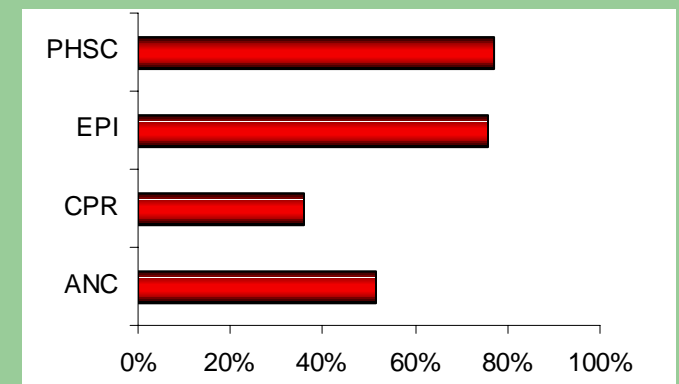




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Federal Democratic Republic of Ethiopia
Ministry of Health

Health & Health Related **INDICATORS**

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Health and Health Related Indicators

1998 E.C (2005/06) G.C.)

*Health information Processing and Documentation
Team*

Explanatory Notes

All years in this 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 items is not applicable
- A number in parenthesis () indicates a negative number
- NA in a table indicates data is not available

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Fax:251-11-5512691

Phone:251-11-5505797

E-mail: moh@ethionet.et

Website:www.moh.gov.et

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IDS	Integrated Disease Surveillance & Response
IUCD	Intra Uterine Contraceptive Device
LB	Live birth
LE	Life Expectancy
MB	Multibacillary
MCH	Maternal and Child Health
MDG	Millennium Development Goal
MDT	Multi Drug Therapy
M. Meningitis	Meningococcal Meningitis
NVP	Nevirapin
NGO	Non Governmental Organization
NER	Net Enrollment Ratio
NNT	NeoNatal Tetanus
NSS	National Sentinel Surveillance
Ob.Gyn	Obstetric &Gynecology
OGO	Other Governmental Organization
OPD	Out-Patient Department
OPV	Oral Polio Vaccine
PB	Paucibacillary
PLWHA	People living with HIV/AIDS
PMTCT	Prevent Mothers to Child Transmission
PF	Plasmodium Falciprum
PFI	Pathfinder International
PHCU	Primary health care unit
PHSC	Potential Health Service Coverage
PHW	Primary Health worker
PM	Plasmodium Malaria
PV	Plasmodium Vivax
R. Fever	Relapsing Fever
RNI	Rate of National Increase
SNNP	Southern Nation & Nationalities Peoples Region
SPM	Strategic Planning & Management
STD	Sexually Transmitted Disease
TB	Tuberculosis
VCT	Voluntary Counseling & Testing

Preface

One of the basic characteristic of the Health Sector Development Program (HSDP) is its effective in the planning, implementation and monitoring of the health sector development 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 “ Central Statistic Agency 1998 E.C abstract Report”

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

1. Regional annual reports
2. Departments of FMOH, Central & specialized Hospitals
3. Demographic Health Survey
4. Socio-Economic &Finance data: MOFED
5. Non-Governmental Organizations

As part f 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:

Planning and Programming Department
P.O. Box 1234
Ministry of health

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Health Information & Documentation Team

ACRONYMS

ADD	Acute Diarrheal Disease
AIDS	Acquired Immunodeficiency Syndrome
AFP	Acute Flaccid Paralysis
ARI	Acute Respiratory Infection
ART	Anti Retroviral Therapy
BCG	Bacilli Calmette Guerin
B. Dysentery	Bacillary Dysentery
BS	Both sex
BMI	Body Mass Index
CEOC	Comprehensive Emergency Obstetric Care
CSA	Central Statistics Agency
CBR	Crude Birth Rate
CDR	Crude Death Rate
CHA	Community Health Attendant
CMR	Child Mortality Rate
CPR	Contraceptive Prevalence Rate
CYP	Couple Year Protection
DOTS	Directly Observed Therapy Short Course
DKT	Dehandra K.T.Yaji
DPT	Diphtheria, Pertusis and Tetanus
ENT	Ear, Nose & Throat
EPI	Expanded Program on Immunization
ETB	Ethiopian Birr
FGAE	Family Guidance Association of Ethiopia
FLHW	Front line Health Workers
FMOH	Federal Ministry of health
GDP	Gross Domestic Product
GER	Gross Enrollment Ratio
GNIPPP	Gross National Income in Purchasing power parity
HC	Health Center
HCU	Health Care unit
HEW	Health Extension worker
HH	Household
HIV	Human Immunodeficiency Virus
HIS	Health Information System
HP	Health Post
HSDP	Health Sector Development plan

INTRODUCTION

The land area of Ethiopia is estimated at about 1.1 million square kilometer and the current population is approximately 75 million, of which more than 84 percent live in rural areas. Ethiopia is a Federal Democratic Republic composed of 9 National Regional states: namely Tigray, Afar, Amhara, Oromia, Somali, Benishangul-Gumuz, Southern Nations Nationalities and People Region (SNNPR), Gambella And Harari and two Administrative states (Addis Ababa City administration and Dire Dawa city council).

The national regional states as well as the two cities administrative councils are further divided into six hundred eleven woredas and around 15,000 kebeles (5,000 Urban & 10,000 Rural)

Ethiopia experiences a heavy burden of disease with a growing prevalence of communicable infections. Many Ethiopians face high disease morbidity and mortality largely attributable to potentially preventable infectious diseases and nutritional deficiencies. In response to such prevailing and newly emerging health problems the Ethiopian Government has developed a 20 year rolling Health Sector Development Program which proposes long-term goals for the sector, and the means to attain them by way of a series of phases.

Currently, HSDPIII covering the period of EFY 1998 (2005/06 G.C) to EFY 2002 (2009/10 G.C) is now in its first year implementation. HSDPIII, which is designed in align with the wider policy frameworks such as PASDEP and MDGs. The phases of all HSDP have clear strategies for making targeted interventions against poverty related diseases which are in the main HIV/AIDS, Malaria and Tuberculosis. Other focus areas of interventions are Child Survival, Reproductive Health and Maternal Health Care. The main priority area for the 1998EFY has been on the training and deployment of HEWs, to this end, It was planned to train 7500 Health Extension

Workers (HEWs) each year for the period EFY 1998 – 2000. HEWs are being trained in 37 Technical and Vocational Education and Training (TVET) schools.

A national HMIS and M&E reform is under way in order to ensure standardization of procedures in data collection, analysis and reporting, to support

Decision-making at all levels and to provide a reliable resource and platform for evidence-based planning, implementation and monitoring. Following the government's decision to use the Business Process Reengineering (BPR) as the methodology to improve the design, implementation and management of services, the FMOH has identified the HMIS as one of its core processes for system design through the application of BPR principles.

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 par-

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.

1. SUMMARY OF HEALTH INDICATORS,1998

Indicators	1994	1995	1996	1997	1998
Total population	65,344,000	67,220,000	69,127,021	73,043,510	75,067,000
PHS coverage (%)	61.1	61.3	64.0	72.1	76.9
PHS* coverage (%)	68	70.7	70.2	82.9	92.0
EPI coverage(%)	51.5	50.4	60.8	70.1	75.6
Health service utilization	0.27	0.29	0.36	0.3	0.33
Contraceptive acceptance rate	14	21.5	23.0	25.2	35.8
Antenatal coverage	34.1	27.4	40.8	42.1	50.4
No of facilities					
Hospital	115	119	126	131	138
Health center	412	451	519	600	635
Health stations	2452	2396	1797	1662	1206
Private clinic not for profit	434	383	359	379	480
Private clinic for profit	1235	1229	1299	1578	1784
Health posts	1311	1432	2899	4211	5955
Pharmacies	311	302	275	276	246
Drug shop	309	299	375	381	476
Rural drug venders	1856	1888	1783	1787	1754
Human resource in service					
Physicians	1888	2032	1996	2453	2115
Health officers	484	631	683	776	715
Nurses	12838	14160	15544	18809	17845
Health assistant	8149	6856	6628	6363	4800
Para medical	3824	4641	5215	6259	5431
Health extension workers				2737	8901
Human resource graduates					
Specialists	91	103	96	183	57
General Practitioners	152	182	193	309	188
Health officer	183	181	249	333	247
Nurses	1562	1465	2384	4536	1618
Para medicals	656	1054	999	803	791
Health extension workers			2737	7090	7136

*PHS coverage includes service provided by private health facilities

2. BASIC HEALTH SECTOR DEVELOPMENT PLAN AND ACHIEVEMENT, 1998

Indicators	HSDPIII Target	Beginning of HSDPIII
Primary health service coverage	100%	76.9%
Number of HEW's deployed and in place	30,000	8,901
Contraceptive acceptance rate	>=60	35.8%
Antenatal coverage	80%	50.4%
Proportion of deliverers attended by skilled health personnel's	32%	15.1%
Postnatal coverage	31%	15.5%
Immunization coverage under 1		
DPT3	80%	75.6%
Measles,	75%	65.6 %
Fully immunized children	85%	54.0%
TT2 coverage for pregnant women	75%	51.8 %
TT2 coverage for non pregnant women	67%	21.6%
HIV incidence	0.66%	0.26%
HIV Prevalence	Main-tain 3.5%	3.5
Proportion of hospitals, HC, and clinics Providing VCT service	100%	50.7%
Proportion of hospitals, HC, and clinics Providing PMTCT service	100%	19.1%
Number of PLWHA receiving ART	263,000	45,595
OPD visit per capita	0.5	0.33
Health staff to population ratio		
Doctors to population	1:14,662	1:35,493
Nurse to population		1:4,207
Health extension worker to population	1:2,500	1:8,434
Health facility coverage DOTS/MDT	72%	41.4 %

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.

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).

Gross Enrollment Ratio

The total enrolment in a given level of school regardless of age per 100 children of that schools age.

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.

3. DEMOGRAPHIC AND VITAL STTISTICS 3.1 SOME DEMOGRAPHIC INDICATORS,1998

Region	Total population	Sex ratio	Urban%	Under one%	Surviving infants	Under five	Female 15-49	Dependency ratio	Average HH size
Tigray	4,335,000	97.1	18.8	3.73	3.48	16.7	23.5	95.1	4.3
Afar	1,389,000	125.1	9.1	3.73	3.50	14.1	22.4	97.7	5.7
Amhara	19,120,000	99.9	11.5	3.73	3.38	16.4	23.4	92.3	4.5
Oromia	26,553,000	99.6	13.3	3.73	3.45	17.2	23.3	100	4.8
Somali	4,329,000	116	16.9	3.73	3.52	15.3	23.1	110.2	6.6
Ben-Gumz	625,000	101.6	9.9	3.73	3.42	16.2	24.3	34.9	4.5
SNNPR	14,902,000	98.9	8.6	3.73	3.41	17.4	23.8	96.6	4.7
Gambella	247,000	104.1	19	3.73	3.39	14.9	26.8	75.9	4.5
Harari	196,000	104.2	62.2	3.75	3.33	14.9	26.5	69.7	4.3
Addis Ababa	2,973,000	92.4	100	3.75	3.41	10.4	34.4	52.3	5.1
Dire Dawa	398,000	100	74.4	3.75	3.32	15.6	27.3	67.8	4.7
National	75,067,000	100.4	16.2	3.72	3.43	16.5	23.9	84.3	4.8

3.2 VITAL STATISTICS, 1998

Regions	Total population	CBR per 1000	RNI	TFR	IMR per 1000	CMR per 1000	Under 5 MR per 1000	Male LE	Female LE
Tigray	4,335,000	37.3	2.7	5.1	67	42	106	52	54.9
Afar	1,389,000	37.3	2.2	4.9	61	66	123	56.9	50.8
Amhara	19,120,000	37.3	2.7	5.1	94	66	154	53.4	56.0
Oromia	26,553,000	37.3	2.9	6.2	76	51	122	53	55.5
Somali	4,329,000	37.3	2.6	6.0	57	39	93	58.7	55.4
Ben-Gumz	625,000	37.3	2.5	5.2	84	80	157	50.1	51.1
SNNPR	14,902,000	37.3	2.9	5.6	85	63	142	51.4	53.5
Gambella	247,000	37.3	2.6	4.0	92	70	156	57.6	58.3
Harari	196,000	35.7	2.4	3.8	66	40	103	55.6	54.7
Addis Ababa	2,973,000	35.7	1.5	1.4	45	28	72	60.3	64.1
Dire Dawa	398,000	35.7	2.5	3.6	71	70	136	54.1	55.8
National	75,067,000	37.2	2.7	5.4	77	50	123	53.4	55.4

*Maternal mortality ratio is 673 per 100,000 live births there is no desegregation by region

Source: CSA, Demographic and Health Survey, 2005

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.

**E. GRADUATE OF HEALTH EXTENSION WORKERS AND
NO OF SCHOOLS BY REGION.**

Regions	1996	1997	1998	Total	School opened			
					1996	1997	1998	Total
Tigray	400	800	840	2040	2			2
Afar	0	0	0	0			1	
Amhara	718	3,500	3,500	7,718	2	5		7
Oromia	740	1,296	1,296	3,332	5	3	10	18
Somali	0	0	0	0			1	
Ben-Gumuz	30	0	0	30	1	2		3
SNNPR	750	1,494	1,500	3,744	2		3	5
Gambella	0	0	0	0			1	
Harari	49	0	0	49	1			1
Addis Ababa	0	0	0	0	1			1
Dire Dawa	30	0	0	30				
National	2,717	7,090	7,136	16,943	14	10	16	37

11.3 POST BASIC AND POST GRDUATES, 1998

Training Program	Training Type	Training institution	1995		1996		1997		1998	
			BS	F	BS	F	BS	F	BS	F
Post Graduate Studies	Anesthesiology	Addis Ababa University	1	0					4	0
	Public Health		19	2	28	3	7	3	9	0
	Internal Medicine		10	0	13	1	134	7	3	0
	Obstetrics & Gyn.		8	0	11	1	14	1	7	0
	Ophthalmology		6	0	5	2	4	2	3	1
	Orthopedics		3	0	1	0			4	2
	Pathology		1	0	1	0			2	0
	Pediatrics		10	0	11	1	2	10	10	2
	Surgery		12	0	12	0	16	1	10	0
	Radiology		32	4	7	2	6	2	5	1
	Pharmacology									0
Total			102	6	89	10	183	26	57	6
Post Basic Graduates	Psychiatry Nurse	Amanueal	22	13	22	14	14	7	30	8
	Dental Therapy	Defense							17	8
	Environmental Health	Axum					11	1	18	5
	Clinical Nurses					48	12			
	Public health nurse					26	7			
Total			22	13	22	14	99	27	65	21

4. SOCIO ECONOMIC DATA, 1998

Million ETB

ECONOMIC INDICATORS	1989 1996/97	1990 1997/98	1991 1998/99	1992 1990/00	1993 2000/01	1994 2001/02	1995 2002/03	1996 2003/04	1997 2004/05	1998 2005/06
Consumption expenditure	52,599.3	49,400.9	55,691.3	61,497.5	62,236.6	62,578.5	69,821	76,032.7	85,247.3	90,956.3
Government	4,598.3	5,432.1	9,160.8	11,921.9	9,963.8	10,393.4	13,125	12,013.1	13,545.3	147,23.2
Private	48,001	43,968.7	46,530.5	49,572.6	52,275.8	52,185.1	56,696	64,019.6	71,702	76,233.1
Gross domestic saving	6,500.8	81791	5,863.5	8,721.5	10,504.2	6,735.4	7,413.5	16,776.5	18,906.2	19,341
Gross Capital formation	10,726.2	11,195.4	11,999.6	13,096.3	13786.2	14,763.6	15,502	17,827.1	20,322.9	23,168.1
GDP at current market	56,249.7	53,992.9	58,063.6	64,844.5	66,519.1	62,908.9	68,181	83,824.8	95,905.5	112,558.1
GDP at constant factor cost	60,261.4	57,600	61,516.4	64,844.5	69,961.9	69,958.5	67,917	75,682.5	82,365.8	8,762,294.7
Growth rate	5.1	(1.4)	6.0	5.3	7.7	1.2	(3.8)	11.4	8.8	8.7
Health at constant factor cost	423.5	459.6	538.8	571.9	639.1	728.6	734.5	793.2	856.7	925
Growth rate%	4.0	9.9	6.7	(0.6)	8.0	7.1	9.0	(0.1)	8.0	8.2

source: Ministry of Finance & Economic Development

5. MATERNAL AND CHILD HEALTH SERVICE

5.1 IMMUNIZATION COVERAGE BY NTIGEN, 1998

Regions	Total population	Total Births	BCG		Surviving Infants	DPT3		Measles		OPV3		Fully immunized	
			Achieved	Cov		Achieved	Cov	Achieved	Cov	Achieved	Cov	Achieved	Cov
Tigray	4,335,000	161,696	142,807	88.3	150,862	134,034	88.8	126,527	83.9	133,913	88.8	116,593	77.3
Afar	1,389,000	51,810	10,963	21.2	48,649	14,012	28.8	9,231	19.0	14,021	28.8	12,194	25.1
Amahara	19,120,000	713,176	562,004	78.8	646,137	500,746	77.5	413,026	63.9	485,868	75.2	320,228	49.6
Oromia	26,553,000	990,427	794,030	80.2	915,154	688,758	75.3	539,298	58.9	656,928	71.8	453,163	49.5
Somali	4,329,000	161,472	26,515	16.4	152,268	23,537	15.5	24,235	35.7	9,024	5.9	3,835	2.5
Ben-Gumz	625,000	23,313	9,685	41.5	21,354	9,513	44.5	7,613	80.0	7,374	34.5	4,508	21.1
SNNPR	14,902,000	555,845	543,895	97.9	508,598	513,865	101.0	512,987	100.9	492,729	96.9	429,679	84.5
Gambella	247,000	9,213	2,674	29.0	8,365	1,419	17.0	1,577	68.9	1,418	17.0	617	7.4
Harari	196,000	6,997	6,272	89.6	6,535	5,096	78.0	4,596	70.3	5,100	78.0	3,609	55.2
Addis Ababa	2,973,000	106,136	49,348	46.5	101,360	45,995	45.4	41,440	40.9	45,613	45.0	37,023	36.5
Dire Dawa	398,000	14,209	8,948	63.0	13,200	7,959	60.3	6,561	49.7	9,843	74.6	6,487	49.1
National	75,067,000	2,794,294	2,157,141	77.2	2,572,482	1,944,934	75.6	1,687,091	65.6	1,861,831	72.4	1,387,936	54.0

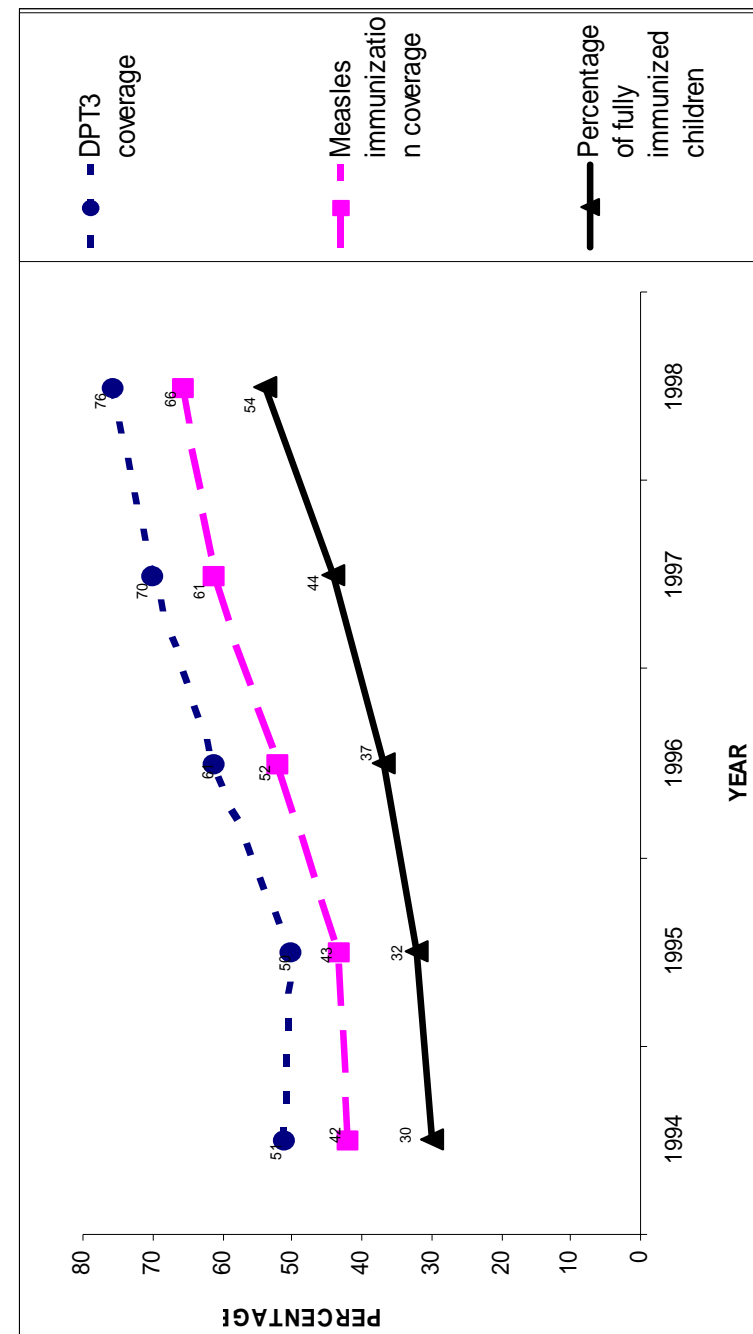
D. GRADUATES OF HEALTH PROFESSIONAL FROM PRIVATE TRAINING SCHOOLS

No.	Training School		Award	1995		1996		1997		1998	
	Name	Type		BS	F	BS	F	BS	F	BS	F
1	Selam Nurses College	Nursing	Diploma	54	54	30	30	55	55		
2	Salihom Nurse School	Clinical Nurse	Diploma			30	18	25	11		
3	KEA-MED medical college	Clinical Nurse	Diploma					241	150		
		Clinical Nurse	Certificate					24	8		
4	Medico Bio-Medical College	Clinical Nurse	Certificate					2	2	2	2
		Clinical Nurse	Diploma					409	219	149	95
		Mid-Lab. Technician	Diploma					15	7	13	3
		Druggist	Diploma					134	81	44	25
5	Alkan Health College	Clinical Nurse	Diploma							21	16
		Druggist	Diploma							15	5
6	Tropical College of Medicine	Clinical Nurse	Diploma					72	57	59	46
		Mid-Lab. Technician	Diploma					21	10	10	5
		Druggist	Diploma					37	15	15	7
7	Universal Medical College	Clinical Nurse	Diploma					156	123	13	11
		Druggist	Diploma					94	19	6	5
8	Central Medical College	Clinical Nurse	Diploma					558	379	3	1
		Druggist	Diploma					75	31		
9	Rift Valley Health College	Clinical Nurse	Diploma					78	42	24	15
		Druggist	Diploma							19	1
10	Sheba college	Clinical Nurse	Diploma					25	11	9	7
		Druggist	Diploma					75	31	15	12
11	Aira	Druggist	Diploma					12	6		
		Clinical Nurse	Diploma			32	11			33	7
11	SOS School of Nursing	Clinical Nurse	Diploma					7	5	1	1
Total				54	54	92	59	2115	1262	478	270

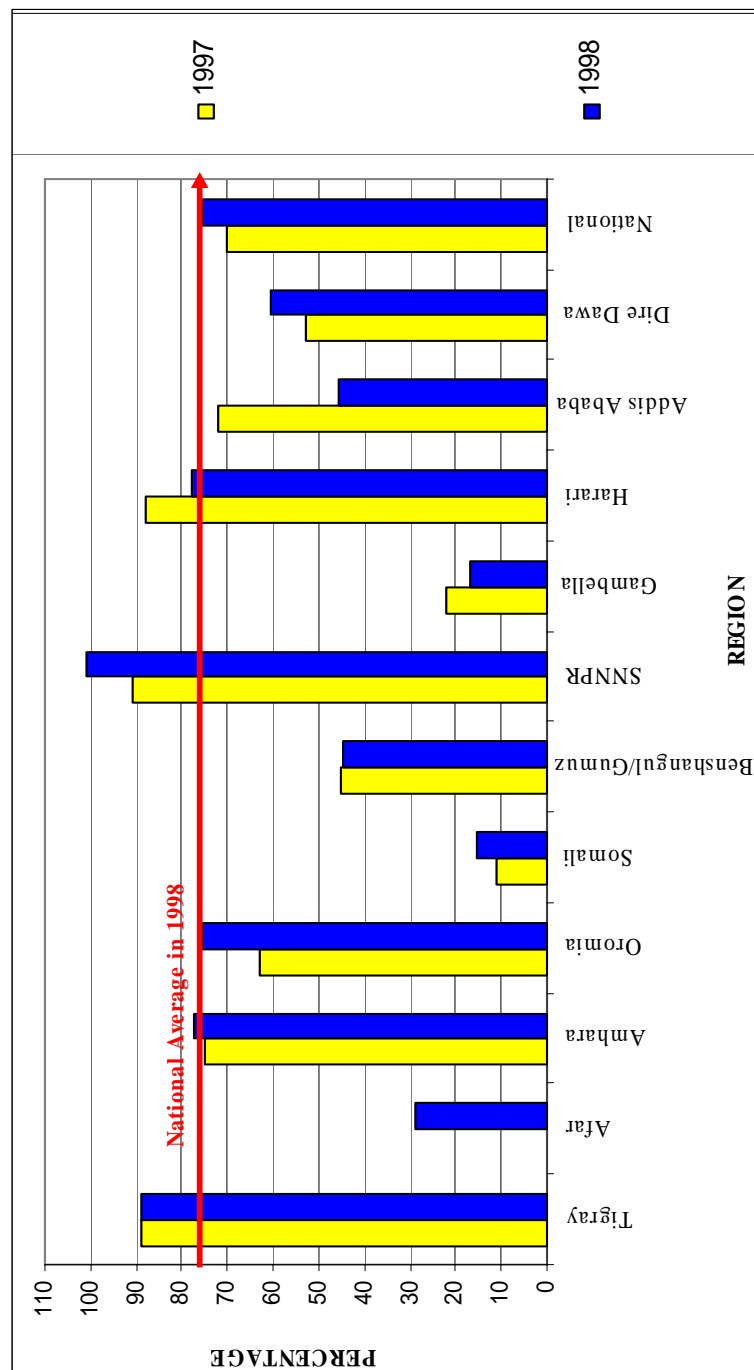
C. GRADUATES OF HEALTH PROFESSIONAL FROM JUNIOR TRAINING SCHOOLS

No.	Training School		Award	1995		1996		1997		1998	
	Name	Type		BS	F	BS	F	BS	F	BS	F
1	Awassa	Public Health Nurse	Certificate					2	1		
		Mid-wife Nurse	Certificate					48	26		
		Laboratory Tech.	Certificate					2	1		
		Ass. druggist	Certificate							2	1
2	Arbaminch	Clinical Nurse	Certificate							1	1
		Public Health Nurse	Certificate	31	8	113	38				
3	Hossana	Clinical Nurse	Certificate	12	5	137	60			23	
		Ass clinical nurse	Certificate	12	5	137	60	2			
		Mid-wife Nurse	Certificate	18	18	NA	NA				
4	Shashemena	Clinical Nurse	Certificate	35	15	31	6	2	1		
		Public Health Nurse	Certificate	15	6	NA	NA				
		Midwife Nurse	Certificate	32	23	NA	NA				
		Pharmacy Tech.	Certificate	10	4	NA	NA			1	0
5	Mettu	Clinical Nurse	Certificate	24	11	32	23				
		Public Health Nurse	Certificate	28	28	NA	NA				
6	Goba	Clinical Nurse	Certificate	63	46	70	49			1	
		Public Health Nurse	Certificate	24	11	NA	NA				
		Mid-wife Nurse	Certificate	28	28	NA	NA	7	2		
7	Debretabor	Clinical Nurse	Certificate							1	
8	Borena	Clinical Nurse	Certificate	53	30	76	27	135	19	3	1
		Ass. Clinical Nurse	Certificate					51	10	3	0
		Ass. Druggist	Certificate					24	5	28	9
9	Desse	Pharmacy Tech.	Certificate	30		NA	NA				
		Clinical Nurse	Certificate			52	26			2	1
		Public Health Nurse	Certificate			27	4				
10	Axum	Mid-wife Nurse	Certificate			30	12				
		Laboratory Tech.	Certificate			27	11				
		Env. Health	Certificate			34	4				
		Clinical Nurse	Certificate	30	8					7	2
11	Bahir Dar	Pharmacy Tech.	Certificate	24	3			4		3	0
		Laboratory Tech.	Certificate	26	8						
		Clinical Nurse	Certificate	NA	NA	NA	NA			1	
12	Jijiga	Mid-wife Nurse	Certificate	NA	NA	NA	NA				
		Laboratory Tech.	Certificate	NA	NA	NA	NA				
		Clinical Nurse	Certificate	NA	NA	NA	NA				
14	Debreberhan	Clinical Nurse	Certificate	46	37	46	9	7	2	5	2
		Public Health Nurse	Certificate	NA	NA	NA	NA			2	1
15	Gambella	Clinical Nurse	Certificate	NA	NA	NA	NA				
		Public Health Nurse	Certificate	NA	NA	NA	NA				
		Clinical Nurse	Certificate	34	11	NA	NA			1	1
16	Pawie	Public Health Nurse	Certificate	25	4	NA	NA				
		Mid-wife Nurse	Certificate	22	14	NA	NA				
		Clinical Nurse	Certificate	22	14	NA	NA				
Total				685	369	812	329	284	67	61	19

FIG. 1 TREND IN DPT3 COVERAGE, MEASES IMMUNIZATION COVERAGE AND PERCENTAGE OF FULLY IMMUNIZED CHILDDREN (ETHIOPIA, 1994-98)



**FIG. 2 COMPARISON OF DPT3 COVERAGE BY REGION
(ETHIOPIA, 1997 AND 1998)**



**B. GRADUATES OF HEALTH PROFESSIONAL FROM SENIOR
TRAINING SCHOOL**

No.	Training School		Award	1995		1996		1997		1998	
	Name	Type		BS	F	BS	F	BS	F	BS	F
1	Nekemte	Clinical Nurse	Diploma	65	13	163	108	45	12		
2	Mekele	Clinical Nurse	Diploma	85	54	14	3	116	53	47	11
		Pharmacy Tech.	Diploma	19	12						
		Laboratory Tech.	Diploma					20	7	29	11
		Druggist	Diploma					51	13	28	10
3	Axum	Clinical Nurse								136	39
		Environmental Health	Diploma					19	4	18	5
4	Assela	Clinical Nurse	Diploma	81	28	92	30	105	38	1	0
5	Harar	Clinical Nurse	Diploma	71	29	117	42	110	48	57	22
		Mid-wife Nurse	Diploma	14	11	57	28	15	13		
6	Hossana	Clinical Nurse	Diploma					5	3	40	9
7	Yirgalem	Clinical Nurse	Diploma	32	8	37	8	1		1	0
8	Awassa	Mid-wife Nurse	Diploma	27	5	21	11	25	14		
		Clinical Nurse	Diploma	80	14			159	48	81	18
		Public Health Nurse	Diploma					13	3	20	3
		Druggist	Diploma					170	51	1	0
9	Menilik II	Clinical Nurse	Diploma	49	24			72	33	84	45
		Environmental Health	Diploma								
10	Debre tabor	Clinical Nurse	Diploma	112	28	62	10	67	9		
12	Dessie	Clinical Nurse	Diploma			88	12	135	19	7	1
13	Debre Berhan	Clinical Nurse	Diploma					25	11		
14	Bahir Dar	Clinical Nurse	Diploma					75	52	7	2
15	Goba	Clinical Nurse	Diploma					1	1		
16	Social Affair	Orthopedic	Diploma					25		1	
Total				671	234	651	252	1287	434	537	173

**11.2 DISTRIBUTION OF HEALTH TRAINING SCHOOLS
(TYPES & NUMBER OF GRADUATES), 1998**

A. GRADUATES OF HEALTH PROFESSIONAL FROM PUBLIC HIGHER EDUCATION

No.	Training School		Award	1995		1996		1997		1998	
	Name	Type		BS	F	BS	F	BS	F	BS	F
1	Addis Ababa University	Medicine	MD	62	10	72	10			64	11
		Pharmacist	B.Pharm.	50	2	57	11	70	12	51	20
		Anesthesiology	B.Sc.							3	0
		Lab. Technologist	B.Sc.					6		32	5
		Anesthesia	B.Sc.					4	1	4	1
		Health Science Prof.	B.Sc.							11	1
		Post Basic Health Officer	B.Sc.							10	1
		Clinical Nurse	Diploma	94	46	161	81	197	126	2	1
		Mid wife Nurse	Diploma	33	19	36	26	41	28		
		Laboratory Tech.	Diploma	70	2	52	26	11	1	94	41
2	Gonder University	Radiographer technician	Diploma	29	4	26	0	27		28	4
		Druggist	Diploma	70	17	39	15	45	10	74	17
		Medicine	MD	59	7	65	9	143	11	51	6
		Post Basic Health Officer	B.Sc.	47	9	52	13	60	16		
		Clinical Nurse	Diploma	50	24	55	27	103	44	105	40
		Public Health Nurse	Diploma	40	12	42	20	43	15		
		Midwife Nurse	Diploma	31	12	30	22				
		Lab. Technician	Diploma	96	9	106	26	97	10	7	2
		Environmental Health	Diploma	49	3	52	5	65	9		
		Pharmacy Tech.	Diploma	98	17	118	13				
3	Jimma University	Anst. Nurse	B.Sc.			10	1				
		Medicine	MD	61	6	56	2	166	10	74	9
		Post Basic Health Officer	B.Sc.	51	8	47	6	53	6	53	14
		Post Basic Nursing	B.Sc.	33	13	32	10	38	11	43	8
		Post Basic Env. Health	B.Sc.	28	0	21	0	24		30	
		Post Basic Lab-Techn.	B.Sc.	25	1	30	1	31	2	71	7
		Clinical Nurse	Diploma	27	17	57	38	151	71	15	4
		Public Health Nurse	Diploma	38	22	122	55	53	26	52	13
		Druggist	Diploma	79	8	91	3	170	7	89	21
		Lab-technician	Diploma	40	4	56	6	58	3		
4	Aromaya University	Environmental Health	Diploma	50	5	64	12				
		Health Officer	B.Sc.	40	13	43	11	44	9	64	16
		Public Health Nurse	Diploma	54	34	63	34	79	37	62	15
		Lab-Technician	Diploma	56	2	58	2	18	2		
		Druggist	Diploma					113	2		
5	Debub University	Environmental Health	Diploma	45	1	52	13	65	13		
		Health Officer	B.Sc.	43	6	61	9	66	9	65	11
		Clinical Nurse	Diploma	49	9	153	13	62	7	60	13
		Public Health Nurse	Diploma	41	17	61	42	62	36	65	12
		Lab-Technician	Diploma	40	4	59	2	62	2		
6	Defense Engineering College	Environmental Health	Diploma	54	4	57	16	62	19		
		Health Officer	B.Sc.			46	2	48	45	55	9
		Public Health Nurse	B.Sc.							55	9
		Radiographer	Diploma					6	1	23	1
		Environmental Health	Diploma					32		58	9
		Clinical Nurse	Diploma			152	54	215	65	17	5
		Lab. Technician	Diploma					2		36	2
		Druggist	Diploma							40	0
		Assistant Clinical Nurse	Certificate					876	88	369	134
	Total			1,732	367	2,354	636	3,468	754	1,988	478

5.2 TT2+ ACHIEVEMENT & COVERAGE BY REGION, 1998

Regions	Pregnant woman			Non pregnant woman		
	Target population	Achieved	%	Target population	Achieved	%
Tigray	161,696	116,593	72.1	857,029	169,001	20.4
Afar	51,810	41,159	79.4	259,326	49,566	18.8
Amhara	713,176	354,360	49.7	3,760,904	1,110,062	29.8
Oromia	990,427	433,232	43.7	5,196,422	832,262	16.4
Somali	161,472	8,667	5.4	838,527	4,772	0.6
Ben-gumz	23,313	4,049	17.4	128,562	12,258	9.7
SNNPR	555,845	438,365	78.9	2,990,831	1,023,436	35.1
Gambella	9,213	1,798	19.5	56,983	1,646	2.9
Harari	6,997	3,398	74.1	44,943	5,797	12.9
Addis Ababa	106,137	41,159	59.2	916,575	49,728	5.2
Dire Dawa	14,209	5,362	57.6	94,445	7,717	8.2
National	2,794,295	1,448,142	51.8	15,144,547	3,266,245	21.6

FIG. 3 TT2+ COVERAGE FOR PREGNANT WOMEN (ETHIOPIA,1994-98)

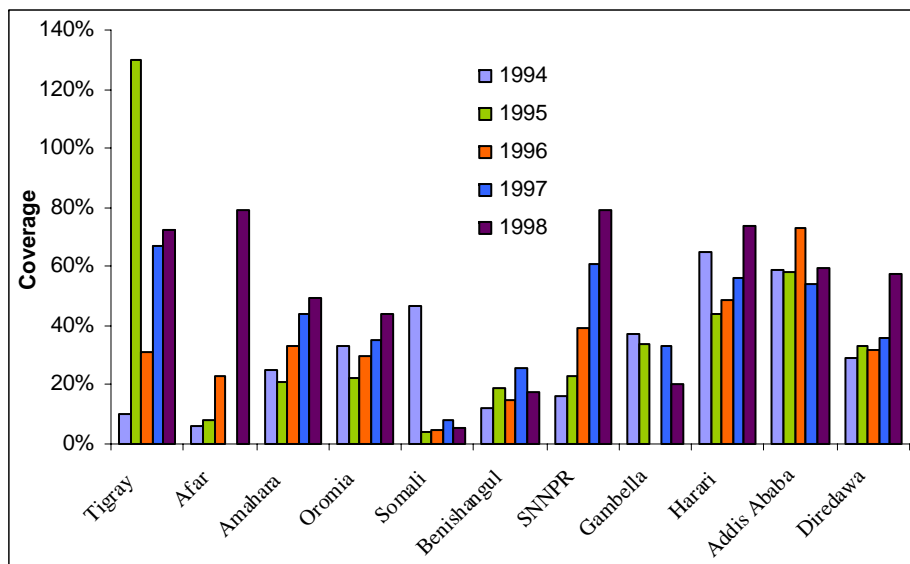
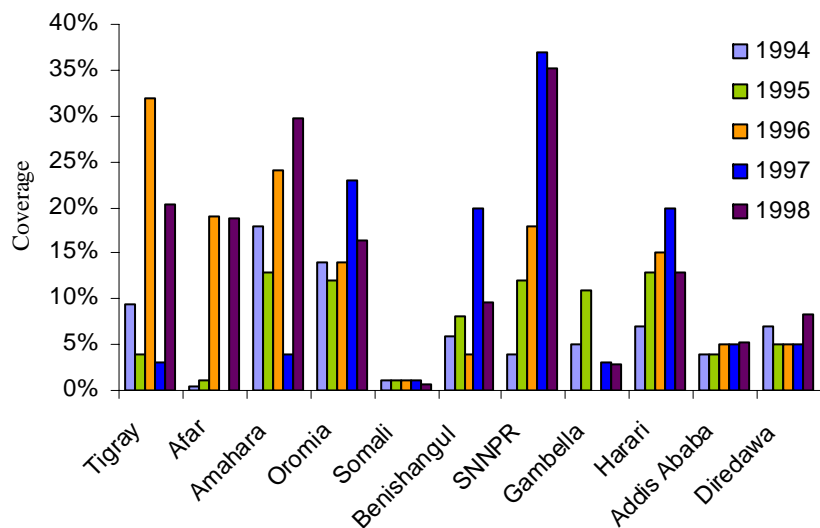


FIG. 4 TT2+ COVERAGE FOR NON PREGNANT WOMEN (ETHIOPIA,1994-98)

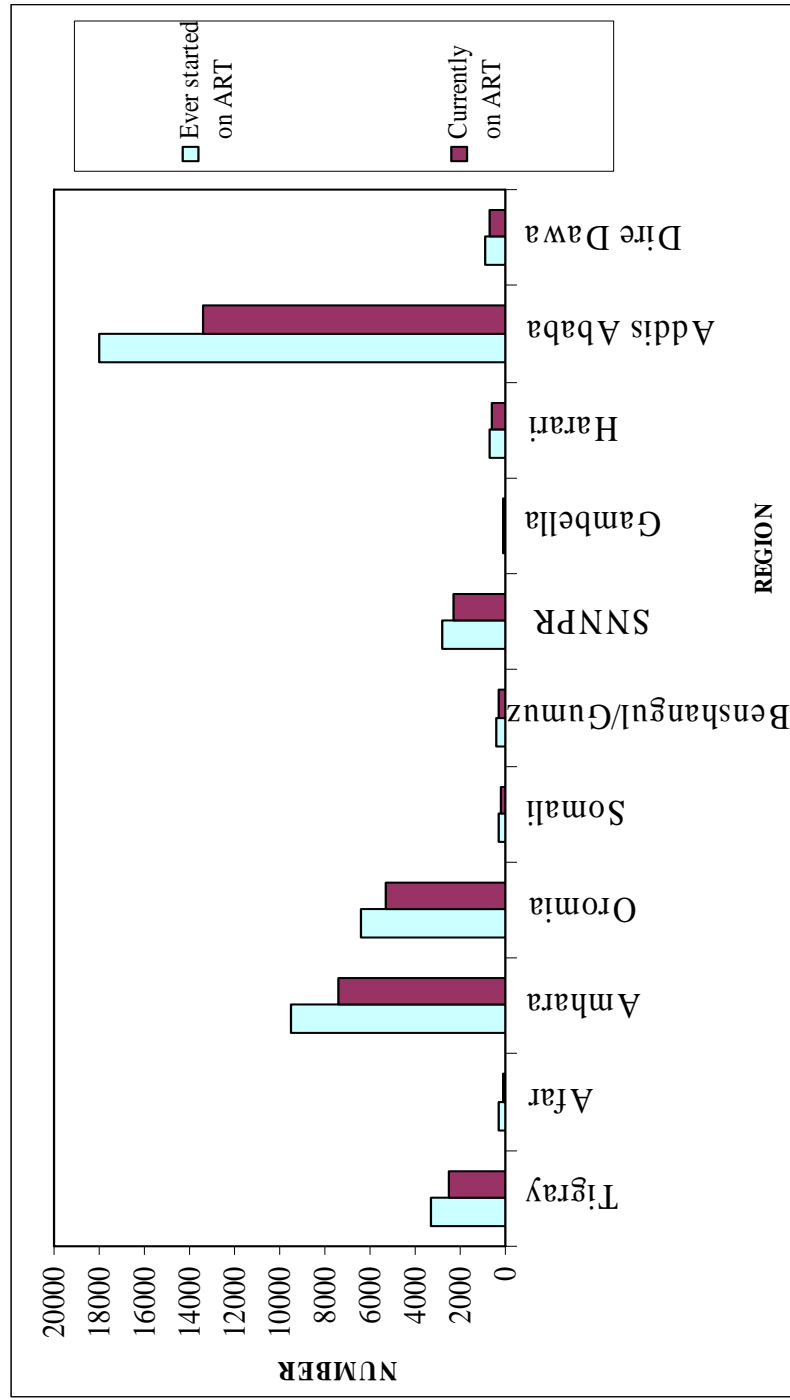


11 OUT PUT FROM PROFESSIONAL TRAINING SCHOOL

11.1 SUMMARY OF GRDUATES BY CATAGORY, 1998

Profession	1995		1996		1997		1998	
	BS	F	BS	F	BS	F	BS	F
Medical Doctor	182	23	289	31	309	21	188	26
Health Officer	181	36	249	41	322	85	247	51
Pharmacist	50	2	57	11	70	12	51	16
Anesthesiologist							4	1
Nurse BSc	33	13	62	22	42	12	43	8
Senior Clinical Nurse	849	348	1288	514	3300	1702	925	409
Junior Clinical Nurse	255	162	444	210	958	111	416	141
Senior Public Health Nurse	173	85	288	151	248	128	234	49
Junior Public Health Nurse	46	20	140	42	2	1	0	0
Senior Midwife Nurse	41	16	144	87	40	27	0	0
Junior Midwife Nurse	68	60	30	12	3	1	0	0
Senior Pharmacy Technician	266	44	248	31	0	0	346	103
Junior Pharmacy Technician	89	18	0	0	0	0	44	10
Laboratory Technologist	25	1	30	1	6	0	32	5
Senior Laboratory Technician	328	25	331	62	337	44	179	40
Junior Laboratory Technician	41	14	27	11	48	26	0	0
Environmental Health Technologist	28	0	21	0	24	0	30	0
Senior Environmental Health Technician	198	13	225	46	243	45	58	9
Junior Environmental health Technician	0	0	34	4	0	0	0	0
Senior Radiography Technician	29	4	26	0	33	0	51	5
Health Extension Worker	0	0	2717	2717	7090	7090	7136	7136
TOTAL	2882	884	6650	3993	13075	9305	9984	8009

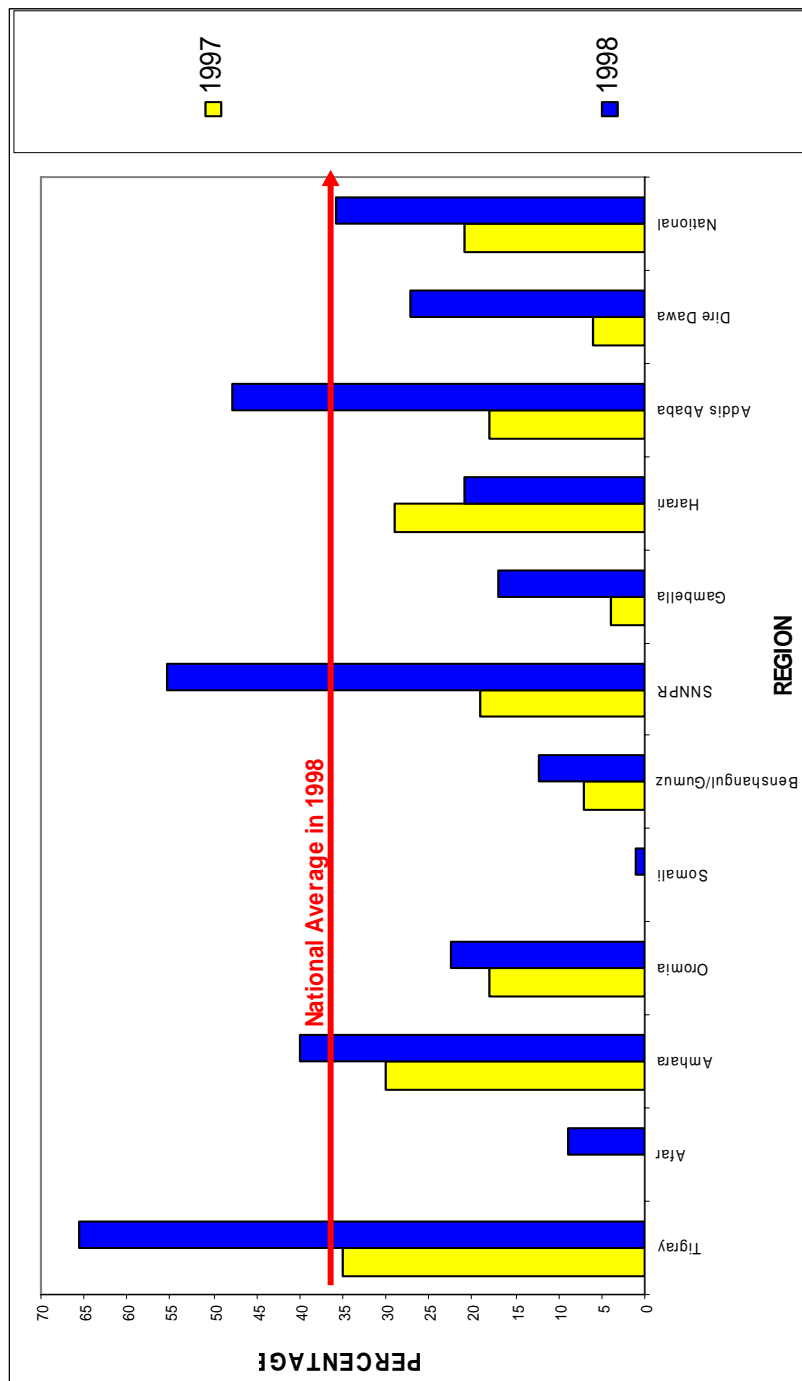
**FIG.12 NUMBER OF PLWHA ON ART BY REGION
(ETHIOPIA,1998)**



5.3 MATERNAL HEALTH SERVICE ACHIEVEMENT & COVERAGE BY REGIONS,1998

Regions	Expected Delivery	Antenatal		Attended delivery		Postnatal service		Cov	Non pregnant women	Family planning	
		Achieved	Cov	Achieved	Cov	Achieved	Cov			Acceptors	Cov.
Tigray	161,696	143731	88.9	16820	10.4	62553	38.7	857,029	560,984	65.5	
Afar	51,810	8366	16.1	4625	8.9	643	1.2	259,326	23029	8.9	
Amhara	713,176	392824	55.1	89779	12.6	115853	16.2	3,760,904	1,501,543	39.9	
Oromia	990,427	379823	38.3	105163	10.6	89897	9.1	5,196,422	1,168,518	22.5	
Somali	161,472	8754	5.4	4037	2.5	3387	2.1	838,527	9,160	1.1	
Ben-Gumuz	23,313	7550	32.4	3050	13.1	508	2.2	128,562	15,738	12.2	
SNNPR	555,845	393780	70.8	163162	29.4	136063	24.5	2,990,831	1,658,114	55.4	
Gambella	9,213	1697	18.4	764	8.3	83	0.9	56,983	9,622	16.9	
Harari	6,997	3981	56.9	3148	45.0	2421	34.6	44,943	9,427	21.0	
Addis Ababa	106,137	62394	58.8	29755	28.0	22131	20.9	916,575	438,607	47.9	
Dire Dawa	14,209	4674	32.9	880	6.2	348	2.4	94,445	25,719	27.2	
National	2,794,295	1,407,574	50.4	421,183	15.1	433,887	15.5	15,146,718	5,420,461	35.8	

**FIG. 5 COMPARISON OF CONTRACEPTIVE ACCEPTORS RATE BY REGION
(ETHIOPIA, 1997 AND 1998)**



10.7.5 NUMBER OF PMTCT CLIENTS, 1998

Regions	Pregnant women tested for HIV	Pregnant women tested +ve	women received NVP	% of received NVP	No. of HIV positive babies received NVP
Tigray	4,493	305	135	44.3	95
Afar	426	37	22	59.5	16
Amhara	9,251	787	373	47.4	207
Oromia	9,440	682	249	36.5	158
Somali	252	42	25	59.5	2
Ben-Gumuz	371	66	33	50	42
SNNPR	7,317	291	119	40.9	69
Gambella	79	19	4	21.1	4
Harari	358	23	7	30.4	5
Addis Ababa	19,541	1,834	1,207	65.8	715
Dire Dawa	900	86	34	39.5	28
National	52,428	4,172	2,208	52.9	1,341

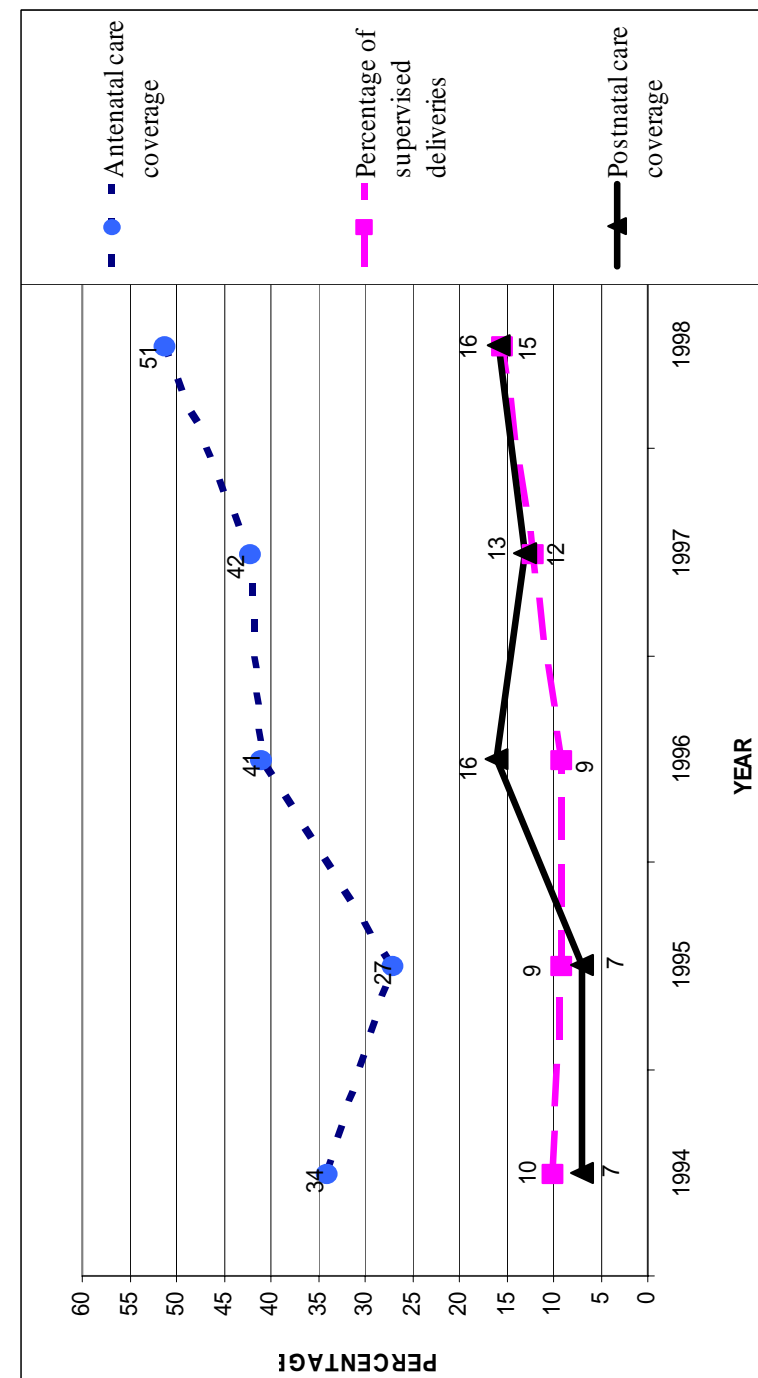
10.7.3 VOLUNTARY COUNSELING AND TESTING CLIENTS

Regions	Tested		HIV +ve		%	
	BS	F	BS	F	BS	F
Tigray	33,048	13,323	4,441	1,822	13.4	13.7
Afar	1,426	716	491	279	34.4	39.0
Amhara	116,983	54,642	18,155	9,591	15.5	17.6
Oromia	95,271	42,096	11,207	6,513	11.8	15.5
Somali	342	197	168	97	49.1	49.2
Ben-Gumz	9,320	4,212	761	427	8.2	10.1
SNNPR	75,562	34,695	6,817	3,770	9.0	10.9
Gambella	939	374	242	106	25.8	28.3
Harari	4,767	2,628	979	606	20.5	23.1
Addis Ababa	215,514	124,878	31,198	19,802	14.5	15.9
DireDawa	11,179	5,735	2,689	1,632	24.1	28.5
National	564,351	283,496	77,148	44,645	13.7	15.7

10.7.4 NUMBER OF HIV/AIDS PATIENTS EVER STARTED ON ART AND ON CHRONIC CARE

Regions	Chronic care	Ever started	Currently on ART
Tigray	6,233	3,286	2,517
Afar	453	256	144
Amhara	13,679	9,495	7,431
Oromia	11,776	6,450	5,314
Somali	434	288	192
Ben-Gumz	648	360	330
SNNPR	5,188	2,829	2,342
Gambella	374	134	140
Harari	1233	717	618
Addis Ababa	28,024	18,012	13,441
Dire Dawa	1387	908	750
Uniformed forces	4,111	2,860	2,221
National	73,540	45,595	35,440

FIG. 6 TREND IN MCH SERVICES COVERAGE:ANC COVERAGE PERCENTAGE OF SUPERVISED DELIVERIES AND PNC COVERAGE (ETHIOPIA,1994-98)



5.4 AMOUNT OF CONTRACEPTIVE DISTRIBUTION BY TYPE OF CONTRACEPTIVE ,1998

5.4.1 DISTRIBUTION OF CONTRACEPTIVE BY FMOH & NGO

Contraceptive by type	Unit	MOH	DKT	Pathfinder International	FGAE	Total	CYP	%CYP
Microgynon	cycle	2,057,421	1,375,006	0	511,508	3,943,935	262,929	6.2
Nordette	cycle	0	0	0	15,100	15,100	107	0.0
LO-FEMENAL	cycle	0	0	3,563,704	125,946	3,689,650	245,977	5.8
Positioner 2.5	cycle	11,134	0	0	3,922	15,056	1,004	0.0
Duofem	cycle	0	2,993,579	0	0	2,993,579	199,572	4.7
EXCLUTON	cycle	0	0	0	1,860	1,860	124	0.0
overtte	cycle	0	0	34,430		34,430	2,295	0.1
Cu-T 380	each	0	0	0	2,382	2,382	159	0.0
Foam Tablet	pcs	0	0	403	0	403	27	0.0
Female Condom	pcs	30,000	0	0	931	30,931	258	0.0
Male Condom	pcs	10,310,544	64,694,102	11,062,500	2,550,359	88,617,505	738,479	17.4
Norplant	implant	590	0	44,674	651	45,915	160,703	3.8
Jadelle	each	4,690	0	2,500	4,132	11,322		
copper T	pcs	0	0	8,228	0	8,228	549	0.0
Depo Provera	vial	162,650	4,275,459	1,801,153	338,374	6,577,636	1,644,409	38.8
Norestrat	vial	0	0		1,146	1,146	191	0.0
Megstron	vial	1,219,300	0		0	1,219,300	304,825	7.2
IUCD	insertion	191,879	0		0	191,879	671,577	15.9
Total							4,233,184	
CYP%		29.4	44.9	22.2	3.6			100

10. 7. 2 PROPORTION OF HEALTH FACILITIES PROVIDING VCT, ART & PMTCT SERVICES

Regions	VCT			ART			PMTCT				
	Total No. of Hospital, HC	No of HF providing VCT	%	No HF supposed to provide (ART)	Hospital	HC	Total	%	No of HF supposed to provide (PMTCT)	No HF providing PMTCT	%
Tigray	128	55	43.0	55	10	12	22	40.0	32	19	59.4
Afar	58	13	22.4	17	1	2	3	17.6	16	3	18.8
Amhara	175	155	88.6	175	17	24	41	23.4	175	39	22.3
Oromia	223	200	89.7	223	28	0	28	12.6	216	37	17.1
Somali	113	5	4.4	20	2	0	2	10.0	20	2	10.0
Ben-Gumz	73	12	16.4	16	2	2	4	25.0	14	4	28.6
SNNPR	179	179	100.0	179	16	34	50	27.9	372	32	8.6
Gambella	9	2	22.2	9	1	2	3	33.3	9	1	11.1
Harari	9	7	77.8	7	2	0	2	28.6	5	4	80.0
Addis Ababa	538	131	24.3	174	22	23	45	25.9	29	29	100.0
Dire Dawa	9	9	100.0	9	1	2	3	33.3	8	1	12.5
National	1514	768	50.7	884	102	101	203	23.0	896	171	19.1

* Includes central hospital

10.7 HIV PREVALENCE

10.7.1 REGIONAL HIV/AIDS ESTIMATES, 1998

Region	Adult Prevalence (%)			PLWHA		New HIV infection		New AIDS Cases		Adult HIV incidence	HIV positive Pregnancies	HIV Positive Birth	Annual AIDS Death
	Urban	Rural	Total	all ages	Children	All ages	Children	All ages	Chil- dren				
Tigray	13.3	19.9	4.2	88,498	7,998	10,617	2,256	7,939	1,473	0.38	7,767	2,256	7,372
Afar	14.1	1.8	3.1	22,287	1,996	2,110	452	2,358	322	0.22	1,549	452	2,316
Amhara	13.5	3.2	4.5	444,560	51,632	39,552	11,175	48,945	8,124	0.30	38,142	11,175	48,251
Oromia	8.4	1.4	2.4	318,382	3,3213	30,979	8,547	31,211	5,774	0.17	29,302	8,547	29,445
Somali	3.8	0.7	1.2	28,560	3,035	2,865	616	2,895	469	0.10	2,312	616	2,890
Ben-Gumz	8.6	2.1	2.8	9,151	739	1,028	228	810	145	0.24	798	228	742
SNNPR	10.2	1.5	2.3	175,877	20,305	18,496	4,745	18,320	3,345	0.18	16,226	4,745	17,866
Gambella	12.8	1.9	4	5,420	380	431	103	521	68	0.21	356	103	483
Harari	7.3	0.6	5.2	5,236	405	490	67	570	55	0.44	276	67	563
Addis Ababa	11.7		11.7	207,270	13,707	20,940	1,920	22,394	1,758	1.40	7,995	1,920	23,045
Dire Dawa	8.5	0.9	6.8	14,554	1,179	1,414	229	1,537	174	0.58	952	229	1,477
National	10.5	1.9	3.5	1,319,795	134,586	128,922	30,338	137,499	21,707	0.26	105,675	30,338	134,450

5.4.2 DISTRIBUTION OF CONTRACEPTIVES BY FMOH TO THE REGIONS, 1998

Regions	Microgynon	Megestron	IUD	Jadelle (each)	Depo-provera	Female condoms	Male condoms	Norplant	Positioner
Tigray	9,717	37,600	4,805	110	0	0	302,400	150	0
Afar	151,200	21,000	800	0	10,000	0	28,800	0	700
Amhara	500,040	319,800	7,943	520	0	13,000	712,800	0	5,482
Oromia	702,534	277,400	13,945	1,200	61,000	0	885,600	205	32
Somali	0	21,000	600	0	650	0	0	0	0
Ben-Gumz	76,680	18,100	615	0	60,000	0	172,800	0	1,940
SNNPR	46,980	223,200	940	250	0	0	100,800	0	0
Gambella	0	30,600	600	0	0	0	0	0	0
Harari	19,440	11,000	600	0	0	0	50,400	0	0
Addis Ababa	517,320	195,300	70	0	0	0	7,473,600	0	2,980
Dire Dawa	22,680	18,200	3000	110	0	0	230,400	20	0
Others	10,830	46,100	157,961	2,500	31,000	26,000	352,944	195	0
Total	2,057,421	1,219,300	191,879	4,690	162,650	39,000	10,310,544	570	11,134

5.5 PERCENTAGE OF CONTRACEPTIVE USERS BY TYPE OF CONTRACEPTIVE METHOD, 1998

Regions	Pills			Depo provera			Norplant			IUD			Condoms			Other		
	1996	1997	1998	1996	1997	1998	1996	1997	1998	1996	1997	1998	1996	1997	1998	1996	1997	1998
	Tigray	53.2	41.6	39.3	26.8	34.1	33.3	0.1	0.1	0.2	0.0	0.0	0.0	22.2	23.6	27.1	0.0	0.04
Afar	23.5	NA	21.3	44.6	NA	36.1	0.0	NA	0.0	NA	0.0	NA	41	NA	42.7	0.0	0	0.0
Amhara	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oromia	45.9	49.3	26.3	44.1	37.3	50.2	0.2	0.4	2.0	0.0	2.8	1.6	1.6	11.5	18.6	0.0	0.57	0.2
Somali	45.2	40.4	37.6	22	29.5	43.6	0.0	NA	0.0	0.0	0.0	14	30.1	18.8	0.0	0	0.0	
Ben-Gumz	NA	31.9	38.8	NA	63	54.3	NA	NA	0.5	0.0	0.0	4.5	5	6.3	0.0	NA	0.0	
SNNPR	NA	43.9	NA	NA	4.3	NA	NA	0.3	NA	0.0	NA	13.3	14	NA	1.1	NA	NA	
Gambella	NA	34.9	17.5	NA	38.4	55.9	NA	NA	0.0	0.0	0.0	15.1	26.8	26.6	0.0	NA	0.0	
Harari	35.1	17.9	20.2	61.9	32	39.7	0.0	0.1	1.0	0.0	0.3	36.4	49.7	38.7	0.0	0	0.0	
Addis Ababa	19.3	10	30.9	72.5	22.2	53.2	0.0	0.1	0.2	0.0	0.4	22.9	2	15.3	0.0	0	0.0	
Dire Dawa	35	47.9	25.1	50	41.6	63	7.4	0.6	0.2	0.0	1.0	13.7	8.7	10.7	0.1	0.94	0.0	
National	27.1	31.6	31.1	21.1	27.5	47.6	0.1	0.2	0.77	0	1.1	16.2	10.5	19.4	0.1	0.2	0.1	

C. ANNUAL INPATIENT CASES REPORT BY REGION COMPILED FROM MONTHLY REPORTABLE DISEASE

Regions	Tig		Afar		Amh		Orom		Som		Gamb		Ben		SNNP		DD		Har		AA		Total		
	Case	D	Case	D	Case	D	Case	D	Case	D	Case	D	Case	D	Case	D	Case	D	Case	D	Case	D	Case	D	
	Onchocerciasis	2	0	0	0	33	2	9	0	0	0	0	0	0	0	0	61	1	0	0	1	1	0	0	106
Typhoid fever	113	3	18	0	279	22	642	23	0	0	22	2	21	0	1,365	29	67	0	9	0	154	2	2,690	81	
Relapse fever	9	0	3	1	514	5	383	20	0	0	0	0	2	0	524	7	1	0	2	1	528	10	1,966	44	
Epidemic typhus	2	0	2	0	19	0	2	0	0	0	0	0	0	0	54	1	0	0	0	0	38	0	117	3	
Rabies	22	1	0	0	5	5	15	8	0	0	0	0	4	0	6	1	0	0	0	0	0	0	52	15	
New AIDS cases	213	18	54	3	725	102	531	49	0	0	8	0	17	3	656	72	337	53	137	33	868	153	3,546	486	
Diarrhea with blood	206	9	63	0	160	12	167	4	109	21	26	1	11	0	283	14	173	2	42	3	88	1	1,328	67	
Diarrhea with severe dehydration <5 yrs	1,371	30	87	2	886	10	1,665	37	361	20	153	13	291	2	1,469	64	218	14	355	19	963	26	7,819	237	
Malaria < 5yrs	1,689	39	357	17	2,227	106	2,197	118	247	51	960	48	1166	17	5,730	229	99	0	100	8	14	1	14,786	634	
Malaria > 5yrs	5,595	144	823	30	8,506	394	7,565	183	232	27	1,452	38	1,781	31	16,353	498	165	4	264	12	88	25	42,824	1,386	
Malaria in pregnancy	208	13	45	1	222	10	329	10	29	4	48	0	157	3	420	11	1	0	10	0	1	0	1,470	52	
Sever anemia <5 yrs	245	12	80	1	102	8	330	26	33	1	44	4	113	0	616	48	23	2	5	0	4	1	1,595	103	
Sever anemia >5 yrs	698	47	134	6	514	26	412	32	30	4	59	11	195	0	1,950	115	20	2	67	2	14	1	4,093	246	
Sever Pneumonia < 5yrs	2,969	74	50	3	2,964	102	5,119	187	619	34	447	12	707	5	3,696	301	288	25	623	13	2,253	23	19,735	779	

D: Death

B. ANNUAL OUTPATIENT CASES REPORT BY REGION COMPILED FROM MONTHLY REPORTABLE DISEASE

Disease	Tig	Afar	Amh	Orom	Som	Ben	SNNP	Gamb	Har	DD	AA	National
Onchocerciasis	37	0	231	1,009	25	239	84	96	0	0	43	1,764
Typhoid fever	593	297	7,548	18,266	57	2,047	26,493	364	2	269	26,499	82,435
Relapse fever	12	81	660	868	2	0	1,138	0	1	1	930	3,693
Epidemic typhus	26	0	208	242	2	0	389	0	0	0	12,066	12,933
Rabies	307	0	71	774	9	73	174	1	0	0	8	1,417
New AIDS cases	1,365	305	4,166	3,908	13	134	4,185	242	68	658	6,126	21,170
Male urethral discharge	1,498	1,292	4,325	4,064	407	254	2,349	323	29	187	3,048	17,776
Genital ulcer	13,273	1,647	18,700	17,258	2,395	1,879	13,628	3,722	718	1,128	11,673	86,021
Diarrhea with blood	12,467	1,564	17,007	15,600	2,281	1,954	12,818	3,649	695	1,034	9,735	78,804
Malaria < 5 yrs	24,095	18,110	82,675	51,406	5,726	26,023	111,863	20,731	1,413	884	372	343,298
Malaria > 5 yrs	93,808	65,427	351,776	167,887	9,162	80,544	383,720	36,773	9,635	4,415	2,478	1,205,625
Lab conformed malaria cases	41,251	45,255	139,611	74,697	2,833	15,965	172,420	9,394	4,559	683	2,701	509,369
Pneumonia < 5 yrs	22,103	842	53,407	82,513	3,547	6,000	59,810	7,931	2,358	4,212	41,865	284,588
Diarrhea with some dehydration <5 yrs	7,003	843	22,571	39,387	2,846	3,634	24,358	2,567	1,012	1,075	13,249	118,545
Malaria in pregnancy	1,078	782	5,604	2,935	1,857	2,344	6,041	621	41	9	8	21,320

6. HYGIENE & ENVIRONMENTAL HEALTH SERVICES
6.1 QUALITY CONTROL & CERTIFICATION OF IMPORTED & EXPORTED GOODS & DRINKS, 1998

Exported		Imported		Unfit for human consumption	
Food (ton)	Drink (lit)	Food (ton)	Drink (lit)	food (ton)	drink (lit)
389,740.9	690,397.4	317,512.2	2,944,482.0	5,500.0	7,750.0

6.2 ACCESS TO SAFE WATER

Source of drinking water	Urban	Rural	Total
Pipe into dwelling	2.5	0.0	0.4
Pipe into compound	45	0.2	6.6
Pipe outside compound	42.6	12.3	16.7
Tube well or borehole	0.0	0.1	0.1
Protected dug well	1.2	4.5	4.0
Protected spring	2.3	38.7	33.5
Rain water	0.0	0.2	0.2
Unprotected dug well	0.8	6.0	5.3
Unprotected spring	4.1	7.5	7.0
Tanker truck	0.5	0.2	0.2
Surface water	0.8	30.1	25.9
Other	0.2	0.2	0.2
Total	100	100	100

6.3 DISTRIBUTION OF HOUSEHOLDS BY TYPE OF TOILET FACILITY

Type of toilet	Urban	Rural	Total
Flush/pour flush to pipe sewer system	1.1	0	0.2
Flush/pour flush to septic tank	1.3	0	0.2
Flush /pour flush to pit latrine	1.9	0.8	1.0
Ventilated improved pit (VIP) latrine	1.1	0.3	0.4
Pit latrine with a slab	11.5	0.8	2.3
Composting toilet	1.0	3.0	2.7
Any facility shared with other household	51.1	5.9	12.4
Flush/pour flush not to sewer/septic tank/pit latrine	0.2	0.1	0.1
Pit latrine without slab/open pit	18.1	18.6	18.5
Bucket	0.1	0.0	0.0
Hanging toilet	0.1	0.0	0.1
No facility /bush/field	12.2	70.3	61.9
Other missing	0.1	0.1	0.1
Total		100	100

7. HEALTH INFRASTRUCTURE

7.1 POTENTIAL HEALTH SERVICE COVERAGE, 1998

Regions	population	Health Center	Health station	Private clinic not for profit	Health post	PC for profit	Potential Health Service Coverage					
							HC&HS	HC,HS &PC for non profit	HC, HS,HP &non profit PC	HC,HS,HP &non profit PC for profit	HC,HS,HP &non profit PC&PC for profit	
Tigray	4,335,000	40	76	6	586	45	40.6	42.0	108.9	109.6	92.3	114.7
Afar	1,389,000	14	44	0	83	10	56.9	56.9	86.8	86.8	87.1	90.4
Amhara	19,120,000	155	0	46	2,075	320	20.3	22.6	74.5	77.0	82.9	85.3
Oromia	26,553,000	192	699	197	1,097	718	44.4	51.8	65.0	72.5	78.1	86
Somali	4,329,000	14	93	0	95	2	29.6	29.6	40.6	40.6	40.6	40.8
Ben-Gumz	625,000	14	57	6	74	40	143.2	156.8	206.4	216.0	238.4	240.8
SNNPR	14,902,000	161	196	81	1,828	242	40.2	45.6	101.5	106.9	117.7	123.7
Gambella	247,000	8	23	12	32	12	174.1	222.7	238.9	287.4	222.7	311.7
Harari	196,000	2	10	9	12	22	76.5	122.4	107.1	153.1	163.3	209
Addis Ababa	2,973,000	29	8	116	36	357	27.1	66.1	33.1	72.1	89.0	132.2
Dire Dawa	398,000	6	0	7	37	16	31.4	55.3	84.2	101.7	104.3	121.9
National	75,067,000	635	1,206	480	5,955	1,784	37.2	43.6	76.9	80.1	88.8	92.0

10. 6. 2 IDSR REPORT, 1998

A. ANNUAL REPORT BY REGION COMPILED FROM WEEKLY REPORTABLE DISEASE

Region	Afp	Measles	NNT	Meningitis	Yellow fever	Cholera	Dracuculiasis	Plague	V.hemorrhagic fever
Tigray	88	111	2	50	0	0	0	0	0
Afar	18	65	0	8	0	0		0	0
Amhara	193	301	0	139	0	0	0	0	0
Oromia	323	448	40	474	0	0	0	0	0
Somali	57	92	0	0	0	0	0	0	0
Ben-Gumz	13	14	1	13	0	0	0	0	0
SNNPR	203	283	30	491	0	0	1	0	0
Gambella	10	0	1	2	0	0	5	0	0
Harari	13	90	9	79	0	0	0	0	0
Addis Ababa	31	319	27	27	0	0	0	0	0
Dire Dawa	8	12	0	1	0	0	0	0	0
National	957	1,735	110	1,284	0	0	6	0	0

10.6 NATIONAL SURVEILLANCE SYSTEM & EPIDEMIC REPORT

10.6.1 ANNUAL REPORT OF EPIDEMIC DISEASES, 1998

Region	Meningitis		Malaria		Acute diarrhea disease		Acute watery diarrhea		Measles		Shigellosis		Typhoid fever		Typhus		W..cough	
	Cases	D	Cases	D	Cases	D	Cases	D	Cases	D	Cases	D	Cases	D	Cases	D	Cases	D
Tigray	122	19	0	0	0	0	0	0	0	0	0	0	37	0	0	0	0	0
Afar	0	0	0	0	0	0	0	0	178	0	0	0	0	0	0	0	0	0
Amhara	0	0	4,262	0	0	0	0	0	443	8	0	0	0	120	0	94	0	0
Oromia	41	1	1,194	0	0	1,621	9	258	0	0	0	0	0	0	0	0	0	0
Somali	0	0	1,545	4	263	7	0	57	0	0	0	0	0	0	0	14	3	0
Ben-Gumz	0	0	0	0	0	0	0	23	0	0	0	0	0	0	0	0	0	0
SNNPR	844	27	121,942	21	0	0	0	40	0	209	1	0	0	0	0	0	0	0
Gambella	0	0	0	0	0	2,300	18	0	0	0	0	0	0	0	0	0	0	0
Harari	0	0	0	0	0	0	0	21	0	0	0	0	0	0	0	0	0	0
Addis Ababa	0	0	0	0	0	0	0	40	0	0	0	0	0	0	0	0	0	0
Dire Dawa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
National	1,007	47	128,943	25	263	7	3,921	27	1,060	8	209	1	37	0	120	0	108	3

D: Death

7.2 DISTRIBUTION OF HEALTH INFRASTRUCTURE, 1998

Regions	Hospital			Health center				Health Station	Health Post	Private clinic not for profit	
	MOH	Others**	Total	Beds	MOH	other*	Total				Beds
Tigray	12	3	15	1,460	40	0	40	217	76	586	6
Afar	2	1	3	122	14	0	14	0	44	83	0
Amhara	17	3	20	1,565	155	0	155	369	0	2,075	46
Oromia	21	10	31	3,463	187	5	192	0	699	1,097	197
Somali	6	0	6	436	14	0	14	200	93	95	0
Ben-Gumz	2	0	3	254	13	1	14	0	57	74	6
SNNPR	12	6	18	1,380	161	0	161	550	196	1,828	81
Gambella	1	0	1	87	4	4	8	0	23	32	12
Harari	3	2	5	692	2	0	2	20	10	12	9
Addis Ababa	5	24	29	2,495	24	5	29	174	8	36	116
Dire Dawa	1	2	3	270	6	0	6	50	0	34	7
Central	4@	1	5	1,698	0	0	0	0	0	0	0
National	86	52	138	13,922	620	15	635	1,580	1,206	5,955	480

**private, OGO and NGO hospital

* facilities owned by OGA & NGO

@ Includes St. Paulose, Alert, St peter and Emanuel

7.3 DISTRIBUTION OF HOSPITALS BY TYPE AND OWNERSHIP,1998

Regions	Hospitals							Total
	MOH			Others				
	Zonal	District	Specialized		OGO	NGO	Private	
			MOH	OGO				
Tigray	4	7	1	0	0	1	2	15
Afar	1	1	0	0	0	1	0	3
Amhara	6	10	1	1	1	0	1	20
Oromia	13	7	1	1	3	4	2	31
Somali	3	3	0	0	0	0	0	6
Ben-Gumz	2	0	0	0	0	0	0	2
SNNPR	6	6	0	1	0	4	1	18
Gambella	0	1	0	0	0	0	0	1
Harari	2	1	0	0	2	0	0	5
Addis Ababa	5	0	0	2	0	2	20	29
Dire Dawa	0	1	0	0	1	0	1	3
Central	0	0	4	1	0	0	0	5
Total	42	37	7	6	7	12	27	138

7.4 DISTRIBUTION OF PRIVATE OWNED CLINCS BY TYPE AND REGION, 1998

Regions	Type of clinic				Total
	Special	Higher	Medium	Lower	
Tigray	18	15	3	9	45
Afar	0	0	5	5	10
Amhara	2	12	77	229	320
Oromia	NA	NA	NA	NA	718
Somali	0	0	1	1	2
Ben-Gumz	0	0	11	29	40
SNNPR	2	10	30	200	242
Gambella	0	0	2	10	12
Harari	0	1	16	5	22
Addis Ababa	30	93	136	98	357
Dire Dawa	7	4	4	1	16
National					1784

10.5.6 LEPROSY RESULT OF TREATMENT, 1998

Region	No of patients registered		Total evaluated				Treatment completed		Died		Defaulter		Other	
	PB	MB	PB%	MB	MB%	PB	MB	PB	MB	PB	MB	PB	MB	
Tigray	17	174	94.1	155	89.1	82.4	79.9	0.0	0.0	0.0	5.7	5.9	3.4	
Afar	14	29	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	
Amhara	268	1,593	81.3	1,308	82.1	76.1	73.1	1.1	0.8	1.1	4.8	1.1	3.4	
Oromia	203	2,038	101	2,329	114.3	92.1	102.7	1.0	1.0	1.0	8.4	3.0	2.2	
Somali	3	19	100	20	105.3	100.0	105.3	0.0	0.0	0.0	0.0	0.0	0	
Ben-Gumz	9	42	55.6	43	102.4	44.4	35.7	0.0	0.0	0.0	61.9	0.0	4.8	
SNNPR	57	468	94.7	446	95.3	80.7	70.1	1.8	3.8	1.8	13.9	1.8	3.0	
Gambella	20	151	500	292	193.4	130.0	87.4	5.0	3.3	5.0	84.8	45.0	17.9	
Harari	0	43	0	45	104.7	0	88.4	0.0	0.0	0.0	7.0	0.0	9.3	
Addis Ababa	25	159	16	128	80.5	16.0	69.2	0.0	0.0	0.0	8.2	0.0	3.2	
Dire Dawa	0	25	0	20	80.0	0	68.0	0.0	0.0	0.0	12.0	0.0	0	
National	616	4,741	98.7	4,786	100.9	79.5	86.0	1.1	1.2	1.1	10.4	3.2	3.3	

10.5.5 LEPROSY CASE FINDING, 1998

Region	Total cases			New cases			Relapse	Defaulter	Other
	All	PB%	MB%	All	PB	MB%			
Tigray	111	14.4	85.6	88	15.9	84.1	8	2	13
Afar	97	42.3	57.7	97	42.3	57.7	0	0	0
Amhara	1327	10	89.9	1193	10.4	89.6	71	25	38
Oromia	1882	6.1	93.9	1699	6.2	93.8	92	58	33
Somali	22	9.1	90.9	16	12.5	87.5	0	0	6
Ben-Gumz	92	3.3	96.7	78	3.9	96.2	5	9	0
SNNPR	419	12.4	87.6	353	14.2	85.8	29	27	10
Gambella	281	12.5	87.5	223	15.7	84.3	13	37	8
Harari	41	4.9	95.1	30	6.7	93.3	3	1	7
Addis Ababa	123	1.6	98.4	103	1.9	98.1	15	3	2
Dire Dawa	11	9.1	90.9	6	0	100	1	0	4
National	4,406	9.1	90.9	3,886	9.8	90.2	237	162	121

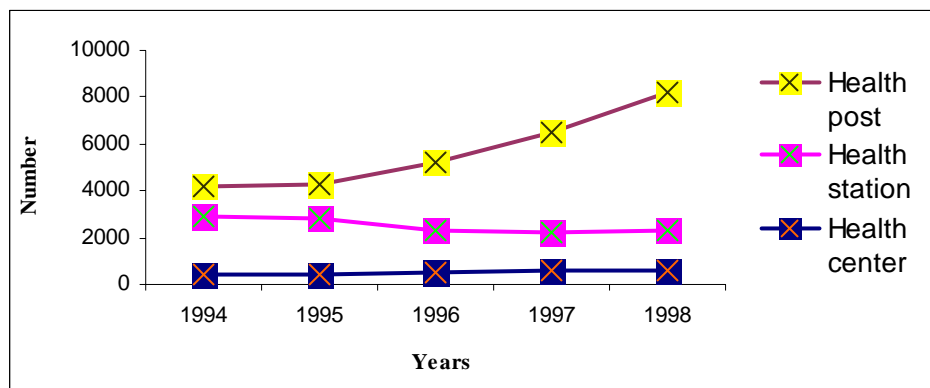
7.5 DISTRIBUTION OF PHARMACEUTICAL RETAIL OUTLETS, DRUG & MEDICAL SUPPLIES BY REGION, 1998

Regions	Pharmacies	Drug Shop	Rural Drug Vender	Drugs and Medical Supply		
				Importer & distributors	producer	Total
Tigray	13	14	192	4	1	5
Afar	0	6	33	0	0	0
Amhara	30	82	215	9	0	9
Oromia	52	149	774	12	1	13
Somali	2	2	55	0	0	0
Ben-Gumz	0	7	37	0	0	0
SNNPR	20	69	421	8	0	8
Gambella	0	4	13	0	0	0
Harari	4	14	3	0	0	0
Addis Ababa	115	111	5	65	9	74
Dire Dawa	10	18	6	4	0	4
National	246	476	1,754	102	11	113

7.6 HEALTH FACILITY CONSTRUCTION, REHABILITATION & EXPANSION,1898

Description	Activities						
	Construction		Rehabilitation	Expansion	Upgrading	Equipment	Furnished
	New	Ongoing					
Specialized hospital	0	0	0	0	0	0	0
Zonal hospital	0	0	0	0	0	0	0
District hospital	0	9	3	8	0	0	0
Health center	22	109	3	3		0	0
Health station	0	0	1	0	179	0	0
Health post	138	1503	2	10	69	0	0
Training school	0	0	0	2	0	0	0
Drug store	0	0	0		0	0	0
Regional laboratory	0	0	0	0	0	0	0
Regional health bureau	0	0	0	0	0	0	0
Zonal health department	0	1	0	0	0	0	0
Woreda health office	0	0	0	0	0	0	0
Medical equipment work shop construction	0	1	0	0	0	0	0
VCT center	2	0	0	0	0	0	0
Regional pharmacy	0	0	1	0	0	0	0

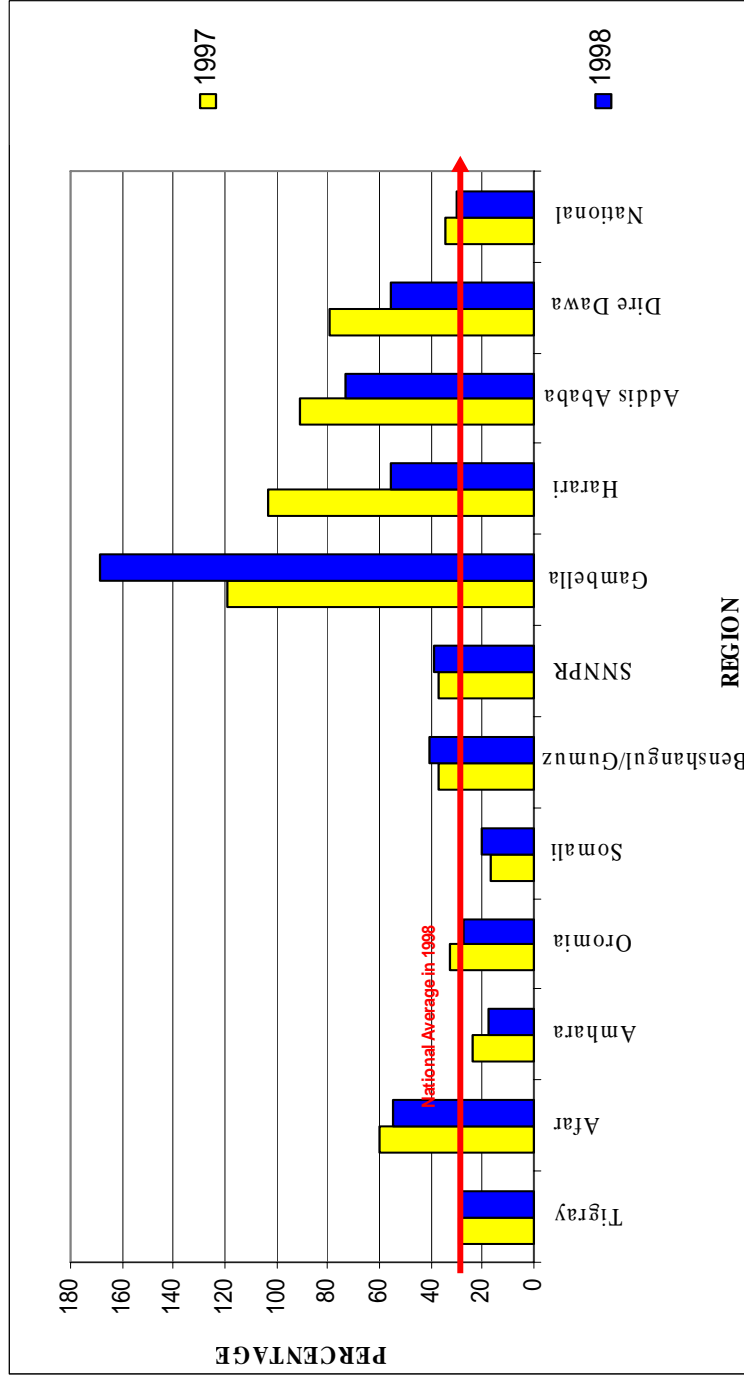
FIG. 7 PROGRESS ON THE DEVELOPMENT OF HEALTH FACILITIES (ETHIOPIA,1994-98)



10.5.4 NUMBER OF HEALTH FACILITIES PROVIDING DOTS & MDTBY REGION,1998

Regions	DOTS&MDT				DOTS only				MDT only						
	Ho	HC	HS	total	% facility	Ho	HC	HS	total	% facility	Ho	HC	HS	total	% facility
Tigray	12	34	168	214	29.8	0	0	0	0	0.0	0	0	0	0	0.00
Afar	2	14	44	60	41.7	0	0	0	0	0.0	0	0	0	0	0.00
Amhara	17	155	0	172	7.6	0	0	0	0	0.0	0	0	0	0	0.00
Oromia	29	188	1095	1312	65.0	0	0	0	0	0.0	0	0	0	0	0.00
Somali	6	7	20	33	19.2	3	4	5	12	7.0	0	0	0	0	0.00
Ben-Gumz	2	12	52	66	47.5	0	0	0	0	0.0	0	0	0	0	0.00
SNNPR	18	159	277	454	20.6	0	0	0	0	0.0	6	0	0	6	0.27
Gambella	1	8	10	19	29.7	0	0	0	0	0.0	0	0	0	0	0.00
Harari	3	2	10	15	51.7	0	0	0	0	0.0	0	0	0	0	0.00
Addis Ababa	13	25	7	45	45.0	0	0	0	0	0.0	0	0	0	0	0.00
Dire Dawa	1	5	0	6	13.3	0	0	0	0	0.0	0	0	0	0	0.00
National	104	609	1,683	2,396	30.4	3	4	5	12	0.2	6	0	0	6	0.00

**FIG. 11 COMPARISON OF TB CASE DETECTION RATE BY REGION
(ETHIOPIA,1997 AND 1998)**



8. HUMAN RESOURCE
8.1 HUMAN RESOURCE DISTRIBUTION BY REGION AND SEX, 1998

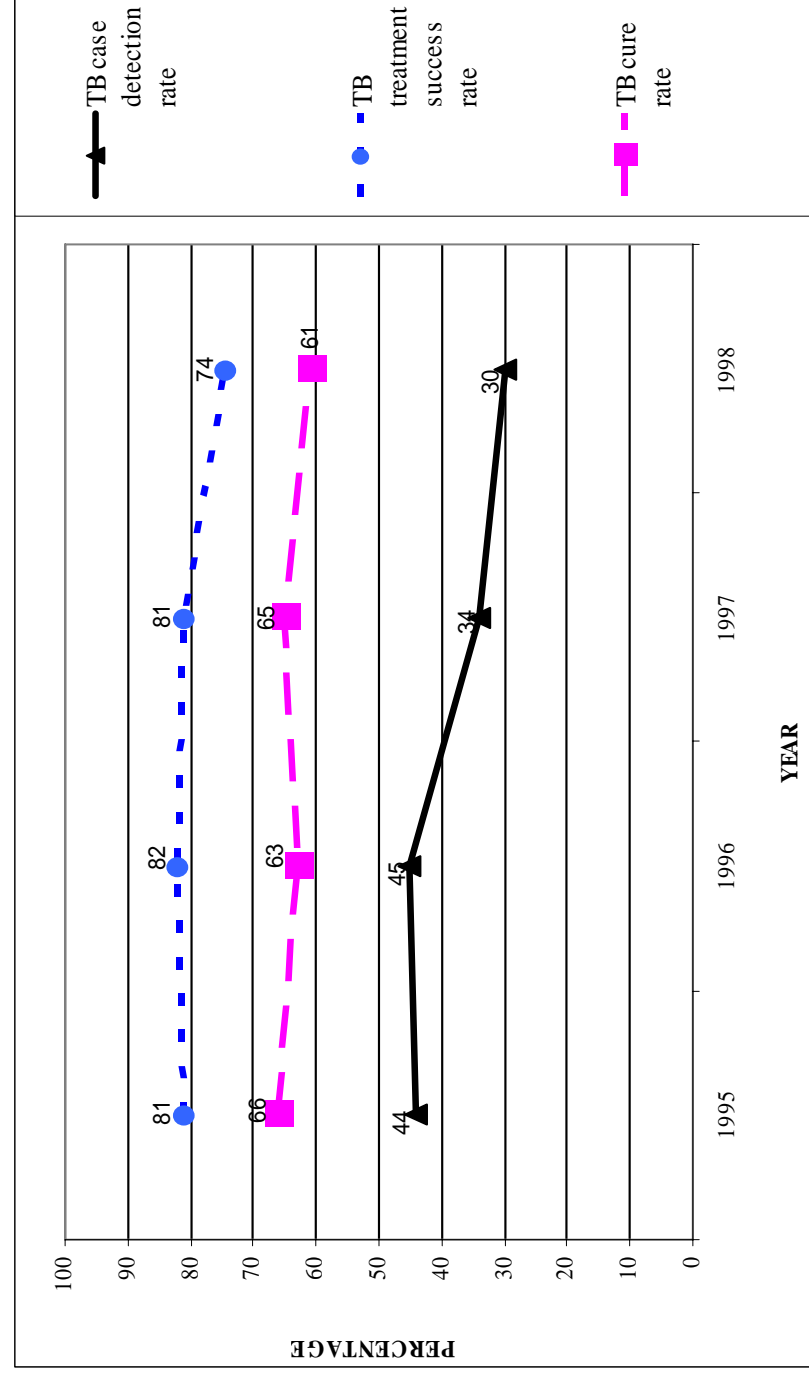
Profession	Tig	Afar	Amh	Orom	Som	Ben	SNNPR	Gamb	Har	A/A	DD	cent	Private@	NGO	OGO	Total
Physicians	39	10	133	182	51	16	110	4	33	240	38	256	501	44	458	2,115
Female	2	NA	17	NA	2	0	7	0	4	71	3	21	48	8	41	10.6%
Health officers	81	10	121	132	13	16	215	7	5	2	5	1	30	5	72	715
Female	25	NA	16	NA	1	0	26	0	1	1	1	0	2	1	8	11.5%
Pharmacists	6	0	1	18	5	2	11	1	1	6	3	58	33	1	16	162
Female	3	0	0	NA	0	0	1	0	0	2	0	9	5	0	2	13.6%
Nurses	1,610	256	1,973	3,343	404	357	3,107	127	222	653	191	369	509	184	4,540	17,845
Female	992	NA	687	NA	103		934	17	102	445	116	226	368	123	458	25.6%
Env. health worker	127	42	304	336	26	22	248	7	9	4	16	15	7	17	59	1,239
Female	49	NA	46	NA	4	2	29	0	2	0	0	4	0	3	0	11.2%
Lab.Tech	160	41	259	125	57	15	304	4	29	99	30	84	283	42	403	1,935
Female	66	NA	50	NA	5	1	50	0	11	37	5	19	53	9	17	16.7%
Radiographer	21	0	25	41	4	1	25	0	8	36	3	16	38	5	60	283
Female	3	NA	1	NA	0	0	0	0	2	7	0	3	5	1	4	9.2%
pharm.tech	215	32	329	314	20	7	437	7	18	59	13	36	44	16	265	1,812
Female	72	NA	92	NA	3	4	77	0	5	24	0	8	11	8	3	16.9%
Health assistant	814	56	647	1,540	108	58	290	19	28	202	34	92	503	92	317	4,800
Female	457	NA	204	NA	16	3	33	0	3	100	0	41	356	46	193	30.3%
Health ext. worker	1,235	0	3,319	2,035	0	28	2,199	0	39	0	46	0	0	0	0	8,901
FLHW	8,360	226	1,271	467	459	50	861	58	38	0	0	0	0	0	0	11,790
Female	5,731	NA	262	0	175	22	275	12	31	0	0	0	0	0	0	55.2%
Social worker	1	0	0	0	0	0	0	0	485	0	0	1	65	19	16	587
Female	0	0	0	0	0	0	0	0	262	0	0	1	42	8	7	54.5%
others	8	0	0	0	0	0	0	0	2	960	0	35	0	2	43	1,050
Female	1	0	0	0	0	0	0	0	0	531	0	12	0	17	53.4%	
Total	12,677	673	8,382	8,533	1,147	572	7,807	234	917	2261	379	963	2,013	427	6,249	5,3234

@ data is available only for AA, somali,harari,direDawa&benshangul, region

8. 2 DISTRIBUTION OF PHYSICIANS BY SPECIALIZATION AND REGION,1998

Profession	Tig	Afar	Amh	Orom	Som	Ben	SNNP	Gamb	Har	A/A	DD	cent	Private	OGO	NGO	Total
Total	39	10	133	182	51	16	110	4	33	240	38	256	501	458	44	2115
Specialists	16	10	53	49	10	1	22	1	14	73	11	163	242	324	15	1004
Internist	3	0	3	2	1	1	0	1	2	12	2	25	44	54	1	151
Surgeon	4	0	7	4	2	0	8	0	4	15	0	22	24	48	6	144
Pediatricians	3	0	4	13	2	0	1	0	1	9	2	17	29	37	0	118
Gynecologist	3	0	7	13	1	0	7	0	3	13	3	10	39	28	5	132
Ophthalmologist	2	0	5	3	1	0	2	0	1	9	1	9	19	13	1	66
Orthopedist	0	0	2	0	0	0	0	0	0	2	1	6	2	11	0	24
ENT Specialist	0	0	0	1	0	0	0	0	0	3	0	3	2	6	1	16
Anesthesiologist	0	0	4	2	0	0	0	0	1	2	0	6	4	12	0	31
Dentist	0	0	1	0	0	0	0	0	0	0	0	1	53	2	0	57
Radiologist	1	0	0	7	1	0	0	0	1	6	0	10	11	18	1	56
Physiotherapist	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3
Pathologist	0	0	0	0	0	0	0	0	0	1	0	7	2	15	0	25
Neurologist	0	0	0	0	0	0	0	0	0	1	0	4	0	6	0	11
Anatomist	0	0	0	0	0	0	0	0	0	0	0	9	0	16	0	25
Physiologist	0	0	0	0	0	0	0	0	0	0	0	2	2	5	0	9
Public health	0	0	17	4	2	0	4	0	1	0	2	9	3	35	0	77
Dermatologist	0	0	0	0	0	0	0	0	0	0	0	10	7	8	0	25
Pharmacologist	0	0	0	0	0	0	0	0	0	0	0	3	0	5	0	8
Psychiatrist	0	0	0	0	0	0	0	0	0	0	0	10	1	2	0	13
G.P	23	10	83	133	41	15	88	3	19	167	27	90	259	137	29	1124

FIG. 10 TRENDIN TB CASE DETECTION, TREATMENT SUCCESS AND CURE RATES (ETHIOPIA,1995-98)



10.5.3 CASE DETECTION RATE OF PTB+ BY REGION,1998

Regions	Population	Estimated incidence of PTB+	New PTB+ Cases Detected	Case Detection Rate	
Tigray	4,335,000	6,676	1,903	28.5	
Afar	1,389,000	2,139	1,173	54.8	
Amhara	19,120,000	29,445	5,215	17.7	
Oromia	26,553,000	40,892	11,263	27.5	
Somali	4,329,000	6,667	1,381	20.7	
Ben-Gumz	625,000	963	395	41.0	
SNNPR	14,902,000	22,949	8,896	38.8	
Gambella	247,000	380	640	168.4	
Harari	196,000	302	167	55.3	
Addis Ababa	2,973,000	4,578	3,334	72.8	
Dire Dawa	398,000	613	341	55.6	
National	75,067,000	115,604	34,708	30.0	
Standard				>=70	

8.3 DISTRIBUTION OF NURSES BY SPECIALITY, REGION AND SEX, 1998

Region	Nurse BSC		Midwife Nurse		Psychiatry Nurse		Anaesthist nurse		Dental Nurse		Clinical & staff nurse		Public health nurse		Other nurse		Total	
	BF	F	BF	F	BF	F	BF	F	BF	F	BF	F	BF	F	BF	F	BF	F
Tigray	14	3	170	152	10	3	14	3	4	0	1,281	775	70	23	47	33	1,610	992
Afar	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	256	NA
Amhara	12	2	141	74	4	1	11	1	0	0	1,605	524	148	66	52	19	1,973	687
Oromia	9	NA	286	NA	21	NA	21	NA	8	NA	2,590	NA	384	NA	24	NA	3,343	NA
Somali	0	0	44	39	1	0	4	0	0	0	333	63	17	0	5	1	404	103
Ben-Gumz	1	0	24	13	2	0	5	0	2	0	196	29	61	14	66	0	357	56
SNNPR	22	6	220	91	18	5	11	2	0	0	2,366	694	457	133	13	3	3,107	934
Gambella	0	0	7	3	1	1	0	0	0	0	102	11	17	2	0	0	127	17
Harari	4	0	29	16	2	1	3	0	1	0	156	71	10	5	17	9	222	102
Addis Ababa	0	0	118	111	1	0	35	16	3	3	472	296	6	4	18	13	653	443
Dire Dawa	4	1	15	14	1	0	4	1	0	0	150	89	17	11	0	0	191	116
Central	5	2	11	11	43	20	14	8	0	0	226	144	0	0	68	41	367	226
NGO	2	1	27	21	1	0	3	2	1	0	149	93	2	1	1	0	186	118
OGA	72	13	42	19	17	8	111	14	10	4	3,743	271	54	6	491	123	4,540	458
Private	2	2	55	53	0	0	18	5	17	4	411	301	0	0	6	4	509	369
National (%F)	147	20.4	1,189	51.9	122	32.0	254	20.5	46	23.9	13,780	24.4	1,243	21.3	808	30.4	17,845	25.9

Other nurse includes ophthalmic nurse, OR nurse, pediatric nurse, head nurse, tutor nurse & MCH

8. 4 HEALTH PROFESSIONAL TO POPULATION RATIO BY REGION, 1998

Region	Population	Physicians		Physicians & health officer		Senior nurse		Senior and Junior Nurse		Environmental Health worker		Health extension worker	
		No	ratio	No	ratio	No	ratio	No	ratio	No	ratio	No	ratio
Tigray	4,335,000	39	111,154	120	36,125	937	4,626	1,610	2692.5	127	34,134	1235	3,510
Afar	1,389,000	10	138,900	20	69,450	256	5,426	256	5425.8	42	33,071	0	0
Amhara	19,120,000	133	143,759	254	75,276	1,253	15,259	1,973	9690.8	304	62,895	3319	5,761
Oromia	26,553,000	182	145,896	314	84,564	2,150	12,350	3,343	7942.9	336	79,027	2035	13,048
Somali	4,329,000	51	84,882	64	67,641	185	23,400	404	10715.3	26	166,500	0	0
Ben-Gumuz	625,000	16	39,063	32	19,531	128	4,883	357	1750.7	22	28,409	28	22,321
SNNPR	14,902,000	110	135,473	325	45,852	2,178	6,842	3,107	4796.3	248	60,089	2199	6,777
Gambella	247,000	4	61,750	11	22,455	51	4,843	127	1944.9	7	35,286	0	0
Harari	196,000	33	5,939	38	5,158	203	966	222	882.9	9	21,778	39	5,026
Addis Ababa	2,973,000	240	12,388	242	12,285	574	5,179	653	4552.8	4	743,250	0	0
Dire Dawa	398,000	38	10,474	43	9,256	166	2,398	191	2083.8	16	24,875	46	8,652
Private, NGO,OGO		1,259		1,367		4,862		5,602		98		0	
National	75,067,000	2115	35,493	2790	26,906	12,943	5,800	17,845	4,207	1,239	60,587	8,901	8,434
WHO standard			1:10,000					1:5,000					

10. 5. 2 TUBERCULOSIS RESULT OF TREATMENT, 1998

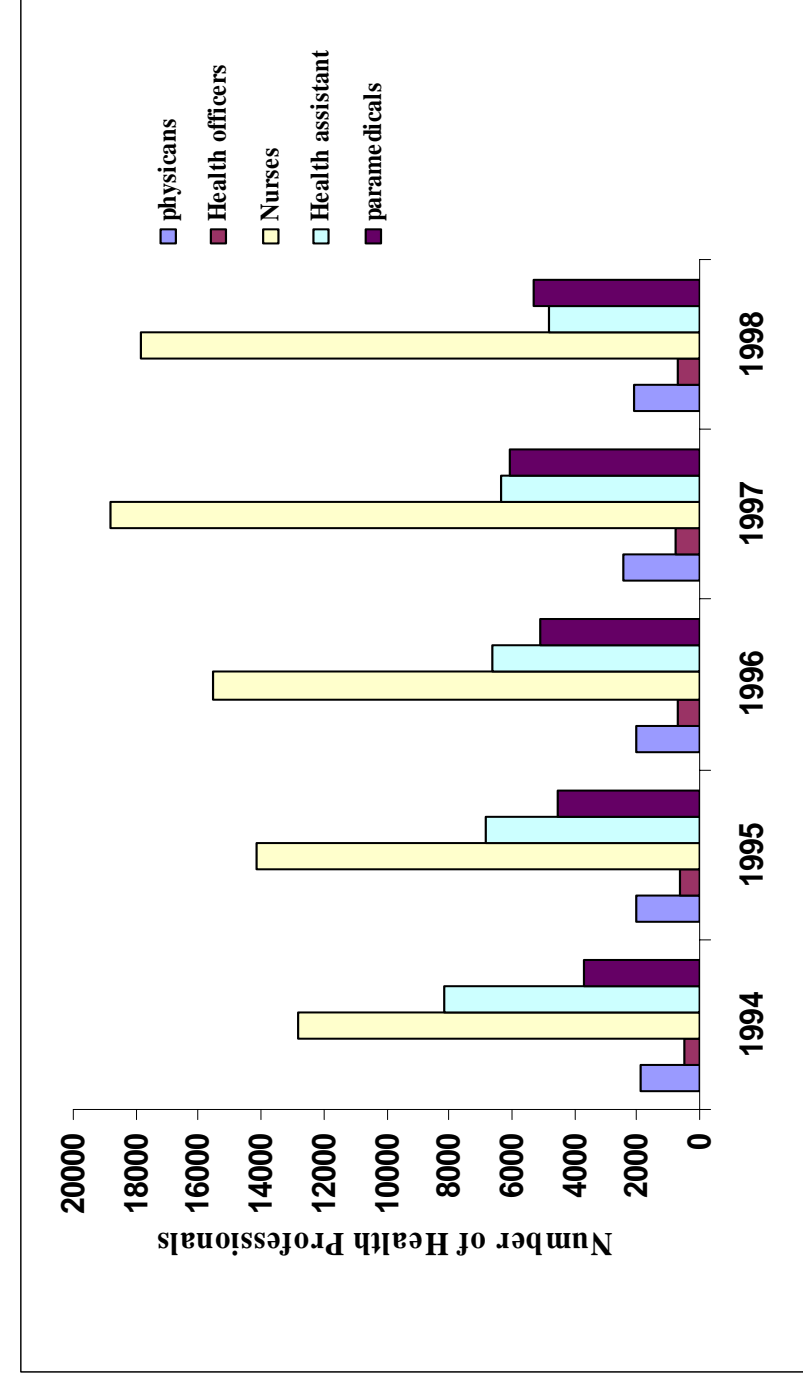
Regions	Classification	No. of patients	No of evaluated		Treatment Completed	Cure Rate		Treatment Success Rate		Died		Failure		Default		Others
			Cases	%		Cases	%	Cases	%	Cases	%	Cases	%	Cases	%	
Tigray	PTB pos.	1,926	1,991	103.4	125	1,547	80.3	1,672	87	152	7.9	18	0.9	61	3.2	88
	Re-treat	230	132	57.4	3	102	4.4	105	46	15	6.5	4	1.7	2	0.9	6
Afar	PTB pos.	1,258	1,278	101.6	361	779	61.9	1,140	91	44	3.5	24	1.9	28	2.2	42
	Re-treat	214	180	84.1	84	52	24.3	136	64	16	7.5	10	4.7	14	6.5	4
Amhara	PTB pos.	6,741	5,455	80.9	708	3,794	56.3	4,502	67	388	5.8	39	0.6	135	2.0	391
	Re-treat	444	319	71.8	49	214	48.2	263	59	23	5.2	4	0.9	11	2.5	18
Oromia	PTB pos.	13,607	11,866	87.2	1,685	8,460	62.2	10,145	75	700	5.1	62	0.5	558	4.1	401
	Re-treat	754	584	77.5	102	349	46.3	451	60	70	9.3	12	1.6	31	4.1	20
Somali	PTB pos.	1,161	1,166	100.4	28	963	82.9	991	85	56	4.8	12	1.0	56	4.8	51
	Re-treat	113	119	105.3	3	91	80.5	94	83	14	12.4	0	0.0	8	7.1	3
Ben-Gumuz	PTB pos.	342	253	74.0	42	141	41.2	183	54	26	7.6	6	1.8	11	3.2	27
	Re-treat	19	11	57.9	3	6	31.6	9	47	0	0.0	0	0.0	0	0.0	2
SNNPR	PTB pos.	8,406	8,497	101.1	1,675	5,589	66.5	7,264	86	327	3.9	24	0.3	460	5.5	422
	Re-treat	378	342	90.5	85	201	53.2	286	76	17	4.5	7	1.9	18	4.8	14
Gambella	PTB pos.	459	363	79.1	98	177	38.6	275	60	29	6.3	7	1.5	32	7.0	20
	Re-treat	60	60	100.0	26	15	25.0	41	68	12	20.0	0	0.0	2	3.3	5
Harari	PTB pos.	302	286	94.7	26	162	53.6	188	62	26	8.6	2	0.7	12	4.0	58
	Re-treat	19	16	84.2	0	11	57.9	11	58	2	10.5	0	0.0	1	5.3	2
Addis Ababa	PTB pos.	4,094	3,443	84.1	399	2,341	57.2	2,740	67	220	5.4	39	1.0	241	5.9	203
	Re-treat	714	374	0.0	56	176	24.6	232	32	56	7.8	19	2.7	42	5.9	25
Dire Dawa	PTB pos.	467	373	79.9	68	186	39.8	254	54	38	8.1	3	0.6	42	9.0	36
	Re-treat	85	77	90.6	18	15	17.6	33	39	23	27.1	1	1.2	11	12.9	9
National	PTB pos.	38,763	34,971	90.2	5,215	24,139	62.3	29,354	76	2,006	5.2	236	0.6	1636	4.2	1,739
	Re-treat	3,030	2214	100.0	429	1,232	40.7	1,661	55	248	8.2	57	1.9	140	4.6	108
	PTB& Retreat	41,793	37,185		5,644	253,71		31,015		2,254		293		1,776		1,847
Standard							60.71		74.21		5.39		0.70		4.25	
									>= 85						<10	

10.5 TUBERCULOSIS AND LEPROSY

10.5.1 TUBERCULOSIS CASE FINDING, 1998

Pulmonary TB																
Regions	Smear positive					Smear Negative		Extra pulmonary		All new cases		Smear Conversion				
	new	%	Relapse	Failure	Defaulter	Total	Cases	%	Cases	%	Cases	%	Total evaluated	Pos	Neg.	Not done
Tigray	1,903	19.6	148	37	13	198	3,524	36.3	4,282	44.1	9,709	98.0	1,901	56	1,609	255
Afar	1,173	37.0	18	49	91	158	1,243	38.5	816	25.2	3,232	95.3	1,123	61	666	423
Amhara	5,215	23.0	260	37	31	328	7,471	32.8	10,058	44.2	22,744	98.6	5,277	132	3,634	1,589
Oromia	11,263	31.8	495	62	132	689	11,761	32.6	13,089	36.2	36,113	98.1	11,653	259	8,033	3,361
Somali	1,381	45.4	153	16	20	189	882	28.5	834	26.9	3,097	94.2	1,323	76	1,191	66
Ben-Gumz	395	28.3	21	1	6	28	383	27.4	620	44.3	1,398	98.0	420	18	195	33
SNNPR	8,896	42.1	285	19	75	379	5,646	28.7	5,158	26.2	19,700	98.1	8,758	171	6,757	1,481
Gambella	640	43.1	78	9	73	160	357	23.0	556	35.8	1,553	90.7	739	103	277	59
Harari	167	31.6	18	3	0	21	229	43.4	132	25.0	528	96.2	207	3	145	52
Addis Ababa	3,334	25.9	373	46	46	465	4,536	36.1	4,711	37.4	12,581	96.4	3,311	146	2,658	356
Dire Dawa	341	19.9	47	5	5	57	1,299	68.5	255	13.5	1,895	97.1	369	1	195	78
National	34,708	30.1	1,896	284	492	2,672	37,331	33.3	40,511	36.6	112,550	97.4	35,081	1,026	25,360	7,753

FIG. 8 AVAILABILITY OF HEALTH PERSONNEL BY SELECTED PROFESSIONAL CATEGORIES (ETHIOPIA,1998)



9. BUDGET ALLOCATION & EXPENDITURE

Cont...

9.1 REGIONAL RECURRENT HEALTH BUDGET ALLOCATION AND EXPENDITURE, 1998

Regions	Budget	Expenditure	%Expenditure
Tigray	81,640,000	88,220,000	108.1
Afar	22,710,000	18,500,000	81.5
Amhara	153,020,000	139,350,000	91.1
Oromia	199,360,000	196,130,000	98.4
Somali	34,180,000	35,300,000	103.3
Ben-Gumz	22,460,000	22,600,000	100.6
SNNPR	113,280,000	121,860,000	107.6
Gambella	16,180,000	9,900,000	61.2
Harari	22,630,000	14,950,000	66.1
Dire Dawa	12,500,000	14,153,000	113.2
Addis Ababa	72,850,000	70,640,000	97.0
Federal FMOH	71,790,000	69,600,000	96.9
NATIONAL	822,600,000	801,203,000	97.4

9.2 REGIONAL CAPITAL BUDGET ALLOCATION & EXPENDITURE, 1998

Regions	Budget	Expenditure	%Expenditure
Tigray	26,300,000	4,335,000	16.5
Afar	13,630,000	7,938,000	58.2
Amhara	75,850,000	35,021,000	46.2
Oromia	100,960,000	23,791,000	23.6
Somali	22,590,000	26,226,000	116.1
Ben-Gumz	5,590,000	2,310,000	41.3
SNNPR	35,930,000	55,366,000	154.1
Gambella	3,410,000	3,610,000	105.9
Harari	9,870,000	9,877,000	100.1
Addis Ababa	51,390,000	21,120,000	41.1
Dire Dawa	3,710,000	3,653,000	98.5
Federal FMOH	12,210,000	5,090,000	41.7
National	361,440,000	198,337,000	54.9

Year	Region	Exam	Positive	P. f	P. v	P.m	Mixed
1996	Tigray	132,821	44,536	31638	12078	0	0.2
	Afar	22,601	11,115	7,765	3,350		823
	Amhara	148,510	64,629	43,369	17,870		3,285
	Oromia*	554,210	250,408	181,366	63,966	105	4,568
	Somali	12,691	6,219	4927	1,215	508	77
	Ben-Gumz	67,975	14,524	9,850	4,668		
	SNNPR	174,841	98,605	68,222	29,333	6	963
	Gambella	96,296	53,725	29,944	23,547	87	93
	Harari		10,438	8809	1,629	141	
	Addis Ababa	923	727	265	462		
	Dire Dawa	NA	10,161				
	Total	1,210,868	565,087	386,155	158,118	847	9,809
	%		46.7	68.3	28	0.2	1.7
1997	Tigray	149615	50145	41009	8366	0.2	526
	Afar*	65421	37100	24587	12513		
	Amhara	397252	319646	50564	20734		
	Oromia*	335799	105849	64071	36806	8	4964
	Somali	16044	12558	7896	4662		
	Ben-Gumz	82226	26894	11534	15329		30
	SNNPR*	277037	114013	74713	34638		2855
	Gambella	129061	126383	112183	12829	1777	176
	Harari	6023	2281	2060	221	1195	
	Addis Ababa	2522	2092	891	1201		
Dire Dawa	13704	1058	806	243		9	
	Total	1,474,704	798,019	390,314	147,542	2,980	8,560
	%		54.1	48.9	18.5	0.4	1.1
1998	Tigray	184,002	62,967	46,101	16,265	0	0
	Afar	92,248	37,839	24,506	13,333	0	0
	Amhara	480,191	152,225	9,209	49,250	0	11,496
	Oromia	369,266	110,648	65,358	40,521	16	4,753
	Somali	28,202	16,504	14,232	2,272	0	0
	Ben-Gumz	30,017	15,356	9,315	5,882	0	159
	SNNPR	363,463	181,976	123,739	53,309	716	4,212
	Gambella	58,758	43,909	38,758	3,655	621	857
	Harari	8,796	5,293	4,622	671	0	0
	Addis Ababa		1,023	780	293	0	0
	Dire Dawa	3,176	2,914	1,214	1,697	0	0
	Total	1,618,119	630,654	337,834	187,148	1,353	21,477
	%		39	20.9	11.6	0.1	1.3

* incomplete data

10.4 MALARIA CASES BY PARASITE SPECIES, 1993-1998

Year	Region	Exam	Positive	P. f	P. v	P.m	Mixed
1993	Tigray	77,725	17,527	55.8	36.5	-	0.2
	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-Gumz	17,127	4,157	2,431	1,723	3	-
	SNNPR	172,426	82,486	55,310	26,780	33	263
	Gambella	20,771	10,305	9,031	1,254	20	-
	Harari	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	
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
	Oromia	390,804	164,208	73,044	63,042	31	260
	Somali	27,038	14,498	13,659	838		1
	Ben-Gumz	16,397	4,769	256	4,513		
	SNNPR	191,003	88,521	51,321	35,349	104	1744
	Gambella	23,608	7,598	6,585	966	45	2
	Harari	22,174	6,062	5,614	368		
	Addis Ababa*	16,387	3,096	1,818	1,278		
	Dire Dawa*	NA	937	NA	NA	NA	NA
Total	1,062,444	427,831	238,950	158,113	193	2,342	
%		40.3	55.9	36.9	0.1	0.6	
1995	Tigray	103,773	31,855	21,485	9,794		586
	Afar	96,600	51,575	33,235	18,340		
	Amhara*		109,224				
	Oromia	308,702	156,274	76,553	57,616		182
	Somali	20,015	10,041	9,871	165	73	5
	Ben-Gumz		10,064	4,804	5,229		30
	SNNPR	173,128	78,923	43,391	35,491	2	28
	Gambella	23,608	7,598	6,585	960	41	2
	Harari	33,230	9,764	8,543	1,045	45	176
	Addis Ababa*		1,779				
	Dire Dawa*		6,526				
Total	759,056	473,623	204,467	128,640	161	1,009	
%		62.2	43.2	27.2	0	0.2	

* incomplete data

9.3 PUBLIC HEALTH EXPENDITURE PER CAPITA BY REGION, 1998

Regions	population	Budget allocation	Total Expenditure	Per capita
Tigray	4,335,000	107,940,000	92,555,000	21.4
Afar	1,389,000	36,340,000	26,438,000	19.0
Amhara	19,120,000	228,870,000	174,371,000	9.1
Oromia	26,553,000	300,320,000	219,921,000	8.3
Somali	4,329,000	56,770,000	61,526,000	14.2
Ben-Gumz	625,000	28,050,000	24,910,000	39.9
SNNPR	14,902,000	149,210,000	177,226,000	11.9
Gambella	247,000	19,590,000	13,510,000	54.7
Harari	196,000	32,500,000	24,827,000	126.7
Addis Ababa	2,973,000	124,240,000	91,760,000	30.9
Dire Dawa	398,000	16,210,000	17,806,000	44.7
Federal FMOH		158,100,000	74,690,000	
National	75,067,000	1,258,140,000	999,540,000	13.3

9.4 NATIONAL RECURRENT BUDGET ALLOCATION AND EXPENDITURE, 1989-1998

year	Allocation	Expenditure	%Expenditure	%National
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	97.9	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
1997	986,089,000	873,820,000	88.6	6.6
1998	822,600,000	801,203,000	97.4	8.5

Source: ministry of finance and economic development

9.5 NATIONAL CAPITAL BUDGET ALLOCATIONS AND EXPENDITURE, 1989-1998

Year	Allocation	Expenditure	%Expenditure	%National
1989	307,098,736	216,420,000	70.5	5.9
1990	354,200,000	276,910,000	78.2	6.6
1991	303,100,000	648,390,000	213.9	4.9
1992	360,537,000	176,700,000	49.0	4.8
1993	756,220,000	305,350,000	40.4	13.6
1994	503,565,855	235,100,000	46.7	8.4
1995	517,900,000	297,800,000	57.5	7.2
1996	517,810,000	378,416,000	73.1	6.4
1997	689,354,000	355,850,000	51.6	4.9
1998	361,440,000	198,367,000	54.9	7

9.6 PUBLIC HEALTH EXPENDITURE PER CAPITA ,1989-1998

year	Population	Budget Allocation	Total Expenditure	%Expenditure
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	69,127,021	1,170,340,000	910,588,000	13.2
1997	73,043,510	1,675,443,000	1,229,670,000	16.8
1998	75,067,000	1,258,140,000	999,540,000	13.3

Source: ministry of finance and economic development

10.3.3 TOP 10 LEADING CAUSES OF DEATH, 1998

Top 10 Leading Causes of Death

Rank	Diagnosis	Cases	%
1	All types of malaria	1,434	21.8
2	Tuberculosis of respiratory system	671	10.2
3	Bronchopneumonia	435	6.6
4	Primary atypical, other and unspecified pneumonia	358	5.4
5	Gastro -enteritis and colitis	269	4.1
6	Hypertension without mention of heart	199	3.0
7	Other meningitis (except meningococcal)	178	2.7
8	Lobar pneumonia	164	2.5
9	Tetanus	161	2.4
10	Intestinal obstruction without Hernis	149	2.3
Total of 10 leading causes		4,018	61.0
Total of all diseases		6,591	100

Top 10 Leading Causes of Death for Females, 1998

Rank	Diagnosis	Cases	%
1	All types of malaria	729	24.5
2	Tuberculosis of respirator system	280	9.4
3	Bronchopneumonia	196	6.6
4	Primary atypical, other and unspecified pneumonia	161	5.4
6	Hypertension without mention of heart	72	2.4
7	Other Meningitis (except Meningococcal)	57	1.9
8	Labor Pneumonia	56	1.9
9	Other unspecified anemia	51	1.7
10	Other complication of pregnancy	46	1.6
Total of 10 leading causes		1,648	55.4
Total of all disease		2,976	100.0

10.3.2 TOP 10 LEADING CAUSES OF ADMISSION,1998

Top 10 Leading causes of admission

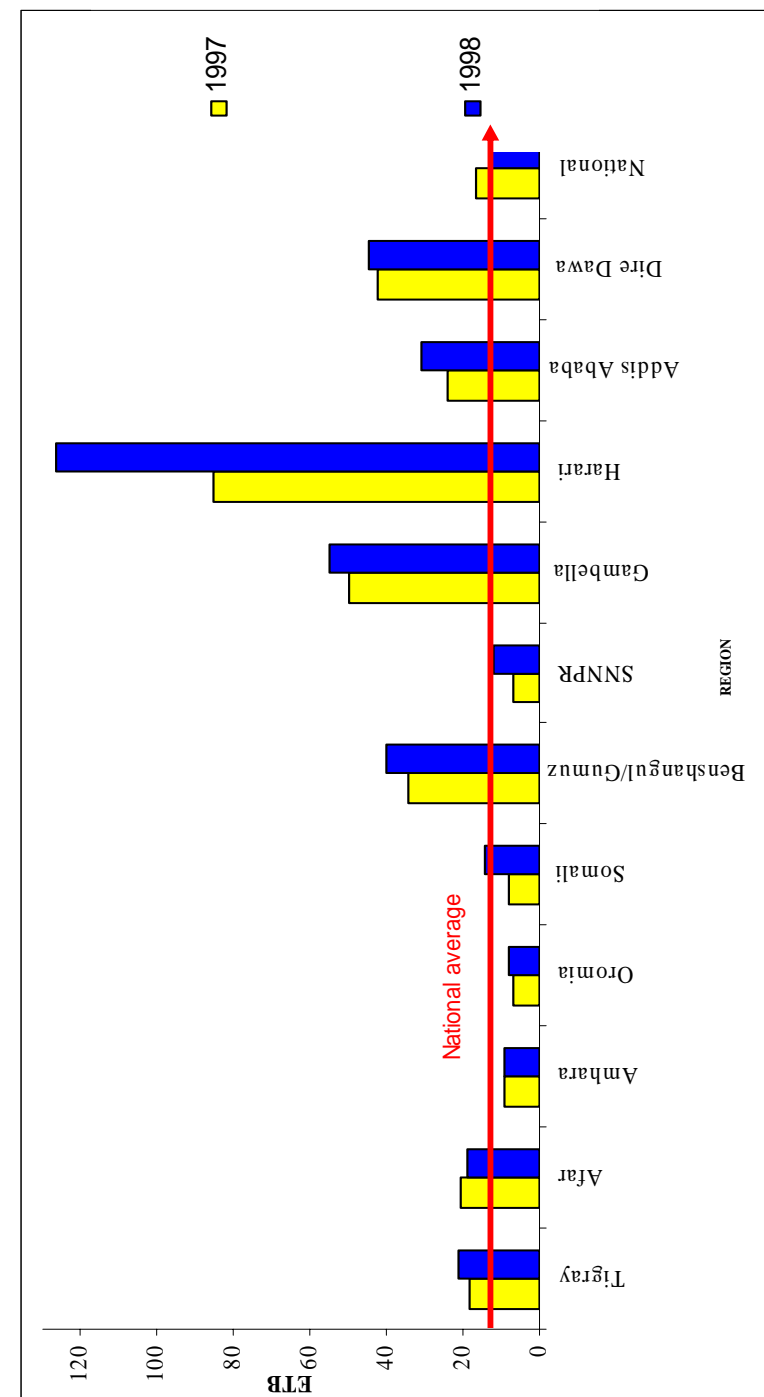
Rank	Diagnosis	Cases	%
1	Deliveries without mention of complication	153,221	46.8
2	All types of malaria	45,975	14.1
3	Tuberculosis of respiratory system	8,932	0.3
4	Bronchopneumonia	8,139	2.5
5	Gastro -enteritis and colitis	7,820	2.4
6	Other complication of pregnancy, childbirth and puerperium	6,368	1.9
7	Primary atypical, other, and unspecified pneumonia	5,466	1.7
8	All other accidental causes	3,863	1.2
9	Abortion without mention of sepsis	3,676	1.1
10	Cataract	2,700	0.8
Total of 10 leading causes		246,165	75.3
Total of all diseases		327,075	100

Top Leading causes of Admission for Females, 1998

Rank	Diagnosis	Cases	%
1	Deliverers without mention of complication	153,221	64.1
2	All types of malaria	21,154	8.9
3	Other complication of pregnancy ,child birth and puerperium	6,368	2.7
4	Gastro -enteritis and colitis	5,030	2.1
5	Tuberculosis of respiratory system	3,813	1.6
6	Bronchopneumonia	3,677	1.5
7	Abortion without mention of sepsis	3,569	1.5
8	Primary atypical, other, and unspecified pneumonia	3,462	1.4
9	All other disease of Genito- Urinary system	2,335	1.0
10	Abnormal labour due to disproportion	1,257	0.5
Total of 10 leading causes		203,886	85.4
Total of all disease		238,866	100

Female inpatient data is not available for Oromia

FIG. 9 COMPARISON OF PER CAPITA PUBLIC EXPENDITURE ON HEALTH (IN ETB) BY REGION (ETHIOPIA,1997 AND 1998)



10. DISEASE STATISTICS

10.1 OUT PATIENT VISIT & ADMISSION DATA ,1998

Regions	Population	Total	Visit per capita	Total admission	Admission rate per 1000
Tigray	4,335,000	3,630,758	0.84	49,113	11.3
Afar	1,389,000	167,696	0.12	2,012	1.4
Amhara	19,120,000	7,606,989	0.40	49,264	2.6
Oromia	26,553,000	7,345,665	0.28	31,111	1.2
Somali	4,329,000	388,953	0.09	2,699	0.6
Ben-Gumz	625,000	190,771	0.31	7,007	11.2
SNNPR	14,902,000	3,299,294	0.22	83,198	5.6
Gambella	247,000	9,571	0.04	5,693	23.0
Harari	196,000	72,135	0.37	10,647	54.3
Addis Ababa	2,973,000	1,337,719	0.45	174,594	58.7
Dire Dawa	398,000	102,407	0.26	8,083	20.3
Central		468,290		22,181	
National	75,067,000	24,620,248	0.33	445,602	5.9

10. 2 NUMBER OF BEDS,DAYS SPENT IN HOSPITAL, DISCHARGE AND DEATH, 1998

Regions	No of beds	Total length of stay in days	Bed occupancy rate	Total Discharge	Discharge Dead
Tigray	1,677	205,393	33.6	49,113	1,663
Afar	122	1,894	4.3	2,012	141
Amhara	1,934	49,265	7.0	49,264	49,264
Oromia	3,463	170,263	43.1	31,111	1,452
Somali	636	16,826	7.3	2,699	294
Ben-Gumz	254	77,070	83.1	7,007	NA
SNNPR	1,930	192,049	27.3	83,198	3,744
Gambella	87	20,175	63.5	5,693	337
Harari	712	59,412	22.9	10,647	543
Addis Ababa	2,669	154,073	15.8	174,594	570
Dire Dawa	320	96,996	83.0	8,083	930
Central	1,698	360,953	58.2	22,181	1,980
National	15,502	14,043,69	24.8	445,602	60,918

10.3 TOP 10 LEADING CAUSES ,1998

10.3.1 TOP 10 LEADING CAUSES OUT PATIENT VISITS

Rank	Diagnosis	Cases	%
1	All Types of Malaria	1,232,795	17.8
2	Acute upper respiratory infection	508,908	7.4
3	Helminthiasis	396,482	5.7
4	Gastritis and duodenitis	276,623	4.0
5	Bronchopneumonia	243,334	3.5
6	Infection of skin and subcutaneous tissue	227,327	3.3
7	All other diseases of genito -urinary system	220,820	3.2
8	Primary atypical other and unspecified pneumonia	171,993	2.5
9	Amoebiasis	162,421	2.4
10	All other infection and parasitic diseases	155,043	2.2
Total of 10 leading causes		3,595,746	52.0
Total of all causes		6,909,580	100

Top 10 Leading Cause of Outpatient Visit For Females ,1998

Rank	Diagnosis	Cases	%
1	All types of malaria	609,856	17.6
2	Acute upper respiratory infection	260,061	7.5
3	Gastritis and duodenitis	154,327	4.4
4	All other diseases of genito -urinary system	136,394	3.9
5	Other helminthiasis	135,500	3.9
6	Bronchopneumonia	129,014	3.7
7	Infection of skin and subcutaneous tissue	108,740	3.1
8	Primary atypical other and unspecified pneumonia	82,666	2.4
9	Amoebiasis	78,313	2.3
10	All other infection and parasitic diseases	71,932	2.1
Total of 10 leading cases		1,766,803	50.9
Total of all cases		3,474,537	100