

4G: SNNPR



The HIV/AIDS Epidemic in SNNPR Region

Estimates and projections on HIV prevalence and incidence

The HIV prevalence was estimated at 2.3 % (2.6% in females and 2% in males) in 2005. The HIV prevalence among the urban populations was estimated at 10.2% (11.5% in females and 8.9 % in males). The corresponding estimate among the rural population was 1.5 % (1.7% in females and 1.3 % in males). The estimated HIV incidence was 0.18% in 2005 (1.04 % in urban and 0.15 % in rural areas). The total HIV incidence is expected to slowly increase to its level in 2010 (0.22%). In SNNPR, the urban epidemic is characterized by a gradual increase up to 2001, a relative stability up to 2004 and was projected to show gradual decline in the coming few years. On the other hand, the rural epidemic showed stability between 1997 and 2001 after having reached the highest levels in 1997. Thus, the over all HIV prevalence for the region has been declining over the last few years and will be declining in the coming few years.

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

A total of 175, 877 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 18, 496, 18, 320 and 17, 866 respectively. The estimated number of persons requiring ART for 2005 was 36, 802.

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

There were 16, 226 HIV-positive pregnancies in the region in 2005. Similarly, there were 4, 745 HIV positive births in 2005. The numbers of HIV positive pregnancies and HIV positive births will be declining in the coming five years. The later 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 20, 305 children living with HIV, 4,745 new HIV infections, 3,345 new AIDS cases and 3, 236 AIDS deaths among children in the region in 2005.

Estimates and projections on the numbers of AIDS orphans

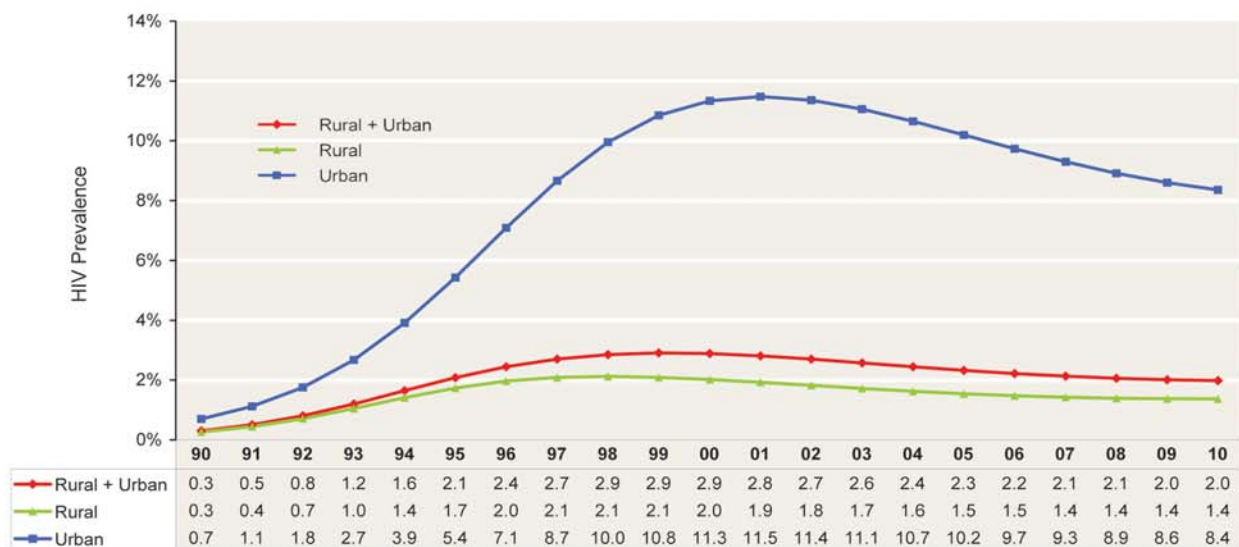
It was estimated that there were a total of 985, 717 orphans in the region in 2005. Of these, 102, 806 were AIDS orphans. Of the ADIS orphans, well over one third (42, 344) were dual orphans.

Table 4G1. Major HIV Indicators, SNNPR

All Ages							
Adult prevalence (%)	2004	2005	2006	2007	2008	2009	2010
Total	2.4	2.3	2.2	2.1	2.1	2.0	2.0
Female	2.8	2.6	2.5	2.4	2.3	2.3	2.2
Male	2.1	2.0	1.9	1.9	1.8	1.7	1.7
HIV-pos population							
Total	176,366	175,877	175,720	178,810	183,670	190,942	200,778
Males	78,921	78,796	78,803	80,265	82,492	85,782	90,183
Females	97,445	97,081	96,917	98,545	101,178	105,160	110,595
HIV-pos pregnant women							
Total	16,627	16,226	15,926	15,920	16,105	16,494	17,108
Annual HIV-pos births							
Total	4,882	4,745	4,202	3,748	3,320	3,269	3,281
New HIV infections							
Total	17,901	18,496	18,996	19,728	20,516	21,739	22,969
Males	8,510	8,682	8,812	9,084	9,406	9,956	10,524
Females	9,391	9,814	10,184	10,644	11,110	11,783	12,445
Adult HIV incidence (%)							
Total	0.18	0.18	0.19	0.20	0.20	0.21	0.22
New AIDS cases							
Total	18,036	18,320	18,229	17,965	17,606	17,389	17,309
Males	8,230	8,332	8,288	8,192	8,079	8,045	8,074
Females	9,806	9,988	9,941	9,773	9,527	9,344	9,235
Annual AIDS deaths							
Total	17,301	17,866	15,420	14,490	13,093	11,747	12,421
Males	7,948	8,146	6,998	6,581	5,965	5,413	5,757
Females	9,353	9,720	8,422	7,909	7,128	6,334	6,664
Population increase							
Total	407,084	417,960	432,410	444,428	456,840	444,428	432,410
ART needs							
Total	36,540	36,802	36,528	38,182	40,436	43,810	46,028
Children (0-14 yrs)							
HIV population	2004	2005	2006	2007	2008	2009	2010
Total	19,442	20,305	20,919	21,567	21,965	22,250	22,170
Males	9,783	10,218	10,527	10,854	11,055	11,202	11,164
Females	9,659	10,087	10,392	10,713	10,910	11,048	11,006
New HIV infections							
Total	4,882	4,745	4,202	3,748	3,320	3,269	3,281
Males	2,477	2,408	2,132	1,902	1,685	1,659	1,665
Females	2,405	2,337	2,070	1,846	1,635	1,610	1,616
New AIDS cases							
Total	3,331	3,345	3,203	3,041	2,866	2,813	2,806
Males	1,686	1,692	1,621	1,539	1,450	1,423	1,419
Females	1,645	1,653	1,582	1,502	1,416	1,390	1,387
Annual AIDS deaths							
Total	3,218	3,236	2,714	2,476	2,210	2,467	2,574
Males	1,626	1,635	1,371	1,251	1,117	1,248	1,301
Females	1,592	1,601	1,343	1,225	1,093	1,219	1,273
ART Needs							
Total	6,732	6,618	6,332	6,530	6,863	7,446	5,611
Orphans (0-17 yrs)							
Maternal orphans	2004	2005	2006	2007	2008	2009	2010
AIDS	66,974	76,789	84,649	91,176	95,796	96,598	97,232
Non-AIDS	402,756	406,999	410,272	412,576	414,114	414,924	414,965
Total	469,730	483,788	494,921	503,752	509,910	511,522	512,197
Paternal orphans							
AIDS	60,786	68,361	76,156	83,265	89,217	90,826	92,125
Non-AIDS	573,780	581,061	587,585	592,985	597,450	600,740	603,000
Total	634,566	649,422	663,741	676,250	686,667	691,566	695,125
Dual orphans							
AIDS	38,295	42,344	45,877	48,741	50,735	50,534	50,109
Non-AIDS	104,867	105,149	105,119	104,712	103,996	102,943	101,573
Total	143,162	147,493	150,996	153,453	154,731	153,477	151,682
Total orphans							
Total	961,134	985,717	1,007,666	1,026,549	1,041,846	1,049,611	1,055,640
Total AIDS orphans							
Total	89,465	102,806	114,928	125,700	134,278	136,890	139,248

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

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



Year and Estimated HIV Prevalence Values in Percent

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

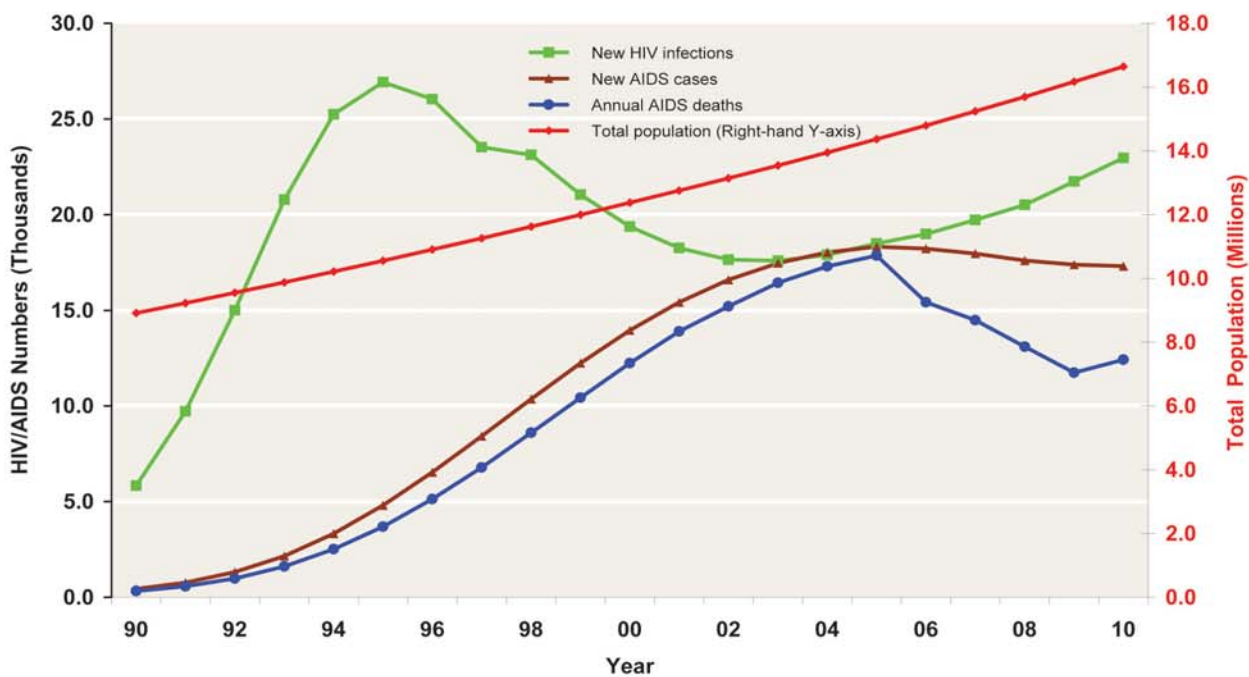


Table 4G2. Major HIV Indicators, SNNPR Urban

All Ages							
	2004	2005	2006	2007	2008	2009	2010
Adult prevalence (%)							
Total	10.7	10.2	9.7	9.3	8.9	8.6	8.4
Female	12.0	11.5	11.0	10.5	10.1	9.7	9.4
Male	9.3	8.9	8.5	8.1	7.8	7.5	7.3
HIV-pos population							
Total	64,329	65,380	66,207	68,345	70,765	74,117	78,642
Males	28,809	29,319	29,721	30,718	31,832	33,359	35,403
Females	35,520	36,061	36,486	37,627	38,933	40,758	43,239
HIV-pos pregnant women	5,855	5,819	5,787	5,860	5,963	6,145	6,415
Annual HIV-pos births	1,689	1,663	1,387	1,221	1,062	1,046	1,060
New HIV infections							
Total	6,728	6,769	6,803	6,980	7,265	7,778	8,269
Males	3,250	3,247	3,221	3,262	3,366	3,583	3,800
Females	3,478	3,522	3,582	3,718	3,899	4,195	4,469
Adult HIV incidence (%)	1.08	1.04	1.04	1.05	1.07	1.10	1.12
New AIDS cases							
Total	5,779	6,151	6,334	6,442	6,473	6,509	6,550
Males	2,709	2,851	2,911	2,945	2,957	2,983	3,019
Females	3,070	3,300	3,423	3,497	3,516	3,526	3,531
Annual AIDS deaths							
Total	5,234	5,685	4,507	4,511	4,022	3,333	4,125
Males	2,487	2,665	2,089	2,077	1,845	1,540	1,901
Females	2,747	3,020	2,418	2,434	2,177	1,793	2,224
Population increase	50,264	52,234	56,047	58,631	61,729	58,631	56,047
ART needs	12,071	12,689	13,051	14,522	15,990	17,913	19,333
Children (0-14 yrs)							
	2004	2005	2006	2007	2008	2009	2010
HIV population							
Total	5,884	6,324	6,648	7,028	7,285	7,523	7,652
Males	2,969	3,191	3,354	3,546	3,676	3,797	3,862
Females	2,915	3,133	3,294	3,482	3,609	3,726	3,790
New HIV infections							
Total	1,689	1,663	1,387	1,221	1,062	1,046	1,060
Males	857	844	704	620	539	531	538
Females	832	819	683	601	523	515	522
New AIDS cases							
Total	1,091	1,109	1,030	964	898	884	894
Males	553	561	522	488	455	448	452
Females	538	548	508	476	443	436	442
Annual AIDS deaths							
Total	1,053	1,071	787	735	642	728	782
Males	533	542	398	372	325	369	396
Females	520	529	389	363	317	359	386
ART Needs	2,243	2,196	2,065	2,233	2,386	2,641	1,787
Orphans (0-17 yrs)							
	2004	2005	2006	2007	2008	2009	2010
Maternal orphans							
AIDS	16,527	20,023	22,820	25,354	27,218	27,635	28,597
Non-AIDS	23,529	23,992	24,378	24,690	24,941	25,138	25,283
Total	40,056	44,015	47,198	50,044	52,159	52,773	53,880
Paternal orphans							
AIDS	14,738	17,526	20,510	23,084	25,197	25,785	26,675
Non-AIDS	33,590	34,619	35,683	36,571	37,366	37,994	38,502
Total	48,328	52,145	56,193	59,655	62,563	63,779	65,177
Dual orphans							
AIDS	7,636	9,304	10,941	12,386	13,515	13,753	14,122
Non-AIDS	4,148	4,222	4,286	4,319	4,328	4,308	4,265
Total	11,784	13,526	15,227	16,705	17,843	18,061	18,387
Total orphans	76,600	82,634	88,164	92,994	96,879	98,491	100,670
Total AIDS orphans	23,629	28,245	32,389	36,052	38,900	39,667	41,150

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

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

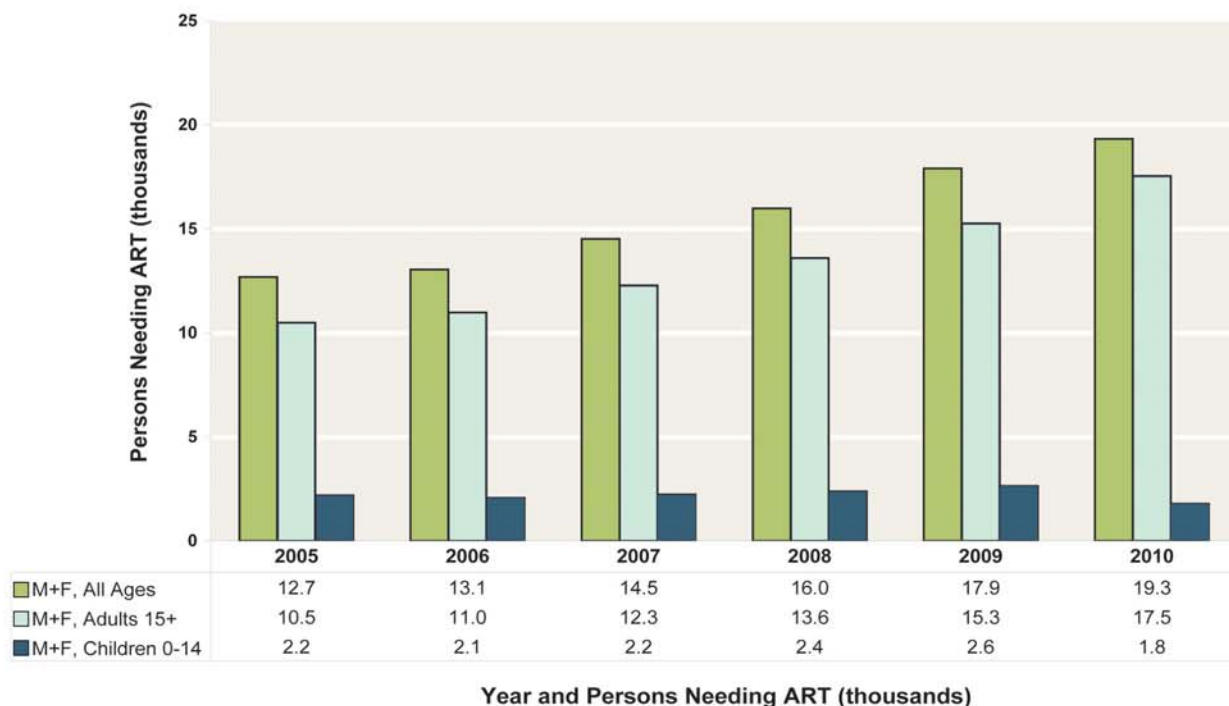


Figure 4G.4: Estimated and Projected Number of New HIV infections, New AIDS Cases, and Annual AIDS Deaths By Year, All Ages, SNNPR Urban

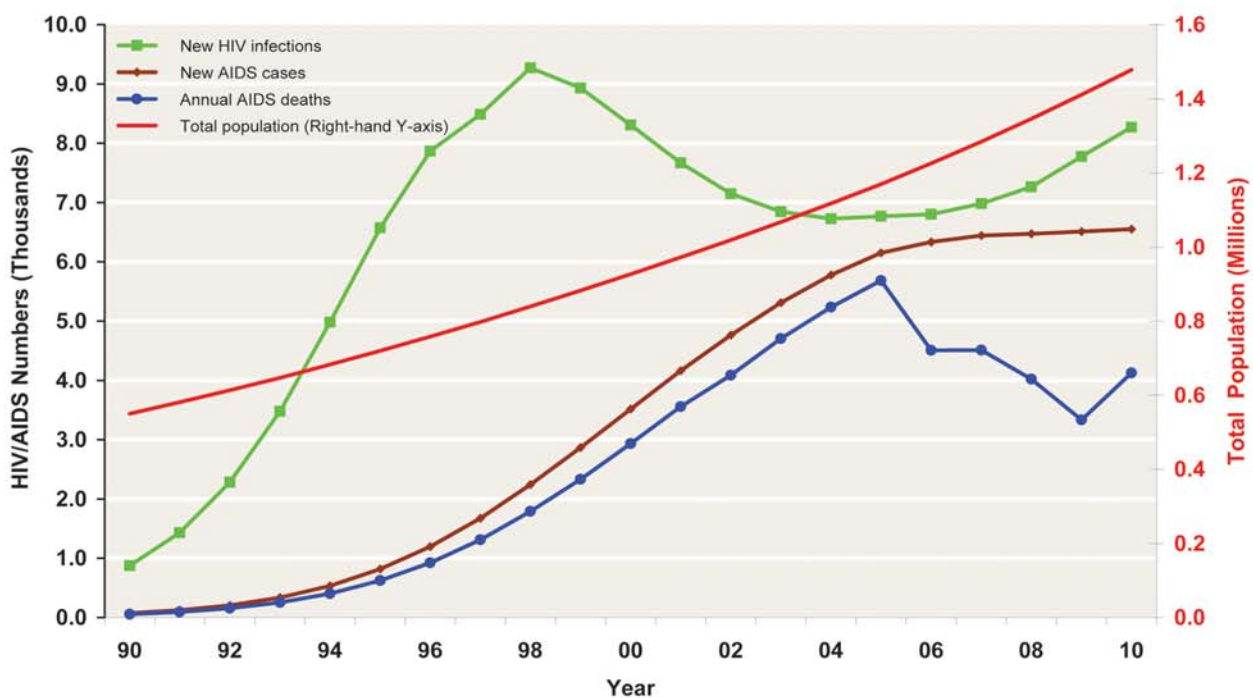
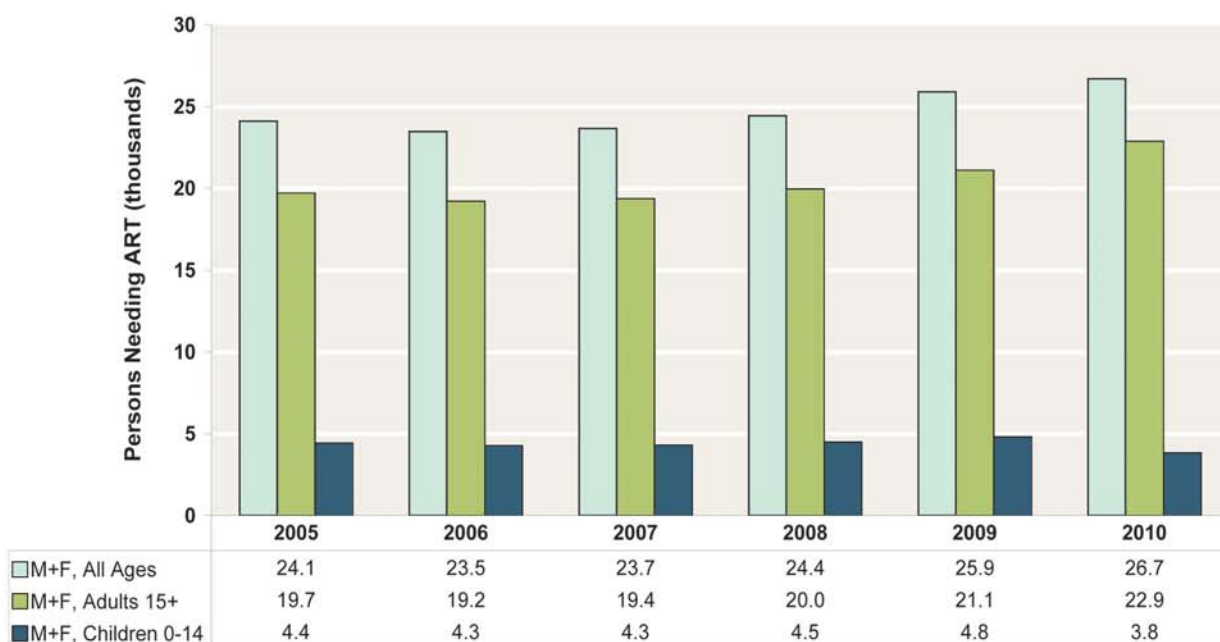


Table 4G3. Major HIV Indicators, SNNPR Rural

All Ages							
	2004	2005	2006	2007	2008	2009	2010
Adult prevalence (%)							
Total	1.6	1.5	1.5	1.4	1.4	1.4	1.4
Female	1.8	1.7	1.7	1.6	1.6	1.6	1.5
Male	1.4	1.3	1.3	1.2	1.2	1.2	1.2
HIV-pos population							
Total	112,037	110,497	109,513	110,465	112,905	116,825	122,136
Males	50,112	49,477	49,082	49,547	50,660	52,423	54,780
Females	61,925	61,020	60,431	60,918	62,245	64,402	67,356
HIV-pos pregnant women	10,772	10,407	10,139	10,060	10,142	10,349	10,693
Annual HIV-pos births	3,193	3,082	2,815	2,527	2,258	2,223	2,221
New HIV infections							
Total	11,173	11,727	12,193	12,748	13,251	13,961	14,700
Males	5,260	5,435	5,591	5,822	6,040	6,373	6,724
Females	5,913	6,292	6,602	6,926	7,211	7,588	7,976
Adult HIV incidence (%)	0.14	0.15	0.16	0.16	0.17	0.18	0.18
New AIDS cases							
Total	12,257	12,169	11,895	11,523	11,133	10,880	10,759
Males	5,521	5,481	5,377	5,247	5,122	5,062	5,055
Females	6,736	6,688	6,518	6,276	6,011	5,818	5,704
Annual AIDS deaths							
Total	12,067	12,181	10,913	9,979	9,071	8,414	8,296
Males	5,461	5,481	4,909	4,504	4,120	3,873	3,856
Females	6,606	6,700	6,004	5,475	4,951	4,541	4,440
Population increase	356,820	365,726	376,363	385,797	395,111	385,797	376,363
ART needs	24,469	24,113	23,477	23,660	24,446	25,897	26,695
Children (0-14 yrs)							
	2004	2005	2006	2007	2008	2009	2010
HIV population							
Total	13,558	13,981	14,271	14,539	14,680	14,727	14,518
Males	6,814	7,027	7,173	7,308	7,379	7,405	7,302
Females	6,744	6,954	7,098	7,231	7,301	7,322	7,216
New HIV infections							
Total	3,193	3,082	2,815	2,527	2,258	2,223	2,221
Males	1,620	1,564	1,428	1,282	1,146	1,128	1,127
Females	1,573	1,518	1,387	1,245	1,112	1,095	1,094
New AIDS cases							
Total	2,240	2,236	2,173	2,077	1,968	1,929	1,912
Males	1,133	1,131	1,099	1,051	995	975	967
Females	1,107	1,105	1,074	1,026	973	954	945
Annual AIDS deaths							
Total	2,165	2,165	1,927	1,741	1,568	1,739	1,792
Males	1,093	1,093	973	879	792	879	905
Females	1,072	1,072	954	862	776	860	887
ART Needs	4,489	4,422	4,267	4,297	4,477	4,805	3,824
Orphans (0-17 yrs)							
	2004	2005	2006	2007	2008	2009	2010
Maternal orphans							
AIDS	50,447	56,766	61,829	65,822	68,578	68,963	68,635
Non-AIDS	379,227	383,007	385,894	387,886	389,173	389,786	389,682
Total	429,674	439,773	447,723	453,708	457,751	458,749	458,317
Paternal orphans							
AIDS	46,048	50,835	55,646	60,181	64,020	65,041	65,450
Non-AIDS	540,190	546,442	551,902	556,414	560,084	562,746	564,498
Total	586,238	597,277	607,548	616,595	624,104	627,787	629,948
Dual orphans							
AIDS	30,659	33,040	34,936	36,355	37,220	36,781	35,987
Non-AIDS	100,719	100,927	100,833	100,393	99,668	98,635	97,308
Total	131,378	133,967	135,769	136,748	136,888	135,416	133,295
Total orphans	884,534	903,083	919,502	933,555	944,967	951,120	954,970
Total AIDS orphans	65,836	74,561	82,539	89,648	95,378	97,223	98,098

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

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



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

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

