA	NA	NA	1	2	2
Cupboard	A	2	NA	3 (1 bad)	NA	9	5	4
Refridgerator	A	NA	NA	3 (2 bad)	1	1	1	2 (1 bad)
Benches	NA		6	NA				>20

3.8.1 How would you score the quality of the medical equipment available?

Government health services;

Village	Ayukaba	Egbekaw	Kembong	Mbatop	Ndekawai	Ossing	Total	%
Quality								
Sufficient	1	1	3		2	2	9	15
Average	4	2	2	4	1	2	15	25
Insufficient	2	5	2	4	5	2	20	33,3
I do not know	3	2	3	2	2	4	16	26,7
Total	10	10	10	10	10	10	60	100%

Private health centers;

Village	Ayukaba	Egbekaw	Kembong	Mbatop	Ndekawai	Ossing	Total	%
Quality								
Sufficient	7	2	5	5	5	6	30	50
Average	3	4	1	4	2	3	17	28,3
Insufficient		2	1				3	5
I do not know		2	3	1	3	1	10	16,7
Total	10	10	10	10	10	10	60	100%

Traditional healers;

Village	Ayukaba	Egbekaw	Kembong	Mbatop	Ndekawai	Ossing	Total	%
Quality								
Sufficient							0	0
Average				1			1	1,7
Insufficient		1	1	2			4	6,7
I do not know	10	9	9	7	10	10	55	91,7
Total	10	10	10	10	10	10	60	100,1 %

Private workers;

Village	Ayukaba	Egbekaw	Kembong	Mbatop	Ndekawai	Ossing	Total	%
Quality								
Sufficient						1	1	1,7
Average							0	0
Insufficient	4	3	2	3	1	3	16	26,7
I do not know	6	7	8	7	9	6	43	71,7
Total	10	10	10	10	10	10	60	100,1 %

Health service;

Health service Quantity	Government services		Private services			Total	%
			Health centers		Others		
	Total	%	Total	%			
Sufficient	2	7,4	13	50	-	15	28,3
Average	8	29,6	5	19,2	-	13	24,5
Insufficient	17	63	8	30,8	-	25	47,2
Total	27	100%	26	100%	-	53	100%

3.8.2 How would you score the quantity of the medical equipment available?

Government health services;

Village	Ayukaba	Egbekaw	Kembong	Mbatop	Ndekawai	Ossing	Total	%
Quantity								
Sufficient		1	3	1			5	8,3
Average	2	1	1	3	2	2	11	18,3
Insufficient	5	7	5	6	4	6	33	55
I do not know	3	1	1		4	2	11	18,3
Total	10	10	10	10	10	10	60	99,9%

Private health centers;

Village	Ayukaba	Egbekaw	Kembong	Mbatop	Ndekawai	Ossing	Total	%
Quantity								
Sufficient	5	2	4	4	4	2	21	35
Average	4	5	4	6	3	5	27	45
Insufficient	1	2				1	4	6,6
I do not know		1	2		3	2	8	13,3
Total	10	10	10	10	10	10	60	99,9%

Traditional healers;

Village	Ayukaba	Egbekaw	Kembong	Mbatop	Ndekawai	Ossing	Total	%
Quantity								
Sufficient							0	0
Average	1		1				2	3,3
Insufficient		2		1		1	4	6,6
I do not know	9	8	9	9	10	9	54	90
Total	10	10	10	10	10	10	60	99,9%

Private workers;

Village	Ayukaba	Egbekaw	Kembong	Mbatop	Ndekawai	Ossing	Total	%
Quantity								
Sufficient	1						1	1,7
Average				1			1	1,7
Insufficient	5	2	3	2	1	5	18	30
I do not know	4	8	7	7	9	5	40	66,7
Total	10	10	10	10	10	10	60	100.1%

Checklist medical equipment;

Health service Item	Nch	Egb	Esh	Bak	Mbake	Aja
Sphygmomanometer	NA	NA	NA	NA	1	NA
Stethoscope	NA	NA	NA	NA	1	NA
Thermometer	2	A	2	1	1	1
Kidney dishes	NA	NA	NA	NA	2	NA
Microscope	NA	NA	NA	NA	NA	NA
Sterilizer	NA	NA	NA	NA	NA	NA
Foetuscope	NA	NA	NA	1	1	NA
Catheters	NA	NA	NA	NA	NA	NA
Pulsameter	NA	NA	NA	NA	NA	NA
Forceps	NA	NA	2	NA	2	NA
Scale	NA	A	NA	NA	NA	NA
Centrifuge	NA	NA	NA	NA	NA	NA
Baby scale	1	NA	1	1	NA	1
Delivery kit	NA	NA	NA	NA	NA	NA
Trolley	NA	NA	NA	NA	NA	NA
X-ray	NA	NA	NA	NA	NA	NA
Dental equipment	NA	NA	NA	NA	NA	NA
Hot water bottle	NA	NA	NA	NA	NA	NA
Ambu bag	NA	NA	NA	NA	NA	NA
Dacser	NA	NA	NA	NA	NA	NA
Circumcision set	NA	NA	NA	NA	NA	NA

Checklist medical equipment;

Health service Item	Rn 1	Rn 2	Rn 3	Rn 4	Rn 5	Rn 6	Rm 1	Rm 2	Rm 3	Rm 4	Rm 5
Sphygmomanometer	1		1				1	1	1	1	1
Stethoscope	2		1				1	1	1	1	1
Thermometer	3	1			2	1		2	1	1	3
Kidney dishes							4	2	2	2	2
Microscope	1		1								
Sterilizer			1								
Foetuscope							1	1	1	1	
Catheters							1				
Pulsameter											
Forceps	5		4		1	3	5	4	4	6	
Scale					1			1	1	1	
Centrifuge											
Baby scale											1
Delivery kit											
Trolley											
X-ray											
Dental equipment											
Hot water bottle							1				
Ambu bag											
Dacser											
Circumcision set				-							
Stove				-							
Stich remover scissors				-				1	1		
(Surgical) scissors	2			-	1		1		1	3	
Sterilising drum				-					1	1	
Silver bowl				-					1		
Gali pot			2	-					1		
Silver trays				-					2		
Hemoglobine measurer				-						1	
Vaginal speculum	1		1	-							

3.9.1 How would you score the availability of drugs in the public and private health services?

Government health service;

Village	Ayukaba	Egbekaw	Kembong	Mbatop	Ndekawai	Ossing	Total	%
Drugs								
Sufficient			2		1		3	5
Average	5	3	1	4	2	3	18	30
Insufficient	3	6	7	5	4	6	31	51,6
I do not know	2	1		1	3	1	8	13,3
Total	10	10	10	10	10	10	60	99,9%

Private health center;

Village	Ayukaba	Egbekaw	Kembong	Mbatop	Ndekawai	Ossing	Total	%
Drugs								
Sufficient	7	6	7	8	7	7	42	70
Average	3	3	2	2	1	3	14	23,3
Insufficient							0	0
I do not know		1	1		2		4	6,7
Total	10	10	10	10	10	10	60	100%

Traditional healers;

Village	Ayukaba	Egbekaw	Kembong	Mbatop	Ndekawai	Ossing	Total	%
Drugs								
Sufficient	3	1	4	7	1	5	21	35
Average	1	1	2	1	1		6	10
Insufficient							0	0
I do not know	6	8	4	2	8	5	33	55
Total	10	10	10	10	10	10	60	100%

Private workers;

Village	Ayukaba	Egbekaw	Kembong	Mbatop	Ndekawai	Ossing	Total	%
Drugs								
Sufficient					1		1	1,7
Average	3	3	1	7	1	4	19	31,7
Insufficient	5	4	7	1	5	6	28	46,7
I do not know	2	3	2	2	3		12	20
Total	10	10	10	10	10	10	60	100.1%

3.9.2 How would you score the availability of essential or traditional drugs in your own health service?

Drugs	Health service		Private services				Total	%
	Government services		Health centers		Others			
	Total	%	Total	%				
80-100%	5	18,5	11	42,3	65	48,5	81	43,3
60-80%	17	63	10	38,5	52	38,8	79	42,2
Less then 60%	5	18,5	5	19,2	16	11,9	26	13,9
Missed answer					1	0,7	1	0,5
Total	27	100%	26	100%	134	99,9%	187	99,9%

3.9.3 What drugs are actual available in the health services?

See question 3.10.3.

3.10.1 How would you score the cost of treatment in the following health services?

Government health services;

Village	Ayukaba	Egbekaw	Kembong	Mbatop	Ndekawai	Ossing	Total	%
Drugs								
Sufficient	5	5	6	3	3	3	25	41,7
Average	3	3	2	2	2	2	14	23,3
Insufficient		2	2	5	4	3	16	26,7
I do not know	2				1	2	5	8,3
Total	10	10	10	10	10	10	60	100%

Private health centers;

Village	Ayukaba	Egbekaw	Kembong	Mbatop	Ndekawai	Ossing	Total	%
Drugs								
Sufficient	3	6	3	8	6	5	31	51,7
Average	7	4	3	2	2	4	22	36,7
Insufficient			3		1	1	5	8,3
I do not know			1		1		2	3,3
Total	10	10	10	10	10	10	60	100%

Traditional healers;

Village	Ayukaba	Egbekaw	Kembong	Mbatop	Ndekawai	Ossing	Total	%
Drugs								
Sufficient	2	3	4	5	4	4	22	36,7
Average	1	1	1	2	1	1	7	11,7
Insufficient	2		2	1			5	8,3
I do not know	5	6	3	2	5	5	26	43,3
Total	10	10	10	10	10	10	60	100%

Checklist with essential drugs;

Item	Nch	Egb	Esh	Bak	Mbake	Aja
Paracetamol	10			10	12,5	10
Aspirin	16				17	15
Chloroquin	10			10	17	15
Amoxicillin 250/500				../100		50/..
Bactrim	50			50	50	50
Vermox	40			30	20	20
Folic Acid	10				10	15
Chloramphenecol					75	300(tube)
Mutivit	10					
Doxycycline						50
Ascabiol						500 (120mg)
Fulcin						
Notozine					25	
Fansidar						
Quinine sulphate						
Antacid						
Esidrex						
Metronidazol						
Indocid						

Checklist with essential drugs;

Item	RM	RM	RM	RM	RN	RN	RN	RN	RN	RN
Paracetamol	10	10	10	10	10	10		10		
Aspirin	10	10	10		10	10	5	10		
Chloroquin	10	10	10	10	10	10		17		
Amoxicillin 250/500	50/..	50/100		50/..	../100			50/..		
Bactrim	50	30	50	30	40			50		
Vermox	50	25	50	30	50	A				
Folic Acid	10	10	10	20	10			10		
Chloramphenecol	NA	30			25	50				
Doxycycline	-	25								
Ascabiol	NA	NA	NA		400/100 ml	200/100 ml				
Fulcin	NA	100								
Notozine	NA	NA								
Fansidar										
Quinine sulphate			20							
Antacid								15		
Esidrex										
Metronidazol	25		50	30			30	50		
Indocid				25				15		
Magnesium	25									
Multivit	10									
Penicillin										
Vit B complex				10						
Novalgine				500				20		
Ferous				10						
Nivaquine							10			

Checklist with essential drugs;

Item	Dp	Dp	Dp	Dp	Dp	Dp	Dp	Dp	Dp
Paracetamol	10	10	10	10	10	10	10	10	10
Aspirin	10	10	15	20	10	10		20	
Chloroquin			10	10	10	10		10	10
Amoxicillin 250/500					../100			../100	NA
Bactrim	100	50	50		50		20		NA
Vermox			25						
Folic Acid	10	10	10	10	10	10	10		15
Chloramphenecol				25	50			25	NA
Doxycycline								100	
Ascabiol					NA				
Fulcin					150				NA
Notozine					10				NA
Fansidar	200		325					80	
Quinine sulphate			50					50	
Antacid									
Esidrex									
Metronidazol								50	25
Indocid		10	10		10	10		20	
Novagine	30	50					25		
Vit B complex	10	10		10			10		
Ferous	10	10		10		10			
Multivit	100		10	10	10	10			
Ampecillin 250/500	../100	40/..						50/100	
Penicillin		50		50					
Nivaquine		10							10
Co-trimoxazol				25				50	

Checklist with essential drugs;

Item	Dp	Dp	Dp	Dp	Dp	Dp	Dp	Dp	Dp	Dp
Paracetamol	10	20	10	10	10	10	20	10	10	10
Aspirin	10	20	25	15	10	10		10	10	25
Chloroquin	10	10	12.5	10	10	10		10	10	13
Amoxicillin 250/500	../100				../50	50/..				
Bactrim	50	25	50	30	50		40	NA	25	50
Vermox		10	15	50	35	10	45	30		
Folic Acid	10	10	10	10	10			10	10	10
Chloramphenecol	50	25	50		25		70	50		
Doxycycline		10								
Ascabiol	NA									
Fulcin	200			300						
Notozine										10
Fansidar	NA	400		25						
Quinine sulphate	50		75				40			
Antacid										
Esidrex										
Metronidazol	25			25	50				25	50
Indocid							20		10	
Ampicillin		50	50	50		25		50	50	
Multivit		10			10	10		10		

Checklist with essential drugs;

Item	Ph	PMS	PMS	PMS	PMS	PMS	PMS	PMS
Paracetamol	10	10	10	10	10	10	10	10
Aspirin	10	10	10	10	10	A	17	10
Chloroquin	10	10	A	10	10		12.5	10
Amoxicillin 250/500	../100	../100	50/..	25/50	50/100	../125	../100	50/100
Bactrim	50	50	50	30	50	50	50	50
Vermox	50	50	10	10	50			
Folic Acid	10	10	25	5	10		10	10
Chloramphenicol	50	25	25	25	25	50	50	25
Doxycycline			A	30	100			
Ascabiol	600/100 ml		A	1.800/100ml	A			
Fulcin			50	50	150			
Notozine			50	NA	10		10	10
Fansidar		100						
Quinine sulphate								25
Antacid								
Esidrex								
Metronidazol							50	25
Indocid							10	10

3.11.1 How far do you have to track / travel to reach the following health services?

Government health services;

Village	Ayukaba	Egbekaw	Kembong	Mbatop	Ndekwai	Ossing	Total	%
Distance								
< 5 km.	3	7	10	1			21	35
5-10 km.	6	3		7	5	3	24	40
> 10 km.	1			2	4	7	14	23,3
I do not know					1		1	1,7
Total	10	10	10	10	10	10	60	100%

Private health centers;

Village	Ayukaba	Egbekaw	Kembong	Mbatop	Ndekwai	Ossing	Total	%
Distance								
< 5 km.	5	8			4		17	28,3
5-10 km.	3	1	7	4	4	6	25	41,7
> 10 km.	2	1	2	6	2	4	17	28,3
I do not know			1				1	1,7
Total	10	10	10	10	10	10	60	100%

Traditional healers;

Village	Ayukaba	Egbekaw	Kembong	Mbatop	Ndekawai	Ossing	Total	%
Distance								
< 5 km.	7		6	10	5	7	35	58,3
5-10 km.		1					1	1,7
> 10 km.		3					3	5
I do not know	3	6	4		5	3	21	35
Total	10	10	10	10	10	10	60	100%

Private workers;

Village	Ayukaba	Egbekaw	Kembong	Mbatop	Ndekawai	Ossing	Total	%
Distance								
< 5 km.	6	7	9	3	9	10	44	73,3
5-10 km.		1					1	1,7
> 10 km.	1			3			4	6,7
I do not know	3	2	1	4	1		11	18,3
Total	10	10	10	10	10	10	60	100%

Specific objective 4. To identify socioeconomic and cultural factors that may influence the population's utilization of health services.

Variables;

- 4.1 The income generating capabilities of the health services.**
- 4.2 The management of funds.**
- 4.3 Compensation of VHC's members.**
- 4.4 The economic viability of the population.**

Questions:

- 4.1.1 What was your income in 1996 / 1997:
- 4.1.2 What was your expenditure in 1996 / 1997:

Expenditure/income Institution	Income	Exp.	Bal.	Income	Exp.	Bal.
	1996	1996		1997	1997	
Governmental						
-Urban Health Center Mamfe	339.200	300.000	39.200	456.000	174.900	281.100
-Mamfe District Hospital	NA.	NA.	NA.	2.500.000	700.000	1.800.000
-Military Hospital Mamfe	250.000	300.000	-50.000	250.000	300.000	-50.000
-Kembong Health Center	483.900	399.100	84.800	524.300	510.800	13.500
-Afap Health Center	257.770	105.700	152.070	194.000	116.450	77.550
Total	NA.	NA.	NA.	NA.	NA.	NA.
Non-Governmental						
-Gospel Health Center Mamfe	23.000.000	*		21.800.000	*	
-Presb. Health Center Bes. Abang	NA	NA	NA	NA	NA	NA
-Gospel Health C. Mbakang	8.700.000	29.000.000	2.700.000 *	6.900.000	26.500.000	2.200.000 *
-Comm Health Center Nchang	NA	NA	NA	NA	NA	NA
-Comm Health Center Bakwelle	100.000	35.000		70.000	20.000	
-Comm. Health C. Egbekaw						
-Comm. Health center Eshobi						
-Comm. Health C. Mbakem	NA	NA	NA	NA	NA	NA
-Comm. Health center Ajayukndip	78.000	15.000	63.000			
Total	NA	NA	NA	NA	NA	NA
Overall total	NA	NA	NA	NA	NA	NA

* Including the expenditure and income of Mbakang annex Mamfe.

Inc/Exp IVHC	Income 1996	Expend. 1996	Balance	Income 1997	Expend. 1997	Balance
Mamfe	78.000	34.000	44.000	58.000	21.000	37.000
Kembong	18.000	NA	NA	14.000	NA	NA
Afap	15.000	15.000	0	12.000	12.000	0
Total	111.000	NA	NA	84.000	NA	NA

Inc./Exp VHC	Income 1996	Expend. 1996	Balance	Income 1997	Expend. 1997	Balance
Ajayundip	0	0	0	0	0	0
Ayukaba	10.000	10.000	0	12.000	12.000	0
Bakwelle	100.000	30.000	70.000	NA.	NA.	NA.
Besong Abang	0	0	0	0	0	0
Egbekaw	0	0	0	0	0	0
Ebam	0	0	0	0	0	0
Eyang Nchang	NA	NA	NA	30.000	20.000	10.000
Mbakem	500.000	35.000	465.000	370.000	45.000	325.000
Mbatop	NA	NA	NA	NA	NA	NA
Mfuni	0	0	0	0	0	0
Mkpot	200.000	150.000	50.000	50.000	45.000	5.000
Nchang	45.000 80.000	26.000 NA	19.000 NA	50.000 70.000	30.000 NA	20.000 NA
Ndekwei	NA	NA	NA	NA	NA	NA
Ntenako	12.100	5.500	6.600	6.000	2.500	3.500
Okoyong	0	0	0	0	0	0
Ossing	10.300	5.000	5.300	22.000	6.200	15.800
Talangaye	46.000 23.000	46.000 ?	0 ?	36.000 19.000	36.000 ?	0 ?
Total	NA	NA	NA	NA	NA	NA

4.2.1 How would you score the accountability of the following health services?

Government health services;

Village	Ayukaba	Egbekaw	Kembong	Mbatop	Ndekawai	Ossing	Total	%
Accountability								
Good	3		5	2	4	1	15	25
Reasonable	3	2	1	5	2	3	16	26,7
Poor	2	7	3	1	3	5	21	35
I do not know	2	1	1	2	1	1	8	13,3
Total	10	10	10	10	10	10	60	100%

Private health centers;

Village	Ayukaba	Egbekaw	Kembong	Mbatop	Ndekawai	Ossing	Total	%
Accountability								
Good	6	5	8	9	7	6	41	68,3
Reasonable	2	4		1	1	4	12	20
Poor	1						1	1,7
I do not know	1	1	2		2		6	10
Total	10	10	10	10	10	10	60	100%

Traditional healers;

Village	Ayukaba	Egbekaw	Kembong	Mbatop	Ndekawai	Ossing	Total	%
Accountability								
Good	1	1	3	4	2	3	14	23,3
Reasonable		1	2	2		1	6	10
Poor	1		2	1	1		5	8,3
I do not know	8	8	3	3	7	6	35	58,3
Total	10	10	10	10	10	10	60	99,9%

Private workers;

Village	Ayukaba	Egbekaw	Kembong	Mbatop	Ndekawai	Ossing	Total	%
Accountability								
Good	1	1	3	1	5	3	14	23,3
Reasonable	2	5	1	5	1	4	18	30
Poor	4		4	1	2	2	13	21,7
I do not know	3	4	2	3	2	1	15	25
Total	10	10	10	10	10	10	60	100%

4.3.1 What incentives do you receive per month (IVHC)?

VHC	Mamfe	Kembong	Afap	Total	%
Incentives					
Transport money.	7			7	31,8
Light entertainment.	7	1		8	36,4
Nothing	1	3	3	7	31,8
Total	15	4	3	22	100%

4.3.2 What incentives do you receive per month (VHC)?

Incentives	Aj a (4)	Ay u (3)	Ba k	B. A.	Eg b (1)	Eb a	E. N. (5)	M ba ke	M bat (4)	Mf u	M kp	Nc h (6)	Nd e (4)	Nt e (3)	Ok o	Os s (6)	Ta l	To tal	%
Nothing	4	3	4	5	1	1	5	2	4	4	4	5	3	3	2	6	3	59	95,2
2.500 per year													1					1	1,6
Light entertainment.												1			1			2	3,2
Total	4	3	4	5	1	1	5	2	4	4	4	6	4	3	3	6	3	62	100

4.4.1 How would you score the level of your income?

Village	Ayukaba	Egbekaw	Kembong	Mbatop	Ndekwei	Ossing	Total	%
Drugs								
High	2			1	1		4	6,7
Average	3	1		2	4	6	16	26,7
Low	5	9	10	7	5	4	40	66,7
Total	10	10	10	10	10	10	60	100.1%

4.4.2 Does this allow you to take good care of your (families) health problems?

Village	Ayukaba	Egbekaw	Kembong	Mbatop	Ndekwei	Ossing	Total	%
Drugs								
Yes	7	4	4	9	7	6	37	61,7
No	3	6	6	1	3	4	23	38,3
Total	10	10	10	10	10	10	60	100%