

4F: BENISHANGUL GUMUZ



The HIV/AIDS Epidemic in Benishangul Gumuz Region

Estimates and projections on HIV prevalence and incidence

The HIV prevalence was estimated at 2.8% (3.2% in females and 2.5% in males) in 2005. The HIV prevalence among the urban populations was estimated at 8.6% (9.7% in females and 7.5% in males). The corresponding estimate among the rural population was 2.1% (2.4% in females and 1.9% in males). The estimated HIV incidence was 0.24% in 2005 (0.74 % in urban and 0.24 % in rural areas). The total HIV incidence is expected to remain fairly constant in the subsequent years. However, the HIV incidence in urban areas is expected to remain stable up to 2008 and then slowly increase in the few years that follow. In Benishangul Gumuz region, the urban epidemic is characterized by a gradual increase up to 1999 and by relative stability up to 2002 and then by gradual decline thereafter. On the other hand, the rural epidemic showed stability after having reached the highest levels in the year 2003. Thus, the overall HIV prevalence for the region stabilized over the last years and will remain so for the coming few years.

Estimates and projections on the number of PLWHA , new infections, new AIDS cases and deaths in adults

A total of 9, 151 persons were estimated to be living with HIV/AIDS in the year 2005. The corresponding figures for estimated numbers of new HIV infections, new AIDS cases and AIDS deaths were 1,028,810 and 742 respectively. The estimated number of persons requiring ART for 2005 was 1, 675.

Estimates and projections on the numbers of HIV positive pregnancies and births

There were 798 HIV-positive pregnancies in the region in 2005. Similarly, there were 228 HIV positive births in 2005. The numbers of HIV positive pregnancies will keep on increasing while the total number of HIV positive births will decline in the coming five years. The latter will be due to the effects of the PMTCT program.

Estimates and projections on the numbers of PLWHA, new infections, new AIDS cases and deaths in children

It is estimated that there were a total of 739 children living with HIV, 228 new HIV infections, 145 new AIDS cases and 139 AIDS deaths among children in the region in 2005.

Estimates and projection on the numbers of AIDS orphans

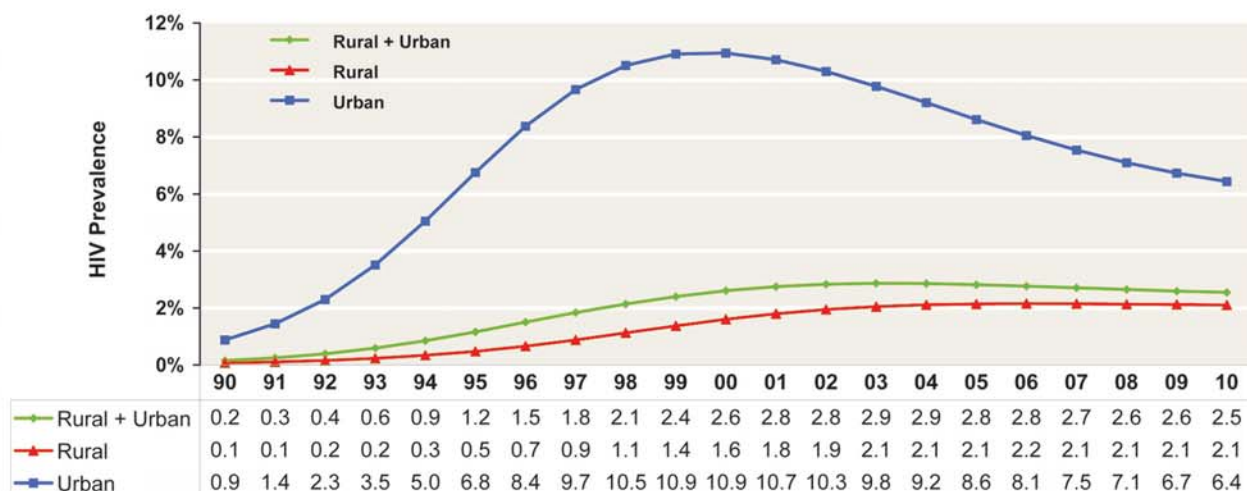
It was estimated that there were a total of 41, 425 orphans in the region in 2005. Of these, were 3, 078 AIDS orphans. Of the AIDS orphans, over one third (1, 136) were dual orphans.

Table 4F1. Major HIV Indicators, Benishangul Gumuz

All Ages							
	2004	2005	2006	2007	2008	2009	2010
Adult prevalence (%)							
Total	2.9	2.8	2.8	2.7	2.6	2.6	2.5
Female	3.2	3.2	3.1	3.1	3.0	2.9	2.9
Male	2.5	2.5	2.4	2.4	2.3	2.3	2.2
HIV-pos population							
Total	8,887	9,151	9,351	9,627	9,928	10,301	10,767
Males	3,963	4,083	4,175	4,301	4,439	4,609	4,818
Females	4,924	5,068	5,176	5,326	5,489	5,692	5,949
HIV-pos pregnant women	791	798	801	810	820	837	861
Annual HIV-pos births	227	228	211	191	171	168	167
New HIV infections							
Total	1,040	1,028	1,023	1,032	1,054	1,100	1,150
Males	495	488	483	483	490	508	530
Females	545	540	540	549	564	592	620
Adult HIV incidence (%)	0.25	0.24	0.24	0.24	0.24	0.25	0.25
New AIDS cases							
Total	746	810	854	886	906	923	937
Males	352	379	395	409	417	423	431
Females	394	431	459	477	489	500	506
Annual AIDS deaths							
Total	670	742	678	676	642	597	646
Males	321	351	319	315	297	276	299
Females	349	391	359	361	345	321	347
Population increase	15,365	15,641	16,093	16,488	16,894	16,488	16,093
ART needs	1,564	1,675	1,756	1,913	2,089	2,307	2,461
Children (0-14 yrs)							
	2004	2005	2006	2007	2008	2009	2010
HIV population							
Total	678	739	790	842	883	922	944
Males	343	374	400	426	448	467	478
Females	335	365	390	416	435	455	466
New HIV infections							
Total	227	228	211	191	171	168	167
Males	115	116	107	97	87	85	85
Females	112	112	104	94	84	83	82
New AIDS cases							
Total	139	145	141	136	129	127	128
Males	70	73	71	69	66	64	65
Females	69	72	70	67	63	63	63
Annual AIDS deaths							
Total	133	139	120	111	100	112	118
Males	67	70	61	57	51	56	60
Females	66	69	59	54	49	56	58
ART Needs	286	288	281	291	308	336	256
Orphans (0-17 yrs)							
	2004	2005	2006	2007	2008	2009	2010
Maternal orphans							
AIDS	1,785	2,181	2,539	2,880	3,175	3,350	3,530
Non-AIDS	17,497	17,659	17,782	17,867	17,916	17,932	17,915
Total	19,282	19,840	20,321	20,747	21,091	21,282	21,445
Paternal orphans							
AIDS	1,701	2,033	2,384	2,722	3,033	3,205	3,374
Non-AIDS	24,629	24,866	25,077	25,245	25,374	25,453	25,489
Total	26,330	26,899	27,461	27,967	28,407	28,658	28,863
Dual orphans							
AIDS	914	1,136	1,342	1,525	1,677	1,755	1,822
Non-AIDS	4,180	4,178	4,165	4,140	4,103	4,054	3,994
Total	5,094	5,314	5,507	5,665	5,780	5,809	5,816
Total orphans	40,518	41,425	42,275	43,049	43,718	44,131	44,492
Total AIDS orphans	2,572	3,078	3,581	4,077	4,531	4,800	5,082

Note: Total orphans = Maternal orphans plus Paternal orphans less Dual orphans.

Figure 4F.1 : Estimated and Projected HIV Prevalence By Year Adult Population 15-49, Urban, Rural, and Total Benishangul G. 1990-2010



Year and Estimated HIV Prevalence Values in Percent

Figure 4F.2: Estimated and Projected Number of New HIV infections, New AIDS Cases, and Annual AIDS Deaths By Year, All Ages, Total Benishangul G.

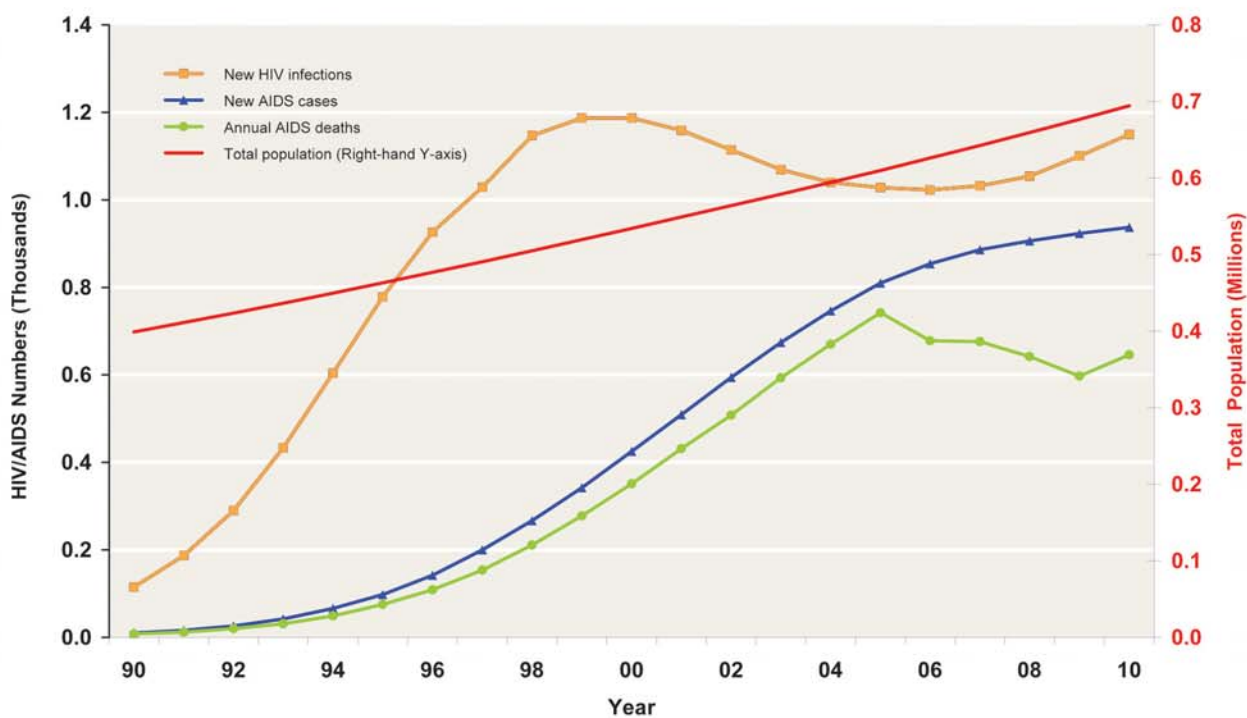


Table 4F2. Major HIV Indicators, Benishangul Gumuz Urban

All Ages							
	2004	2005	2006	2007	2008	2009	2010
Adult prevalence (%)							
Total	9.2	8.6	8.1	7.5	7.1	6.7	6.4
Female	10.4	9.7	9.1	8.5	8.0	7.6	7.3
Male	8.0	7.5	7.0	6.6	6.2	5.9	5.6
HIV-pos population							
Total	2,966	2,923	2,875	2,898	2,935	3,013	3,144
Males	1,333	1,315	1,294	1,305	1,323	1,359	1,417
Females	1,633	1,608	1,581	1,593	1,612	1,654	1,727
HIV-pos pregnant women	234	226	218	216	215	218	225
Annual HIV-pos births	62	59	49	42	36	35	35
New HIV infections							
Total	255	255	256	261	269	284	299
Males	123	121	120	120	124	130	137
Females	132	134	136	141	145	154	162
Adult HIV incidence (%)	0.77	0.74	0.74	0.75	0.76	0.78	0.79
New AIDS cases							
Total	293	301	300	296	288	280	273
Males	134	137	135	134	131	128	126
Females	159	164	165	162	157	152	147
Annual AIDS deaths							
Total	274	287	220	215	186	148	181
Males	127	132	101	98	85	68	83
Females	147	155	119	117	101	80	98
Population increase	2,169	2,238	2,388	2,478	2,595	2,478	2,388
ART needs	600	610	609	658	706	772	832
Children (0-14 yrs)							
	2004	2005	2006	2007	2008	2009	2010
HIV population							
Total	244	256	264	274	279	283	282
Males	124	130	134	139	142	144	143
Females	120	126	130	135	137	139	139
New HIV infections							
Total	62	59	49	42	36	35	35
Males	31	30	25	21	19	18	18
Females	31	29	24	21	17	17	17
New AIDS cases							
Total	42	42	38	36	33	32	32
Males	21	21	19	18	17	16	16
Females	21	21	19	18	16	16	16
Annual AIDS deaths							
Total	40	40	29	27	23	26	28
Males	20	20	15	14	12	13	14
Females	20	20	14	13	11	13	14
ART Needs	85	82	77	82	87	95	64
Orphans (0-17 yrs)							
	2004	2005	2006	2007	2008	2009	2010
Maternal orphans							
AIDS	868	1,018	1,126	1,216	1,272	1,266	1,278
Non-AIDS	1,296	1,319	1,337	1,351	1,361	1,368	1,372
Total	2,164	2,337	2,463	2,567	2,633	2,634	2,650
Paternal orphans							
AIDS	810	933	1,056	1,154	1,227	1,233	1,248
Non-AIDS	1,826	1,874	1,921	1,958	1,988	2,011	2,026
Total	2,636	2,807	2,977	3,112	3,215	3,244	3,274
Dual orphans							
AIDS	394	463	525	574	607	604	603
Non-AIDS	218	221	223	225	225	223	222
Total	612	684	748	799	832	827	825
Total orphans	4,188	4,460	4,692	4,880	5,016	5,051	5,099
Total AIDS orphans	1,284	1,488	1,657	1,796	1,892	1,895	1,923

Note: Total orphans = Maternal orphans plus Paternal orphans less Dual orphans.

Figure 4F.3: Projected Annual No. of Patients Needing ART, by Sex and Age Group, 2005- 2010, Benishangul G. Urban

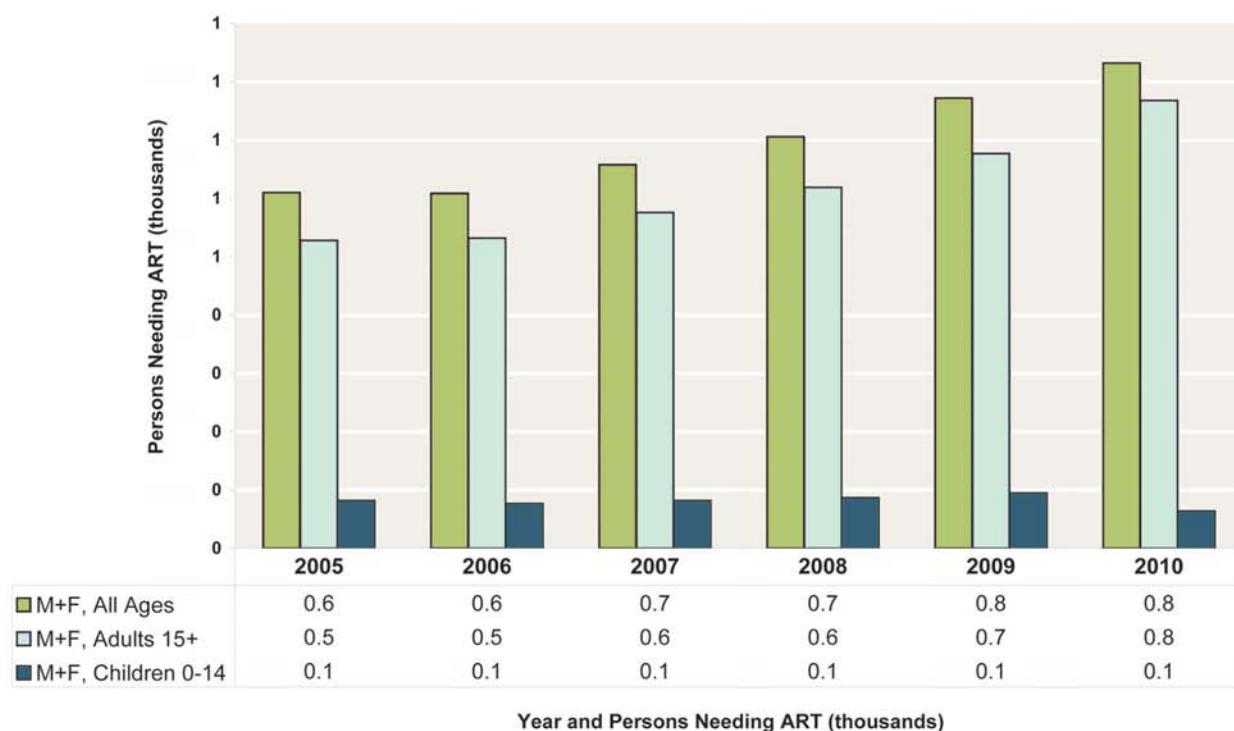


Figure 4F.4: Estimated and Projected Number of New HIV infections, New AIDS Cases, and Annual AIDS Deaths By Year, All Ages, Benishangul G. Urban

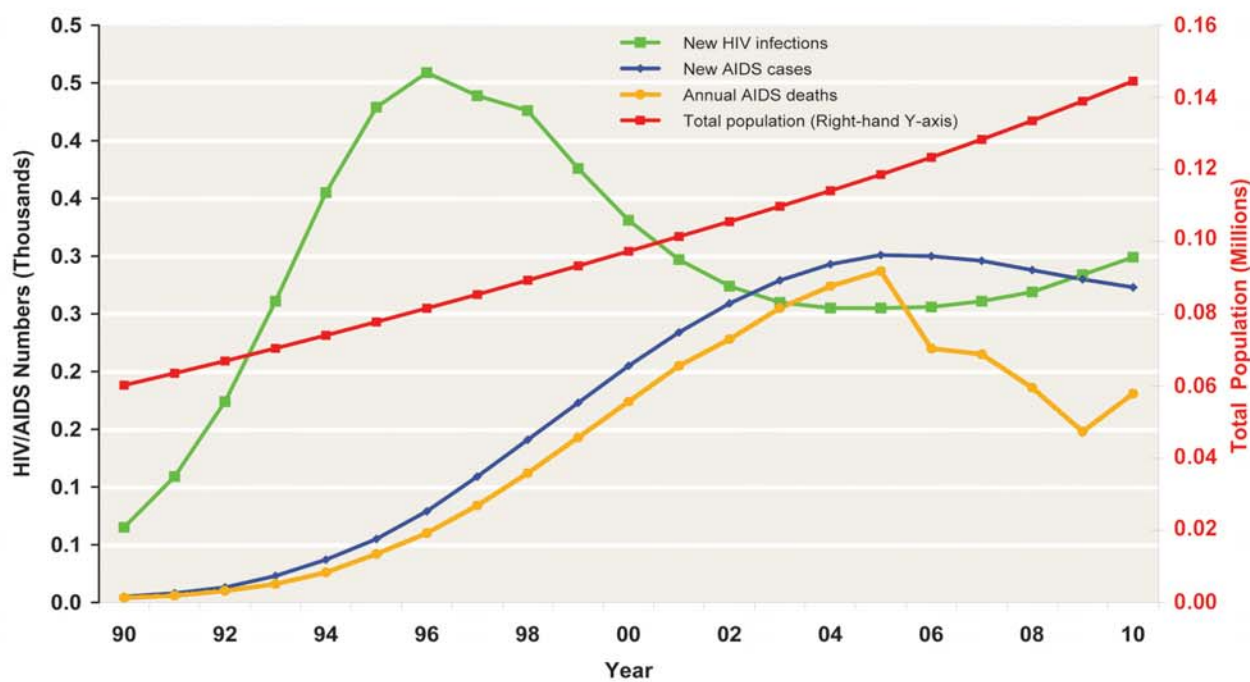
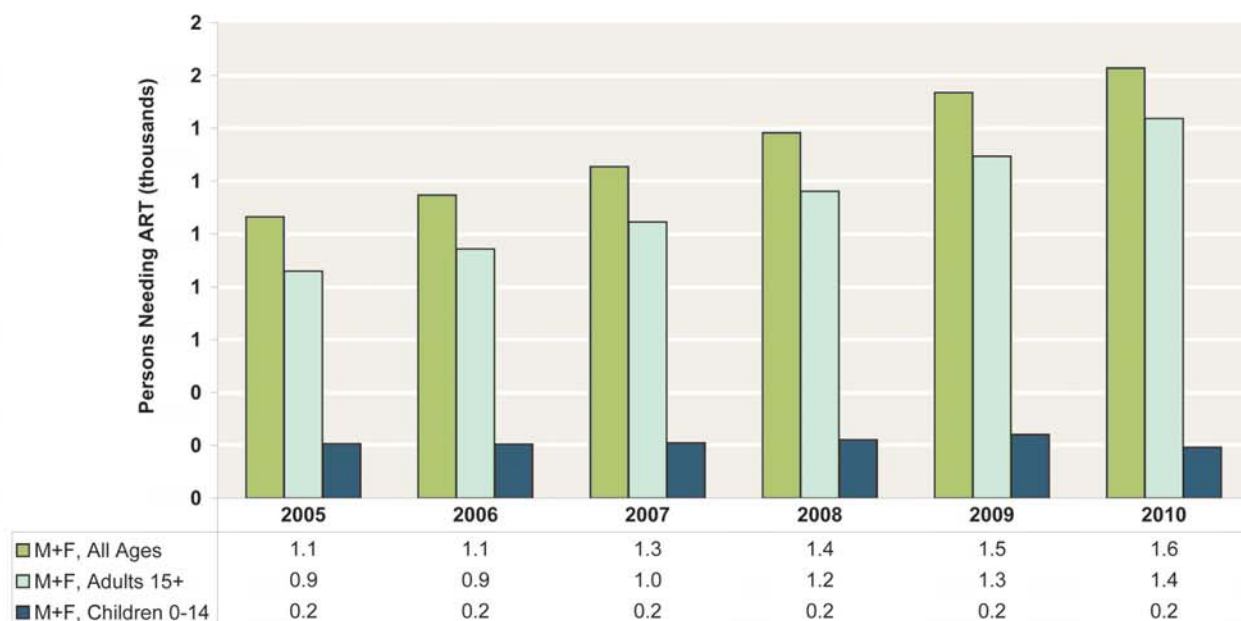


Table 4F3. Major HIV Indicators, Benishangul Gumuz Rural

All Ages							
	2004	2005	2006	2007	2008	2009	2010
Adult prevalence (%)							
Total	2.1	2.1	2.2	2.1	2.1	2.1	2.1
Female	2.4	2.4	2.4	2.4	2.4	2.4	2.4
Male	1.8	1.9	1.9	1.9	1.9	1.8	1.8
HIV-pos population							
Total	5,921	6,228	6,476	6,729	6,993	7,288	7,623
Males	2,630	2,768	2,881	2,996	3,116	3,250	3,401
Females	3,291	3,460	3,595	3,733	3,877	4,038	4,222
HIV-pos pregnant women	557	572	583	594	605	619	636
Annual HIV-pos births	165	169	162	149	135	133	132
New HIV infections							
Total	785	773	767	771	785	816	851
Males	372	367	363	363	366	378	393
Females	413	406	404	408	419	438	458
Adult HIV incidence (%)	0.26	0.24	0.24	0.24	0.24	0.24	0.25
New AIDS cases							
Total	453	509	554	590	618	643	664
Males	218	242	260	275	286	295	305
Females	235	267	294	315	332	348	359
Annual AIDS deaths							
Total	396	455	458	461	456	449	465
Males	194	219	218	217	212	208	216
Females	202	236	240	244	244	241	249
Population increase	13,196	13,403	13,705	14,010	14,299	14,010	13,705
ART needs	964	1,065	1,147	1,255	1,383	1,535	1,629
Children (0-14 yrs)							
	2004	2005	2006	2007	2008	2009	2010
HIV population							
Total	434	483	526	568	604	639	662
Males	219	244	266	287	306	323	335
Females	215	239	260	281	298	316	327
New HIV infections							
Total	165	169	162	149	135	133	132
Males	84	86	82	76	68	67	67
Females	81	83	80	73	67	66	65
New AIDS cases							
Total	97	103	103	100	96	95	96
Males	49	52	52	51	49	48	49
Females	48	51	51	49	47	47	47
Annual AIDS deaths							
Total	93	99	91	84	77	86	90
Males	47	50	46	43	39	43	46
Females	46	49	45	41	38	43	44
ART Needs	201	206	204	209	221	241	192
Orphans (0-17 yrs)							
	2004	2005	2006	2007	2008	2009	2010
Maternal orphans							
AIDS	917	1,163	1,413	1,664	1,903	2,084	2,252
Non-AIDS	16,201	16,340	16,445	16,516	16,555	16,564	16,543
Total	17,118	17,503	17,858	18,180	18,458	18,648	18,795
Paternal orphans							
AIDS	891	1,100	1,328	1,568	1,806	1,972	2,126
Non-AIDS	22,803	22,992	23,156	23,287	23,386	23,442	23,463
Total	23,694	24,092	24,484	24,855	25,192	25,414	25,589
Dual orphans							
AIDS	520	673	817	951	1,070	1,151	1,219
Non-AIDS	3,962	3,957	3,942	3,915	3,878	3,831	3,772
Total	4,482	4,630	4,759	4,866	4,948	4,982	4,991
Total orphans	36,330	36,965	37,583	38,169	38,702	39,080	39,393
Total AIDS orphans	1,288	1,590	1,924	2,281	2,639	2,905	3,159

Note: Total orphans = Maternal orphans plus Paternal orphans less Dual orphans.

Figure 4F.5: Projected Annual No. of Patients Needing ART, by Sex and Age Group, 2005- 2010, Benishangul G. Rural



Year and Persons Needing ART (thousands)
(Figures rounded and may not add up to total)

Figure 4F.6: Estimated and Projected Number of New HIV infections, New AIDS Cases, and Annual AIDS Deaths By Year, All Ages, Benishangul G. Rural

