

UPDATE

AIDS CASE SURVEILLANCE IN ETHIOPIA: APRIL 30, 1994

National AIDS Control Programme

Ministry of Health

INTRODUCTION

This report- is published by the National AIDS Control Programme on a monthly basis. The major objectives of the publication are to.

.Notify the current status of AIDS epidemic in the country , and provide information for decision making and future planning.

* Provide feedback to health institutions and collaborating agencies in the country . This copy is being distributed free of charge for over 350 government and non-government institutions. From January 1986 to April 1994, a total of 12,402 AIDS cases have been reported by forty-eight hospitals in the country. Other surveillance and research activities carried out in Ethiopia among different population groups have also indicated the extent of the HIV/AIDS epidemic and its progression.

Note (1) you are kindly requested to share the information with your staff. (2) Comments and suggestions are appreciated for improving our reporting system

Table 1. Summary of AIDS Cases reported in Ethiopia, as of 30 April 1994

Variable	Cumulative value
Number of AIDS cases reported	12,402
Number of reporting Hospitals	48
Average age of patients	30.5
Sexually active age group (15-49 yrs)	93.3%
Proportion of paediatric cases (age <15 yrs)	1.6%
Proportion of elderly (age > 60 yrs)	0.9%
Heterosexual transmission	86.6%
Proportion of married people	34.8%
Female to male ratio of total cases	1:1.6
Reported case by A.A hospitals	53.5%
Patients residing in Addis Ababa	41.9%
Major clinical symptoms	
Weight loss of > 10% body weight	88.5%
Prolonged Fever for > month	84.5%
Persistent Cough for > 1 month	67.9%
Chronic Diarrhea for >1 month	61.1%

NB: 1. You are kindly requested to share the information with your staff .
Comments and suggestions are appreciated for improving our reporting system.

Criteria used to diagnose AIDS patients in Ethiopia.

The World Health Organization (WHO) provisional case definition with positive serology test for HIV antibodies is the criteria used to diagnose AIDS. According to the case definition, a patient has to manifest atleast two major and one minor signs and show an HIV positive serology.(See page 9 of the report for the list of major and minor clinical symptoms/signs).

Summary of the report for the month of April

In April 1994 alone, a total of 475 AIDS cases were reported by 14 hospitals; 323 cases were from 9 Addis Ababa hospitals and the remaining 152 cases were from 5 regional hospitals. The following table identifies the number of cases reported during this month, by reporting hospital and region/zone.

Table 2. Distribution of reported AIDS Cases by hospital, for the month of April 1994.

Hospital	Region/Zone	Period of diagnosis	Cases
Alert	Addis Ababa	Oct. 93-Mar. 94	14
Armed Force		Jan. 94-Mar. 94	5
Central Prison		Mar. 94	6
Ethio- Swedish		Apr. 93 - Feb. 94	7
Kolfie TBC		Feb. 93-Mar. 94	7
ST. Paulos		Feb. 94 - Apr. 94	59
ST. Petros		Dec. 93 - Mar. 94	26
Ras Desta		Dec. 93 - Feb. 94	104
Yekatit 12		Nov. 93 - Mar. 94	95
	Sub Total		323
Asella		Feb. 94 - Mar. 94	23
Attat		Mar. 94	13
Bushulo		Oct. 93 - Apr. 94	35
Dessie		Feb. 94 - Apr. 94	74
Wonji		Mar. 94	7
	Sub Total		152
	Total		475

Table 3. AIDS Cases by Quarter of Report.

Year-quarter	Male	Females	Total	Percent
86-1	1	0	1	0.01%
86-2	0	1	1	0.01%
87-1	4	0	4	0.03%
87-2	0	2	2	0.02%
87-3	2	2	4	0.03%
87-4	6	1	7	0.06%
88-1	4	3	7	0.06%
88-2	21	5	26	0.21%

88-3	19	4	23	0.19%
88-4	23	6	29	0.23%
89-1	11	4	15	0.12%
89-2	44	17	61	0.49%
89-3	21	16	37	0.30%
89-4	52	25	77	0.62%
90-1	49	27	76	0.61%
90-2	67	14	81	0.65%
90-3	92	49	141	1.14%
90-4	84	66	150	1.21%
91-1	218	82	300	2.42%
91-2	101	77	178	1.44%
91-3	161	80	241	1.94%
91-4	105	61	166	1.34%
92-1	145	108	253	2.04%
92-2	327	218	545	4.39%
92-3	603	397	1000	8.06%
92-4	909	549	1458	11.76%
93-1	618	403	1021	8.23%
93-2	528	294	822	6.63%
93-3	1030	620	1650	13.30%
93-4	1011	620	1631	13.15%
94-1	1158	762	1920	15.48%
94-2	265	210	475	3.83%
Total	7679	4723	12402	100.00%

Table 4. Distribution of AIDS Cases by Year of Report.

Year	Sex			Sex Ratio Percent of	
	Male	Female	Total	(M:F)	Total
86	1	1	2	1:1	0.02 %
87	12	5	17	2.4:1	0.14%
88	67	18	85	3.7:1	0.69%
89	128	62	190	2.1:1	1.53%
90	292	156	448	1.9:1	3.61%
91	585	300	885	1.9:1	7.14%
92	1984	1272	3256	1.6:1	26.25%
93	3187	1937	5124	1.6:1	41.32%
94	1423	972	2395	1.5:1	19.31%
Total	7679	4723	12402	1.6:1	100.00%

The proportion of female patients being reported has increased since 1992.

Table 5. Age and Sex Distribution of reported AIDS Cases.

Age Group	Sex			Percent
	Males	Females	Total	
0-4	95	94	189	1.52%
5-14	11	10	21	0.17%
15-19	163	529	692	5.58%
20-29	2875	2527	5402	43.56%
30-39	2787	1074	3861	31.13%
40-49	1269	353	1622	13.08%
50-59	383	118	501	4.04%
60+	96	18	114	0.92%
Total	7679	4723	12402	100.00%
(percent)	(61.92%)	(38.08%)		

Average age for females = 27 years, and for males = 32.5 years, and for both sex = 30.5 years.

Table 6. Distribution of Reported AIDS Cases by Marital Status.

Marital Status	Male	Female	Total	Percent
Single	3604	1811	5415	43.66%
Married	2982	1339	4321	34.84%
Divorced	402	955	1357	10.94%
Widowed	57	300	357	2.88%
Pediatric Cases (Age < 15 years)	100	102	202	1.63%
Unspecified	534	216	750	6.15%
Total	7679	4723	12402	100.00%

Table 7. Reported AIDS Cases by Occupation

Occupation type	Males	Females	Both	Percent
Age < 15 Years	100	101	201	1.62%
Armed Forces	1465	33	1498	12.08%
Bar Worker*	74	87	161	1.30%
Daily Labourer	375	121	496	4.00%
Driver	884	5	889	7.17%
Farmer	196	9	205	1.65%
Govt Employee	1348	349	1697	13.68%
House Wife	0	852	852	6.87%
Mechanic	230	3	233	1.88%
Merchant	794	184	978	7.89%
Prisoner	37	0	37	0.30%
Servant/House Maid	14	319	333	2.69%
Sex Worker	0	819	819	6.60%
Student	216	303	519	4.18%
Tella/Tej Seller	10	176	186	1.50%
Other	650	406	1056	8.51%
Unemployed	258	312	570	4.60%
Unspecified	1028	644	1672	13.48%
Total	7679	4723	12402	100.00%

- Bar worker include bar owners and those who are not at high risk as sex workers.

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Table 8. Average number of AIDS cases per month and number of reporting hospitals by year.

Year	Average no. of cases	Reporting hospitals		
	Per month	Addis Ababa	Region	Total
Before 1988	0 to 1	7	0	7
1988	7	13	2	15
1989	16	15	4	19
1990	37	17	14	31
1991	74	17	22	39
1992	269	17	29	46
1993	427	18	30	48
1994		18	30	48
Total	18	30	48	

Tale 9. Distribution of AIDS Cases by Reporting Hospitals and by Year of Report for Addis Ababa.

Reporting Hospitals	Year of Report										Total	Percent
	86	87	88	89	90	91	92	93	94			
Alert	0	1	32	37	61	0	339	224	38	732	11.04%	
Amanuel	0	0	0	0	0	1	6	5	0	12	0.18%	
Armed Force	0	0	0	0	0	0	0	0	5	5	0.08%	
Armed Forces	0	4	3	22	59	164	36	30	8	226	3.41%	
Balcha *	0	0	3	0	0	0	0	0	0	3	0.05%	
Central Comman	0	0	2	0	0	0	11	33	28	74	1.12%	
Central Prison	0	0	0	0	0	0	0	19	23	42	0.63%	
Ethio-Swedish	0	0	5	0	0	3	3	0	7	18	0.27%	
Gandhi	0	0	0	1	0	0	0	0	8	9	0.14%	
Kolfie TBC	0	0	0	0	5	0	0	49	23	77	1.16%	
Minilik II	0	0	0	13	7	0	210	378	149	757	11.42%	
Paulos	0	0	4	0	1	23	18	294	173	513	7.74%	
Petros	0	1	1	4	84	39	76	235	67	507	7.65%	
Police	0	2	1	10	5	36	29	52	38	173	2.61%	
Ras Desta	0	1	0	30	44	106	196	362	211	950	14.33%	
Tatek	0	0	0	0	6	22	0	2	3	33	0.50%	
Tikur Anbessa	0	3	25	47	43	148	148	634	273	1321	19.92%	
Yekaait 12	2	5	3	13	22	16	251	199	99	610	9.20%	
Zewditu	0	0	3	3	21	50	118	273	100	568	8.57%	
Total	2	17	82	180	358	508	1441	2789	1253	6630	100.00%	

- Balcha hospital reported AIDS cases only once.

Table 12. AIDS Cases by Risk Factors.

Risk Factors	Male	Female	Total	Percent
History of Multi-Partner Sexual Contact (MPSC)	6721	4015	10736	86.57%
History of blood Transfusion	69	45	114	0.92%
Maternal HIV or Breast Feeding	90	91	181	1.46%
History of illegal injection	64	57	121	0.98%
IV drug abuse	4	2	6	0.05%
Unspecified	731	513	1244	10.03%

Table 13. Clinical Signs and Symptoms of reported AIDS Cases.

Clinical Manifestation	Male	Females	Total	Percent
MAJOR SYMPTOMS				
Weight loss > 10% of body weight (Failure to thrive)	6765	4212	10977	88.51%
Prolonged Fever for > 1 month	6437	4040	10477	84.48%
Chronic Diarrhoea for > 1 month	4681	2892	7573	61.06%
MINOR SYMPTOMS				
Generalized lymphadenopathy	1996	1034	3030	24.43%
Persistent Cough for > 1 month	5265	3160	8425	67.93%
Skin rashes	118	63	181	1.46%
Tuberculosis (pulmonary and/or Disseminated)	1268	738	2006	16.17%
Recurrent herpes zoster	1133	607	1740	14.03%
Generalized pruritic dermatitis	1250	851	2101	16.94%
Oropharyngeal candidiasis	1547	920	2467	19.89%
Pneumonia (including PCP)	396	219	615	4.96%
Chronic herpes simplex	86	64	150	1.21%
CNS derangement	128	48	176	1.42%
Night sweats & Generalized Body Weakness	111	58	169	1.36%
Loss of appetite	19	6	25	0.20%
Kaposi's Sarcoma	31	8	39	0.31%

