

4J: ADDIS ABABA



The HIV/AIDS Epidemic in Addis Ababa City

Estimates and projections on HIV prevalence and incidence

Of all regions, Addis Ababa has been collecting ANC-base surveillance data for several rounds that provides the most reliable trend data for HIV surveillance. A new site, Akaki Health Clinic, was added to the four already existing ones in the 2003 round of ANC-based HIV surveillance. The site reported the lowest HIV prevalence of the five sites. The overall modeled HIV prevalence for Addis Ababa was estimated at 11.7% for the year 2005. The estimated HIV incidence was 1.4 % in 2005. The incidence is estimated to rise until 2008 and stabilize thereafter. In Addis Ababa, the epidemic seems to remain stable for the coming 5 years.

Estimated and Projected Number of PLWHA, new infections, new AIDS cases and deaths in Adults

A total of 207,270 were estimated to be living with HIV/AIDS in the years 2005. It is also estimated that there were a total of 20,940 new HIV infections, 22,394 new AIDS cases and 23,045 AIDS deaths in 2005.

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

In Addis Ababa, there were an estimated 7,995 HIV-positive pregnant women, 1,920 HIV positive births, and 45,753 persons requiring ART in 2005. The numbers of HIV positive pregnant women will keep on increasing and that of HIV positive births will decline in the coming five years. The later will be due to the effects of the PMTCT program.

Estimates and Projections for Children

There were estimated total of 13, 707 children living with HIV, 1,920 new HIV infections, 1,758 new AIDS cases, 1,623 AIDS deaths and 3, 682 ART requirements among children 0-14 years in Addis Ababa in 2005. The numbers of new HIV infections, new AIDS cases and AIDS deaths will decline in the coming five years mainly due to the effects of PMTCT program.

Estimated and Projected Number of AIDS Orphans

It was estimated that there were a total of 179, 381 orphans in Addis Ababa in 2005. Of these, the majority (109, 130) were AIDS orphans. Of the AIDS orphans 40, 989 were dual orphans.

Table 4J1. Major HIV Indicators, Addis Ababa

All Ages							
	2004	2005	2006	2007	2008	2009	2010
Adult prevalence (%)							
Total	12.3	11.7	11.3	11.0	10.8	10.7	10.7
Female	13.9	13.2	12.8	12.4	12.2	12.1	12.1
Male	10.7	10.2	9.8	9.6	9.4	9.3	9.3
HIV-pos population							
Total	212,052	207,270	205,350	211,446	222,828	236,701	248,821
Males	94,411	92,293	91,454	94,321	99,437	105,587	110,944
Females	117,641	114,977	113,896	117,125	123,391	131,114	137,877
HIV-pos pregnant women	8,099	7,995	8,035	8,395	8,943	9,615	10,242
Annual HIV-pos births	2,008	1,920	1,592	1,314	1,186	1,238	1,292
New HIV infections							
Total	20,129	20,940	21,819	22,724	23,432	23,691	24,134
Males	8,797	9,241	9,747	10,415	10,692	10,766	11,040
Females	11,332	11,699	12,072	12,309	12,740	12,925	13,094
Adult HIV incidence (%)	1.37	1.40	1.44	1.47	1.49	1.48	1.47
New AIDS cases							
Total	24,108	22,394	20,809	19,553	18,678	18,205	18,047
Males	10,693	10,116	9,579	9,140	8,839	8,662	8,584
Females	13,415	12,278	11,230	10,413	9,839	9,543	9,463
Annual AIDS deaths							
Total	24,698	23,045	15,934	11,248	8,885	11,054	12,640
Males	10,807	10,202	7,166	5,135	4,105	5,152	5,930
Females	13,891	12,843	8,768	6,113	4,780	5,902	6,710
Population increase	57,962	61,421	70,702	77,847	82,508	77,847	70,702
ART needs	48,246	45,753	43,652	46,184	51,792	58,993	61,848
Children (0-14 yrs)							
	2004	2005	2006	2007	2008	2009	2010
HIV population							
Total	13,754	13,707	13,491	13,351	13,181	13,020	12,769
Males	6,899	6,875	6,766	6,697	6,613	6,535	6,411
Females	6,855	6,832	6,725	6,654	6,568	6,485	6,358
New HIV infections							
Total	2,008	1,920	1,592	1,314	1,186	1,238	1,292
Males	1,019	974	808	667	602	628	656
Females	989	946	784	647	584	610	636
New AIDS cases							
Total	1,782	1,758	1,629	1,473	1,353	1,305	1,281
Males	900	888	822	743	683	659	647
Females	882	870	807	730	670	646	634
Annual AIDS deaths							
Total	1,658	1,623	1,079	753	621	723	794
Males	836	819	544	380	313	364	400
Females	822	804	535	373	308	359	394
ART Needs	3,745	3,692	3,499	3,758	4,275	4,847	2,562
Orphans (0-17 yrs)							
	2004	2005	2006	2007	2008	2009	2010
Maternal orphans							
AIDS	76,449	79,697	80,859	79,560	75,986	72,126	68,688
Non-AIDS	26,830	26,792	26,632	26,376	26,057	25,694	25,290
Total	103,279	106,489	107,491	105,936	102,043	97,820	93,978
Paternal orphans							
AIDS	67,262	70,422	74,167	75,663	74,039	71,015	68,323
Non-AIDS	46,357	47,203	47,997	48,543	48,898	49,047	49,138
Total	113,619	117,625	122,164	124,206	122,937	120,062	117,461
Dual orphans							
AIDS	38,520	40,989	43,224	43,710	41,994	39,248	36,553
Non-AIDS	3,710	3,744	3,763	3,751	3,712	3,646	3,566
Total	42,230	44,733	46,987	47,461	45,706	42,894	40,119
Total orphans	174,668	179,381	182,668	182,681	179,274	174,988	171,320
Total AIDS orphans	105,191	109,130	111,802	111,513	108,031	103,893	100,458

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

Figure 4J.1: Projected Annual No. of Patients Needing ART, by Sex and Age Group, 2005- 2010, Addis Ababa

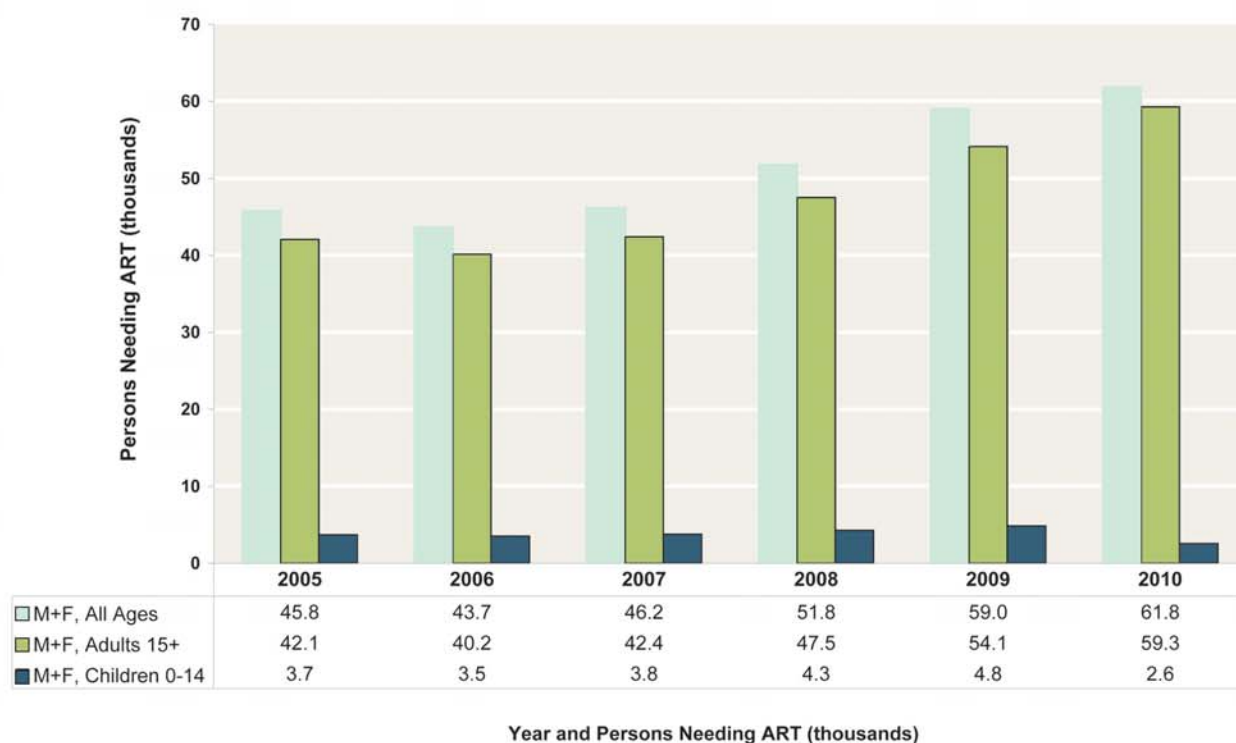


Figure 4J.2: Estimated and Projected Number of New HIV infections, New AIDS Cases, and Annual AIDS Deaths By Year, All Ages, Addis Ababa

