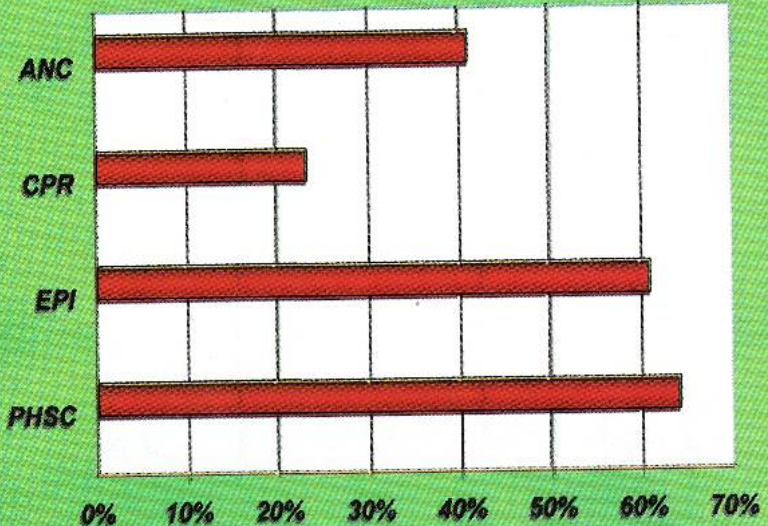




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Federal Democratic Republic of Ethiopia
Ministry of Health

Health and Health Related

INDICATORS



Planning and Programming Department, MOH

Health and Health Related **INDICATORS**

1996 E.C. (2003/04 G.C.)

Planning and Programming Department

Health Information Processing & Documentation Team

Explanatory Notes

All years in this annual publication, unless otherwise stated, are in Ethiopian calendar.

The following symbols have been used in the tables throughout the report:

- A blank in a table indicates that the item is not applicable.
- A number in parenthesis () indicates a negative number.
- NA in a table indicates data is not available

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PREFACE

One of the basic characteristic of the Health Sector Development Programme (HSDP) is its effectiveness in the planning, implementation and monitoring of the health sector activities. The growing need for careful planning, strong implementation and systematic monitoring has given more significance to the availability of adequate and timely information.

Much effort have been put to improve the quality and scope of the data used in this issue. Current and previous years coverage indicators that needed population data have been adjusted based on “The 1994 Population and Housing Census of Ethiopia, Volume II Analytical Report.”

It is hoped that this publication will serve as a useful and quick reference for policy markers and planners as one of the tools for the design of future development plan, monitoring and evaluation. It is also hoped that this publication will meet the needs of researchers and those interested in the health sector.

Among the sources of information used for the preparation of this publication are:

1. Regional Annual Reports
2. Departments of FMOH, Central Specialized Hospitals
3. The 1994 (G.C) population and Housing Census of Ethiopia, Analytical Reports
4. The Ethiopian Population Profile: 2000 G.C.
5. Educational Statistics: Annual Abstract, 2003/04
6. Socio-economic & Financial Data: MOFED
6. International Health Related Publications
7. Non-Governmental Organizations

As part of its main activities, the Planning and Programming Department will continue to update the publication annually.

Comments and suggestions are welcome and should be addressed to:

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Acknowledgements are due to all those who participated in providing the information and whose invaluable comments and suggestions have made it possible the completion of this publication on time.

Health Information Processing & Documentation Team

ACRONYMS

ADD	Acute Diarrhea Diseases
AIDS	Acquired Human Immunodeficiency Syndrome
AFP	Acute Flaccid Paralysis
ARI	Acute Respiratory Infection
BCG	Bacille Calmette Guerin
B. Dysentery	Bacillary Dysentery
BS	Both Sexes
BMI	Body Mass Index
CSA	Central Statistical authority
CBR	Crude Birth Rate
CDR	Crude Death Rate
CHA	Community Health Agent
CMR	Child mortality Rate
CPR	Contraceptive Prevalence Rate
DOTS	Daily Observed Therapy Short Course
DPT	Diphtheria, Pertusis and Tetanus
ENT	Ear, Nose & Throat
EPI	Expanded Programme on Immunization
ETB	Ethiopian Birr
FGAE	Family Guidance association of Ethiopia
FMOH	Federal Ministry of Health
GDP	Gross Domestic Product
GNI PPP	Gross National Income in purchasing power parity
G. Worm	Guinea Worm
HC	Health Center
HCU	Health Care Unit
HH	House Hold
HIV	Human Immunodeficiency Virus
HP	Health Post
HSDP	Health Sector Development Programme
IMR	Infant Mortality Rate
IDS	International Disease Surveillance
IUCD	Intra Uterine Contraceptive Device
LB	Live Birth
LE	Life Expectancy

MB	Multibacillary
MCH	Maternal and Child Health
MDT	Multiple Drug Therapy
M. Meningitis	Meningococcal Meningitis
NGO	Non Governmental Organization
NNT	Neonatal Tetanus
NSS	National Sentinel Surveillance
Ob.Gyn	Obstetric & Gynecology
OGA	Other Government Agency
OPD	Out-patient Department
OPV	Oral Polio vaccine
PB	Paucibacillary
PF	Plasmodium Falciparum
PHCU	Primary Health Care Unit
PHSC	Potential Health Service Coverage
PM	Plasmodium Malaria
PV	Plasmodium Vivax
R. Fever	Relapsing Fever
RNI	Rate of Natural Increase
SNNPR	Southern Nations & Nationalities Peoples Region
STD	Sexually Transmitted Disease
TB	Tuberculosis
TBA	Traditional Birth Attendant
TFR	Total Fertility Rate
TT	Tetanus Toxoid
USD	US Dollar
WHO	World Health Organization

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INTRODUCTION

The land area of Ethiopia is estimated at about 1.1 million square kilometers and the current population is approximately 71.1 million, of which more than 84.2 percent live in rural areas. Ethiopia is a Federal Democratic Republic composed of 9 National Regional States (NRS): Tigray, Afar, Amhara, Oromia, Somalia, Benishangul-Gumuz, Southern Nations, Nationalities and Peoples Region (SNNPR), Gambella and Harari, and two Administrative states (Addis Ababa city administration and Dire Dawa council)

The National Regional States as well as the two city administrative councils are further divided into five hundred eighty woredas and to around 15,000 kebeles (5,000 urban & 10,000 rural).

An estimated 60 to 80 percent of health problems are due to infectious and communicable diseases and nutritional problems. The public health care system is underdeveloped and only able to provide basic service to about 64% of the population. Much of the rural population has little access to modern health care, that lead to the inability of the health care delivery systems to respond both quantitatively and qualitatively to the health needs of the people. Previously, the health delivery system was highly centralized; delivered in a fragmented way and relied on vertical programs; and there was little collaboration between the public and private sectors. Consequently, the Ethiopian Transitional and Federal Governments have initiated political, economic and social changes resulting in the formulation of the 1985 Health Policy and Strategy. The Federal Government and the regional authorities through the health service extension program (HSEP) are trying to reorganize health services into a more cost-effective and efficient system better able to meet the needs of its citizens and contribute to the overall socio-economic development effort of the country.

The Government Health Sector Development plan is to realize its health development objective through a twenty-year health sector development strategy, with a five-year rolling investment programs, with first Health Sector Development Program (HSDPI) covering periods 1990 - 1994. This has been followed by the second HSDP covering 1995-1997.

Both HSDPI & II are intimately linked to PRSP of the country, & like the National Health Policy, are the result of a critical examination of the nature, magnitude and root causes of the prevailing health problems of the country and awareness of newly emerging health problems. Founded on a commitment to democratic principles and to decentralized management and provision of service, it accords appropriate emphasis to the needs of the less privileged rural population which constitute the overwhelming majority of the population and it also sets realistic goals and the means for attaining them. In so doing, the Government accords health a prominent place in its order of priorities and commits itself to the attainment of these goals accessing through the proper utilization of both internal and external resources.

The Federal Ministry of Health has planned to develop health specific software package to facilitate & get more reliable information from all regions after taking critical assessment & standardization of the reporting format at all levels. In the last two years special emphasis was also given to incorporate the service provided by private health institutions.

It is to be noted that some of the incomplete data from few regions may have underestimated the Health Service Utilization Rate of the country. In this particular publication it stands at 0.36 visit per person per year. The contraceptive prevalence rate from the private sector has only been reported from Addis Ababa city administration and needs further coverage and refinement of the report.

1. SUMMARY OF BASIC HEALTH INDICATORS

Indicator	1992	1993	1994	1995	1996
Total Population	63,495,000	65,344,000	67,220,000	69,127,021	71,066,000
PHS Coverage (%)	57.3	59.1	61.0	61.3	64.0
PHS Coverage (%)*	66.1	68.0	70.7	70.2	73.2
EPI Coverage (%)**	41.9	41.9	51.5	50.4	60.8
Health Service Utilization	0.27	0.27	NA	0.29	0.36
CPR (%)***	13.3	18.7	17.2	21.5	23.0
Antenatal Coverage (%)	29.1	34.7	34.1	27.4	40.8
Number of Facilities					
Hospitals	103	110	115	119	126
Health Centers	356	382	412	451	519
Health Stations	2330	2393	2452	2396	1797
Health Posts	833	1023	1311	1432	2899
Private Clinics	1119	1170	1235	1229	1299
Pharmacies	304	311	311	302	275
Drug Shops	250	249	309	299	375
Rural Drug Vendors	1950	1917	1856	1888	1783
Human Resources (in service)					
Physicians	1263	1366	1888	2032	1996
Health Officers	201	296	484	631	683
Nurses	6713	7723	12838	14160	15544
Health Assistants	8330	7386	8149	6856	6628
Para Medicals	2201	2758	3824	4641	5215
Human Resources (Graduate)					
Specialists	58	61	91	103	96
General Practitioners	152	128	152	182	193
Health Officers	157	181	183	181	249
Nurses	1399	2164	1562	1465	2374
Para Medicals	671	917	656	1054	999

* The Coverage includes the service provided by Private Health Facilities.

** Coverage is calculated using DPT3 only.

*** Services outside the government health institutions included only for Addis Ababa, Hareri & Benishangul.

2. MAJOR HEALTH SECTOR DEVELOPMENT TARGETS (1995-1997)

Indicators	Target
Contraceptive coverage rate	24%
ANC coverage	45%
EPI coverage	70%
Coverage of TT2 to pregnant women	70%
Coverage of TT2 to non-pregnant women	32%
Post-natal service coverage	20%
Proportion of deliveries assisted by trained health workers	25%
Share of the annual health budget	8.2%
Coverage of tuberculosis prevention and control service	75%
Proportion of safe and adequate water supply	42%
Proportion of the population with access to excreta disposal facilities	35%
Availability of essential drugs and medical supplies in each health facility	80%
Drugs prescribed in generic name	92%
Per capita expenditures on health	6.0 USD
Blindness prevalence rate	0.6 / 10,000
HIV prevalence rate	< 7%
EPI defaulters	<10%
Defaulter rates of TB & leprosy	0%

3. DEMOGRAPHY & VITAL STATISTICS

3.1 SOME DEMOGRAPHIC INDICATORS, 1996

Region	Population										Average HH Size*
	Both Sexes	Sex Ratio	Urban %	Under One %	Surviving Infants %	Under Three %	Under Five %	Female 15-49 %	Dependency Ratio %	Pop. Density Per Km ²	
Tigray	4,113,000	97.0	8.1	3.4	3.6	6.9	16.9	23.4	90.3	82.1	4.3
Afar	1,330,000	125.8	8.8	2.9	2.9	5.8	14.3	22.4	69.5	-	5.7
Amhara	18,143,000	100.0	11.1	3.4	3.5	6.7	16.7	23.4	87.2	114.0	4.5
Oromia	25,098,000	99.6	2.8	3.5	3.7	7.0	17.5	23.3	90.7	71.1	4.8
Somali	4,109,000	116.6	16.3	3.3	3.3	6.5	15.3	23.0	75.8	-	6.6
Ben.-Gumuz	594,000	101.4	9.4	3.4	3.6	6.7	16.4	24.2	159.6	12.1	4.5
SNNPR	14,085,000	98.8	8.3	3.5	3.8	7.1	17.7	23.8	89.7	125.4	4.7
Gambella	234,000	103.5	18.4	3.1	3.1	6.1	15.0	26.9	67.0	9.1	4.5
Hareri	185,000	103.3	61.6	3.0	3.1	6.0	14.8	26.5	63.4	594.3	4.3
Addis Ababa	2,805,000	92.5	100.0	2.2	2.1	4.4	10.2	34.4	39.5	5,291	5.1
Dire Dawa	370,000	100.0	73.5	3.2	3.3	6.4	15.7	27.4	65.8	305	4.7
National	71,066,000	100.5	15.8	3.4	3.5	6.8	16.8	23.9	85.9	57	4.8

Source: The 1994 G.C. Population and Housing Census of Ethiopia, Analytic Report (CSA)

* Average House Hold Size was indicated for the year 1994 G.C.

3.2 VITAL STATISTICS, 1993-1998 (2000-05 G.C.)

Region	CBR per 1000	CDR per 1000	RNI (%)	*TFR	IMR per 1000	*CMR per 1000	Under 5 MR per 1000	Male LE	Female LE
Tigray	40.4	13.7	2.7	5.8	102.0	73.0	148.0	52.0	54.9
Afar	33.8	11.6	2.2	4.9	99.0	114.9	145.0	56.9	50.8
Amhara	39.5	12.8	2.7	5.9	96.0	80.0	138.0	53.4	56.0
Oromia	41.6	12.9	2.9	6.4	98.0	87.9	142.0	53.0	55.5
Somali	36.1	9.8	2.6	5.7	83.0	94.2	119.0	58.7	55.4
Benishangul	40.0	14.6	2.5	5.4	117.0	111.0	173.0	50.1	51.1
SNNPR	42.6	13.4	2.9	5.9	107.0	88.2	157.0	51.4	53.5
Gambella	34.8	9.1	2.6	4.5	80.0	126.0	113.0	57.6	58.3
Hareri	35.6	12	2.4	4.4	93.0	82.4	135.0	55.6	54.7
Addis Ababa	22.7	7.6	1.5	1.9	61.0	35.4	83.0	60.3	64.1
Dire Dawa	37.0	11.7	2.5	3.6	94.0	78.4	136.0	54.1	55.8
National	39.9	12.6	2.7	5.9	96.8	84.5	140.1	53.4	55.4

N.B. Maternal Mortality Rate of the Country is estimated to be 871 per 100,000 live births, but figures are not disaggregated by regions.

Source: The 1994 Population and Housing Census of Ethiopia, Analytic Report (CSA)

* Demographic & Health Survey, 2000

3.3 DEMOGRAPHIC DATA ESTIMATES FOR SOME COUNTRIES & REGIONS OF THE WORLD

	Population (Millions)	CBR	CDR	RNI (%)	Projected Population (Millions)		IMR	TFR	% of Population of Age				LE at Birth (Years)			% of Pop. 15-49 With HIV/AIDS End-2001	GNI PPP Per Capita, 2000, (USD)
					2025	2050			<15	65+	BS	M	F				
World	6,314	22	9	1.3	7,907	9,198	55	2.8	30	7	67	65	69	1.2	\$7,160		
More Developed	1,202	11	10	0.1	1,260	1,257	7	1.5	18	15	76	72	79	0.4	22,030		
Less Developed	5,112	24	8	1.6	6,647	7,940	61	3.1	33	5	65	63	66	1.4	3,660		
Less Developed (Excl. China)	3,823	28	9	1.9	5,192	6,547	65	3.5	36	4	63	61	64	1.9	3,570		
Africa	861	38	14	2.4	1,289	1,883	88	5.2	42	3	52	51	53	6.5	\$2,120		
Sub-Saharan Africa	711	40	16	2.5	1,084	1,636	93	5.6	44	3	48	47	49	8.9	1,710		
Northern Africa	188	27	7	2.1	267	331	51	3.6	37	4	67	65	68	0.6	3,600		
Western Africa	256	41	15	2.7	402	617	88	5.8	45	3	51	50	51	4.9	1,060		
Eastern Africa	263	41	17	2.4	395	590	102	5.6	45	3	44	43	45	9.5	960		
Burundi	6.1	40	19	2.2	10.1	15.4	75	6.3	48	3	43	42	44	8.3	680		
Comoros	0.6	47	12	3.5	1.1	1.8	86	6.8	46	5	56	54	59	0.1	1,890		
Djibouti	0.7	39	19	2.0	0.8	1.1	117	5.9	43	3	43	42	44	11.8	2,420		
Eritrea	4.4	41	13	2.8	7	10.5	48	5.9	44	3	54	52	57	2.8	1,030		
Ethiopia	71.1	39.9	13	2.7	117.6	173.3	96.8	5.9	44	3	54	53	55	6.4	800		
Kenya	31.6	35	15	2.0	35.3	40.2	66	4.4	44	3	46	46	46	15.0	970		
Madagascar	17	43	13	3.0	33	65.5	85	5.8	45	3	55	53	57	0.3	820		
Malawi	11.7	47	22	2.6	17.7	29	108	6.5	46	3	39	39	40	15.0	560		
Mauritius	1.2	16	7	0.9	1.4	1.5	14.1	1.9	25	6	72	68	75	0.1	9,860		
Mayotte	0.2	41	9	3.2	0.4	0.6		5.0	47	2	60	57	62				
Mozambique	17.5	41	28	1.3	17.5	19	201	5.1	45	3	34	33	34	13.0	1,050		
Reunion	0.8	21	5	1.6	0.9	1	27	2.5	27	7	75	71	79				
Rwanda	8.3	40	21	1.9	11.7	17.3	107	5.8	43	3	40	39	41	8.9	1,240		
Seychelles	0.1	18	7	1.2	0.1	0.1	10	2.1	29	8	70	67	73				

Cont. ...

Cont.

	Population (Millions)	CBR	CDR	RNI (%)	Projected Population (Millions)		IMR	TFR	% of Population of Age			LE at Birth (Years)			% of Pop. 15-49 With HIV/AIDS End-2001	GNI PPP Per Capita, 2000, (USD)
					2025	2050			<15	65+	BS	M	F			
Somalia	8.0	48	19	2.9	15	25.5	126	7.2	45	3	46	45	48	1.0		
Tanzania	35	40	17	2.3	52	73.8	105	5.3	45	3	45	44	46	7.8	520	
Uganda	25	47	17	3.0	47	82.5	88	6.9	51	2	44	43	46	5.0	1460	
Zambia	11	43	21	2.2	14	17.5	95	5.9	47	3	41	41	40	15.6	750	
Zimbabwe	13	32	20	1.2	13	14.6	65	4.0	40	3	41	43	40	33.7	2220	
Middle Africa	104	45	16	2.9	184	305	104	6.4	44	3	47	46	49	6.3	1020	
Southern Africa	50	24	14	1.0	41	39	59	3.0	35	5	52	51	52	21.5	10240	
Northern America	323	14	8	0.5	387	459	7	2.0	21	13	77	75	80	0.6	\$33,510	
Latin America & The Caribbean	540	23	6.0	1.7	690	789.0	29	2.7	32	6	71.0	68.0	74.0	0.7	6820	
Central America	144	29	5.0	2.4	192	230.0	27	3.0	35	5	74.0	71.0	76.0	0.5	7150	
Caribbean	38	20	8.0	1.2	46	51.0	38	2.7	29	7	69.0	67.0	71.0	2.4		
South America	358	22	6	1.5	452	507	30	2.5	31	6	70	67	74	0.6	\$6,910	
Asia	3,830	20	7	1.3	4,776	5,353	54	2.6	30	6	67	66	69	0.4	\$4,290	
Asia (excl. China)	2,541	24	8	1.6	3,322	3959	60	3.1	34	5	65	64	67	0.5	4470	
Western Asia	204	27	7	2.0	308	418	47	3.8	36	5	68	66	70	Z	5550	
South Central Asia	1,563	27	9.0	1.8	2,084	2,546.0	69	3.3	37	4	62.0	62.0	63	0.6	2700	
Southeast Asia	544	22	7.0	1.6	697	792.0	41	2.7	31	5	68.0	66.0	70	0.6	3390	
East Asia	1,519	13	7.0	0.6	1,688	1,597.0	29	1.7	22	8	72.0	70.0	74	0.1	6990	
Europe	727	10	12	-0.2	722	664	8	1.4	17	15	74	70	78	0.4	\$16,270	
Northern Europe	95	11	10	0.1	101	101	5	1.6	19	16	78	75	80	0.1	23620	
Western Europe	185	11	10	0.1	187	177	4	1.6	17	16	79	75	82	0.2	25430	
Eastern Europe	301	9	14	-0.5	285	247	13	1.2	18	13	68	63	74	0.6	7170	
Southern Europe	147	10	9	1.0	149	138	6	1.3	16	17	78	75	81	0.4	18610	
Oceania	32	18	7	1.1	42	50	25	2.4	25	10	75	72	77	0.2	\$18,400	

Source: 2003 World Population Data Sheet of the Population Reference Bureau (PRB) Book Edition, August 2003 G.C.
N.B. All years are indicated in G.C.

4. EDUCATION & ECONOMIC STATISTICS

4.1 SCHOOL AGE POPULATION, ENROLLEMENT AND GROSS ENROLLEMENT RATIOS BY REGION AND SEX , 1996

A. Primary (Grade 1-8)

Region	School Age Population (7-14)		Enrollment		Gross Enrollment Ratio	
	Both Sexes	Female	Both Sexes	Female	Both Sexes	Female
Tigray	826,162	406,949	665,991	327,896	80.6	80.6
Afar	249,408	109,429	34,175	12,275	13.7	11.2
Amhara	3,582,634	1,777,376	2,215,849	1,035,246	61.8	58.2
Oromiya	5,056,222	2,507,871	3,673,631	1,461,864	72.7	58.3
Somali	823,207	378,429	123,541	37,500	15.0	9.9
Benshangul	119,884	58,596	120,528	46,968	100.5	80.2
SNNPR	2,823,279	1,401,058	2,095,791	834,092	74.2	59.2
Gambella	41,637	20,154	44,390	14,762	106.2	73.2
Harari	27,822	13,526	29,071	12,224	104.5	90.4
Addis Ababa	343,074	175,289	489,215	260,873	142.6	148.8
Dire Dawa	57,359	28,050	47,741	20,488	83.2	73.0
National	13,950,688	6,876,727	9,539,923	4,064,188	68.4	59.1

B. Secondary (Grade 9-10)

Region	School Age Population (15-16)		Enrollment		Gross Enrollment Ratio	
	Both Sexes	Female	Both Sexes	Female	Both Sexes	Female
Tigray	179,838	88,702	54,877	20,909	30.5	23.6
Afar	59,638	24,916	3,007	1,125	5.0	4.5
Amhara	778,312	384,895	122,565	43,822	15.7	11.4
Oromiya	1,097,457	542,528	250,908	79,222	22.9	14.6
Somali	197,266	87,391	6,434	1,941	3.3	2.2
Benshangul	26,432	12,959	7,511	2,191	28.4	16.9
SNNPR	608,205	301,323	121,458	35,639	20.0	11.8
Gambella	9,901	4,815	2,858	500	28.9	10.4
Harari	7,223	3,602	5,239	2,052	72.5	57.0
Addis Ababa	120,243	65,767	104,186	51,803	86.6	78.8
Dire Dawa	14,674	7,652	6,933	2,993	47.2	39.1
National	3,099,189	1,524,550	685,976	242,197	22.1	15.9

Source: Education Statistics Annual Abstract 1996, 2004 G.C.(MOE)

4.2 SOCIO-ECONOMIC DATA, 1987-1996

‘Million ETB.

Sr. No.	ECONOMIC INDICATORS	1988 1995/96	1989 1996/97	1990 1997/98	1991 19987/99	1992 1999/2000	1993 2000/2001	1994 2001/2002	1995 2002/2003	1996 2003/2004
1	Gross Domestic Expenditure	41,689.4	45,319.2	49,064.6	56,028.8	61,141.5	62,422.8	61,442.8	69587.2	82,889.7
2	Consumption Expenditure	35,285.0	38,270.1	41,374.0	47,758.7	52,709.7	52,776.8	50,829.3	57494.2	67,245.4
	Government	4,239.7	4,526.3	6,251.4	9,127.0	12,668.3	10,882.1	11,600.3	12318.4	15,052.5
	Private	31,045.3	33,743.8	35,122.6	38,631.7	40,041.4	41,894.7	39,229.0	45175.8	52,192.9
3	Gross Domestic Saving	2,652.6	3,195.0	3,466.3	1,044.6	480.1	1,433.9	931.4	(893.1)	1,950.4
4	Gross Capital Formation	6,404.4	7,049.1	7,690.6	8,268.1	8,431.8	9,646.0	10,613.5	12093.0	15,644.3
5	GDP at Current Market	37,937.6	41,465.1	44,840.3	48,803.3	53,189.8	54,201.7	51,760.7	56601.1	69,195.8
6	GDP at Constant Factor Cost	13,930.9	14,640.2	14,429.0	15,294.1	16,112.3	17,354.4	17,567.0	16903.9	18,900.9
	Growth Rate (%)	10.2	5.1	(1.4)	6.0	5.3	7.7	1.2	(3.8)	11.6
7	Health at Constant Factor Cost	154.0	160.1	175.9	187.6	186.5	201.5	215.8	235.2	234.9
	Growth Rate (%)	5.1	4.0	9.9	6.7	(0.6)	8.0	7.1	9.0	(0.1)

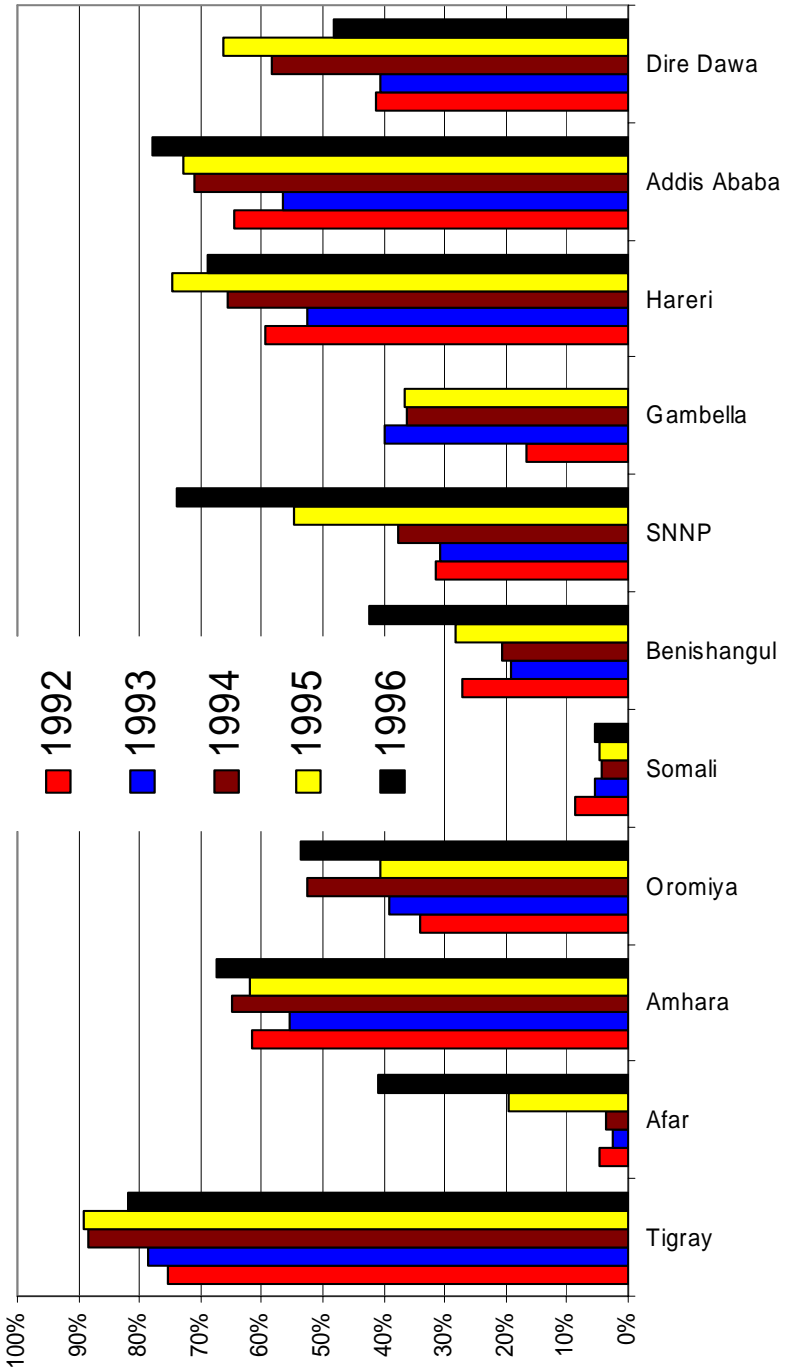
Source: Ministry of Finance & Economic Development

5. MATERNAL & CHILD HEALTH SERVICES

5.1 IMMUNIZATION COVERAGE BY ANTIGEN, 1996

Region	Target Population (Under 1 yr)	BCG		Surviving Infants	DPT ₃		Measles		Fully Immunized	
		Achieved	Cov.		Achieved	Cov.	Achieved	Cov.	Achieved	Cov.
Tigray	141,081	134,512	95.34	148,950	121,986	81.90	109,821	73.73	96,680	64.91
Afar	38,686	10,262	26.53	39,146	16,030	40.95	9,664	24.69	NA	NA
Amhara	610,242	441,177	72.30	636,097	429,640	67.54	393,798	61.91	286,097	44.98
Oromia	881,243	647,212	73.44	922,755	493,485	53.48	398,715	43.21	293,266	31.78
Somali	135,948	12,430	9.14	133,590	7,044	5.27	9,677	7.24	4,927	3.69
Ben-Gum.	20,154	10,913	54.15	21,441	9,108	42.48	7,778	36.28	4,905	22.88
SNNPR	494,191	433,107	87.64	531,979	393,150	73.90	341,736	64.24	232,371	43.68
Gambella	7,204	NA	NA	7,145	NA	NA	NA	NA	NA	NA
Hareri	5,544	5,757	103.84	5,807	4,003	68.94	3,426	59.00	2,773	47.75
Addis Ababa	62,563	47,696	76.24	58,516	45,662	78.03	41,369	70.70	5,803	9.92
Dire Dawa	11,769	7,465	63.43	12,244	5,878	48.01	4,820	39.37	709	5.79
National	2,408,624	1,750,531	72.90	2,510,526	1,525,986	60.78	1,320,804	52.61	927,531	36.95

Fig.1 Progress in Immunization Coverage (DPT3)



5.2 DROP-OUT RATES OF ROUTINE EPI ACTIVITY, 1996

Regions	BCG-Measles	Rate	BCG-DPT3	Rate	DPT1-DPT3	Rate	DPT1-Measles	Rate
Tigray	24,691	18.36	12,526	9.31	5,822	4.46	20,716	18.86
Afar	598	5.83	NA	NA	NA	NA	9,557	98.89
Amhara	47,379	10.74	11,537	2.62	264,064	59.63	49,048	12.46
Oromia	248,497	38.39	153,727	23.75	94,737	14.79	241,784	60.64
Somali	2,753	22.15	5,386	43.33	4,030	30.44	3,560	36.79
Benishangul	3,135	28.73	1,805	16.54	2,666	18.81	6,393	82.19
SNNPR	91,371	21.10	39,957	9.23	39,404	9.15	88,804	25.99
Gambella	NA	NA	NA	NA	NA	NA	NA	NA
Hareri	2,331	40.49	1,754	30.47	634	12.61	1,600	46.70
Addis Ababa	6,327	13.27	2,034	4.26	NA	NA	NA	NA
Dire Dawa	2,645	35.43	1,587	21.26	362	13.31	NA	NA
National	429,727	24.55	224,545	12.83	387,225	23.08	371,110	28.41

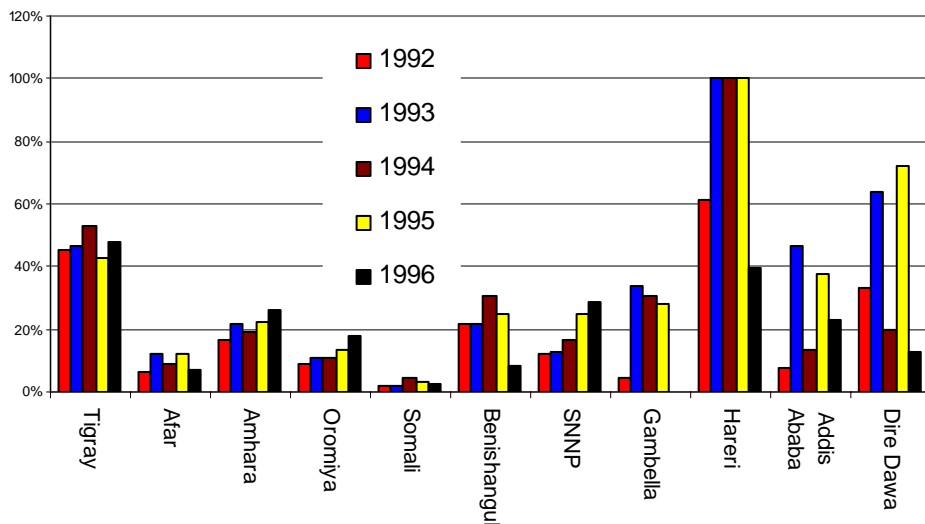
5.3 TT2+ ACHIEVEMENT & COVERAGE BY REGION, 1996

Region	TT2+ Achievement & Coverage					
	Pregnant Women			Non-Pregnant Women		
	Target Population	Achieved	Coverage	Target Population	Achieved	Coverage
Tigray	166,165	52,040	31.3	796,931	252,873	31.7
Afar	44,954	10,370	23.1	252,539	48,889	19.4
Amhara	716,649	234,080	32.7	3,527,766	843,599	23.9
Oromia	1,044,077	309,018	29.6	4,799,996	647,333	13.5
Somali	148,335	6,608	4.5	797,533	5,036	0.6
Ben-Gum.	23,760	3,513	14.8	120,206	4,636	3.9
SNNPR	600,021	233,255	38.9	2,748,829	541,469	19.7
Gambella	8,143	NA	NA	54,711	NA	NA
Hareri	6,586	3,240	49.2	42,352	6,148	14.5
Addis Ababa	63,674	46,203	72.6	901,025	46,438	5.2
Dire Dawa	13,690	4,397	32.1	87,671	4,675	5.3
National	2,827,390	902,724	31.9	14,075,368	2,401,096	17.1

5.4 MATERNAL HEALTH SERVICES ACHIEVEMENT & COVERAGE BY REGION, 1996

Region	Expected Delivery/ Pregnancy	Antenatal		Attended Delivery		Postnatal Services		Non-Pregnant Women	Family Planning		
		Achieved	Coverage	Achieved	Coverage	Achieved	Coverage		New Acceptors	Continual Acceptors	Coverage
Tigray	166,165	112,802	67.89	57,896	34.84	64,518	38.83	796,931	381,208		47.83
Afar	44,954	11,077	24.64	942	2.10	118	0.26	252,539	17,868		7.08
Amhara	716,649	240,515	33.56	58,478	8.16	55,462	7.74	3,527,766	912,223		25.86
Oromia	1,044,077	446,603	42.77	64,803	6.21	64,270	6.16	4,799,996	509,822	341,099	17.73
Somali	148,335	22,747	15.33	6,545	4.41	1,252	0.84	797,533	14,402	8,075	2.82
Benishangul	23,760	10,016	42.15	2,572	10.82	422	1.78	120,206		9,893	8.23
SNNPR	600,021	244,141	40.69	43,597	7.27	247,019	41.17	2,748,829	364,013	426,933	28.77
Gambella	8,143	NA	NA	NA	NA	NA	NA	54,711	NA	NA	NA
Hareri	6,586	3,342	50.74	1,654	25.11	941	14.29	42,352	3,434	13,347	39.62
Addis Ababa	63,674	52,280	82.11	25,402	39.89	12,398	19.47	901,025	197,386	12,285	23.27
Dire Dawa	13,690	6,611	48.29	4,460	32.58	272	1.99	87,671	4,651	6,543	12.77
National	2,835,533	1,150,134	40.80	266,349	9.45	446,672	15.84	14,020,657	3,223,182		22.99

Fig. 2 Progress in Contraceptive Prevalence Rate (CPR)



5.5 NUTRITIONAL STATUS OF CHILDREN & MOTHERS

Regions	%			
	Stunted	Wasted	Under Weight	Mothers BMI (kg/m ²) <18.5
Tigray	55.3	11.1	47.9	34.9
Afar	47.6	12.6	50.5	42
Amhara	57.0	9.5	51.8	31.4
Oromia	47.2	10.4	42.4	28.7
Somali	46.4	15.8	44.3	48.3
Ben - Gumuz	41.3	14.2	42.3	38.1
SNNPR	55.4	11.8	53.7	30.7
Gambella	37.0	18.1	39.0	38.7
Hareri	37.3	6.3	27.1	25.2
Addis Ababa	26.8	4.2	14.1	17.9
Dire Dawa	30.5	11.1	30.8	27.2
Urban	42.3	5.5	33.7	23.2
Rural	52.6	11.1	48.7	31.8
National	51.5	10.5	47.2	30.1

Source: Demographic & Health Survey, 2000

5.6 AMOUNT OF CONTRACEPTIVE DISTRIBUTED BY TYPE OF CONTRACEPTIVE METHOD, 1996

5.6.1 DISTRIBUTION OF CONTRACEPTIVES BY FMOH & NGOs, 1996

Contraceptives by Type	Unit	MOH	DKT	Pathfinder International	FGAE	Total
Microgynon	Cycle	938,520	0	0	193,466	1,131,986
Lo-Femenal/ Duofem	Cycle	0	2,051,584	764,675	325,259	3,141,518
Excluton	Cycle	120,000	0	0	14,261	134,261
Neogyon	Cycle	0	0	0	446	446
Nordette	Cycle	0	0	0	29,612	29,612
Depo Provera	Vial	10,000	1,245,516	796,809	293,048	2,345,373
Megestron	Vial	1,298,853	0	0	0	1,298,853
Male Condoms	Each	4,716,000	53,324,112	2,799,600	2,393,835	63,233,547
Female Condoms	Each	0	0	0	2,020	2,020
Conceptro Foaming	Each	0	0	0	3,292	3,292
Copper T	Each	6,220	0	0	2,476	8,696
Norplant	Each	1,600	0	12,063	2,135	15,798

5.6.2 DISTRIBUTION OF CONTRACEPTIVES BY FMOH TO THE REGIONS , 1995

Regions	Microgynon (Cycle)	Excluton (Cycle)	Depo Provera (Vial)	Megestron (Vial)	Male Condoms (Each)	Copper T (Each)	Norplant (Each)
Tigray	173,880	6,400	2,000	112,000	612,000	200	0
Afar	0	0	0	0	0	0	0
Amhara	399,600	24,000	1,000	150,453	1,080,000	1,200	300
Oromia	200,880	62,400	2,000	526,400	1,130,400	3,000	400
Somali	0	0	0	0	0	0	0
Benishangul	0	0	0	10,800	0	20	0
SNNPR	6,480	12,800	2,000	176,000	1,080,000	800	0
Gambella	0	0	0	0	0	0	0
Hareri	0	3,200	0	0	0	200	0
Dire Dawa	0	0	0	12,000	0	200	0
Addis Ababa	151,200	9,600	3,000	307,600	777,600	200	300
Others*	6,480	1,600	1,000	3,600	36,000	400	600
National	938,520	120,000	11,000	1,298,853	4,716,000	6,220	1,600

* Distributed to Family Guidance Association, Ministry of Defense, Central Prison, Alage College, Police Hospital and DKT

5.7 PERCENTAGE OF CONTRACEPTIVE USERS BY TYPE OF CONTRACEPTIVE METHOD, 1994 –1996

Region	Pills			Depo Provera			Norplant			IUD			Condoms			Others		
	1994	1995	1996	1994	1995	1996	1994	1995	1996	1994	1995	1996	1994	1995	1996	1994	1995	1996
	Tigray	55.6	34.3	53.18	32.8	43.4	26.78	0.1	0.0	0.06	0.0	0.0	0.0	11.6	22.2	19.93	0.0	0.1
Afar	11	20	23.47	54	39	44.60	0.0	0.0	0.00	0.0	0.0	0.0	35	41	31.93	0.0	0.0	0.00
Amhara	73.1	NA	NA	19.0	NA	NA	0.0	NA	NA	0.2	NA	NA	6.6	NA	NA	1.1	NA	NA
Oromia	58.2	4.6	45.89	30.6	4.4	44.12	0.1	0.0	0.22	0.1	0.0	0.0	11.0	1.6	9.10	0.0	0.0	0.57
Somali	87	70	42.19	6	16	21.98	0.0	0.0	0.00	0.0	0.0	0.0	7	14	35.83	0.0	0.0	0.00
B/Gum	33.5	30.5	NA	58.5	65.0	NA	0.0	0.0	NA	0.0	0.0	NA	8.0	4.5	NA	0.0	0.0	NA
SNNPR	53.5	51.3	NA	39.4	33.9	NA	0.1	0.1	NA	0.3	0.3	NA	6.7	13.3	NA	0.1	1.1	NA
Gambella	49.9	51.3	NA	29.6	33.6	NA	0.0	0.0	NA	0.0	0.0	NA	20.5	15.1	NA	0.0	0.0	NA
Hareri	31.8	18.5	35.11	20.3	20.4	61.92	0.1	0.1	0.00	0.2	24.5	0.01	47.7	36.4	2.88	0.0	0.0	0.00
Addis Ababa	43.6	41.1	35.00	42.5	43.8	50.00	0.4	0.6	7.37	1.4	0.7	0.00	11.6	13.7	4.06	0.6	0.1	0.94
Dire Dawa	0.0	45.7	19.25	0.0	31.0	72.54	0.0	0.2	0.00	0.0	0.2	0.01	0.0	22.9	8.21	0.0	0.0	0.00
National	58.5	31.0	27.18	29.6	33.0	21.12	0.1	0.2	0.12	0.2	1.9	0.00	10.6	16.2	51.34	0.4	0.1	0.18

6. HYGIENE & ENVIRONMENTAL HEALTH SERVICES HYGIENE & ENVIRONMENTAL HEALTH PROFILE BY REGIONS

Region	Population		Access to Safe Water				Access to Excreta Disposal			
			1994		1996		1994		1996	
			Achieved	%	Achieved	%	Achieved	%	Achieved	%
Tigray	3,901,000	4,113,000	582,700	14.9	3,324,142	80.8	795,480	20.4	1,521,810	37.0
Afar	1,272,000	1,330,000	213,761	16.8	104,926	7.9	120,631	9.5	*120,631	9.1
Amhara	17,205,000	18,143,000	5,024,100	29.2	5,368,385	29.6	853,000	5.0	5,805,760	32.0
Oromia	23,704,000	25,098,000	6,471,557	27.3	9,046,010	36.0	1,951,937	8.2	3,011,760	12.0
Somali	3,898,000	4,109,000	499,720	12.8	995,600	24.2	519,229	13.3	*519,229	12.6
Ben.-Gumuz	565,000	594,000	97,707	17.3	171,560	28.9	150,231	26.6	*150,231	25.3
SNNP	13,293,000	14,085,000	3,323,550	25.0	4,317,579	30.7	939,422	7.1	7,042,500	50.0
Gambella	222,000	234,000	35,383	15.9	68,120	29.1	15,551	7.0	*15,551	6.6
Hareri	172,000	185,000	84,642	49.2	158,260	85.5	62,451	36.3	83,565	45.2
Addis Ababa	2,646,000	2,805,000	2,603,664	98.4	2,805,000	100.0	2,116,800	80.0	*2,116,800	75.5
Dire Dawa	342,000	370,000	185,281	54.2	142,477	38.5	178,475	52.2	*178,475	48.2
National	67,220,000	71,066,000	19,122,065	28.4	26,502,059	37.3	7,703,208	11.5	20,566,312	28.9

* Data taken from 1994 report (Survey conducted on Environmental Health Profile of Regions & Selected cities/Towns in Ethiopia, 1995)

7. HEALTH INFRASTRUCTURE

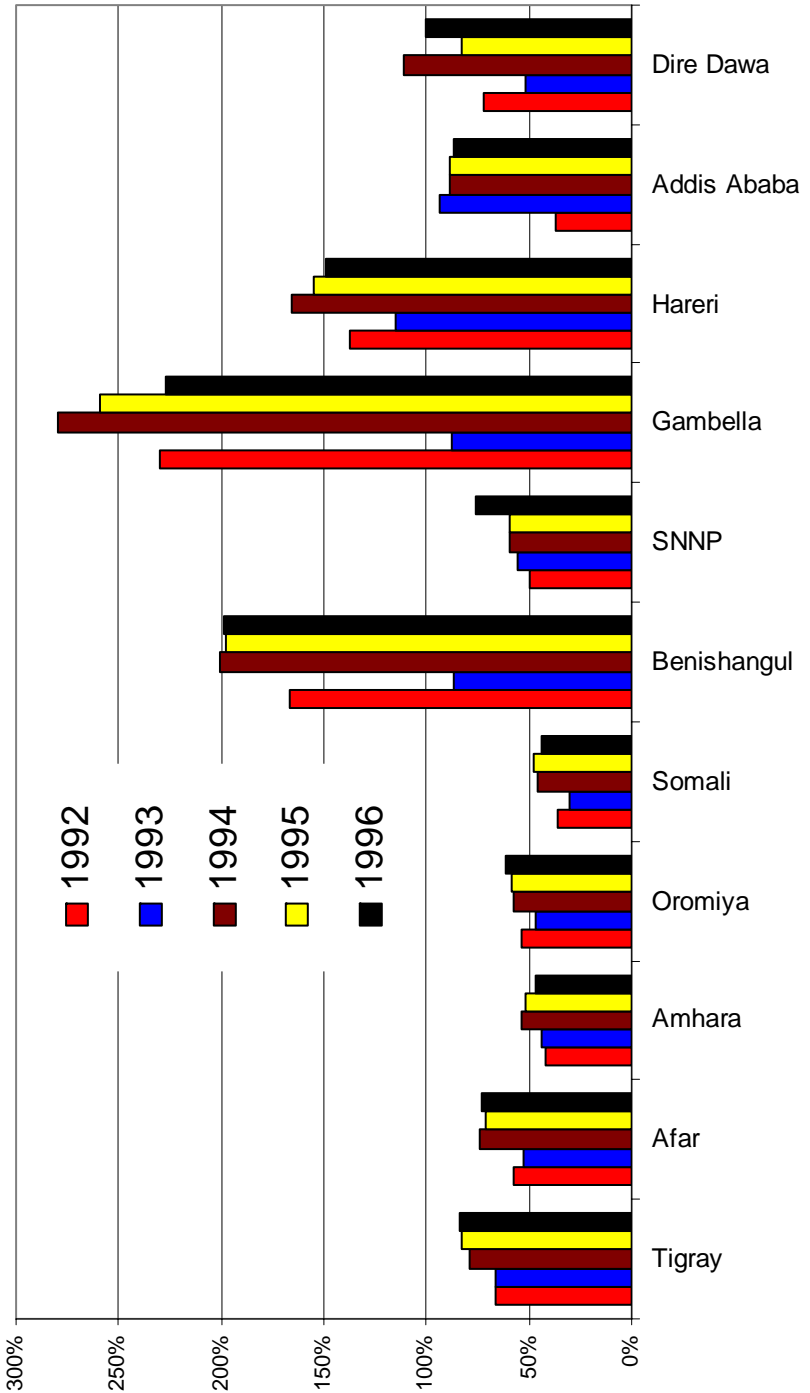
7.1 POTENTIAL HEALTH SERVICE COVERAGE, 1996

Region	Population	Facility Type				Potential Health Service Coverage (%)		
		Health Center (HC)	Health Station (HS)	Health Post (HP)	Private Clinics (PC)	HC, HS	HC, HS, HP	HC, HS, HP, PC
Tigray	4,113,000	32	181	164	30	63.46	83.39	87.04
Afar	1,330,000	9	45	59	3	50.75	72.93	74.06
Amhara	18,143,000	115	0	1128	175	15.85	46.93	51.76
Oromia	25,098,000	167	893	440	492	52.22	60.98	70.78
Somali	4,109,000	17	88	97	2	31.76	43.56	43.81
Ben.-Gumuz	594,000	10	63	60	10	148.15	198.65	207.07
SNNPR	14,085,000	127	347	801	154	47.18	75.61	81.08
Gambella *	234,000	8	12	42	7	136.75	226.50	226.50
Hareri	185,000	2	19	7	19	129.73	148.65	200.00
Addis Ababa	2,805,000	27	136	78	387	72.55	86.45	155.44
Dire Dawa	370,000	5	13	23	20	68.92	100.00	127.03
National	71,066,000	519	1,797	2,899	1299	43.63	64.02	73.16

Note: Health Centers, Health Stations, Health Posts & Private Clinics are included in the calculation which are considered to serve a population of 25,000, 10,000, 5,000 & 5,000 respectively.

* Number of health facilities for Gambela is taken from 1995 report

Fig.3 Progress in Potential Health Service Coverage



7.2 DISTRIBUTION OF HEALTH INFRASTRUCTURE, 1996

Region	Hospitals			Health Centers				Health Stations			Health Posts	
	MOH	Others [@]	Total	Beds	MOH	Others*	Total	Beds	MOH	Others*		Total
Tigray	12	3	15	1256	32	0	32	195	166	15	181	164
Afar	2	0	2	120	9	0	9	70	45	0	45	59
Amhara	15	2	17	1318	115	0	115	431	0	0	0	1128
Oromia	20	9	29	2234	161	6	167	0	752	141	893	440
Somali	6	0	6	436	15	2	17	200	87	1	88	97
Ben.-Gumz	2	0	2	254	10	0	10	8	57	6	63	60
SNNPR	11	5	16	2640	123	4	127	550	298	49	347	801
Gambella***	1	0	1	93	4	4	8	0	12	0	12	42
Hareri	3	2	5	456	2	0	2	20	9	10	19	7
Addis Ababa	5	20	25	2346	23	4	27	115	8	128	136	78
Dire Dawa	1	2	3	445	5	0	5	50	4	9	13	23
Central**	4	1	5	1871								
National	82	44	126	13469	499	20	519	1639	1438	359	1797	2899

[@] Includes Private Hospitals

* Facilities owned by OGA & NGOs

** Includes 5 Central hospitals (St. Paulos, St. Peter, Amanuel, ALERT & Black Lion Hospitals)

*** Data for Gambella Region is taken from 1995 report

7.3 DISTRIBUTION OF HOSPITALS BY TYPE AND OWNERSHIP, 1996

Region	MOH			OGA	NGO	Private	Total
	Specialized Hospital	Zonal Hospital	District Hospital				
Tigray	0	5	7	1	0	2	15
Afar	0	1	1	0	0	0	2
Amhara	2	4	9	2	0	0	17
Oromia	0	12	8	5	4	0	29
Somali	0	3	3	0	0	0	6
Benishangul	0	1	1	0	0	0	2
SNNPR	0	6	5	1	4	0	16
Gambella*	0	0	1	0	0	0	1
Hareri	0	2	1	2	0	0	5
Addis Ababa	0	5	0	3	2	15	25
Dire Dawa	0	0	1	1	0	1	3
Central	4			1			5
National	6	39	37	16	10	18	126

7.4 DISTRIBUTION OF PRIVATE OWNED CLINICS BY TYPE AND REGION, 1996

Region	Types of Clinics				Total
	Lower	Medium	Higher	Special	
Tigray	24	3	3	0	30
Afar	3	0	0	0	3
Amhara	131	38	5	1	175
Oromia	389	83	12	8	492
Somali	1	1	0	0	2
Benishangul	16	0	0	0	16
SNNP	115	31	8	0	154
Gambella*	6	1	0	0	7
Hareri	6	12	1	0	19
Addis Ababa	110	103	92	14	319
Dire Dawa	6	10	4	0	20
National	799	284	125	91	1299

* Data for Gambella region is taken from 1995 report

7.5 DISTRIBUTION OF PHARMACEUTICAL RETAIL OUTLETS BY REGION & OWNERSHIP, 1996

Region	Pharmacies				Drug Shops				Rural Drug Vendors		
	Public	NGO	Private	Total	Public	NGO	Private	Total	NGO	Private	Total
Tigray	0	1	14	15	1	0	0	1	0	223	223
Afar	0	0	1	1	0	0	4	4	0	45	45
Amhara	NA	NA	NA	28	NA	NA	NA	83	NA	NA	220
Oromia	1	4	60	65	0	7	117	124	0	755	755
Somali	0	0	0	0	1	1	0	2	0	61	61
Benishangul	0	0	0	0	0	0	3	3	0	33	33
SNNPR	6	3	15	24	0	1	40	41	0	417	417
Gambella*	1	0	0	1	0	0	2	2	0	15	15
Hareri	0	0	4	4	1	0	10	11	0	3	3
Addis Ababa	16	0	104	120	1	0	95	96	0	6	6
Diredawa	2	1	14	17	1	0	3	4	0	7	7
National	26	9	212	275	5	10	277	375	0	1563	1783

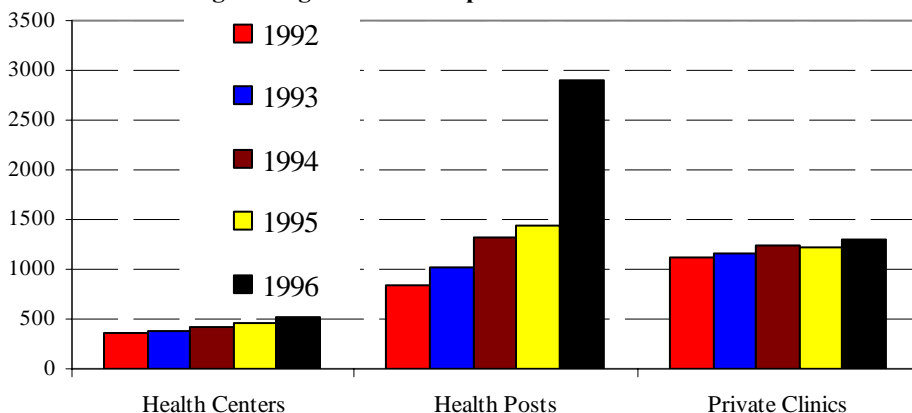
* Data for Gambella region is taken from 1995 report

7.6 HEALTH FACILITY CONSTRUCTION, REHABILITATION & EXPANSION, 1996

Description	Activities						
	Construction		Rehabilitated	Expanded	Upgraded	Equipped	Furnished
	New	Ongoing					
Specialized Hospital	0	0	0	0	0	0	0
Zonal Hospital	0	0	2	2	0	9	1
District Hospital	0	6	2	2	1	3	0
Health Centers	18	81	2	3	2	7	2
Health Stations	0	0	2	0	25	0	0
Health Post	300	724	0	0	0	15	0
Training School	1	2	2	5	1	2	4
Drug Store	2	0	0	0	0	0	0
Regional laboratory	1	1	1	0	0	0	0
Regional Health Bureaus	0	2	0	0	0	0	0
Zonal Health Departments	0	3	0	0	0	0	0
Wereda Health Office	0	0	0	0	0	0	0
Medical Equipment Workshop Construction	0	0	0	0	0	0	0
Regional Cold Chain Store	0	0	0	0	0	0	0

No data from Gambella region

Fig. 4 Progress in Development of Health Facilities



8. HUMAN RESOURCES

8.1 HEALTH HUMAN RESOURCE DISTRIBUTION BY REGION AND SEX, 1996

Profession	Tig	Afar	Amh	Orom	Som	Ben	SNNP	Gam	Har	A/A	DD	Cent	NGO	OGA	Private@	Total (%F)
Physicians	92	14	146	208	42	17	123	12	50	219	31	231	107	341	363	1996
Female	2	0	7	NA	0	1	9	0	5	54	4	39	3	NA	43	11.5
Health Officers	57	9	121	156	10	24	145	6	4	2	2	19	33	78	17	683
Female	10	1	10	NA	2	3	14	1	1	1	0	7	5	NA	0	12.2
Pharmacists	4	2	6	36	5	2	13	2	1	2	3	15	16	47	18	172
Female	2	0	0	NA	0	0	2	0	0	0	0	2	0	NA	3	10.1
Nurses	1344	238	1580	2696	385	340	2032	158	214	811	145	639	515	4098	348	15543
Female	921	64	519	NA	103	78	627	44	94	578	86	442	188	NA	271	45.9
Env. Health W.	111	13	267	326	22	28	227	4	8	6	11	20	34	85	7	1169
Female	29	2	20	NA	3	0	19	0	1	0	2	4	2	NA	0	10.8
Lab. Tech.	181	23	253	476	47	25	335	10	29	124	21	69	98	454	258	2403
Female	66	1	26	NA	5	2	47	2	6	45	4	28	18	NA	51	20.4
Radiographer	16	2	25	43	5	6	22	1	7	32	3	27	14	52	45	300
Female	1	0	1	NA	0	0	0	0	1	7	0	4	1	NA	6	10.2
Pharm.Tech.	156	19	163	208	16	21	159	5	14	54	4	18	35	274	25	1171
Female	52	3	32	NA	3	6	24	0	3	23	0	7	2	NA	8	23.7
Health Assistant	893	56	1032	2140	121	66	814	39	61	335	31	159	212	301	368	6628
Female	419	19	310	NA	17	2	159	3	40	211	15	96	44	NA	278	38.5
*FLHW	7070	218	1769	252	385	92	777	39	43	74	28	8	127	4870	0	15752
Female	4348	76	578	NA	158	36	288	17	32	66	22	0	54	NA	0	53.4
Total	9924	594	5262	6541	1038	621	4647	276	431	1659	279	1205	1191	10600	1449	45817
Female	5850	166	1503	NA	291	128	1189	67	183	985	133	629	317	NA	660	42.2

* FLHW includes CHA, TBA, and PHW

@ Data is available only for Addis Ababa & Hareri region.

8.2 DISTRIBUTION OF PHYSICIANS BY SPECIALIZATION AND REGION, 1996

Region	Tig	Afar	Amh	Orom	Som	Ben	SNNP	Gam	Har	A/A	DD	Cent	NGO	OGA	Private*	Total	Total (%)*F
Total	92	14	146	208	42	17	123	12	50	219	31	231	107	341	363	1996	11.5
Specialists	31	1	33	40	15	2	28	0	14	76	12	160	25	157	181	775	13.3
Internists	3	1	3	3	1	0	0	0	2	13	0	38	5	24	19	112	3.5
Surgeons	4	0	6	6	3	2	11	0	4	15	2	31	4	34	22	144	1.9
Pediatricians	3	0	2	5	2	0	3	0	1	8	3	13	1	20	22	83	29.3
Gynaecologists	3	0	7	10	1	0	6	0	3	12	4	16	4	14	24	104	13.8
Ophthalmologists	2	0	3	3	1	0	1	0	1	9	1	2	1	10	14	48	31.4
Orthopedists	0	0	1	1	0	0	0	0	0	2	0	5	0	7	2	18	10.0
ENT Specialists	0	0	0	1	0	0	0	0	0	4	0	3	3	6	0	17	0.0
Anaesthesiologists	0	0	1	1	0	0	0	0	1	3	1	7	0	7	1	22	7.1
Dentists	0	0	1	0	1	0	0	0	0	0	0	1	4	3	50	60	19.3
Radiologists	2	0	2	2	1	0	1	0	1	5	0	7	0	8	10	39	20.7
Physiotherapists	1	0	0	0	0	0	0	0	0	0	0	6	0	2	4	13	36.4
Neurologists	0	0	0	0	0	0	0	0	0	2	0	1	0	2	1	6	0.0
Public Health	12	0	7	8	5	0	6	0	1	2	1	11	3	7	1	64	12.2
Dermatologists	0	0	0	0	0	0	0	0	0	0	0	6	0	4	7	17	23.1
Psychiatrists	0	0	0	0	0	0	0	0	0	0	0	8	0	3	1	12	0.0
Pathologists	1	0	0	0	0	0	0	0	0	1	0	5	0	6	3	16	10.0
General Practitioners	61	13	113	168	27	15	95	12	36	143	19	71	82	184	182	1221	10.4

* Data is available only for Addis Ababa & Hareri region.

8.3 DISTRIBUTION OF NURSES BY SPECIALTY, REGION AND SEX, 1996

Region	Nurse B.Sc.		Mid-Wife Nurse		Psychiatry Nurse		Anaesthist Nurse		MCH Nurse		Dental Nurse		Clinical Nurse		Public Health N.		Staff Nurse		Other Nurses*		Total	
	BS	F	BS	F	BS	F	BS	F	BS	F	BS	F	BS	F	BS	F	BS	F	BS	F	BS	F
	Tigray	5	2	182	172	4	1	6	0	1	0	2	2	1128	737	15	6	0	0	1	1	1344
Afar	0	0	31	11	2	1	2	0	0	0	0	0	195	50	7	2	0	0	1	0	238	64
Amhara	70	5	118	65	10	4	13	6	7	2	0	0	909	258	154	55	277	111	22	13	1580	519
Oromia	12	NA	246	NA	20	NA	22	NA	9	NA	4	NA	1948	NA	419	NA	0	NA	16	NA	2696	NA
Somali	1	1	48	44	0	0	4	0	0	0	0	0	306	53	13	0	8	4	5	1	385	103
Ben-Gumuz	0	0	53	25	2	0	3	1	0	0	2	0	219	42	57	9	2	1	2	0	340	78
SNNPR	6	2	254	117	11	5	15	5	3	0	4	1	1411	400	322	96	0	0	6	1	2032	627
Gambella	2	0	17	5	1	0	1	1	0	0	0	0	104	27	21	7	3	0	9	4	158	44
Hareri	3	0	23	15	2	1	3	1	2	1	1	0	143	62	12	2	7	3	18	9	214	94
Addis Ababa	4	4	126	112	0	0	30	14	9	7	0	0	331	205	26	17	276	212	9	7	811	578
Dire Dawa	3	1	12	8	2	1	4	1	3	3	1	1	105	64	12	6	0	0	3	1	145	86
Central	7	4	26	24	37	14	26	12	4	3	0	0	239	175	39	24	166	114	95	72	639	442
NGO	3	0	70	35	3	0	7	5	1	1	3	0	267	70	53	13	74	45	34	19	515	188
OGA	25	NA	48	NA	26	NA	103	NA	1	NA	10	NA	3496	NA	17	NA	108	NA	264	NA	4098	NA
Private**	0	0	20	19	0	0	15	4	0	0	1	0	8	5	2	0	303	243	0	0	349	271
National/(%F)	141	18.3	1274	66.5	120	36.5	254	38.8	40	56.7	28	28.6	10809	40.0	1169	32.3	1224	65.7	485	62.4	15544	45.9

* Includes Tutor, Surgical, Ophthalmic, OR & Pediatric Nurses

** Data is available only for Addis Ababa & Hareri region. (Health Professionals working under private Health Facilities)

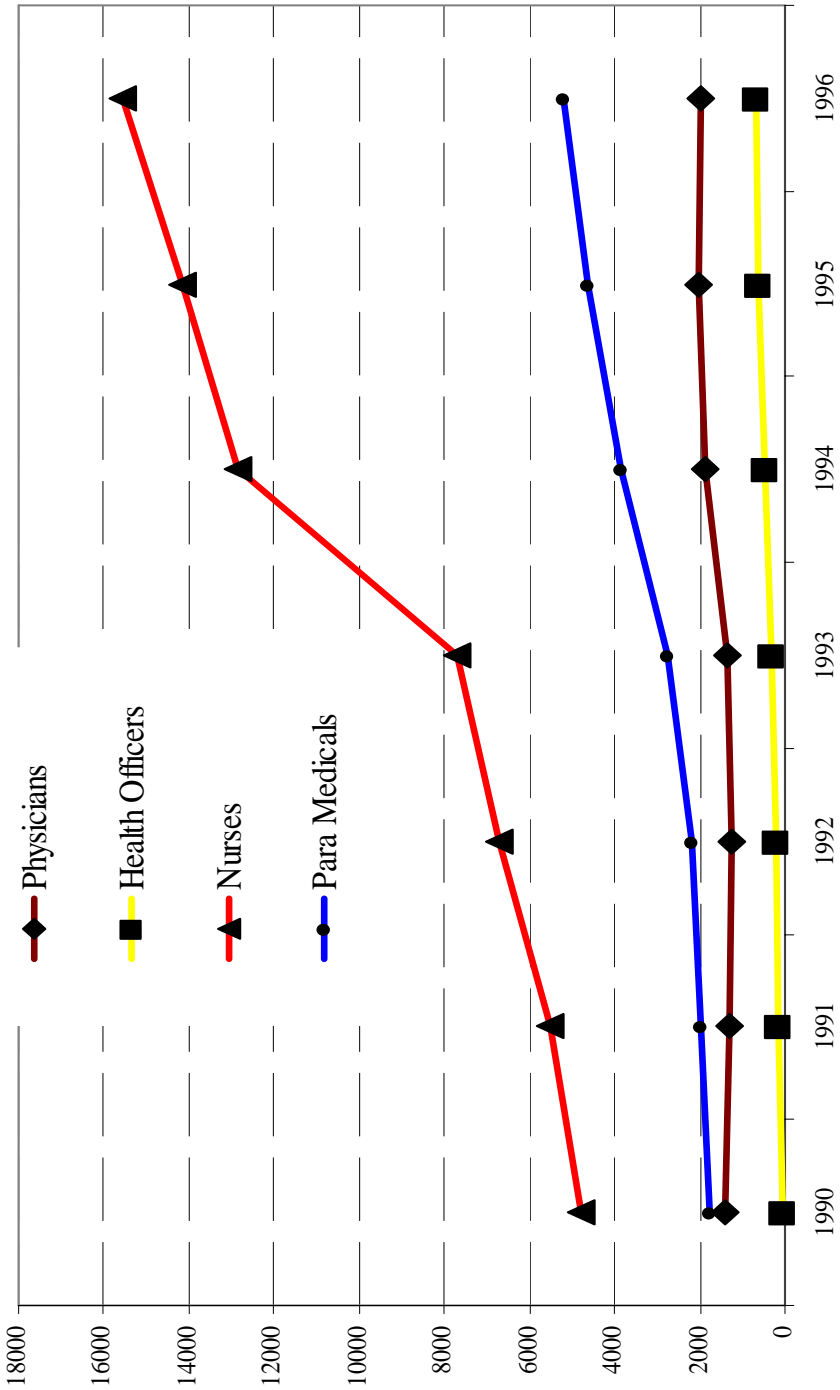
8.4 HEALTH PROFESSIONALS POPULATION RATIO BY REGION, 1996

Region	Population	Physician*		Nurse		Health Assistant		Nurses & Health Assistants		Environmental Health Worker	
		No.	Ratio	No.	Ratio	No.	Ratio	No.	Ratio	No.	Ratio
Tigray	4,113,000	149	27,604	1,344	3,060	893	4,606	2,237	1,839	111	37,054
Afar	1,330,000	23	57,826	238	5,588	56	23,750	294	4,524	13	102,308
Amhara	18,143,000	267	67,951	1,580	11,483	1,032	17,580	2,612	6,946	267	67,951
Oromia	25,098,000	364	68,951	2,696	9,309	2,140	11,728	4,836	5,190	326	76,988
Somali	4,109,000	52	79,019	385	10,673	121	33,959	506	8,121	22	186,773
Benishangul	594,000	41	14,488	340	1,747	66	9,000	406	1,463	28	21,214
SNNPR	14,085,000	268	52,556	2,032	6,932	814	17,303	2,846	4,949	227	62,048
Gambella**	234,000	18	13,000	158	1,481	39	6,000	197	1,188	4	58,500
Hareri	185,000	54	3,426	214	864	61	3,033	275	673	8	23,125
Addis Ababa	2,805,000	221	12,692	811	3,459	335	8,373	1,146	2,448	6	467,500
Dire Dawa	370,000	33	11,212	145	2,552	31	11,935	176	2,102	11	33,636
Central		250		639		159		798		20	
NGO		140		515		212		727		34	
OGA		419		4,098		301		4,399		85	
Private		380		349		368		717		7	
National	71,066,000	2,679	26,527	15,544	4,572	6,628	10,722	22,172	3,205	1,169	60,792
WHO Standard			1:10,000		1:5,000				1:5,000		

* The number of physicians include 683 health officers

** Data for Gambella region is taken from 1995 report

Fig. 5 Availability of Health Personnel by Selected Professional Categories



9. BUDGET ALLOCATION & EXPENDITURE

9.1 RECURRENT HEALTH BUDGET ALLOCATION & EXPENDITURE BY REGION, 1996

Region	Budget	*Expenditure	% Expenditure
Tigray	68780000	65600000	95.4
Afar	13780000	30400000	220.6
Amhara	120790000	95632000	79.2
Oromia	165390000	93005000	56.2
Somali	17230000	15009000	87.1
Ben-Gum	16070000	15444000	96.1
SNNPR	79740000	65603000	82.3
Gambella	10550000	12979000	123.0
Hareri	12090000	11783000	97.5
Addis Ababa	62670000	55262000	88.2
Dire Dawa	10800000	8855000	82.0
Federal MOH	74640000	**62600000	83.9
National	652,530,000	532,172,000	81.6

9.2 CAPITAL HEALTH BUDGET ALLOCATION & EXPENDITURE BY REGION, 1996

Region	Budget	*Expenditure	% Expenditure
Tigray	26780000.0	7461000	27.9
Afar	17170000.0	4525000	26.4
Amhara	84810000.0	24252000	28.6
Oromia	113050000.0	17766000	15.7
Somali	36480000.0	8890000	24.4
Ben-Gum	10980000.0	2379000	21.7
SNNPR	85320000.0	11030000	12.9
Gambella	7050000.0	2037000	28.9
Hareri	3440000.0	1388000	40.3
A/Ababa	94120000.0	50083000	53.2
Dire Dawa	8090000.0	2805000	34.7
Federal MOH	30520000.0	**245800000	805.4
National	517,810,000	378,416,000	73.1

* From treasury sources.

** From treasury, assistance and external loan sources; assistance source being an estimate
Source: Ministry of Finance & Economic Development

9.3 PUBLIC HEALTH EXPENDITURE PER CAPITA BY REGION, 1996

Region	Population 1996	Budget Allocation	Total Expenditure	Per Capita
Tigray	4,113,000	95,560,000	73,061,000	17.8
Afar	1,330,000	30,950,000	34,925,000	26.3
Amhara	18,143,000	205,600,000	119,884,000	6.6
Oromia	25,098,000	278,440,000	110,771,000	4.4
Somali	4,109,000	53,710,000	23,899,000	5.8
Ben-Gum	594,000	27,050,000	17,823,000	30.0
SNNPR	14,085,000	165,060,000	76,633,000	5.4
Gambella	234,000	17,600,000	15,016,000	64.2
Hareri	185,000	15,530,000	13,171,000	71.2
Addis Ababa	2,805,000	156,790,000	105,345,000	37.6
Dire Dawa	370,000	18,890,000	11,660,000	31.5
Federal MOH		105,160,000	308,400,000	-
National	71,066,000	1,170,340,000	910,588,000	12.8

9.4 RECURRENT BUDGET ALLOCATION & EXPENDITURE, 1981-1996

Year	Recurrent			
	Allocation	Expenditure	% Expenditure	% National
1981	103,560,009	73,967,816	71.4	2.4
1982	75,507,467	56,890,315	75.3	1.5
1983	159,062,394	128,398,802	80.7	3.4
1984	160,799,956	151,508,560	94.2	4.1
1985	196,655,412	189,093,097	96.2	6.2
1986	300,921,100	257,700,000	85.7	6.5
1987	337,850,000	310,210,000	91.8	5.7
1988	357,040,000	328,060,000	91.9	6.1
1989	362,590,000	333,340,000	91.9	6.0
1990	379,800,000	394,264,000	103.8	5.5
1991	478,870,000	455,807,000	95.2	5.6
1992	406,799,000	398,412,486	98.0	3.5
1993	466,110,000	444,380,000	95.3	4.0
1994	549,608,500	522,000,000	95.0	4.3
1995	1,020,100,000	526,600,000	51.6	7.4
1996	652,530,000	532,172,000	81.6	5.2

Source: Ministry of Finance & Economic Development

9.5 CAPITAL BUDGET ALLOCATION & EXPENDITURE, 1981-1996

Year	Capital			
	Allocation	Expenditure	% Expenditure	% National
1981	65,989,537	43,712,369	66.24	2.13
1982	63,657,463	41,816,479	65.69	2.31
1983	48,914,848	32,083,363	65.59	2.18
1984	63,014,122	37,390,162	59.34	3.60
1985	68,185,200	66,800,000	97.97	4.59
1986	211,012,822	68,548,811	32.49	5.51
1987	224,690,000	119,960,000	53.39	4.50
1988	262,300,000	153,890,000	58.67	5.02
1989	307,098,736	216,420,000	70.47	5.93
1990	354,200,000	276,910,000	78.18	6.59
1991	303,100,000	648,390,000	213.92	4.91
1992	360,537,000	176,700,000	49.01	4.75
1993	756,220,000	305,350,000	40.4	13.60
1994	503,565,585	235,100,000	46.7	8.44
1995	517,900,000	297,800,000	57.5	7.15
1996	517,810,000	378,416,000	73.1	6.40

9.6 PUBLIC HEALTH EXPENDITURE PER CAPITA, 1981-1996

Years	Population	Budget Allocation	Total Expenditure	Per Capita
1981	46,148,343	169,549,546	117,680,185	2.6
1982	47,348,200	139,164,930	98,706,794	2.1
1983	48,579,254	207,977,242	160,482,165	3.3
1984	49,842,314	223,814,078	188,898,722	3.8
1985	52,467,808	264,840,612	255,893,097	4.9
1986	53,477,265	511,933,922	326,248,811	6.1
1987	54,649,000	562,540,000	430,170,000	7.9
1988	56,372,000	619,340,000	481,950,000	8.5
1989	58,117,000	669,688,736	549,760,000	9.5
1990	59,882,000	734,000,000	671,174,000	11.2
1991	61,672,000	781,970,000	1,104,197,000	17.9
1992	63,495,000	767,336,000	575,112,486	9.1
1993	65,344,000	1,222,330,000	749,730,000	11.5
1994	67,220,000	1,053,174,085	757,100,000	11.3
1995	69,127,021	1,538,000,000	824,400,000	11.9
1996	71,066,000	1,170,340,000	910,588,000	12.8

Source: Ministry of Finance & Economic Development

10. DISEASE STATISTICS

10.1 OUTPATIENT VISIT & ADMISSION DATA, 1996

Region	Population	Out Patient			Total Admission	% Admission of New OPD Visit
		New Visit	Repeat Visit	Visit per Capita		
Tigray	4,113,000	1,631,255	1,515,790	37,047	2.27	
Afar	1,330,000	545,425	455,072	2,167	0.40	
Amhara	18,143,000	4,072,443	2,728,617	NA	NA	
Oromia	25,098,000	5,253,874	4,361,267	NA	NA	
Somali	4,109,000	321,781	61,666	3,294	1.02	
Ben.-Gumz	594,000	302,729	105,018	5,512	1.82	
SNNPR	14,085,000	1,069,426	973,905	NA	NA	
Gambella	234,000	NA	NA	NA	NA	
Hareri	185,000	128,682	26,162	12,600	9.79	
Addis Ababa	2,805,000	971,745	341,041	4,957	2.67	
Dire Dawa	370,000	61,244	63,430	6,456	10.54	
Central		177,383	237,186	22,823	12.87	
National	71,066,000		25,405,141	115,803	2.80	

10.2 NUMBER OF BEDS, DAYS SPENT IN HOSPITAL, DISCHARGES & DEATHS, 1996

Regions	Hospitals & Health Centers									
	No. of Beds	Total Length of Stay in Days	Ave. Length of Stay	Bed Occupancy Rate	Total Discharged		Discharged Dead			
					Both Sexes	Female	Both Sexes	Female		
Tigray	1451	202807	5.5	46.6	37,047	19,554	6618	2873		
Afar	190	4379	2.0	7.7	2,167	955	440	188		
Amhara	1749	NA	NA	NA	NA	NA	1224	NA		
Oromia	2234	NA	NA	NA	NA	NA	NA	NA		
Somali	636	17856	5.4	9.4	3,294	1,621	722	310		
Benishangul	254	14774	2.7	19.4	5,512	2,603	702	305		
SNNPR	2640	NA	NA	NA	NA	NA	NA	NA		
Gambella	93	NA	NA	NA	NA	NA	NA	NA		
Hareri	476	155687	12.4	109.0	12,600	7,178	1102	523		
Addis Ababa	1564	155687	31.4	33.2	4,957	1,520	706	39		
Dire Dawa	495	17340	2.7	11.7	6,456	2,768	843	350		
Central	1720	495684	21.7	96.1	22,823	5,707	3163	576		
National	13,502	1,140,830	9.9	28.2	115,803	41,906	14,592	5,164		

10.3 DIAGNOSTIC SERVICES, 1996

Regions	New OPD Visit	% Diagnostic Services to New OPD Visit					
		Blood	Urine	Stool	Sputum	X-ray	Sonography
Tigray	1,631,255	5.19	11.71	10.70	0.16	1.14	
Afar	545,425	4.82	0.65	2.25	0	0.42	
Amhara	4,072,443	12.10	3.22	6.37	NA	0.96	0.32
Oromia	5,253,874	NA	NA	NA	NA	0.89	
Somali	321,781	3.07	2.53	2.58	1.05	0.21	
Benishangul	302,729	12.30	1.13	8.89	0.45	0.01	
SNNPR	1,069,426	40.22	9.53	20.34	0	2.20	0.57
Gambella	NA	NA	NA	NA	NA	NA	
Hareri	128,682	41.14	31.43	17.26	9.62	10.89	1.27
Diredawa	89,180	59.41	9.23	11.98	4.01	2.36	
Addis Ababa	971,745	22.02	12.99	10.34	4.15	3.62	1.21
Central	177,383	38.31	36.70	23.93	10.97	38.50	4.17
National	13,564,242	15.64	7.29	9.39	0.88	1.72	0.43

10.4 MAJOR & MINOR SURGERY PERFORMED BY REGION, 1996

Regions	Hospital		Health Center		Total	
	Major	Minor	Major	Minor	Major	Minor
Tigray	5,254	11,020		112	5,254	11,132
Afar	99	505		31	99	536
Amhara	8,767	NA		NA	8,767	25,408
Oromia	13,121	NA		NA	13,121	49,463
Somali	411	259		0	411	259
Benishangul	308	707		0	308	707
SNNPR	3,406	5,962	114	1,478	3,520	7,440
Gambella	NA	NA		NA	NA	NA
Hareri	1,920	795		0	1,920	795
Diredawa	1,206	371		4	1,206	375
Addis Ababa	13,890	14,600		0	13,890	14,600
Central	10,952	8,577			10,952	8,577
Total	59,334	42,796	114	1,625	59,448	119,292

10.5 TOP 10 LEADING CAUSES , 1995

10.5.1 TOP 10 LEADING CAUSE OF OUTPATIENT VISIT

Top 10 leading Causes of Outpatient Visits, 1995

Rank	Diagnosis	Cases	%
1	All types of Malaria	549,632	15.5
2	Helminths	253,928	7.2
3	Acute upper respiratory infections	200,178	5.7
4	Dysentery	170,403	4.8
5	Gastritis and duodenitis	132,638	3.7
6	Bronchopneumonia	124,336	3.5
7	Infections of skin and subcutaneous tissue	117,588	3.3
8	All other infective and parasitic diseases	82,579	2.3
9	All other diseases of Genito-Urinary system	81,648	2.3
10	Primary atypical, other, and unspecified pneumonia	74,742	2.1
Total of 10 leading causes		1,787,672	50.5
Total of all diseases		3,542,231	100.0

Top 10 leading Causes of Outpatient Visits for Female , 1995

Rank	Diagnosis	Cases	%
1	All types of Malaria	243,491	14.6
2	Helminths	117,722	7.1
3	Acute upper respiratory infections	92,772	5.6
4	Dysentery	76,519	4.6
5	Gastritis and duodenitis	73,764	4.4
6	Bronchopneumonia	56,477	3.4
7	All other diseases of Genito-Urinary system	53,095	3.2
8	Infections of skin and subcutaneous tissue	49,766	3.0
9	All other infective and parasitic diseases	36,424	2.2
10	Hypertrophy of tonsils and adenoids	34,860	2.1
Total of 10 leading causes		834,890	50.1
Total of all diseases		1,666,186	100.0

Top 10 leading Causes of Outpatient Visits for infant, 1995

Rank	Diagnosis	Cases	%
1	All types of Malaria	34,525	10.8
2	Acute upper respiratory infections	29,806	9.3
3	Gastro-enteritis and colitis (age 4 weeks to 2 years)	25,985	8.1
4	Dysentery	24,107	7.5
5	Bronchopneumonia	23,209	7.3
6	Influenza	18,713	5.8
7	Primary atypical, other, and unspecified pneumonia	15,395	4.8
8	Helminths	14,570	4.6
9	Hypertrophy of tonsils and adenoids	13,219	4.1
10	Infections of skin and subcutaneous tissue	10,178	3.2
Total of 10 leading causes		209,707	65.5
Total of all diseases		319,992	100.0

* Data is not available from Amhara, Oromia, Somali

10.5.2 TOP 10 LEADING CAUSE OF ADMISSION

Top 10 leading Causes of Admission, 1995

Rank	Diagnosis	Cases	%
1	All types of Malaria	31,470	20.4
2	Deliveries without mention of complication	14,695	9.5
3	Bronchopneumonia	6,767	4.4
4	All types of TB	6,608	4.3
5	Dysentery	4,348	2.8
6	Other complication of pregnancy, childbirth and (puerperium)	4,049	2.6
7	Relapsing Fever	3,777	2.5
8	Abortion without mention of sepsis or toxemia	3,653	2.4
9	Primary atypical, other, and unspecified pneumonia	3,322	2.2
10	Helminths	3,085	2.0
Total of 10 leading causes		81,774	53.1
Total of all diseases		154,032	100.0

Top 10 leading Causes of Admission for Female , 1995

Rank	Diagnosis	Cases	%
1	Deliveries without mention of complication	14,695	21.3
2	All types of Malaria	14,169	20.5
3	Other complication of pregnancy, childbirth and puerperium	3,059	4.4
4	Abortion without mention of sepsis or toxemia	2,690	3.9
5	Bronchopneumonia	2,557	3.7
6	All types of TB	2,404	3.5
7	Dysentery	1,870	2.7
8	Relapsing Fever	1,536	2.2
9	Helminths	1,438	2.1
10	Primary atypical, other, and unspecified pneumonia	1,325	1.9
Total of 10 leading causes		45,743	66.2
Total of all diseases		69,102	100.0

Top 10 leading Causes of Admission for Infant, 1995

Rank	Diagnosis	Cases	%
1	All types of Malaria	2,256	18.1
2	Bronchopneumonia	2,120	17.0
3	Gastro-enteritis and colitis (age 4 weeks to 2 years)	1,531	12.3
4	Observation without need for further medical care	951	7.6
5	Primary atypical, other, and unspecified pneumonia	915	7.4
6	Dysentery	780	6.3
7	Lobar pneumonia	339	2.7
8	All types of TB	289	2.3
9	Acute upper respiratory infections	243	2.0
10	All other infective and parasitic diseases	172	1.4
Total of 10 leading causes		9,596	77.2
Total of all diseases		12,436	100.0

* Data is not available from Amhara, Oromia, Somali

10.5.3 TOP 10 LEADING CAUSE OF DEATHS

Top 10 leading Causes of Death, 1995

Rank	Diagnosis	Cases	%
1	All types of Malaria	1,204	27.0
2	All types of TB	511	11.5
3	Bronchopneumonia	278	6.2
4	Primary atypical, other, and unspecified pneumonia	194	4.4
5	Tetanus	101	2.3
6	Relapsing Fever	42	0.9
7	Lobar pneumonia	89	2.0
8	Dysentery	82	1.8
9	Hypertension without mention of heart	90	2.0
10	Pyrexia of unknown origin (Fever)	68	1.5
Total of 10 leading causes		2,659	59.6
Total of all diseases		4,459	100.0

Top 10 leading Causes of Death for Female , 1995

Rank	Diagnosis	Cases	%
1	All types of Malaria	524	26.7
2	All types of TB	231	11.8
3	Bronchopneumonia	98	5.0
4	Primary atypical, other, and unspecified pneumonia	92	4.7
5	Relapsing Fever	45	2.3
6	Other complication of pregnancy, childbirth and puerperium	42	2.1
7	Dysentery	38	1.9
8	Hypertension without mention of heart	38	1.9
9	Lobar pneumonia	36	1.8
10	Typhoid Fever	33	1.7
Total of 10 leading causes		1,177	60.0
Total of all diseases		1,961	100.0

Top 10 leading Causes Death for Infants, 1995

Rank	Diagnosis	Cases*	%
1	All types of Malaria	106	21.1
2	Bronchopneumonia	95	18.9
3	Primary atypical, other, and unspecified pneumonia	77	15.3
4	Lobar pneumonia	28	5.6
5	Gastro-enteritis and colitis (age 4 weeks to w years)	24	4.8
6	Tetanus	17	3.4
7	Dysentery	13	2.6
8	Septicaemia and pyaemia	12	2.4
9	Other meningitis (Except Meningococcal)	11	2.2
10	Observation without need for further medical care	11	2.2
Total of 10 leading causes		394	78.3
Total of all diseases		503	100.0

Data is not available from Amhara, Oromia, Somali, Addis Ababa

* Includes data from Addis Ababa Region

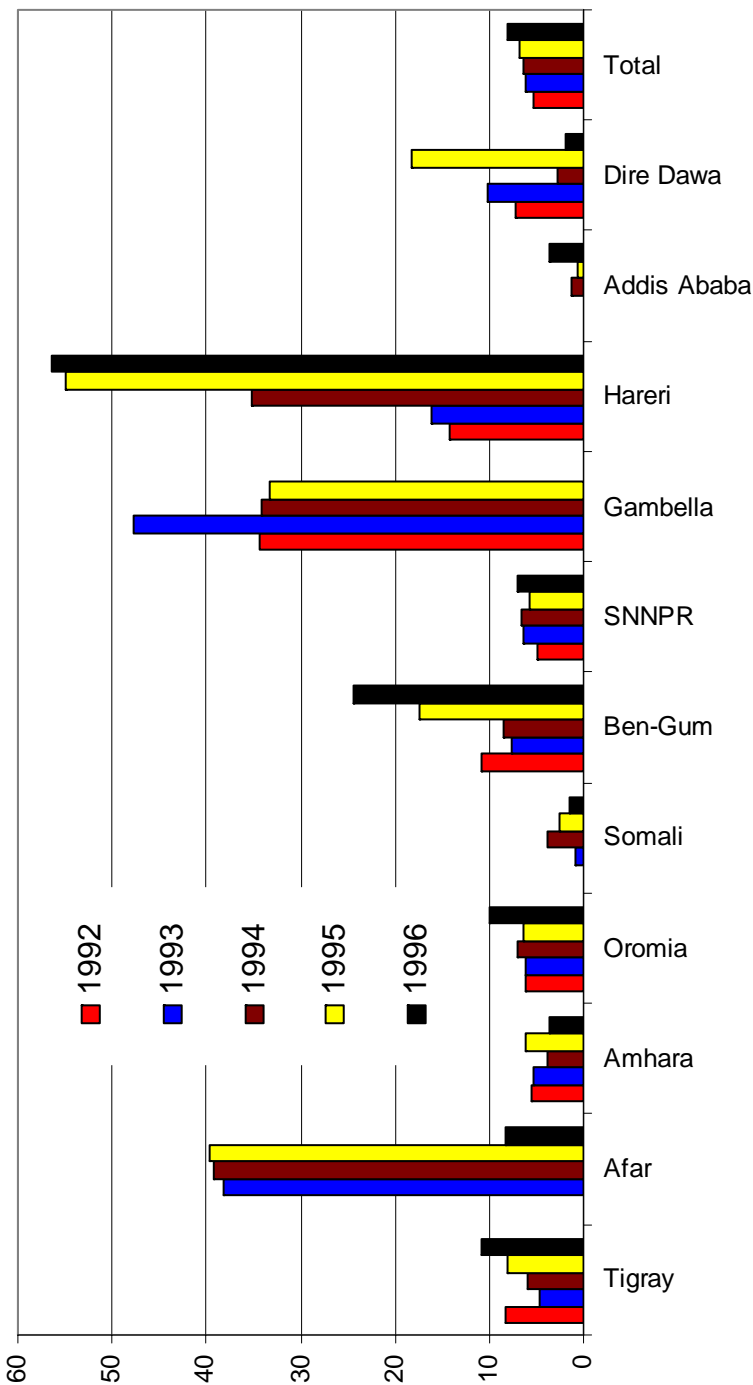
10.6 MALARIA CASES BY PARASITE SPECIES

Year	Region	Exam	Positive	P.f.	P.v.	P.m.	Mixed
1991	Tigray	125,517	55,323	35,201	20,115	7	91
	Afar	55,276	26,264	15,345	10,419	0	0
	Amhara	286,185	147,773	92,575	55,231	103	95
	Oromia	598,162	269,897	162,702	104,331	23	109
	Somali	21,305	10,500	9,180	1,317	0	3
	Ben-Gum	34,498	12,765	7,296	5,467	2	0
	SNNPR	224,779	113,897	53,611	59,089	112	1,085
	Gambella	23,145	9,269	8,268	918	27	0
	Hareri	9,597	2,231	2,026	203	0	2
	Total	1,378,464	647,919	386,204	257,090	274	1,385
	%	47.0	59.6	39.7	0.1	0.2	
1992	Tigray	219,972	30,376	22,237	17,673		77
	Afar	NA	NA	NA	NA	NA	NA
	Amhara	458,474	89,077	50,228	4,059	NA	NA
	Oromia	467,907	136,873	68,269	66,306	44	24
	Somali	26,660	NA	NA	NA	NA	NA
	Ben-Gum	11025	5857	3,903	1,856	1	
	SNNPR	332,738	61,079	28,876	31,103	78	577
	Gambella	NA	7,271	NA	NA	NA	NA
	Hareri	NA	2,274	1895	379	NA	NA
	Dire Dawa	NA	2,290	1523	767	NA	NA
	Total	1,516,776	335,097	176,931	122,143	123	678
	%	22.1	52.8	36.5	0.0	0.2	
1993	Tigray	72,725	17,527	8,428	9,099	-	-
	Afar	91,724	47,474	33,247	14,227	-	-
	Amhara	410,859	88,817	49,209	39,294	107	207
	Oromia	354,942	140,158	75,683	64,318	107	50
	Somali	16,754	3,433	3,309	124	-	-
	Ben-Gumuz	17,127	4,157	2,431	1,723	3	-
	SNNPR	172,426	82,486	55,310	26,780	133	263
	Gambella	20,771	10,305	9,031	1,254	20	-
	Hareri	7,947	2,675	2,277	398	-	-
	Addis Ababa	NA	NA	NA	NA	NA	NA
	Dire Dawa	4,452	3,339	1,627	1,712	-	-
	Total	1,169,727	400,371	240,552	158,929	370	520
	%	34.2	60.1	39.7	0.1	0.1	

Year	Region	Exam	Positive*	P.f.	P.v.	P.m.	Mixed
1994	Tigray	89,862	23,348	14,857	8,462	4	72
	Afar	82,760	49,865	27,546	22,319	-	-
	Amhara*	202,411	64,929	44,250	20,978	9	263
	Oromiya	390,804	164,208	73,044	63,042	31	260
	Somali	27,038	14,498	13,659	838	-	1
	Benishangul	16,397	4,769	256	4,513	-	-
	SNNPR	191,003	88,521	51,321	35,349	104	1,744
	Gambella	23,608	7,598	6,585	966	45	2
	Hareri	22,174	6,062	5,614	368	-	-
	Dire Dawa*	NA	937	NA	NA	NA	NA
	Addis Ababa*	16,387	3,096	1,818	1,278	-	-
	Total	1,062,444	427,831	238,950	158,113	193	2,342
	%	40.27	55.85	36.96	0.05	0.55	
1995	Tigray	103,773	31,855	21,485	9,794		586
	Afar	93,600	51,575	33,235	18,340		
	Amhara*		109,224				
	Oromiya	308,702	156,274	76,553	57,616	73	182
	Somali	20,015	10,041	9,871	165		5
	Benishangul		10,064	4,804	5,229	2	30
	SNNPR	173,128	78,923	43,391	35,491	41	28
	Gambella	23,608	7,598	6,585	960	45	2
	Hareri	33,230	9,764	8,543	1,045		176
	Dire Dawa*		6,526				
	Addis Ababa*		1,779				
	Total	756,056	473,623	204,467	128,640	161	1,009
	%	62.64	43.17	27.16	0.03	0.21	
1996	Tigray	132,821	44,536	31,638	12,075	-	823
	Afar	22,601	11,115	7,765	3,350	-	-
	Amhara*	148,510	64,629	43,369	17,870	105	3,285
	Oromiya	554,210	250,408	181,366	63,966	508	4,568
	Somali	12,691	6,219	4,927	1,215	-	77
	Benishangul	67,975	14,524	9,850	4,668	6	-
	SNNPR	174,841	98,605	68,222	29,333	87	963
	Gambella	96,296	53,725	29,944	23,547	141	93
	Hareri	-	10,438	8,809	1,629	-	-
	Dire Dawa	NA	10,161	NA	NA	NA	NA
	Addis Ababa	923	727	265	462	-	-
	Total	1,210,868	565,087	386,155	158,115	847	9,809
	%	46.67	68.34	27.98	0.15	1.74	

* Incomplete data

Fig.6 Reported Laboratory Confirmed Malaria Cases per 1000 Population



! Reported Laboratory Confirmed Malaria Cases for the year 1996 in Gambella Region was 230 per 1000 Population

10.7 TUBERCULOSIS AND LEPROSY
10.7.1 TUBERCULOSIS CASE FINDINGS, 1996

Regions	Pulmonary Smear Positive					Pulmonary Smear Negative		Extra-Pulmonary		All New Cases		Total Notified Cases
	New	Relapse	Fail	Defaulter	Cases	%	Cases	%	Cases	%		
											Cases	
Tigray	2,019	128	9	12	2,488	31	3,318	42	7,825	98	7,974	
Afar	1,624	246	216	287	2,243	33	2,142	32	6,009	89	6,758	
Amhara	7,187	345	54	47	8,012	32	9,780	38	24,979	98	25,425	
Oromia	13,879	480	71	124	12,699	30	14,410	35	40,988	98	41,663	
Somali	1,273	101	15	17	761	26	745	26	2,779	95	2,912	
Benishangul	81	1	0	0	81	21	224	58	386	100	387	
SNNPR	9,866	251	30	95	4,719	23	5,235	26	19,820	98	20,196	
Gambella	313	47	0	24	224	26	257	30	794	92	865	
Hareri	261	8	3	2	126	24	136	25	523	98	536	
Addis Ababa	4,209	430	23	49	5,020	33	5,506	36	14,735	97	15,237	
Dire Dawa	718	64	3	15	746	33	724	32	2,188	96	2,270	
Total	41,430	2,101	424	672	37,119	30	42,477	34	121,026	97	124,223	

10.7.2 TUBERCULOSIS TREATMENT RESULTS, 1996

Patients on Short Course Chemotherapy

Regions	No of Patients	Cured	Completed	Success Rate	% Died	% Fail	% Default	% Transferred
Tigray	1,878	1,276	231	80.24	9.53	0.75	3.99	5.54
Afar	285	98	148	86.32	4.21	4.56	4.91	0.00
Amhara	6,484	4,483	767	76.93	8.05	0.68	4.50	5.80
Oromiya	10,304	6,625	2,044	84.13	6.77	0.57	6.01	2.51
Somali	1,258	948	20	76.95	6.20	1.43	5.01	4.37
Benshangul	167	116	16	79.04	12.57	0.00	3.59	4.79
SNNPR	8,572	5,023	2,094	83.03	5.03	0.79	6.15	5.00
Gambella	233	50	86	58.37	8.58	0.43	5.58	27.04
Hareri	178	143	8	84.83	5.62	0.56	6.18	2.81
A/Ababa	4,003	2,316	861	79.37	9.57	0.57	4.05	6.45
D/Dawa	637	482	23	79.28	6.59	2.83	5.97	5.34
Total	33,999	21,560	6,298	81.17	7.05	0.76	5.35	4.68
Standard				≥ 85			<10	

10.7.3 CASE DETECTION RATE OF PTB+ BY REGIONS, 1996

Region	Estimated Incidence	Detected New Cases	Case Detection Rate
Tigray	15,218	7,825	51
Afar	4,921	2,844	58
Amhara	67,129	24,979	37
Oromiya	92,863	40,988	44
Somali	15,203	2,779	18
Benshangul	2,198	386	18
SNNPR	52,115	19,820	38
Gambella	866	794	92
Hareri	685	523	76
Addis Ababa	10,379	14,735	142
Dire Dawa	1,369	2,188	160
National	262,944	117,861	45
Standard			≥70

10.7.4 NUMBER OF HEALTH FACILITIES PROVIDING DOTS & MDT

Regions	DOTS & MDT						DOTS only						MDT only					
	Hosp	HC	HS	HP	Total	% Facility	Hosp	HC	HS	HP	Total	% Facility	Hosp	HC	HS	HP	Total	% Facility
Tigray	0	27	118	0	145	37.0	12	0	0	0	12	3.1	0	0	0	0	0	0.0
Afar	2	4	16	0	22	19.1	0	0	0	0	0	0.0	0	0	0	0	0	0.0
Amhara	15	78	54	0	147	11.7	0	0	42	0	42	3.3	0	0	238	0	238	0.2
Oromiya	20	92	518	0	630	41.2	0	0	42	0	42	2.7	0	0	0	0	0	0.0
Somali	1	2	2	0	5	2.4	3	4	5	0	12	5.8	0	0	3	0	3	0.0
B/Gumuz	2	8	7	0	17	12.6	3	0	1	0	4	3.0	0	0	3	0	3	0.0
SNNPR	13	100	123	0	236	18.3	0	0	0	0	0	0.0	0	1	82	0	83	0.1
Gambella	1	5	54	0	60	87.0	0	0	0	0	0	0.0	0	0	10	0	10	0.1
Hareri	5	0	3	0	8	24.2	0	0	0	0	0	0.0	0	2	13	0	15	0.5
A/ Ababa	0	20	5	0	25	9.2	4	2	0	0	6	2.2	0	0	0	0	0	0.0
Dire Dawa	1	3	0	0	4	9.1	0	0	1	0	1	2.3	0	0	6	2	8	0.2
National	60	339	900	0	1299	24.3	22	6	91	0	119	2.2	0	3	355	2	360	0.1

10.7.5 LEPROSY CASE FINDINGS, 1996

Regions	Total Cases			New Cases			Total Relapses	Total Defaulter	Total Others
	All	PB %	MB %	All	PB %	MB %			
Tigray	277	7.6	92.4	249	7.6	92.4	19	8	1
Afar	14	42.9	57.1	14	42.9	57.1	0	0	0
Amhara	1850	15.0	85.0	1707	15.5	84.5	52	43	48
Oromiya	2232	8.9	91.1	1988	8.8	91.2	99	69	78
Somali	30	3.3	96.7	28	3.6	96.4	2	0	0
SNNPR	90	8.9	91.1	78	10.3	89.7	1	10	1
Benshangul	506	9.9	90.1	439	11.6	88.4	40	25	4
Gambella	118	14.4	85.6	28	3.6	96.4	5	47	4
Harrari	42	2.4	97.6	36	0.0	100.0	3	2	1
Addis Ababa	119	8.4	91.6	106	9.4	90.6	6	4	3
Dire Dawa	14	0.0	100.0	14	0.0	100.0	0	0	0
Total	5292	11.0	88.7	4687	11.6	88.8	227	208	140

10.8 NATIONAL SURVEILLANCE SYSTEM & EPIDEMIC REPORT, 1996
10.8.1 ANNUAL REPORT OF EPIDEMIC DISEASE, 1996

Regions Diseases	Tigray		Afar		Amhara		Oromia		Somali		Benis- hangul		SNNP		Gam- bella		Hareri		Addis Ababa		Dire Dawa		National		
	Cases	D	Cases	D	Cases	D	Cases	D	Cases	D	Cases	D	Cases	D	Cases	D	Cases	D	Cases	D	Cases	D	Cases	D	
Meningitis	554	21	0	0	557	23	1130	81	19	8	179	5	787	22	0	0	0	0	0	0	0	0	0	3,226	160
Measles	0	0	0	0	0	0	598	1	0	0	116	0	0	0	0	0	0	0	9	0	0	0	0	714	1
Diarrhea	0	0	0	0	46	0	0	0	0	0	142	0	0	0	0	0	0	0	0	0	0	0	0	188	0
Typhus	0	0	0	0	0	0	0	0	0	0	0	0	226	0	0	0	0	0	0	0	0	0	0	226	0
Typhoid F.	0	0	0	0	0	0	232	0	0	0	0	0	746	0	0	0	0	0	0	0	0	0	0	978	0
R.Fever	0	0	0	0	0	0	467	3	0	0	0	0	39	0	0	0	0	0	0	0	0	0	0	506	3
Dysentery	0	0	0	0	31	0	0	0	0	0	0	0	303	4	0	0	0	0	0	0	0	0	0	334	4
Malaria	0	0	0	0	0	0	263809	168	0	0	2301	33	3286	19	57	0	0	0	0	0	0	0	0	269453	220
Whopping	0	0	0	0	0	0	0	0	0	0	0	0	46	1	0	0	0	0	0	0	0	0	0	46	1
FUO*	0	0	0	0	0	0	0	0	0	0	0	0	51	0	0	0	0	0	0	0	0	0	0	51	0
AFI**	0	0	0	0	0	0	21	0	0	0	0	0	243	0	0	0	0	0	0	0	0	0	0	264	0
influenza	0	0	0	0	0	0	1483	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1483	0
Food Poison-	0	0	0	0	0	0	61	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	61	0

10.8.2 IDS REPORT,1996

A. Annual report by region compiled from weekly reportable diseases

Region	Cholera		Plague		Yellow Fever		M.Meningitis		Measles		AFP /Polio		NNT	
	Case	D	Case	D	Case	D	Case	D	Case	D	Case	D	Case	D
Tigray	0	0	0	0	0	0	78	3	23	0	31	0	0	0
Afar	0	0	0	0	0	0	42	0	0	0	16	0	3	1
Amhara	0	0	0	0	0	0	395	17	281	18	73	0	0	0
Oromiya	0	0	0	0	0	0	861	15	648	1	122	0	16	2
Somali	0	0	0	0	0	0	32	4	136	0	24	0	0	0
Benishangul	0	0	0	0	0	0	147	1	44	0	3	0	0	0
SNNP	0	0	0	0	0	0	229	9	61	0	74	0	8	2
Gambella	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Hareri	0	0	0	0	0	0	60	5	3	0	1	0	0	0
Dire Dawa	0	0	0	0	0	0	9	0	3	0	2	0	0	0
Addis Ababa	0	0	0	0	0	0	90	7	141	0	19	0	1	0
National	10	0	0	0	0	0	1943	61	1340	19	366	0	28	5

B. Annual report by region compiled from monthly reportable diseases

Region	B. Dysentery		Malaria		Rabies		T.Fever		R.Fever	
	Case	D	Case	D	Case	D	Case	D	Case	D
Tigray	19813	42	136954	130	685	2	516	1	69	2
Afar	2400	0	45670	57	0	0	319	4	49	0
Amhara	6206	13	161707	994	37	3	3497	67	987	22
Oromiya	15095	13	362229	625	1248	8	17188	16	3610	28
Somali	4080	70	29666	273	0	0	99	0	0	0
Benishangul	2271	3	91465	60	11	0	1040	4	3	0
SNNPR	5665	9	168228	297	65	0	7127	3	1247	14
Gambella	571	0	12676	26	0	0	128	0	0	0
Hareri	1193	9	10479	95	0	0	34	0	26	5
Dire Dawa	987	5	10161	54	31	0	78	1	6	0
Addis Ababa	4479	0	3276	5	111	2	9469	2	999	3
National	62760	164	1032511	2616	2188	15	39495	98	6996	74

D: Death

C. Annual report by region compiled from quarterly reportable diseases

Region	AIDS		G.Worm		TBC		Leprosy		STDs	
	Case	D	Case	D	Case	D	Case	D	Case	D
Tigray	520	13	0	0	2721	39	85	0	5385	0
Afar	465	19	0	0	985	4	45	0	901	0
Amhara	868	41	0	0	2864	125	16	0	3352	0
Oromiya	4454	46	0	0	31958	990	1640	0	7997	0
Somali	27	0	0	0	1703	6	10	0	891	0
Benishangul	77	17	0	0	111	4	18	0	497	0
SNNPR	494	1	0	0	1726	8	45	0	1087	0
Gambella	0	0	3	0	86	7	27	0	155	0
Hareri	431	24	0	0	552	32	21	0	263	0
Dire Dawa	452	37	0	0	1990	87	7	0	377	0
Addis Ababa	5407	80	0	0	8064	120	213	0	6587	0
National	13195	278	3	0	52760	1422	2127	0	27492	0

10.9 ESTIMATED HIV PREVALENCE FROM HEALTH FACILITY DATA & NSS, 2003

Region	Health Facility Data				Estimation				
	Suspected and tested cases		Positive Cases		HIV-Prevalence (%)			HIV-Positive Adult (15+ yrs)	
	Female	BS	Female	BS	Rural	Urban	Total	Female	BS
Tigray	893	2104	594	1304	2.6	12.5	4.4	45,983	81,240
Afar	NA	NA	NA	NA	1	16.7	2.5	7,934	15,249
Amhara	699	1474	444	924	4.9	15.6	6.1	275,956	492,148
Oromiya	3322	7194	1513	2944	1.7	10.3	2.9	171,578	305,852
Somali	50	88	22	28	0.9	10.3	2.5	24,519	46,704
Benishangul	79	202	24	45	2	12.0	3	4,650	8,328
SNNPR	637	1416	250	527	2.1	9.2	2.8	95,831	170,852
Gambella	17	43	16	34	1.4	14.8	3.9	2,443	4,460
Harari	102	189	0	0	1.1	11.3	8.1	3,733	6,717
Addis Ababa	NA	NA	NA	NA	NA	14.6	14.6	132,734	231,862
Dire Dawa	262	466	178	312	1.2	10.9	8.7	8,579	15,305
National	6,061	13,176	3,041	7,614	2.6	12.6	4.4	773,940	1,378,717

11. OUTPUT FROM HEALTH PROFESSIONAL TRAINING SCHOOLS

11.1 SUMMARY OF GRADUATES BY CATEGORY

Professions	1992		1993		1994		1995		1996	
	BS	F	BS	F	BS	F	BS	F	BS	F
Physician	210	12	189	14	243	26	285	29	289	31
Health Officer	157	27	181	27	183	26	181	36	249	41
Pharmacist	31	0	54	10	13	7	50	2	57	11
Nurse B.Sc.	25	4	31	13	28	9	33	13	62	22
Senior Clinical Nurse	364	111	711	234	491	197	849	348	1288	514
Junior Clinical Nurse	512	180	882	344	669	326	255	162	444	210
Senior Public Health Nurse	209	67	155	44	124	73	173	85	288	151
Junior Public Health Nurse	131	38	106	18	70	29	46	20	140	42
Senior Mid Wife Nurse	36	23	87	43	40	13	41	16	144	87
Junior Midwife Nurse	122	72	192	103	140	117	68	60	30	12
Senior Pharmacy Technician	67	14	101	13	99	21	266	44	248	31
Junior Pharmacy Technician	62	18	105	23	68	17	89	18	0	0
Laboratory Technologist	21	0	15	2	23	3	25	1	30	1
Senior Laboratory Technician	211	27	249	16	223	20	328	25	331	62
Junior Laboratory Technician	79	41	199	57	69	13	41	14	27	11
Environmental Health Technologist	20	0	21	0	26	1	28	0	21	0
Senior Environmental Health Technician	161	24	145	14	135	32	198	13	225	46
Junior Environmental Health Technician	9	24	145	14	0	0	0	0	34	4
Senior Radiography Technician	0	0	19	2	0	0	29	4	26	0
Total	2427	682	3587	991	2644	930	2985	890	3933	1276

11.2 DISTRIBUTION OF HEALTH TRAINING SCHOOLS

(Type & Number of graduates)

A. Graduates of Health Professionals from Public Higher Education

No	Training School		Award	Graduates					
	Name	Type		1994		1995		1996	
				BS	F	BS	F	BS	F
1	Addis Ababa University	Medicine	MD	50	4	62	10	72	10
		Pharmacist	B.Pharm.	13	7	50	2	57	11
		Ansth. Nurse	B.Sc.	4				20	11
		Clinical Nurse	Diploma	86	49	94	46	161	81
		Mid wife Nurse	Diploma	16	4	33	19	36	26
		Lab.technician	Diploma	44	6	70	2	52	26
		Radiographer Technician	Diploma			29	4	26	0
		Pharmacy Technician	Diploma			70	17	39	15
2	Gonder University	Medicine	MD	49	4	59	7	65	9
		Health officer	B.Sc.	46	7	47	9	52	13
		Clinical Nurse	Diploma	68	38	50	24	55	27
		Public Health Nurse	Diploma	25	21	40	12	42	20
		Midwife Nurse	Diploma			31	12	30	22
		Lab.technician	Diploma	48	5	96	9	106	26
		Environmental Health	Diploma	38	4	49	3	52	5
		Pharmacy Tech.	Diploma	42	6	98	17	118	13
		Ansth. Nurse	B.Sc.					10	1
3	Jimma University	Medicine	MD	53	10	61	6	56	2
		Health officer	B.Sc.	47	4	51	8	47	6
		Post Basic Nursing	B.Sc.	28	9	33	13	32	10
		Post Basic Env. Health	B.Sc.	26	1	28	0	21	0
		Post Basic Lab-Techn.	B.Sc.	23	3	25	1	30	1
		Clinical Nurse	Diploma	20	9	27	17	57	38
		Public Health Nurse	Diploma	16	10	38	22	122	55
		Pharmacy Tech.	Diploma	37	9	79	8	91	3
		Lab-technician	Diploma	46	3	40	4	56	6
		Environmental Health	Diploma	35	11	50	5	64	12
4	Alemaya University	Health officer	B.Sc.	47	12	40	13	43	11
		Public Health Nurse	Diploma	40	22	54	34	63	34
		Lab-technician	Diploma	42	3	56	2	58	2
		Environmental Health	Diploma	25	6	45	1	52	13
5	Debub University	Health officer	B.Sc.	43	3	43	6	61	9
		Clinical Nurse	Diploma	47	11	49	9	153	13
		Public Health Nurse	Diploma	43	20	41	17	61	42
		Lab.technician	Diploma	43	3	40	4	59	2
		Environmental Health	Diploma	37	11	54	4	57	16
6	Defence Health College	Health officer	B.Sc.					46	2
		Clinical Nurse	Diploma					152	54
Total				1227	315	1732	367	2374	647

B. Graduates of Health Professionals from Public Senior Training Schools

No	Training School		Award	Graduates					
	Name	Type		1994		1995		1996	
				BS	F	BS	F	BS	F
1	Nekemte	Clinical nurse	Diploma	70	20	65	13	163	108
2	Mekele	Clinical nurse	Diploma	38	14	85	54	14	3
		Pharmacy tech.	Diploma	20	6	19	2	NA	NA
		Ophthalmic nurse	Diploma			10	4	NA	NA
3	Assela	Clinical nurse	Diploma	74	23	81	28	92	30
4	Harar	Clinical nurse	Diploma	58	26	71	29	117	42
		Mid-wife nurse	Diploma	13	6	14	11	57	28
5	Yirgalem	Clinical nurse	Diploma	30	7	32	8	37	8
6	Awassa	Mid-wife nurse	Diploma	27	7	27	5	21	11
		Clinical nurse	Diploma			80	14	NA	NA
		Lab. technician	Diploma			26	4	NA	NA
7	Menilik II	Clinical nurse	Diploma			49	24	0	0
8	Debreabor	Clinical nurse	Diploma			112	28	62	10
9	Dessie	Clinical nurse	Diploma					88	12
Total				330	109	671	224	651	252

C. Graduates of Health Professionals from Public Junior Training Schools

No	Training School		Award	Graduates					
	Name	Type		1994		1995		1996	
				BS	F	BS	F	BS	F
1	Arbaminch	Clinical nurse	Certificate	35	8	0	0	0	0
		Public Health Nurse	Certificate	22	8	31	18	113	38
2	Hosanna	Clinical nurse	Certificate	54	27	12	5	137	60
		Mid-wife Nurse	Certificate	48	26	18	18	NA	NA
3	Shashemene	Clinical nurse	Certificate	31	21	35	15	31	16
		Public Health Nurse	Certificate	14	5	15	6	NA	NA
		Mid-wife Nurse	Certificate	20	19	32	23	NA	NA
		Pharmacy Tech.	Certificate	29	11	10	4	NA	NA
4	Mettu	Lab. Technician	Certificate	17	4	63	46	NA	NA
		Clinical nurse	Certificate	30	12	24	11	32	23
		Public Health Nurse	Certificate	8	5	28	28	NA	NA
		Clinical nurse	Certificate	62	39	63	46	70	49
5	Goba	Public Health Nurse	Certificate	20	7	24	11	NA	NA
		Mid-wife Nurse	Certificate	33	33	28	28	NA	NA
		Clinical nurse	Certificate	49	17	53	30	46	24
7	Dessie	Clinical nurse	Certificate	108	21			30	3
		Pharmacy tech.	Certificate	21	5	30	0	NA	NA
8	Gambella	Clinical nurse	Certificate	14	4	NA	NA	NA	NA
		Public health nurse	Certificate	6	4	NA	NA	NA	NA

Cont....

No	Training School		Award	Graduates					
	Name	Type		1994		1995		1996	
				BS	F	BS	F	BS	F
8	Axum	Clinical nurse	Certificate	163	150	0	0	52	26
		Public Health Nurse	Certificat					27	4
		Mid-wife Nurse	Certificate	32	32			30	12
		Lab. tech.	Certificat					27	11
		Environmental health	Certificat					34	4
9	Bahir Dar	Clinical nurse	Certificate	75	18	30	8	0	0
		Pharmacy tech.	Certificate	18	1	24	3	0	0
		Lab. technician	Certificate	21	1	26	8	0	0
10	Jijiga	Clinical nurse	Certificate	48	9	NA	NA	NA	NA
		Midwife nurse	Certificate	7	7	NA	NA	NA	NA
		Lab. technician	Certificate	10	1	NA	NA	NA	NA
11	Debreberhan	Clinical nurse	Certificate	26	5	46	37	46	9
12	Pawie	Clinical nurse	Certificate			34	11	NA	NA
		Public health nurse	Certificate			25	4	NA	NA
		Midwife nurse	Certificate			22	14	0	0
Total				1021	500	558	289	675	279

D. Graduates of Health Professionals from Private Training Schools

No.	Training School		Award	1994		1995		1996	
	Name	Type		BS	F	BS	F	BS	F
1	Selam Nurses College	Clinical Nurse	Diploma			54	45	30	30
2	Salihom Nurses School	Clinical Nurse	Diploma					30	18
3	Aira	Clinical nurse	Diploma					32	11
4	St Luke Nurses College	Clinical nurse	Diploma					23	15
Total						54	54	115	63

11.3 POST BASIC AND POST GRADUATES

Training Programme	Training Type	Training Institution	Number of Graduates					
			1994		1995		1996	
			BS	F	BS	F	BS	F
<i>Post Graduate Studies</i>	Anesthesiology	<i>Addis Ababa University</i>	1	0	1	0		
	Public Health		30	5	19	2	28	3
	Internal Medicine		10	0	10	0	13	1
	Obstetrics & Gyn.		8	0	8	0	11	1
	Ophthalmology		4	0	6	0	5	2
	Orthopedics		2	0	3	0	1	0
	Pathology		4	0	1	0	1	0
	Pediatrics & Child Health		10	2	10	0	11	1
	Surgery		13	0	12	0	12	0
	Radiology		5	1	32	4	7	2
	Pharmaceutics		4	0	1	0	7	0
Total		91	8	103	6	96	10	
<i>Post Basic Diploma</i>	Psychiatry Nurse	Amanuel Hosp	27	18	22	13	22	14
	Ophthalmic Nurse	ALERT Hosp.	20	18	0	0	0	0
	Total		47	36	22	13	22	14

GLOSSARY

Age Dependency Ratio

The ratio of persons in the “dependent” ages (under 15 and older than 64 years) to those in the “economically productive” ages (15-64 years) in a population.

Antenatal Coverage

A coverage to a health institution made by a pregnant woman to be sure that she has a safe pregnancy.

Average Household Size

The mean number of members per household

Child Mortality

The probability of dying between exact age one and the fifth birth day per 1000 children surviving to the first birth day.

Child Woman Ratio

The number of children under age five per 1,000 women of childbearing age in a given year. This measure is used as a rough fertility indicator, especially when detailed data on births are lacking.

Contraceptive Prevalence Rate

The proportion of eligible women (15-49 years old) who got contraceptive service.

Crude Birth Rate

The number of births in a population during a specified period divided by the number of person-years-lived by the population during the same period. It is frequently expressed as births per 1,000 population.

Crude Death Rate

The number of deaths in a population during a specified period divided by the number of person-years-lived by the population during the same period. It is frequently expressed as births per 1,000 population.

Delivery Attended

The service given for a pregnant woman during labor; management of normal delivery and detection of complications, management of risk cases in labor and complicated cases.

Demography

The study of population and its characteristics, with reference to such factors as size, age structure, density, fertility, mortality, growth and social and economic variables.

Discharged Patient

The number of patients who are discharged from the health institution (whether it is dead or alive) after being diagnosed and/or treated.

Drug Shop

Shall mean an establishment which offers for sale to the public. Such medical preparations, cosmetics nursing and sanitary articles, dietetic products and other articles as approved for the purpose by the Ministry but does not engage in the compounding preparation or manufacture of any medical preparation.

Enrolment Ratio

The number of students attending a given school, divided by the total number of persons of the age normally in school at that level.

Fully Immunized

A child of age under one who has taken all types of antigens completely.

General Fertility Rate

The number of births occurring in a given year per 1000 women in the reproductive ages (i.e. women aged 15-49).

Health Center

Establishment which provides both preventive and curative out-patient care. Health Centre is also responsible for training CHAs & TBAs.

Health Post

One of the satellite facility in the Primary Health Care Unit

Health Stations

The smallest health units in the conventional Health Service structure and are staffed with 1-3 health assistants.

Higher Clinic

Staffed at least by a general medical practitioner, a specialist and assisted by various specialists serve for general outpatient clinics. For emergency

and delivery this clinic has up to 5 beds.

Hospital

An establishment with at least 25 beds that provides general medical care round the clock. It is at least equipped with basic laboratory, X-ray and basic treatment facilities. It is staffed with at least one medical practitioner.

Household

A single person living alone or a group voluntarily living together, having common house keeping arrangements for supplying basic living needs, such as principal meals. The group may consist of related or unrelated persons.

Infant Mortality Rate

The ratio of the number of deaths under one year of age occurring in a given year to the number of births in the same year. Also used in a more rigorous sense to mean the number of deaths that would occur under one year of age in a life table with a radix of 1,000.

Infant Mortality

The probability of dying between birth and age one per 1000 live births in a given year.

In-Patient

A patient who is admitted and occupy bed in a health institution for diagnosis and/or treatment.

Life Expectancy at Birth

The average number of years a newborn infant can expect to live under current mortality levels.

Live Birth

The complete expulsion or extraction from its mother of conception, irrespective of the duration of pregnancy, which after such separation shows any evidence of life.

Lower Clinic

Staffed at least by a health assistant or a nurse and serve for general outpatient clinic.

Maternal Mortality Rate

A measure of a woman's risk of dying from causes associated with pregnancy.

Medium Clinic

Staffed at least by health officer or general medical practitioner & serve for general medical services.

Morbidity

The extent of illness, injury or disability in a population.

Out-Patient

A patient who receive ambulatory care (examination and treatment) with out being admitted or occupying a bed.

Pharmacy

Any store, shop or other place in which medicinal preparation are compounded or prepared and dispensed or sold to the public.

Postnatal Visits

Visits made by a mother to a HCU or visited by a health worker (at home) within the first 45 days after giving birth.

Potential Health Service Coverage

The population covered in percentage based on the existing health centers and health stations in catchment's area.

Rate of National Increase

The difference between the births and deaths occurring during a given period divided by the number person-year lived by the population during the same period. This rate, which specifically excludes changes resulting from migration, is equal to the difference between the crude birth rate and the crude death rate.

Rural Drug Vendor

The lowest level of medicinal retail outlet that dispenses medical preparations as approved for this level by the Ministry, but does not engage in compounding preparation or manufacturing of any medical preparation.

School Enrolment

The number of students who are enrolled and attend various educational institutions.

Sex Ratio

The number of males in a population or specific sub-population, divided by corresponding number of females, conventionally multiplied by 100.

Special Clinic

Provides specific medical interventions such as medical, surgical, obstetric gyn, ophthalmology, etc. and is assisted by specialists in various disciplines.

Total fertility Rate

The average number of children that would be born per woman of all women lived to end of their childbearing years and born children according to a given set of age specific fertility rates.

Under-five Mortality

The probability of dying between birth and age five per 1000 live births in a given year.

Under 5 Children

Under 5 year children visits to health institution for monitoring of growth and development, screening of risk cases, and for management of disease or mal development.

Vital Events

Births, deaths, marriages and divorces.

GNI PPP per Capita

GNI PPP per capita is Gross National Income in purchasing power parity (PPP) divided by midyear population. GNI PPP refers to Gross National Income converted to “international” dollars using a purchasing power parity conversion factor. International dollars indicate the amount of goods & services one could buy in the United States with a given amount of money.