

## **UPDATE**

### **AIDS CASE SURVEILLANCE IN ETHIOPIA: JUNE 30, 1994**

**Epidemiology & AIDS Control Department  
Ministry of Health**

#### **INTRODUCTION**

This report is published by the Epidemiology and AIDS Control Department of MOH on a monthly basis. And distributed free of charge for over 400 government and non-government institutions. 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. From January 1986 to June 30, 1994, a total of 13, 644 AIDS cases have been reported by hospitals in the country .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.

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Note (1) you are kindly requested to share 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 June 1994.**

Variable	Cumulative value
Number of AIDS cases reported	13644
Number of reporting hospitals	51
Average age of patients	30.5
Sexually active age group (15-49 yrs)	93.3%
Proportion of paediatric cases (age <15 yrs)	1.6%
Heterosexual transmission	87.1%
Proportion of married people	35.3%
Female to male ratio of total cases	1:1.6
Reported cases by A. A hospitals	53.5%
Patients residing in Addis Ababa	42.4%
Major clinical symptoms	
Weight Loss of >10% body weight	88.1%
Prolonged Fever for > month	84.4%
Persistent Cough for >1 month	67.8%
Chronic Diarrhea for >1 month	60.7%

#### **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 at least 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 June 1994**

In June 1994 alone, a total of 686 AIDS cases were reported by 16 hospitals; 366 cases were from 6 Addis Ababa hospitals and the remaining 320 cases were from 10 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 June 1994.**

Hospital	Period of diagnosis	Cases
Central Prison	Mar. 94 - May 94	10
Kolfie TBC	May 94 - June 94	22
Menelik II	Apr. 94 - June 94	143
St. Paulos	Apr. 94 - May 94	50
Ras Desta	Mar. 94 - May 94	107
Yekatit 12	Apr. 94 - May 94	34
	Sub Total	366
Attat	May 94	14
Bushulo	Mar. 94 - June 94	13
Dire Dawa	Mar. 94	88
Gimbi	Apr. 94 - June 94	24
Gondar College	April 94 - June 94	78
Heroes Center	May 94	1
Hossan	Mar. 94 - June 94	14
Metehara	Nov. 93 - Apr. 94	21
Nazareth	Feb. 94 - May 94	63
Wonji	May 94 - June 94	4
	Sub Total	320
	Total	686

Table 3: AIDS Cases by Quarter of Report.

Year-quarter	Males	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	0.01%
87-3	2	2	4	0.03%
87-4	6	1	7	0.05%
88-1	4	3	7	0.05%
88-2	21	5	26	0.19%
88-3	19	4	23	0.17%
88-4	23	6	29	0.21%
89-1	11	4	15	0.11%
89-2	44	17	61	0.45%
89-3	21	16	37	0.27%
89-4	52	25	77	0.56%
90-1	49	27	76	0.56%
90-2	67	14	81	0.59%
90-3	92	49	141	1.03%
90-4	84	66	150	1.10%
91-1	218	82	300	2.20%
91-2	101	77	178	1.30%
91-3	161	80	241	1.77%
91-4	105	61	166	1.22%
92-1	145	108	253	1.85%
92-2	327	218	545	3.99%
92-3	603	397	1000	7.33%
92-4	909	549	1458	10.69%
93-1	618	403	1021	7.48%
93-2	528	94	822	6.02%
93-3	1030	620	1650	12.09%
93-4	1011	620	1631	11.95%
94-1	1158	762	1920	14.07%
94-2	1023	694	1717	12.58%
Total	8437	5207	13644	100.00%

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

Year	Sex			Sex Ratio (M:F)	Percent of Total
	Male	Female	Total		
86	1	1	2	1:1	0.01%
87	12	5	17	2.4:1	0.12%
88	67	18	85	3.7:1	0.62%
89	128	62	190	2.1:1	1.39%
90	292	156	448	1.9:1	3.2%
91	585	300	885	1.9:1	6.49%
92	1984	1272	3256	1.6:1	23.86%
93	3187	1937	5124	1.6:1	37.55%
94	2181	1456	3637	1.5:1	26.66%
Total	8437	5207	13644	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		Total	Percent
	Males	Females		
0-4	100	96	27	0.20%
5-14	13	14	763	5.59%
15-19	174	589	5910	43.32%
20-29	3136	2774	4279	31.36%
30-39	3085	1194	1778	13.03%
40-49	1390	388	563	4.13%
50-59	432	131	128	0.94%
60+	107	21	13644	100.00%
Total	8437	5207		
(percent)	(61.84%)	(38.16)		

Average age for females = 27.1 years, and for males = 32.6 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	3973	2017	5990	43.90%
Married	3306	1516	4822	35.34%
Divorced	439	1012	1451	10.63%
Widowed	69	341	410	3.00%
Paediatric Cases (Age < 15 years)	107	104	211	1.55%
Unspecified	543	217	760	5.66%
Total	8437	5207	13644	100.00%

Table 7. Reported AIDS Cases by Occupation.

Occupation type	Males	Females	Both	Percent
ARMED FORCES	1569	35	1604	11.76%
BAR WORKER*	85	106	191	1.40%
DAILY LABOURER	413	130	543	3.98%
DRIVER	958	5	963	7.06%
FARMER	222	10	232	1.70%
GOVT EMPLOYEE	1506	386	1892	13.87%
HOUSE WIFE	0	996	996	7.30%
MECHANIC	253	4	257	1.88%
MRCHANT	888	207	1095	8.03%
OTHERS	668	413	1081	7.92%
PRISONER	51	0	51	0.37%
SERVANT/HOUSE MAID	14	336	350	2.57%
SEX WORKER	0	847	847	6.21%
STUDENTS	234	343	577	4.23%
TELLA/TEJ SELLER	11	187	198	1.45%
UNEMPLOYED (ADULT)	296	376	672	4.93%
UNEMPLOYED (CHILDREN)	107	103	210	1.54%
UNSPECIFIED	1162	723	1885	13.82%
Total	8437	5207	13644	100.00%

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

Table 8. Average Number of AIDS Cases Per Month and Number of Reporting Hospitals by Year.

Year	Average no. of cases per month	Reporting hospitals		
		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

Table 9: Distribution of AIDS Cases by Reporting Hospitals and by Years of Report for Addis Ababa Hospital.

Reporting Hospitals	Year or Report									Total	Percent
	86	87	88	89	90	91	92	93	94		
ALERT	0	1	32	37	61	0	339	224	63	757	10.37%
AMANUEL	0	0	0	0	0	1	6	5	0	12	0.16%
ARMED FORCE	0	4	3	22	59	64	36	30	13	231	3.16%
BALCHA*	0	0	3	0	0	0	0	0	0	3	0.04%
CENTRAL COMMAND	0	0	2	0	0	0	11	33	28	74	1.01%
CENTRAL PRISON	0	0	0	0	0	0	0	19	33	52	0.71%
ETHIO-SWEDISH	0	0	5	0	0	3	3	0	7	18	0.25%
GANDHI	0	0	0	1	1	0	0	0	14	15	0.21%
KOLFIE TBC	0	0	0	0	0	0	0	49	73	127	1.74%
MINILIK II	0	0	0	13	7	0	210	378	292	900	12.33%
ST. PAULOS	0	0	4	0	1	23	18	294	223	563	7.71%
ST. PETROS	0	1	1	4	84	39	76	235	67	507	6.94%
POLICE	0	2	1	10	5	36	29	52	38	173	2.37%
RAS DESTA	0	1	0	30	44	106	196	362	318	1057	14.48%
TATEK	0	0	0	0	6	22	0	2	3	33	0.45%
TIKUR ANBESSA	0	3	25	47	43	148	148	634	520	1568	21.47%
YEKATIT 12	2	5	3	13	22	16	251	199	133	644	8.82%
ZEWDITU	0	0	3	3	21	50	118	273	100	568	7.78%
Total	2	17	82	180	358	508	1441	2789	1925	7302	100.00%

Table 10: Distribution of AIDS Cases by Reporting Hospitals and by Years of Report for Regional Hospital.

Reporting Hospitals	Year or Report									Total	Percent
	86	87	88	89	90	91	92	93	94		
AIR FORCES	0	0	0	0	0	0	0	18	0	18	0.28%
ALAMATA	0	0	0	0	0	0	0	0	13	13	0.20%
AMBO	0	0	0	0	0	3	14	42	16	75	1.18%
ARBAMINCH	0	0	0	0	7	24	41	86	42	200	3.15%
ASEBE TEFERI	0	0	0	0	0	12	6	30	19	67	1.06%
ASELLA	0	0	0	0	0	0	0	0	23	32	0.36%
ASSAB	0	0	2	0	0	0	0	0	0	2	0.03%
ASSELA	0	0	0	0	1	26	6	0	0	33	0.52%
ATTAT	0	0	0	0	0	14	59	176	79	328	5.17%
BORENA	0	0	0	0	1	0	0	0	0	1	0.02%
BUSHULO	0	0	0	0	0	0	20	93	107	220	3.47%
DEBRE BREHAN	0	0	0	0	0	0	8	12	24	44	0.69%
DEBRE MARKOS	0	0	0	0	0	0	46	32	0	78	1.23%
DEBRE TABOR	0	0	0	0	0	11	70	0	65	146	2.30%
DESSIE	0	0	0	0	0	19	86	94	311	510	8.04%
DIREDAWA	0	0	0	0	13	31	72	335	116	567	8.94%
FELEGE HIWOT	0	0	0	8	1	18	575	162	0	764	12.05%
GIMBI	0	0	0	0	7	0	0	74	119	200	3.15%
GOBA	0	0	0	0	0	5	0	45	0	50	0.79%
GONDAR COLLEGE	0	0	0	0	32	82	214	144	307	779	12.28%
HEROES CENTER	0	0	0	0	1	3	0	1	1	6	0.09%
HIWOT FANA	0	0	0	0	14	59	93	150	22	338	5.33%





Table 10.....cont'd

Reporting Hospitals	Year or Report									Total	Percent
	86	87	88	89	90	91	92	93	94		
HOSSANA*	0	0	0	0	0	0	34	0	14	48	0.76%
JIMMA	0	0	1	1	0	12	0	121	0	135	2.13%
MAICHEW	0	0	0	0	0	0	0	0	9	9	0.14%
METEHARA	0	0	0	0	0	0	1	0	21	22	0.35%
MIZAN	0	0	0	0	0	1	5	0	8	14	0.22%
NAZARETH	0	0	0	1	0	14	180	132	151	478	7.54%
NEKEMET	0	0	0	1	0	0	0	81	0	81	1.28%
PAWIE	0	0	0	0	1	0	59	60	0	119	1.88%
QUIHA	0	0	0	0	1	0	0	0	6	6	0.09%
SHASHEMENE	0	0	0	0	0	9	17	10	0	36	0.57%
WOLDIA	0	0	0	0	0	0	31	112	81	224	3.53%
WONJI	0	0	0	0	3	13	42	70	42	170	2.68%
YIRGALEM	0	0	0	0	10	11	136	255	116	538	8.48%
Total	0	0	3	10	90	377	1815	2335	1712	6342	100.00%

Table 11. Distribution of AIDS cases by Region/country of Residence and by Year of Report

Region/country of residence	Year or Report									Total	Percent
	86	87	88	89	90	91	92	93	94		
AA	2	12	59	113	271	355	1204	2214	1551	5781	42.37%
ARSSI	0	0	2	5	1	30	30	27	35	130	0.95%
ASSOSA	0	0	0	0	0	0	1	0	6	7	0.05%
BALE	0	0	0	2	2	10	18	75	22	129	0.95%
BORENA	0	0	0	0	3	1	9	24	19	56	0.41%
DIREDAWA	0	0	1	2	24	39	89	383	110	648	4.75%
E. GOJJAM	0	1	0	2	3	10	68	91	42	217	1.59%
E. HARARGE	0	1	0	4	10	48	84	132	49	328	2.40%
E.SHOA	0	1	2	10	16	49	251	309	286	924	6.77%
GAMBELLA	0	0	0	1	4	0	3	8	5	21	0.15%
ILLUBABOR	0	0	1	2	0	17	10	144	9	183	1.34%
KAFFA	0	0	0	1	0	2	9	8	16	36	0.26%
METEKEL	0	0	0	2	2	3	72	64	1	144	1.06%
N GONDAR	0	0	1	1	28	74	207	149	126	586	4.29%
N OMO	0	0	0	0	5	16	38	86	39	184	1.35%
N SHOA	0	1	1	2	2	6	26	58	64	160	1.17%
N WOLLO	0	0	1	0	2	15	41	162	99	320	2.35%
OGADEN	0	0	0	0	2	1	3	7	3	16	0.12%
S GOJJAM	0	0	0	0	0	0	0	0	1	1	0.01%
S GONDAR	0	0	0	1	4	17	91	13	221	347	2.54%
S OMO	0	0	0	0	0	4	0	3	4	11	0.08%
S SHOA	0	0	0	0	7	16	89	85	62	259	1.90%
S WOLLO	0	1	0	8	9	31	97	98	316	560	4.10%



Table 11.Cont'd

Region/country of residence	Year or Report										Total	Percent
	86	87	88	89	90	91	92	93	94			
SIDAMO	0	0	1	0	9	16	127	281	187	621	4.55%	
TIGRAY	0	0	1	4	2	8	8	22	42	87	0.64%	
W GOJJAM	0	0	1	11	6	24	556	166	8	772	5.66%	
W HARARGE	0	0	0	0	3	18	19	49	31	120	0.88%	
W SHOA	0	0	4	6	2	22	63	228	126	451	3.31%	
WOLLEGA	0	0	0	2	5	8	9	184	117	325	2.38%	
DIJIBOUTI	0	0	0	0	0	1	1	3	4	9	0.07%	
ERITREA	0	0	10	9	25	37	24	26	24	155	1.14%	
INDIA	0	0	0	0	0	0	0	1	0	1	0.01%	
S AFRICA	0	0	0	0	0	0	1	0	0	1	0.01%	
SOMALIA	0	0	0	0	0	0	3	1	0	4	0.03%	
UGANDA	0	0	0	0	0	0	2	0	0	2	0.01%	
UNKNOWN	0	0	0	2	1	7	3	23	0	48	0.35%	
Total	2	17	85	190	448	885	3256	5124	2395	12402	100.00%	

Table 12. AIDS Cases by Risk Factors

Risk Factors:	Male	Female	Total	Percent
History of Multi-Partner Sexual Contact (MPSC)	7430	4455	11885	87.11%
History of Blood Transfusion	69	48	117	0.86%
Maternal HIV of Breast Feeding	97	93	190	1.39%
History of Illegal Injection	64	59	123	0.90%
IV drug abuse	4	2	6	0.04%
Unspecified	773	550	1323	9.70%

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

Clinical Manifestations	Males	Females	Total	Percent
<b>MAJOR SYMPTOMS</b>				
Weight loss > 10% of body weight (Failure to thrive)	7399	4321	12020	88.10%
Prolonged Fever for > 1 month	7069	4451	11520	84.43%
Chronic Diarrhoea for > 1 month	5117	3165	8282	60.70%
<b>MINOR SYMPTOMS</b>				
Generalized Lymphadenopathy	2168	1140	3308	24.25%
Persistent Cough for > 1 month	5790	3464	9254	67.82%
Skin rashes	118	63	181	1.33%
Tuberculosis (Plumony and/or Disseminated)	1371	797	2168	15.89%
Recurrent herpez zoster	1234	671	1905	13.96%
Generalized pruritic dermatitis	1403	935	2338	17.14%
Oropharyngeal candidiasis	1692	1031	2723	19.96%
Pneumonia (including PCP)	404	227	631	4.62%
Chronic herps simplex	91	70	161	1.18%
CNS derangement	130	50	180	1.32%
Night sweats & Generalized Body Weakness	113	62	175	1.28%
Loss of appetite	19	6	25	0.18%
Kaposi's Sarcoma	31	8	39	0.29%







