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የጤና ጥበቃ ሚኒስቴር  
Federal Democratic Republic of Ethiopia  
Ministry of Health

# Health and Health Related

## INDICATORS

2  
0  
0  
0

### IMMUNIZATION COVERAGE



1998



1999



2000

# Health and Health Related **INDICATORS**

*2000 E.C. (2007/08 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 characteristics 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 has been put to improve the quality and scope of the data used in this issue. The current year's coverage indicators that needed population data have been used with "Central Statistics Agency 2000 EC abstract report" because of the 2007 census is not final until this booklet is published.

It is hoped that this publication will serve as a useful and quick reference for policy makers and planners as one of the tools for the design of future development plans, monitoring and evaluation. It is also hoped that this publication will help researchers and those who are 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. 2000 Central Statistics Agency annual statistical abstract
4. The African Population Profile: 2008 G.C.
6. Socio-economic & Financial Data: MOFED
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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Ministry of Health

Acknowledgements are due to all those, whose invaluable comments and suggestions have made it possible the completion of this publication on time.

***Health Information Processing & 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	Dehendra K.T.Yaji (a pioneer of DKT)
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
HSEP	Health Service Extension Program
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
NER	Net Enrollment Ratio
NGO	Non Governmental Organization
NNT	NeoNatal Tetanus
NSS	National Sentinel Surveillance
NHC	Nucleus Health center
NVP	Nevirapin
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

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# INTRODUCTION

The land area of Ethiopia is estimated at about 1.1 million square kilometer and the current population is approximately 79 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 in eight hundred 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 third year implementation. HSDP III, 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. One of the main priority areas 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. About 24,571 HEWs are being trained and

the rest will be graduated by next year to meet the target of training and deployment of 30,000 HEW's.

A national HMIS and M&E reform is made and implemented in all emerging regions and at federal hospitals and the scale up will continue in the remaining regions 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, it is known that the FMOH has identified the HMIS as one of its core processes for system design through the application of BPR principles .

## 2. SUMMARY OF BASIC HEALTH INDICATORS

Indicators	1996	1997	1998	1999	2000
Total population	69,127,021	73,043,510	75,067,000	77,127,000	79,221,000
PHS coverage (%)	64.0	72.1	76.9	86.7	89.6
EPI coverage(%)*	60.8	70.1	75.6	72.6	81.0
Health service utilization	0.36	0.3	0.33	0.32	0.24
Contraceptive acceptance rate	23.0	25.2	35.8	33.6	50.9
Antenatal coverage	44	46	50.4	52.1	59.4
<b>No of facilities</b>					
Hospitals	126	131	138	143	149
Health centers	519	600	635	690	732
Health stations +NHC	1,797	1,662	1,206	1,376	1,517
Private clinics not for profit	359	379	480	397	271
Private clinics for profit	1,299	1,578	1,784	1,756	1,788
Health posts	2,899	4,211	6,191	8,528	11,446
Pharmacies	275	276	246	320	NA
Drug shops	375	381	476	577	NA
Rural drug vendors	1,783	1,787	1,754	2,121	NA
<b>Human resource in service</b>					
Physicians	1,996	2,453	2,115	1,806	2,085
Health officers	683	776	715	1151	1,242
Nurses	15,544	18,809	17,845	18,146	16,765
Health assistants	6,628	6,363	4,800	3184	2,140
Para medicals	5,215	6,259	5,431	3,863	7,731
Health extension workers		2,737	9,900	17,653	24,571
<b>Human resource graduated</b>					
Specialists	96	183	57	207	168
General Practitioners	193	309	188	161	162
Health officers	249	333	247	789	2,289
Nurses	2,384	4,536	1,618	1,846	2,010
Para medicals	9,99	803	791	789	1,103
Health extension workers	2,737	7,090	7,136	8,560	6,918

◆ \* Coverage is calculated using DPT3 only for the years 1996, 1997 & 1998 and Pentavalent3 for the years 1999 & 2000

### 3. BASIC HEALTH INDICATORS: TARGETS IN HSDP III AND ACHIEVEMENT IN 2000

Indicators	HSDPIII Target	3rdyear HSDPIII
Primary health service coverage	100%	89.6%
Number of HEWs deployed and in place	30,000	24,571
Contraceptive acceptance rate	>=60	50.9%
Antenatal care coverage	80%	59.4%
Proportion of deliveries assisted by skilled health personnel	32%	20.3%
Postnatal care coverage	31%	25.1%
Immunization coverage for under 1 children		
Pentavalent3	80%	81.0%
Measles	75%	72.2%
Fully immunized children	85%	62.6%
HIV incidence	0.66%	0.27%
HIV Prevalence	Main- tain 3.5%	2.1%
Number of PLWHA receiving ART	263,000	109,930
OPD visit per capita	0.5	0.24
Health staff to population ratio		
Doctors to population ratio	1:14,662	1:37,996
Health officers to population ratio		1:63,785
Nurses to population ratio		1:4,725
Health extension workers to population ratio	1:2,500	1:3,224

## 4. DEMOGRAPHIC AND VITAL STATISTICS

### 4.1 SOME DEMOGRAPHIC INDICATORS

Regions	Total	Male	Female	Sex ratio	Under 1%	Under 5%	Urban%	Female 15-49%	Dependency ratio
Tigray	4,565,000	2,251,000	2,314,000	97.3	3.73	16.7	19.5	23.5	92.8
Afar	1,449,000	803,000	646,000	124.3	3.73	14.1	9.5	22.4	80.1
Amhara	20,136,000	10,060,000	10,076,000	99.8	3.73	16.4	12.0	23.4	87.3
Oromia	28,067,000	14,008,000	14,059,000	99.6	3.73	17.2	13.8	23.3	103.1
Somali	4,560,000	2,444,000	2,116,000	115.5	3.73	15.3	17.6	23.1	85.0
Ben-Gumuz	656,000	330,000	326,000	101.2	3.73	16.2	10.2	24.3	91.9
SNNPR	15,745,000	7,831,000	7,914,000	99.0	3.73	17.4	8.9	23.8	101.2
Gambella	259,000	132,000	127,000	103.9	3.75	14.9	19.7	26.8	76.5
Harari	209,000	107,000	102,000	104.9	3.75	14.9	62.7	26.5	70.0
Addis Ababa	3,147,000	1,511,000	1,636,000	100.0	3.75	10.4	75.2	27.3	37.6
Dire Dawa	428,000	214,000	214,000	92.4	3.75	15.6	100.0	34.4	61.2
<b>National</b>	<b>79,221,000</b>	<b>39,691,000</b>	<b>39,530,000</b>	<b>100.4</b>	<b>3.72</b>	<b>16.5</b>	<b>16.7</b>	<b>23.9</b>	<b>93.0</b>

Source: Central Statistics Agency 2000 statistical Abstract

## 4.2 VITAL STATISTICS (ETHIOPIA, 2000)

Regions	Population	CBR per 1000	RNI	TFR	IMR per 1000	CMR per 1000	Under 5 MR/1000	Male LE	Female LE
Tigray	4,565,000	37.3	2.70	5.1	67	42	106	52.0	54.9
Afar	1,449,000	37.3	2.20	4.9	61	66	123.00	56.9	50.8
Amhara	20,136,000	37.3	2.70	5.1	94	66	154.00	53.4	56.0
Oromia	28,067,000	37.3	2.90	6.2	76	51	122.00	53.0	55.5
Somali	4,560,000	37.3	2.60	6.0	57	39	93.00	58.7	55.4
Ben-Gumz	656,000	37.3	2.50	5.2	84	80	157.00	50.1	51.1
SNNPR	15,745,000	37.3	2.90	5.6	85	63	142.00	51.4	53.5
Gambella	259,000	37.3	2.60	4.0	92	70	156.00	57.6	58.3
Harari	209,000	35.7	2.40	3.8	66	40	103.00	55.6	54.7
Addis Ababa	3,147,000	35.7	2.50	3.6	71	70	136.00	54.1	55.8
Dire Dawa	428,000	35.7	1.50	1.4	45	28	72.00	60.3	64.1
<b>National</b>	<b>79,221,000</b>	<b>35.7</b>	<b>2.7</b>	<b>5.4</b>	<b>77</b>	<b>50</b>	<b>123</b>	<b>53.4</b>	<b>55.4</b>

Source : CSA 2000 Statistical Abstract .

NB: Maternal Mortality Ratio of the country is estimated to be 673 per 100,000 live births, but there is no disaggregation by region

### 4.3 DEMOGRAPHIC DATA & ESTIMATES OF AFRICAN COUNTRIES

	Projected population mid-2008 (millions)	RNI	IMR	TFR	% of population by age group				% of pop. 15-49y. with HIV/AIDS	% of married women 15-49 using contraceptive		% of children under weight < age 5	GNIPPP per Capita (US\$) 2006	Net School Enrollment (percent of children enrolled)	
					Age <5	Age 5-14	65+	Total		Any Methods	Modern Methods			Primary	Secondary
<b>WORLD</b>	<b>6,705</b>	<b>1.2</b>	<b>4.9</b>	<b>2.6</b>	<b>10</b>	<b>19</b>	<b>7</b>	<b>36</b>	<b>0.8</b>	<b>62</b>	<b>55</b>	<b>25</b>	<b>\$9,600</b>		
Sub-Saharan Africa	809	2.5	88	5.4	17	27	3	47	4.8	16	29	32	1830	70	28
Africa	967	2.4	82	4.9	16	26	3	45	4	28	22	28	2430	74	36
Northern Africa	197	1.9	45	3	11	22	5	38	0.3	50	44	19	4760	83	66
Western Africa	291	2.6	96	5.7	17	27	3	47	2.5	13	8	28	1480	63	24
Eastern Africa	301	2.5	81	5.4	17	27	3	47	5.8	20	34	28	940	79	25
Burundi	8.9	3	107	6.8	18	27	3	48	2	10	-	39	330	75	-
Comoros	0.7	2.8	69	4.9	16	26	3	45	<0.1	19	56	25	1150	55	-
Djibouti	0.8	1.8	67	4.2	13	25	3	41	3.1	17	-	29	2260	34	22
Eritrea	5	3	59	5.3	17	26	2	45	1.3	5	25	40	400	47	25
<b>Ethiopia</b>	<b>79.1</b>	<b>2.5</b>	<b>77</b>	<b>5.3</b>	<b>17</b>	<b>28</b>	<b>3</b>	<b>48</b>	<b>2.1</b>	<b>14</b>	<b>35</b>	<b>38</b>	<b>780</b>	<b>65</b>	<b>24</b>
Kenya	38	2.8	77	4.9	17	26	3	46	7.8	32	45	20	1540	76	42
Madagascar	18.9	2.8	75	5	17	27	3	47	0.1	17	16	42	920	96	17
Malawi	13.6	3.2	80	6.3	18	29	3	50	11.9	39	40	19	750	91	24
Mauritius	1.3	0.7	15	1.7	8	17	7	32	1.7	42	-	-	11390	95	82
Mayotte	0.2	3.6		4.5			2	2			-	-			

Cont. ...



Cont. ....

	Projected population mid-2008 (millions)	RNI	IMR	TFR	% of population by age group				% of pop. 15-49 with HIV/AIDS 2005/2006	% of married women using contraceptive		% of children age 5 under weight	GNIPPP per Capita (US\$) 2006	Net School Enrollment (percent of children enrolled)	
					Age <5	Age 5-14	65+	Total		All Methods	Modern Methods			Pri- mary	Secondary
Mozambique	20.4	2.1	108	5.4	18	27	3	48	12.5	12	20	24	690	76	4
Reunion	0.8	1.3	8	2.5	9	17	7	33	-	64	-	-	-	-	-
Rwanda	9.6	2.7	86	6	17	27	3	47	2.8	10	40	23	860	79	-
Seychelles	0.1	1	11	2.2	8	18	8	34	-	-	-	-	8670	99	93
Somalia	9	2.7	117	6.7	18	26	3	47	0.05	1	-	36	-	-	-
Tanzania	40.2	2.3	75	5.3	18	27	3	48	6.2	20	24	22	1200	98	-
Uganda	29.2	3.1	76	6.7	20	30	3	53	5.4	18	46	20	920	-	15
Zambia	12.2	2.1	100	5.5	17	28	3	48	15.2	23	40	20	1220	92	28
Zimbabwe	13.5	1.1	60	3.8	13	27	4	44	15.3	58	33	17	-	88	37
Middle Africa	122	2.8	97	6.1	18	27	3	48	2.5	7	-	37	1550	-	-
Southern Africa	55	0.8	78	2.8	11	22	4	37	18.5	58	53	-	9140	90	59

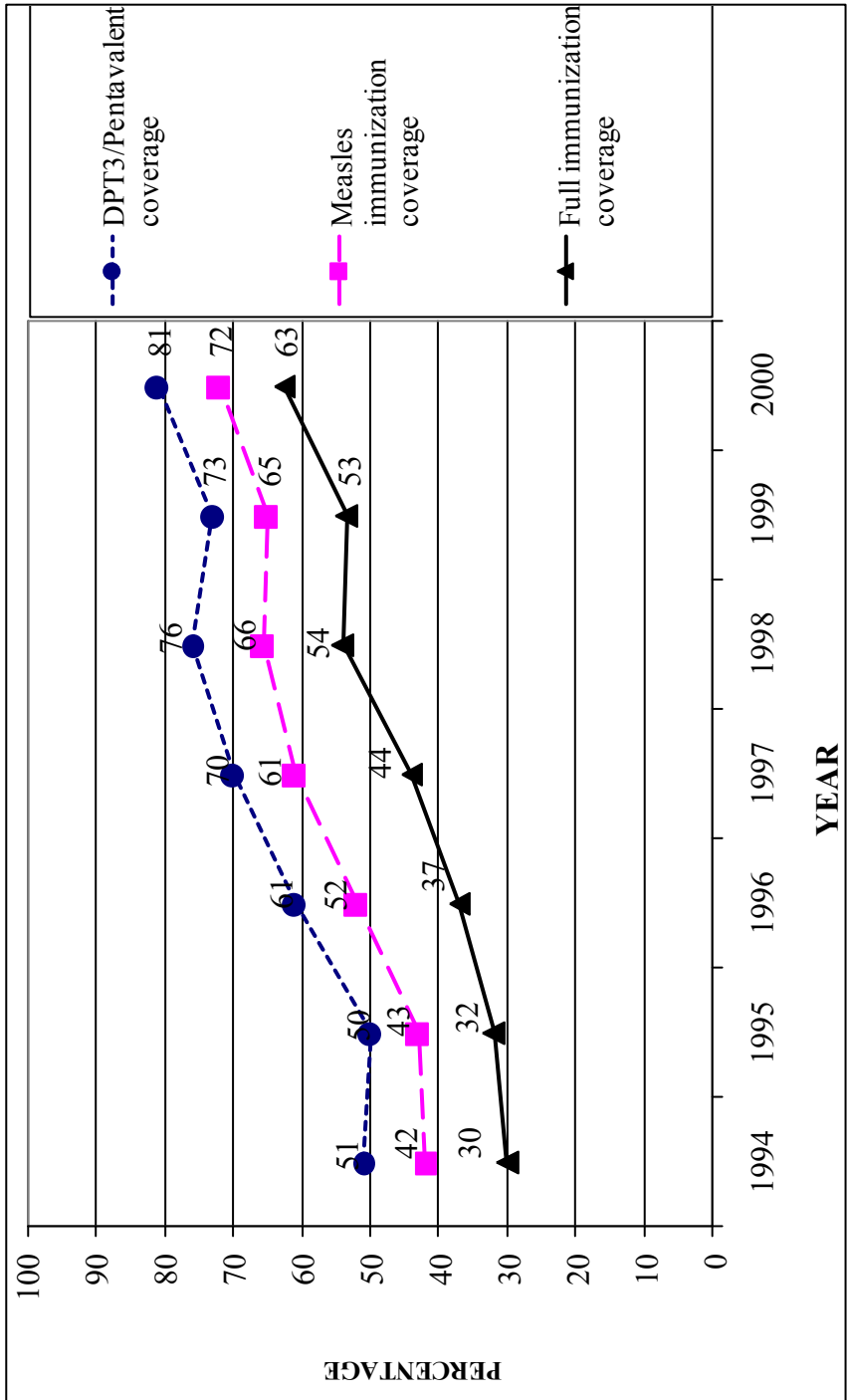
Source:- African Population & Health Research Center,2008

## 5. MATERNAL AND CHILD HEALTH SERVICE

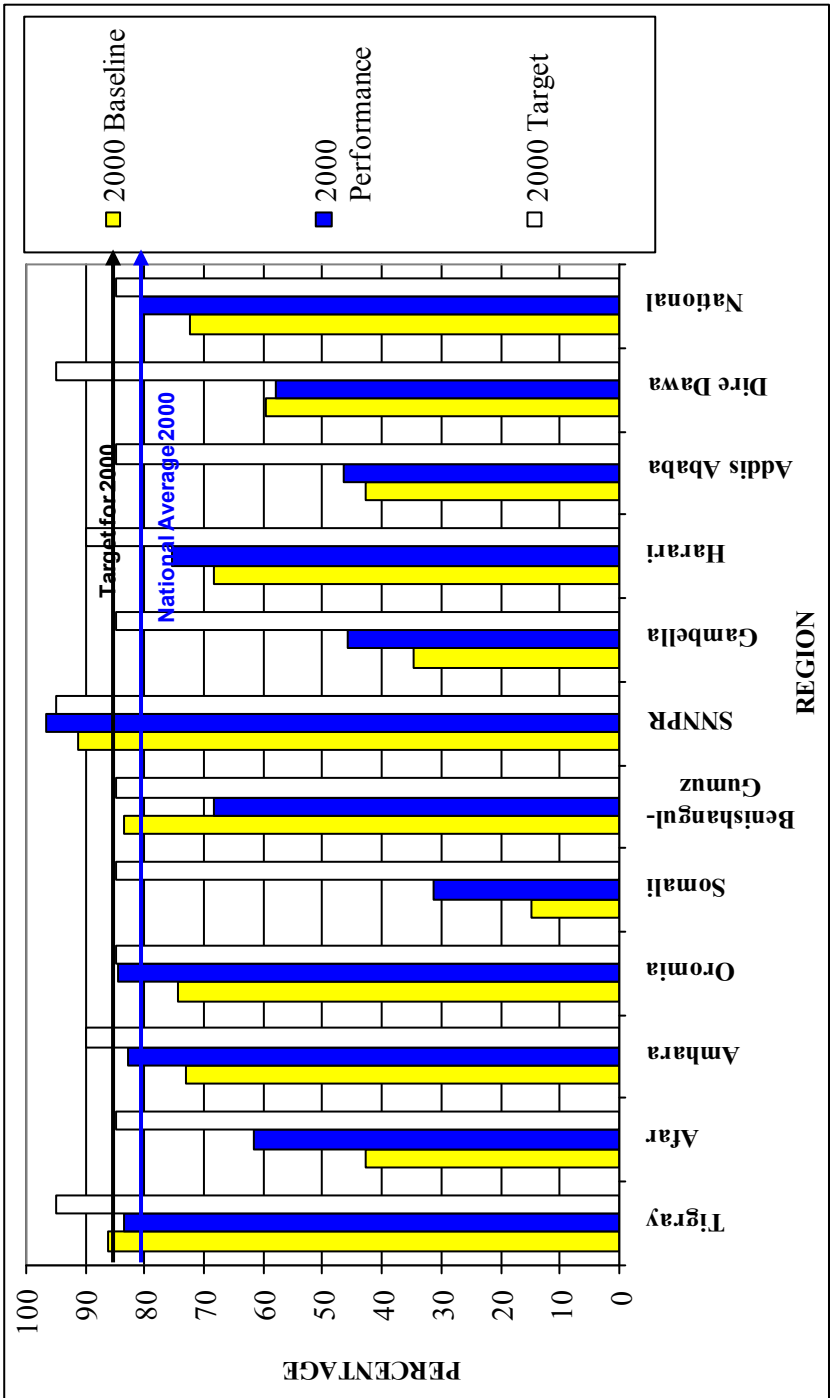
### 5.1 IMMUNIZATION COVERAGE BY ANTIGEN (ETHIOPIA, 2000)

Region	Population	Live births	Surviving infants	Pentavalent3		Measles immunization coverage (under 1y.)		Full immunization coverage (under 1y.)	
				Achieved	Cov.	Achieved	Cov.	Achieved	Cov.
Tigray	4,565,000	170,275	158,862	133,423	84.0	125,487	78.9	117,517	74.0
Afar	1,449,000	54,048	50,715	31,298	61.7	25,560	50.4	21,387	42.2
Amhara	20,136,000	751,073	680,598	564,163	82.9	493,094	72.5	414,569	60.9
Oromia	28,067,000	1,046,899	967,329	818,236	84.6	711,813	73.6	584,320	60.4
Somali	4,560,000	170,088	160,398	49,901	31.1	42,015	26.2	37,289	23.2
Ben-Gumuz	656,000	24,469	22,435	15,331	68.3	12,426	55.4	11,439	51.0
SNNPR	15,745,000	587,289	537,361	519,418	96.7	490,636	91.3	456,368	84.9
Gambella	259,000	9,661	8,772	4,015	45.8	3,709	42.3	2,254	25.7
Harari	209,000	4,891	6,965	5,261	75.5	5,261	75.5	5,261	75.5
Addis Ababa	3,147,000	73,640	107,297	49,799	46.4	42,719	39.8	42,365	39.5
Dire Dawa	428,000	9,997	14,290	8,279	57.9	6,962	48.7	6,312	44.2
<b>National</b>	<b>79,221,000</b>	<b>2,902,330</b>	<b>2,715,022</b>	<b>2,199,124</b>	<b>81.0</b>	<b>1,959,682</b>	<b>72.2</b>	<b>1,699,081</b>	<b>62.6</b>

**FIG 1. TREND IN DPT3/ PENTAVALENT3, MEASLES AND FULLY IMMUNIZATION COVERAGE (ETHIOPIA, 1994-2000)**



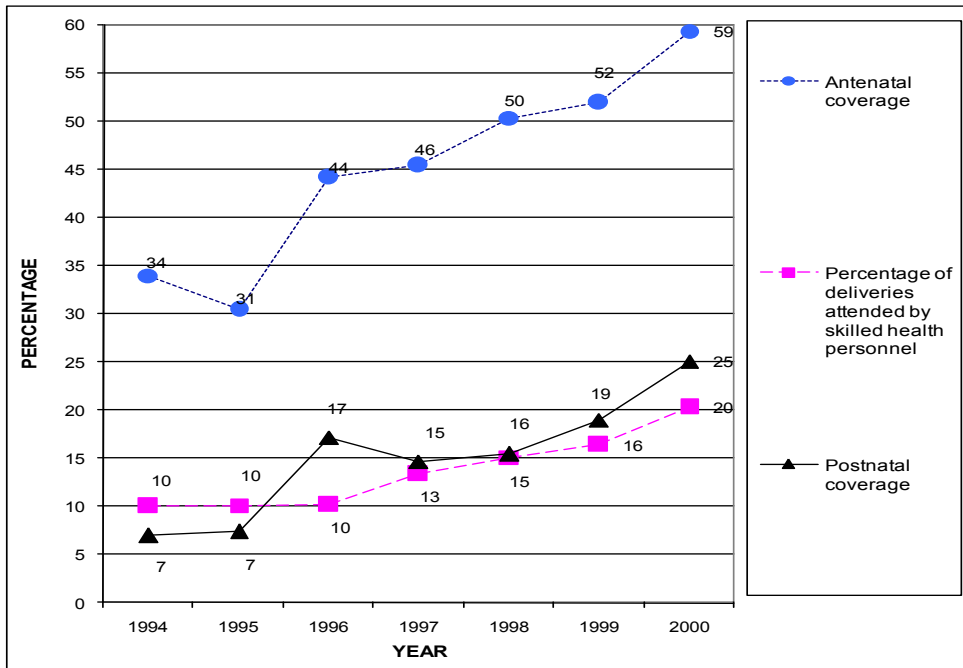
**FIG 2. COMPARISON OF BASELINE, TARGET AND ACHIEVEMENT OF PENTA VALENT3 COVERAGE BY REGION (ETHIOPIA, 2000)**



## 5.2 MATERNAL HEALTH SERVICE COVERAGE BY REGION, (ETHIOPIA, 2000)

Regions	Total number of expected pregnancies	Antenatal care coverage		Proportion of deliveries attended by skilled health personnel		Postnatal care coverage		Family planning		
		Achieved	Cov.	Achieved	Cov.	Achieved	Cov.	Number of non pregnant women of reproductive age (15-49 years)	Number of new and repeat acceptors	Cov.
Tigray	170,275	136,817	80.4	19,914	11.70	63,751	37.4	871,915	487,483	55.9
Afar	54,048	26,481	49.0	12,843	23.76	5,564	10.3	275,600	56,375	20.5
Amhara	751,073	414,893	55.2	125,274	16.68	209,506	27.9	3,916,452	2,237,068	57.1
Oromia	1,046,899	534,749	51.1	174,794	16.70	175,698	16.8	5,372,024	2,087,715	38.9
Somali	170,088	18,541	10.9	13,841	8.14	5,452	3.21	888,744	30,015	3.4
Ben-Gumuz	24,469	10,350	42.3	2,966	12.12	875	3.58	133,168	38,724	29.1
SNNPR	587,289	501,496	85.4	199,186	33.92	236,788	40.3	3,076,573	2,621,940	85.2
Gambella	9,661	3,539	36.6	591	6.12	1,000	10.4	60,398	8,560	14.2
Harari	4,891	4,167	85.2	3,088	63.14	2,084	42.6	47,944	17,124	35.7
Addis Ababa	73,640	67,010	91.0	32,072	43.55	25,088	34.1	1,011,131	353,652	35.0
Dire Dawa	9,997	6,225	62.3	4,442	44.43	1,896	19.0	100,824	71,974	71.4
<b>Total</b>	<b>2,902,330</b>	<b>1,724,268</b>	<b>59.4</b>	<b>589,011</b>	<b>20.3</b>	<b>727,702</b>	<b>25.1</b>	<b>15,754,773</b>	<b>8,010,630</b>	<b>50.9</b>

**FIG 3. TREND IN MCH SERVICE COVERAGE : ANC COVERAGE, PERCENTAGE OF DELIVERIES ATTENDED BY SKILLED HEALTH PERSONNEL AND POSTNATAL COVERAGE (ETHIOPIA, 1994-2000)**



**5.3 NUMBER OF HEALTH CENTERS PROVIDING IMNCI (ETHIOPIA ,2000)**

Regions	Baseline	Total number planned	No of HC providing IMNCI
Tigray	10	40	40
Afar	6	14	14
Amhara	113	155	125
Oromia	96	192	166
Somali	0	14	9
Ben-Gumuz	0	14	14
SNNPR	42	161	140
Gambella	0	8	3
Harari	1	2	2
Addis Ababa	29	29	29
Dire Dawa	6	6	6
<b>Total</b>	<b>303</b>	<b>635</b>	<b>548</b>

## 5.4 AMOUNT OF CONTRACEPTIVES DISTRIBUTED BY TYPE OF CONTRACEPTIVE METHOD (ETHIOPIA, 2000)

### 5.4.1 DISTRIBUTION OF CONTRACEPTIVES BY FMOH & NGO

Contraceptive by type	Unit	MOH	DKT	Pathfinder International	FGAE	Total	CYP	%CYP
Microgynon	cycle	545,400	566,333	5,199	142,928	1,178,860	78,984	2.5
Rosel blue lady	cycle				96,783	96,783	6,484	0.2
Excluton	cycle				4,604	4,604	308	0.0
Nordette	cycle				3,232	3,232	217	0.0
ORAL-CON	cycle		3,029,304		9,934	3,039,238	203,629	6.1
LO-FEMENAL	cycle			2,698,848	35,394	2,734,242	183,194	5.5
postioner	cycle				21,260	21,260	1,424	0.0
Hyan	cycle		172,155			172,155	11,534	0.3
Trigestrel	cycle		811			811	54	0.0
Overitte	cycle			199,943		199,943	13,396	0.4
<b>Total pills</b>		<b>545,400</b>	<b>3,768,603</b>	<b>2,903,990</b>	<b>314,135</b>	<b>7,532,128</b>	<b>504,653</b>	
Depo-Provera	vial	342,000		1,942,761	138,038	2,422,799	605,700	18.3
Norestrat	vial				1,125	1,125	281	0.0
Confidence	vial		1,854,067		0	1,854,067	463,517	14.0
Megestron	vial	244,940		993,200		1,238,140	309,535	9.3
<b>Total Inject able</b>		<b>586,940</b>	<b>1,854,067</b>	<b>2,935,961</b>	<b>139,163</b>	<b>5,516,131</b>	<b>1,379,033</b>	
Implant	Pcs	88,856		4,396	121	93,073	325,756	9.8
Norplant	set			18,835	227	19,062	66,717	2.0
Jadelle	Pcs	34,828		19,040	849	54,717	191,510	5.8
IUD	Pcs	10,050	5,308	10,500		25,858	90,503	2.7
Cu-T380				4,565	2,051	6,616	23,156	0.7
<b>Total Implant</b>		<b>133,734</b>	<b>5,308</b>	<b>57,336</b>	<b>3,248</b>	<b>199,326</b>	<b>697,641</b>	
Male Condom	Pcs	144,000	62,577,530	5,850,606	2,104,604	70,676,740	565,414	17.1
Female condom	Pcs		14,982	2,244	4,933	22,159	177	0.0
<b>Total Condom</b>		<b>144,000</b>	<b>62,592,512</b>	<b>5,852,850</b>	<b>2,109,537</b>	<b>70,698,899</b>	<b>565,591</b>	
Emergency OC	Pcs		9,810			9,810	1,090	0.0
MVA	Pcs		2,501			2,501	167,567	5.1
Foam Tablet	Pcs			191,150	12	191,162		
Misoprostol			65,370			65,370		
<b>CYP%</b>		<b>19.7</b>	<b>42.3</b>	<b>35.5</b>	<b>2.5</b>		<b>3,316,625</b>	<b>100.0</b>

## 5.4.2 DISTRIBUTION OF CONTRACEPTIVES BY FMOH TO REGIONS (ETHIOPIA, 2000)

Regions	Implant	Depo-Provera	IUD	Megestron	Microgynon	Condom	Jadelle
Tigray	10,784	0	1,300	0	11,150	0	1050
Afar	576	0	0	0	2,210	0	0
Amhara	20,856	80,000	4,000	0	114,110	144,000	4,560
Oromia	21,568	115,000	0	244,940	369,710	0	7,870
Somali	320	7,000	0	0	2,210	0	0
Ben-Gumuz	3,072	15000	1,100	0	18,050	0	0
SNNPR	1,472	0	0	0	0	0	3,460
Gambela	0	0	0	0	2,210	0	0
Harari	3,136	8,000	0	0	3,750	0	0
Addis Ababa	1,984	87,000	1,300	0	9,610	0	2,225
Dire Dawa	768	0	0	0	0	0	0
Police	0	2,000	200	0	1,440	0	0
Defence	0	1000	0	0	1440	0	0
NGO	24,064	20,000	750	0	9,510	0	15,568
Central	0	2,000	1000	0	0	0	60
Black Llion	256	5,000	400	0	0	0	35
<b>Total</b>	<b>88,856</b>	<b>342,000</b>	<b>10,050</b>	<b>244,940</b>	<b>545,400</b>	<b>144,000</b>	<b>34,828</b>



## 6. HYGIENE & ENVIRONMENTAL HEALTH SERVICES

### 6.1 HYGIENE & ENVIRONMENTAL HEALTH PROFILE BY REGIONS (ETHIOPIA, 2000)

Region	Access to Safe Water			Access to Excreta Disposal		
	Urban%	Rural%	%	No of households	No. of household with latrine	% coverage
Tigray	72	56	59.1	1,008,046	407,314	40
Afar	77.4	53.1	55.4	359,753	12,125	3
Amhara	87.8	49	53.7	4,615,338	1,326,455	29
Oromia	97.9	52	58.3	6,355,620	2,250,720	35
Somali	61.6	32.9	37.9	666,538	67,965	10
Ben.-Gumuz	93.1	44.3	49.3	159,771	25,721	16
SNNPR	72.1	63	63.6	3,237,367	1,780,539	55
Gambella	98.6	43.9	54.7	69,632	1,854	3
Harari	27.5	41	32.5	49,950	15,082	30
Addis Ababa	95		95	-		
Dire Dawa	72	75.8	73	94,682	31,962	34
<b>National</b>	<b>86.2</b>	<b>53.9</b>	<b>59.5</b>	<b>16,616,696</b>	<b>5,919,737</b>	<b>37</b>

Source for access to safe water is Ministry of Water Resource

Note: water supply access is calculated based on the provision of 20 liter/capita/day for urban, and also 15l/c/d for rural at radius of 0.5 kilometer, respectively

## 7.HEALTH INFRASTRUCTURE

### 7.1 POTENTIAL HEALTH SERVICE COVERAGE (ETHIOPIA, 2000)

Regions	Population	Health Center	NHC+HS	Health post	Private clinic not for profit	Private clinic for profit	Potential Health Service Coverage %		
							HC&NHS	HC, NHS, HP	HC, NHS, Hp & non profit PC
Tigray	4,565,000	40	57	614	20	17	73.6	140.9	143.0
Afar	1,449,000	14	18	112	5	9	30.4	101.4	101.6
Amhara	20,136,000	171	460	2,664	14	389	34.0	99.1	99.4
Oromia	28,067,000	242	661	3,758	117	633	33.3	74.6	82.1
Somali	4,560,000	21	82	290	0	2	20.5	50.1	50.1
Ben-Gumuz	656,000	17	11	166	13	15	65.5	140.2	150.2
SNNPR	15,745,000	181	194	3,729	78	217	34.3	124.7	127.2
Gambella	259,000	9	27	51	9	21	129.3	193.1	210.4
Harari	209,000	3	0	23	10	22	35.9	81.3	105.3
Addis Ababa	3,147,000	28	7	-	0	442	23.4	28.9	28.9
Dire Dawa	428,000	6	0	39	5	21	35.0	79.4	85.3
<b>National</b>	<b>79,221,000</b>	<b>732</b>	<b>1,517</b>	<b>11,446</b>	<b>271</b>	<b>1,788</b>	<b>35.3</b>	<b>89.6</b>	<b>91.3</b>

## 7.2 DISTRIBUTION OF HEALTH INFRASTRUCTURE (ETHIOPIA, 2000)

Regions	Hospital			Health Center				NHC+HS	Health Post	Private clinic not for profit	
	MOH	Other*	Total	Beds	MOH	Other**	Total				Beds
Tigray	12	3	15	1,470	40	0	40	372	57	614	20
Afar	2	0	2	122	14	0	14	NA	18	112	5
Amhara	16	4	20	1,676	171	0	171	458	460	2,664	14
Oromia	23	8	31	3,513	242	0	242	NA	661	3,758	117
Somali	6	2	8	436	21	0	21	276	82	290	0
Ben-Gumuz	2	0	2	206	15	2	17	150	11	166	13
SNNPR	14	6	20	1,285	177	4	181	NA	194	3,729	78
Gambella	1	0	1	90	8	1	9	70	27	51	9
Harari	2	2	4	710	3	0	3	30	0	23	10
Addis Ababa	5	28	33	927	24	4	28	NA	7	-	0
Dire Dawa	1	2	3	250	6	0	6	75	0	39	5
Central	4	6	10	2,460	0	0	0	0	0	0	0
<b>National</b>	<b>88</b>	<b>61</b>	<b>149</b>	<b>13,145</b>	<b>721</b>	<b>11</b>	<b>732</b>	<b>1,431</b>	<b>1,517</b>	<b>11,446</b>	<b>271</b>

\* Includes Private NGO & OGA Hospitals

\*\* Refers to NGO Health Centers

### 7.3 DISTRIBUTION OF HOSPITALS BY TYPE AND OWNERSHIP (ETHIOPIA, 2000)

Regions	Hospitals							
	MOH				Others			Total
	Zonal	District	Specialized		OGA	NGO	Private	
			MOH	OGA				
Tigray	5	6	1	0	0	0	3	15
Afar	1	1	0	0	0	0	0	2
Amhara	4	10	2	1	0	0	3	20
Oromia	10	12	1	0	5	3	0	31
Somali	3	3	0	0	0	0	2	8
Ben-Gumz	1	1	0	0	0	0	0	2
SNNPR	7	6	1	0	0	4	2	20
Gambella	1	0	0	0	0	0	0	1
Hararie	2	0	0	0	2	0	0	4
Addis Ababa	5	0	0	0	0	0	28	33
Diredawa	0	1	0	0	0	0	2	3
Central	0	0	4	4	0	2	0	10
<b>Total</b>	<b>39</b>	<b>40</b>	<b>9</b>	<b>5</b>	<b>7</b>	<b>9</b>	<b>40</b>	<b>149</b>

### 7.4 DISTRIBUTION OF PRIVATE OWNED CLINICS BY TYPE AND REGION (ETHIOPIA, 2000)

Region	Types of Clinics				
	Lower	Medium	Higher	Special	Total
Tigray	0	0	0	17	17
Afar	0	0	5	4	9
Amhara	9	8	66	306	389
Oromia	7	23	84	519	633
Somali	0	0	2	0	2
Ben-Gumuz	0	0	11	4	15
SNNP	2	10	30	175	217
Gambella	0	0	3	18	21
Harari	0	1	17	4	22
Addis Ababa	94	99	146	103	442
Dire Dawa	2	7	7	5	21
<b>National</b>	<b>114</b>	<b>148</b>	<b>371</b>	<b>1,155</b>	<b>1,788</b>

## 7.5 DISTRIBUTION OF PHARMACEUTICAL RETAIL OUTLETS BY REGION & OWNERSHIP (ETHIOPIA, 2000)

Region	Pharmacy				Drug Store			Rural drug vendors	Importer	Whole seller	Manufacturer
	Public	NGO	OGA	Private	OGA	NGO	Private				
Tigray	0	0	0	8	0	0	103	191	0	6	1
Afar	0	0	0	0	0	0	9	36	0	0	0
Amhara	20	0	0	17	0	0	86	151	0	14	0
Oromia	NA	NA	NA	NA	NA	NA	NA	NA	0	18	1
Somali	3	0	0	0	5	1	0	69	0	0	0
Ben-Gumuz	0	0	0	0	0	0	8	42	0	0	0
SNNPR	0	2	6	12	4	1	43	368	0	10	0
Gambella	0	0	0	7	0	0	3	17	0	0	0
Harari	0	0	0	4	1	0	13	3	0	1	0
Dire Dawa	0	1	0	3	1	1	14	3	0	5	0
Addis Ababa	15	3	0	135	0	0	83	0	53	39	12
<b>Total</b>	<b>38</b>	<b>6</b>	<b>6</b>	<b>178</b>	<b>11</b>	<b>3</b>	<b>259</b>	<b>689</b>	<b>53</b>	<b>87</b>	<b>13</b>

## 7.6 HEALTH FACILITY CONSTRUCTION, REHABILITATION & EXPANSION (ETHIOPIA, 2000)

Regions	Hospitals					HCs		HP
	New	Ongoing	Rehabilitation	Expansion	Upgrade	Under construction by MOH	Matching HC under construction by Region	
Tigray	-	1	-	2	1	25	7	0
Afar	1	1	-	1	-	9	0	10
Amahara	3	0	4	6	0	88	170	88
Oromia	1	19	-	5	0	136	147	1758
Somali	1	0	2	0	0	10	6	30
Ben-gumuz	0	0	0	0	0	10	2	204
SNNPR	0	0	0	0	0	66	162	0
Gambella	0	0	0	0	0	0	4	10
Harari	0	0	0	0	0	5	0	0
Dire Dawa	0	0	0		0	6	1	0
Addis Ababa	0	0	0	0	0	-	-	-
<b>National</b>	<b>6</b>	<b>21</b>	<b>7</b>	<b>15</b>	<b>1</b>	<b>355</b>	<b>499</b>	<b>2,100</b>

## 8. HUMAN RESOURCES

### 8.1 HUMAN RESOURCE DISTRIBUTION BY REGION (ETHIOPIA, 2000)

Profession	Tig.	Afar	Amh	Orom.	Soma.	Ben	SNNPR	Gamb.	Har.	AA	DD	Central	NGO	OGA	Private*	Total%
Physicians	74	12	148	268	73	6	147	5	40	124	27	181	21	435	503	2,085
Female	3	0	19	NA	2	0	NA	0	15	30	3	37	3	61	62	11%
Health Officers	147	29	259	384	53	20	178	20	14	43	14	16	8	27	30	1,242
Female	36	0	60	NA	7	2	NA	2	2	13	5	8	1	6	2	12%
Pharmacists	7	3	110	126	13	3	23	3	2	3	10	68	0	14	28	413
Female	2	0	36	NA	1	0	NA	0	0	1	3	16	0	3	5	16%
Nurses	2,525	184	3,137	1,688	642	581	4,383	180	266	1,366	178	447	186	568	434	16,765
Female	1,466	0	1,159	NA	193	257	NA	20	126	1,044	96	297	112	354	310	32%
Env. Health W.	119	20	427	663	0	33	256	24	11	12	16	50	0	19	7	1,657
Female	24	0	90	NA	0	3	NA	1	2	2	2	6	0	4	0	8%
Lab. Tech.	205	62	514	806	130	23	431	18	4	118	32	129	19	77	275	2,843
Female	79	0	171	NA	15	3	0	1	1	41	10	34	6	20	53	15%
Radiographer	12	0	21	46	4	4	18	0	9	29	5	16	1	16	36	217
Female	3	0	1	NA	0	0	0	0	2	3	1	2	1	4	5	10%
Pharmacy Tech.	265	34	954	415	36	12	1,065	11	16	88	16	49	7	25	20	3,013
Female	82	0	339	NA	7	2	NA	1	3	36	1	14	4	9	7	17%
Health Assistant	397	39	526	176	98	2	50	23	25	79	17	41	29	210	428	2,140
Female	265	0	144	NA	15	0	NA	2	16	51	5	22	15	77	110	34%
Health Extension Worker	1,235	228	6,630	8,437	555	206	7,115	47	39	0	79	0	0	0	0	24,571
Female	1,235	66	6,630	8,437	137	206	7,115	47	39	0	79	0	0	0	0	98%
<b>Total</b>	<b>4,986</b>	<b>611</b>	<b>12,726</b>	<b>13,009</b>	<b>1,604</b>	<b>890</b>	<b>13,666</b>	<b>315</b>	<b>426</b>	<b>1,862</b>	<b>394</b>	<b>997</b>	<b>271</b>	<b>1,391</b>	<b>1,761</b>	<b>54,946</b>
<b>Female</b>	<b>3,195</b>	<b>66</b>	<b>8,649</b>	<b>NA</b>	<b>377</b>	<b>473</b>	<b>NA</b>	<b>58</b>	<b>206</b>	<b>1,221</b>	<b>205</b>	<b>436</b>	<b>142</b>	<b>538</b>	<b>554</b>	<b>59%</b>

\* Data is available only for Addis Ababa, Dire Dawa & Harari region, (Health Professionals working under private Health Facilities)

## 8.2 DISTRIBUTION OF PHYSICIANS BY SPECIALIZATION AND REGION (ETHIOPIA, 2000)

Region	Tig	Afar	Amh	Orom	Som	Ben	SNNP	Gam	Har	AA	DD	Cent	NGO	OGA	Private*	Total
<b>Total</b>	72	12	151	268	73	6	150	5	41	133	27	182	27	435	503	2,085
Total specialists	32	2	79	52	16	0	49	2	18	69	11	102	10	380	246	1,068
Internist	7	0	3		1	0	0	0	1	6	1	5	0	50	45	119
Surgeon	8	2	9		3	0	8	1	3	16	2	13	0	47	24	136
Pediatrician	1	0	6		2	0	0	0	1	8	2	3	0	25	29	77
Gynecologist	3	0	11		2	0	6	1	3	13	3	3	0	27	39	111
Ophthalmologist	1	0	7	4	2	0	4	0	1	12	1	7	7	15	19	80
Orthopedist	1	0	3		2	0	0	0	1	0	1	1	0	9	2	20
ENT Specialist	1	0	1		0	0	0	0	0	3	0	2	1	2	3	13
Anesthesiologist	0	0	3		0	0	7	0	1	2	0	1	0	6	4	24
Dentist	0	0	3		0	0	3	0	1	1	0	1	0	0	54	63
Radiologist	2	0	2	5	0	0	2	0	1	2	0	2	1	9	11	37
Physiotherapist	5	0	3	14	2	0	0	0	1	4	0	2	0	27	2	60
Neurologist	0	0	1		0	0	0	0	0	0	0	1	0	5	0	7
Public Health Specialist	2	0	24	22	1	0	18	0	3	1	1	34	1	46	4	157
Dermatologist	0	0	2		1	0	0	0	0	0	0	1	0	12	7	23
Psychiatrist	1	0	0		0	0	0	0	0	0	0	13	0	8	1	23
Microbiologist	0	0	0		0	0	0	0	1	0	0	9	0	27	0	37
Biochemist	0	0	1		0	0	0	0	0	0	0	0	0	14	0	15
Pharmacologist	0	0	0		0	0	0	0	0	0	0	0	0	11	0	11
Physiologist	0	0	0		0	0	1	0	0	0	0	4	0	13	0	18
Pathologist	0	0	0		0	0	0	0	0	0	0	0	0	12	2	14
Anatomist	0	0	0		0	0	0	0	0	1	0	0	0	15	0	16
<b>General Practitioners</b>	40	10	72	216	57	6	101	3	23	64	16	80	17	55	257	1,017

\* Data is available only for Addis Ababa, Harari & DireDawa Regions. (Health Professionals working under private health facilities)

### 8.3 DISTRIBUTION OF NURSES BY SPECIALTY, REGION AND SEX (ETHIOPIA, 2000)

Regions	Nurse BSC		Mid wife Nurse		Psychiatric Nurse		Anesthetic Nurse		Clinical Nurse		Public Health Nurse		Other Nurse *		Total	
	BS	F	BS	F	BS	F	BS	F	BS	F	BS	F	BS	F	BS	F
	Tigray	32	12	171	155	8	2	1	0	2,207	1,262	17	8	89	27	2,525
Afar	21	0	24	0	0	0	0	0	116	0	23	0	0	0	184	0
Amahara	147	44	146	87	10	3	17	8	2,679	948	105	60	33	9	3,137	1,159
Oromia	360	NA	25	NA	NA	NA	15	NA	1,288	NA	NA	NA	0	0	1,688	NA
Somali	45	10	65	56	1	0	4	0	480	121	24	0	23	6	642	193
Ben-Gumuz	11	2	21	20	5	0	7	2	450	175	70	55	17	3	581	257
SNNPR	86	NA	370	NA	12	NA	5	NA	3,086	NA	815	NA	9	NA	4,383	NA
Gambella	12	1	11	2	1	1	1	1	144	4	9	0	2	1	180	10
Harari	4	1	37	20	2	1	0	0	217	102	2	0	4	2	266	126
Addis Ababa	13	8	146	109	4	2	30	17	1,108	863	25	14	40	31	1,366	1,044
Dire Dawa	30	14	17	12	5	1	3	1	104	60	14	5	5	3	178	96
Central	49	23	17	14	59	28	13	5	232	179	1	1	76	47	447	297
NGO	0	0	159	92	0	0	0	0	26	20	0	0	1	0	186	112
OGA	35	16	23	15	11	6	21	10	431	271	2	2	45	34	568	354
Private**	3	2	12	11	0	0	8	5	388	284	0	0	23	8	434	310
<b>G.Total</b>	<b>848</b>	<b>133</b>	<b>1,244</b>	<b>593</b>	<b>118</b>	<b>44</b>	<b>125</b>	<b>49</b>	<b>12,956</b>	<b>4,289</b>	<b>1,107</b>	<b>145</b>	<b>367</b>	<b>171</b>	<b>16,765</b>	<b>5,424</b>
<b>National %(F)</b>		<b>15.7</b>		<b>47.7</b>		<b>37.3</b>		<b>39.2</b>		<b>33.1</b>		<b>13.1</b>		<b>46.6</b>		<b>32.4</b>

\* Includes , Ophthalmic, OR, Dental & Pediatric Nurses

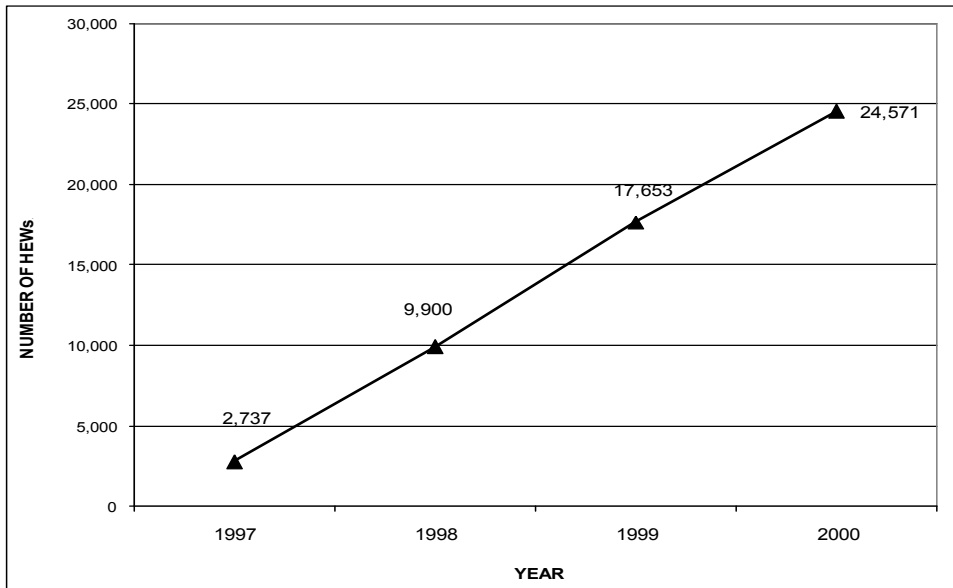
\*\* Data is available only for Addis Ababa,DD and Harari region. (Health Professionals working under private Health Facilities)



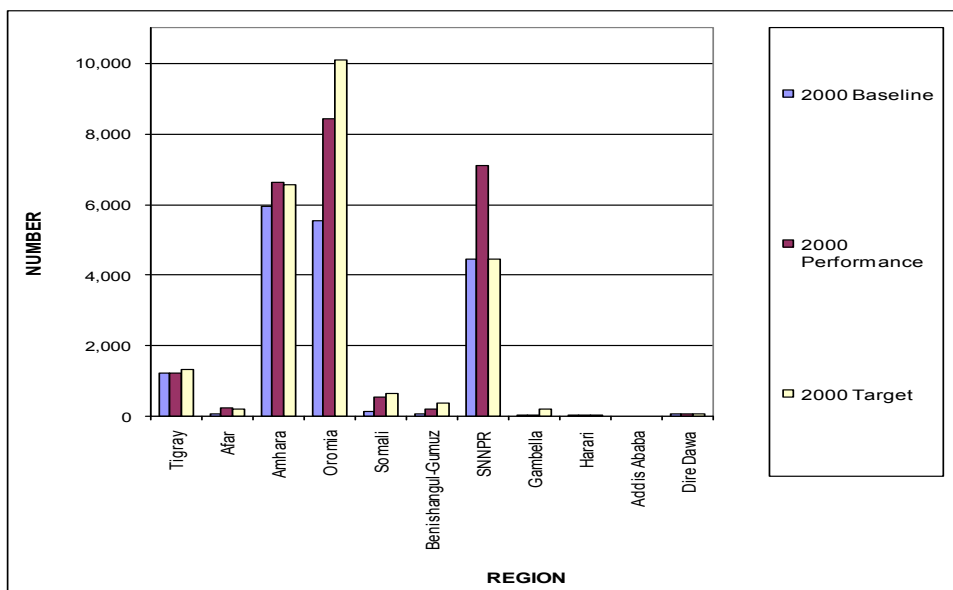
## 8.4 HEALTH PROFESSIONALS TO POPULATION RATIO BY REGION (ETHIOPIA, 2000)

Regions	Population	Physician	Ratio	Health officer	Ratio	Nurse	Ratio	Health extension worker	Ratio	Environmental health worker	Ratio
Tigray	4,565,000	72	63,403	147	31,054	2,525	1,808	1,235	3,696	119	38,361
Afar	1,449,000	12	120,750	29	49,966	184	7,875	228	6,355	20	72,450
Amahara	20,136,000	151	133,351	259	77,745	3,137	6,419	6,630	3,037	427	47,157
Oromia	28,067,000	268	104,728	384	73,091	1,688	16,627	8,437	3,327	663	42,333
Somali	4,560,000	73	62,466	53	86,038	642	7,103	555	8,126	-	-
Ben-Gumuz	656,000	6	109,333	20	32,800	581	1,129	206	3,184	33	19,879
SNNPR	15,745,000	150	104,967	178	88,455	4,383	3,592	7,115	2,213	256	61,504
Gambella	259,000	5	51,800	20	12,950	180	1,439	47	5,511	24	10,792
Harari	209,000	41	5,098	14	14,929	266	786	39	5,359	11	19,000
Addis Ababa	3,147,000	133	23,662	43	73,186	1,366	2,304	-	-	12	262,250
Dire Dawa	428,000	27	15,852	14	30,571	178	2,404	79	5,418	16	26,750
Central		182		16		447		-		50	
NGO		21		8		186		-		-	
OGA		435		27		568		-		19	
Private		503		30		434		-		7	
<b>Total</b>	<b>79,221,000</b>	<b>2,085</b>	<b>37,996</b>	<b>1,242</b>	<b>63,785</b>	<b>16,765</b>	<b>4,725</b>	<b>24,571</b>	<b>3,224</b>	<b>1,657</b>	<b>47,810</b>

**FIG 4. TREND IN NUMBER OF HEALTH EXTENSION WORKERS DEPLOYED (ETHIOPIA, 1997-2000)**



**FIG 5. NUMBER OF HEALTH EXTENSION WORKERS DEPLOYED BY REGION (ETHIOPIA, 2000 BASELINE, PERFORMANCE AND TARGET)**



## 9. BUDGET ALLOCATION & EXPENDITURE

### 9.1 RECURRENT HEALTH BUDGET ALLOCATION & EXPENDITURE BY REGION (ETHIOPIA ,2000)

Regions	Budget	Expenditure	% Expenditure
Tigray	126,431,567	122,880,000	97.2
Afar	35,010,000	28,320,000	80.9
Amhara	295,039,000	230,620,000	78.2
Oromia	404,816,000	284,660,000	70.3
Somali	70,551,000	42,540,000	60.3
Ben-Gumuz	28,633,000	25,850,000	90.3
SNNPR	401,070,000	354,620,000	88.4
Gambella	11,230,000	14,180,000	126.3
Harari	16,224,000	13,620,000	83.9
Addis Ababa	118,866,000	167,350,000	140.8
Dire Dawa	18,209,000	29,120,000	159.9
<b>Total</b>	<b>1,526,079,567</b>	<b>1,313,760,000</b>	<b>86.1</b>

### 9.2 CAPITAL HEALTH BUDGET ALLOCATION & EXPENDITURE BY REGION (ETHIOPIA,2000)

Regions	Budget	Expenditure	% expenditure
Tigray	24,405,000	6,770,000	27.7
Afar	13,801,000	12,850,000	93.1
Amhara	57,400,000	75,090,000	130.8
Oromia	238,320,000	246,500,000	103.4
Somali	56,660,000	60,620,000	107.0
Ben-Gumuz	2,224,000	1,480,000	66.5
SNNPR	48,840,000	40,530,000	83.0
Gambella	6,194,000	260,000	4.2
Harari	3,679,000	3,560,000	96.8
Addis Ababa	93,450,000	5,050,000	5.40
Dire Dawa	19,344,000	810,000	4.19
<b>National</b>	<b>564,317,000</b>	<b>453,520,000</b>	<b>80.4</b>

Source: Ministry of Finance and Economic Development

**Note:** There is over budget utilization in some regions this might be due to using contingency of the regional budget or the revision of the original budget.

### 9.3 PUBLIC HEALTH EXPENDITURE PER CAPITA BY REGION ( ETHIOPIA, 2000)

Regions	Population	Total budget	Total Expenditure	Per Capita Health Expenditure
Tigray	4,565,000	150,836,567	129,650,000	28.40
Afar	1,449,000	49,389,487	41,170,000	28.41
Amhara	20,136,000	357,681,000	305,710,000	15.18
Oromia	28,067,000	652,582,208	531,160,000	18.92
Somali	4,560,000	132,536,420	103,160,000	22.62
Ben-Gumuz	656,000	32,208,234	27,330,000	41.66
SNNPR	15,745,000	449,987,112	395,150,000	25.10
Gambella	259,000	17,820,862	14,440,000	55.75
Harari	209,000	19,902,800	17,180,000	82.20
Addis Ababa	3,147,000	213,945,396	172,400,000	54.78
Dire Dawa	428,000	37,868,813	29,930,000	69.93
<b>Total</b>	<b>79,221,000</b>	<b>2,114,758,899</b>	<b>1,767,280,000*</b>	<b>22.3</b>

Note: the above total budget and expenditure don't include FMOH; if we include FMOH, the per capita allocation is 28.5 ETB and per capita health expenditure is 23.1ETB

### 9.4 SHARE OF HEALTH BUDGET AS A PROPORTION OF TOTAL BUDGET(ETHIOPIA,2000)

Regions	Total regional budget (from all sources: treasury, assistance and loans) allocated to the health sector	Total regional budget (all sectors included)	Percentage of the total regional budget allocated to the health sector
Tigray	150,836,567	1,415,235,133	10.7
Afar	49,389,487	535,580,000	9.2
Amhara	357,681,000	3,877,921,600	9.2
Oromia	652,582,208	5,549,546,067	11.8
Somali	132,536,420	1,095,881,999	12.1
Ben-Gumuz	32,208,234	297,750,000	10.8
SNNPR	449,987,112	3,126,048,932	14.4
Gambella	17,820,862	205,953,979	8.7
Harari	19,902,800	164,078,000	12.1
Addis Ababa	213,945,396	6,562,203,257	3.3
Dire Dawa	37,868,813	306,338,372	12.4
<b>National</b>	<b>2,114,758,899</b>	<b>23,136,537,339</b>	<b>9.1</b>

Source: ministry of finance and economic development

**10. DISEASE STATISTICS**  
**10.1 OUTPATIENT VISIT PER CAPITA (ETHIOPIA, 2000)**

Region	Population	Total Outpatient visits	OPD Attendance per capita	Total Inpatient admissions	Admission rate per 1000
Tigray	4,565,000	2,739,978	0.60	36,944	8.1
Afar	1,449,000	199,724	0.13	2,108	1.5
Amhara	20,136,000	5,995,394	0.30	29,244	1.5
Oromia	28,067,000	5,673,194	0.20	202,107	7.2
Somali	4,560,000	469,571	0.10	11,319	2.5
Ben-Gumuz	656,000	259,680	0.40	8,884	13.5
SNINPR	15,745,000	1,953,937	0.12	55,486	3.5
Gambella	259,000	10,933	0.04	746	2.9
Harari	209,000	61,738	0.30	11,144	53.3
Addis Ababa	3,147,000	1,377,850	0.60	16,204	5.1
Dire Dawa	428,000	93,928	0.22	7,437	17.4
<b>Total</b>	<b>79,221,000</b>	<b>18,835,927</b>	<b>0.24</b>	<b>381,623</b>	<b>4.8</b>

## 10.2 TOP 10 LEADING CAUSES , 2000

### 10.2.1 TOP 10 LEADING CAUSES OF OUTPATIENT VISIT

#### Top 10 leading Causes of Outpatient Visits (ETHIOPIA, 2000) \*

Rank	Diagnosis	Cases	%
1	All types of malaria	806,562	12.0
2	Acute upper respiratory infection	460,635	6.8
3	Other helminthes	303,137	4.5
4	Gastritis and duodenitis	301,302	4.5
5	Bronchopneumonia	258,018	3.8
6	Primary atypical, other and unspecified pneumonia	213,848	3.2
7	Infections of skin and subcutaneous tissue	212,279	3.2
8	All other diseases of genitourinary system	175,313	2.6
9	Otitis media and mastoiditis	174,657	2.6
10	All other infective and parasitic diseases	168,247	2.5
Total of leading causes		3,073,998	45.7
Total of all causes		6,728,307	100

#### Top 10 leading Causes of Outpatient Visits for Females, 2000\*

Rank	Diagnosis	Cases	%
1	All types of malaria	377,281	11.3
2	Acute upper respiratory infection	214,254	6.4
3	Gastritis and duodenitis	148,303	4.5
4	Other helminthes	148,303	4.5
5	Otitis media and mastoiditis	130,964	3.9
6	Bronchopneumonia	125,026	7.8
7	All other diseases of genito –urinary system	116,889	3.5
8	Primary atypical, other and unspecified pneumonia	111,861	3.4
9	Infections of skin and subcutaneous tissue	94,734	2.8
10	All other infective and parasitic diseases	73,675	2.2
Total of leading causes		1,556,192	46.8
Total of all causes		3,325,011	100

#### Top 10 leading Causes of Outpatient Visits for Children <5y. 2000\*

Rank	Diagnosis	Cases	%
1	Primary atypical, other and unspecified pneumonia	56,611	10.9
2	Acute upper respiratory infection	52,597	10.1
3	Bronchopneumonia	50,068	9.6
4	Gastro– enteritis and colitis	44,558	8.6
5	Unspecified malaria	44,346	8.5
6	Otitis media and mastoiditis	25,286	4.9
7	Other helminthes	21,111	4.1
8	Hypertrophy of tonsils and adenoids	20,720	4.0
9	Infection of skin and subcutaneous tissue	16,083	3.1
10	Unspecified dysentery	15,980	3.1
Total of leading causes		347,360	66.9
Total of all causes		519,099	100

\* Data is not available from Amhara,

## 10.2.2 TOP 10 LEADING CAUSES OF ADMISSION

### Top 10 leading causes of admission, 2000\*

Rank	Diagnosis	Cases	%
1	Deliveries without mention of complication	22,458	9.5
2	All types of malaria	23,286	9.9
3	Bronchopneumonia	10,104	4.3
4	Tuberculosis of respiratory system	9,657	4.1
5	Primary atypical, other and unspecified pneumonia	8,152	3.5
6	Abortion without mention of sepsis or toxemia	5,968	2.5
7	Other complication of pregnancy, child birth and puerperium	5,783	2.5
8	Gastritis and duodenitis	5,328	2.3
9	Gastro-enteritis and colitis	4,707	2.0
10	All other accidental causes	4,206	1.8
Total of leading causes of admission		99,649	42.3
Total of all causes of admission		235,466	100.0

### Top 10 leading causes of admission for females, 2000\*

Rank	Diagnosis	Cases	%
1	Deliveries without mention of complication	22,458	18.5
2	All types of malaria	11,552	9.5
3	Abortion without mention of sepsis or toxemia	5,968	4.9
4	Other complication of pregnancy, child birth and puerperium	5,783	4.8
5	Tuberculosis of respiratory system	4,378	3.6
6	Primary atypical, other and unspecified pneumonia	3,528	2.9
7	Bronchopneumonia	3,222	2.7
8	Gastritis and duodenitis	3,002	2.5
9	All other disease of genito-urinary system	2,165	1.8
10	Abnormal labour due to disproportion	2,116	1.7
Total of leading causes of admission		64,172	52.8
Total of all causes of admission		121,527	100

### Top 10 leading causes of admission for Children < 5y.2000\*

Rank	Diagnosis	Cases	%
1	Bronchopneumonia	4,000	20.1
2	Gastro-enteritis and colitis (age 4 weeks to 2 years)	2,555	12.9
3	Primary atypical, other and unspecified pneumonia	2,292	11.5
4	Other unspecified malaria	2,136	10.7
5	Lobar pneumonia	840	4.2
6	Tuberculosis of respiratory system	778	3.9
7	Acute upper respiratory infection	447	2.2
8	Other unspecified dysentery	442	2.2
9	Chronic rheumatic heart disease	413	2.1
10	Marasmus	404	2.0
Total of leading causes of admission		14,307	72.0
Total of all causes of admission		19,870	100.0

\* Data is not available from Amhara,

## 10.4 TUBERCULOSIS AND LEPROSY

### 10.4.1 TUBERCULOSIS CASE FINDINGS (ETHIOPIA, 2000)

Regions	New smear-positive PTB			New smear negative PTB		New EPTB		Total new cases			Re-treat. cases				All TB cases		Smear conversion								
	M	F	Total	Cases	%**	Cases	%@	Re-treat. cases	F	D	T	%^	Positive	Negative	Evaluated	NO	%	NO	%	No done	%				
																						NO	%	NO	%
																							NO	%	NO
Tigray	1,146	837	1983	4,244	38.1	4,901	44	11,128	155	14	6	175	1.5	11,303	81	4.3	1,451	77.4	342	3.0					
Afar	694	848	1542	1,376	34.8	1,041	26	3,959	25	8	35	68	1.7	4,027	1,550	8	0.5	929	59.9	613	15.2				
Amhara	3,553	2876	6429	9,893	33.2	13,521	45	29,843	350	44	57	451	1.5	30,294	6,298	193	3.1	4,244	67.9	1,861	6.1				
Oromia	8,527	6733	15260	16,966	35.1	16,122	33	48,348	666	73	198	937	1.9	49,285	13,144	430	3.3	9,554	72.7	3,160	6.4				
Somali <sup>1</sup>	898	508	1406	1,037	31.6	838	26	3,281	153	7	47	207	5.9	3,488	1,074	14	1.3	1,008	93.9	52	1.5				
Ben-Gumuz	211	176	387	382	31.7	435	36	1,204	6	6	1	13	1.1	1,217	212	7	3.3	113	53.3	92	7.6				
SNNPR	5,161	4404	9565	8,428	36.1	5,348	23	23,341	339	27	98	464	1.9	23,805	9,219	665	7.2	6,626	71.9	1,928	8.1				
Gambella	172	131	303	426	44.7	225	24	954	9	2	9	20	2.1	974	337	1	0.3	249	73.9	87	8.9				
Harari	143	87	230	236	38.6	146	24	612	2	2	0	4	0.6	616	200	35	17.5	133	66.5	32	5.2				
Addis Ababa	1,541	1390	2931	4,820	37.3	5,170	40	12,921	415	30	47	492	3.7	13,413	2,855	119	4.2	2,498	87.5	238	1.8				
Dire Dawa	248	176	424	1,063	62.3	219	13	1,706	49	1	8	58	3.3	1,764	391	13	3.3	312	79.8	66	3.7				
Other Hosps.	208	126	334	501	30.1	828	50	1,663	28	19	13	60	3.5	1,723	249	4	1.6	198	79.5	47	2.7				
<b>TOTAL</b>	<b>22,502</b>	<b>18,292</b>	<b>40,794</b>	<b>49,372</b>	<b>35.5</b>	<b>48,794</b>	<b>35.1</b>	<b>138,960</b>	<b>2,197</b>	<b>233</b>	<b>519</b>	<b>2,949</b>	<b>2.1</b>	<b>141,909</b>	<b>37,403</b>	<b>1,570</b>	<b>4.2</b>	<b>27,315</b>	<b>73.0</b>	<b>8,518</b>	<b>6.0</b>				

\*Proportion of new smear- positive PTB among new cases

\*\* Proportion of new smear- negative PTB among all new cases

@ Proportion of new EPTB among all new cases

^ Proportion of re-treatment cases among all TB cases

Note: F: failed, D:died, T:transfer out



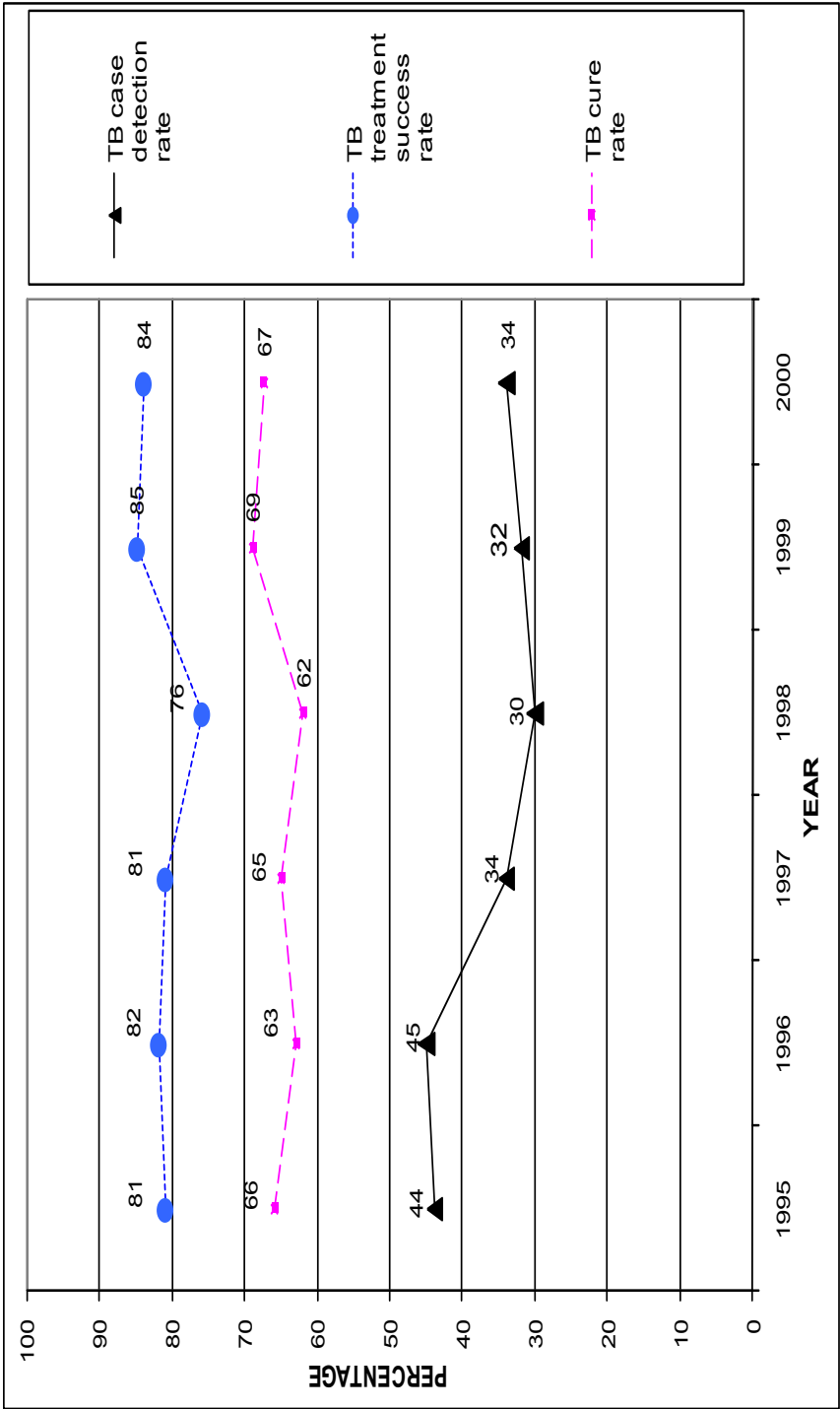
## 10.4.2 TUBERCULOSIS RESULTS OF TREATMENT (ETHIOPIA,2000)

Regions	Classification	Registered	Evaluated		Cure rate		Treatment Completed	Treatment success		Died		Failure		Defaulted		Transfer out	
			Cases	%	Cases	%		Cases	%	Cases	%	Cases	%	Cases	%	Cases	%
Tigray	PTB pos	1,851	1,889	102	1,460	79	108	1,568	85	110	6	18	1	52	3	141	8
	Re-treat	171	181	106	98	57	38	136	80	17	10	11	6	11	6	6	4
Afar	PTB pos	1,454	1,455	100	756	52	647	1,403	96	19	1	4	0	15	1	14	1
	Re-treat	114	103	90	85	75	15	100	88	2	2	0	0	0	0	1	1
Amhara	PTB pos	6,792	6,581	97	4,974	73	685	5,659	83	255	4	54	1	150	2	463	7
	Re-treat	621	393	63	227	37	77	304	49	39	6	5	1	12	2	33	5
Oromia	PTB pos	13,247	12,932	98	8,884	67	2,504	11,388	86	487	4	58	0	485	4	514	4
	Re-treat	834	624	75	403	48	124	527	63	56	7	3	0	16	2	22	3
Somali	PTB pos	1,249	859	69	703	56	31	734	59	50	4	0	0	42	3	33	3
	Re-treat	170	99	58	69	41	10	79	46	7	4	3	2	5	3	5	3
Ben-Gumuz	PTB pos	214	192	90	123	57	40	163	76	8	4	0	0	12	6	9	4
	Re-treat	14	3	21	2	14	1	3	21	0	0	0	0	0	0	0	0
SNNPR	PTB pos	9,153	8,818	96	5,996	66	1,866	7,862	86	290	3	34	0	286	3	346	4
	Re-treat	413	338	82	165	40	113	278	67	25	6	0	0	16	4	19	5
Gambella	PTB pos	250	221	88	98	39	111	209	84	5	2	0	0	3	1	4	2
	Re-treat	53	29	55	24	45	3	27	51	2	4	0	0	0	0	0	0
Harari	PTB pos	163	163	100	106	65	34	140	86	6	4	1	1	6	4	10	6
	Re-treat	11	11	100	8	73	1	9	82	1	9	1	9	0	0	0	0
Addis Ababa	PTB pos	3,043	3,034	100	2,201	72	283	2,484	82	132	4	24	1	228	7	166	5
	Re-treat	460	441	96	253	55	83	336	73	36	8	17	4	30	7	22	5
Dire Dawa	PTB pos	392	394	101	290	74	23	313	80	15	4	7	2	35	9	24	6
	Re-treat	146	133	91	71	49	28	99	68	6	4	9	6	9	6	10	7
Other Hosps.	PTB pos	270	88	33	61	23	9	70	26	7	3	0	0	2	1	9	3
	Re-treat	7	5	71	2	29	0	2	29	1	14	0	0	0	0	2	29
Total	PTB pos	38,078	36,626	96	25,652	67	6,341	6,341	84	1,384	4	200	1	1,316	3	1,733	5
	Re-treat	3,014	2,360	78	1,407	47	493	493	63	192	6	49	2	99	3	120	4
Standard									>85								<10

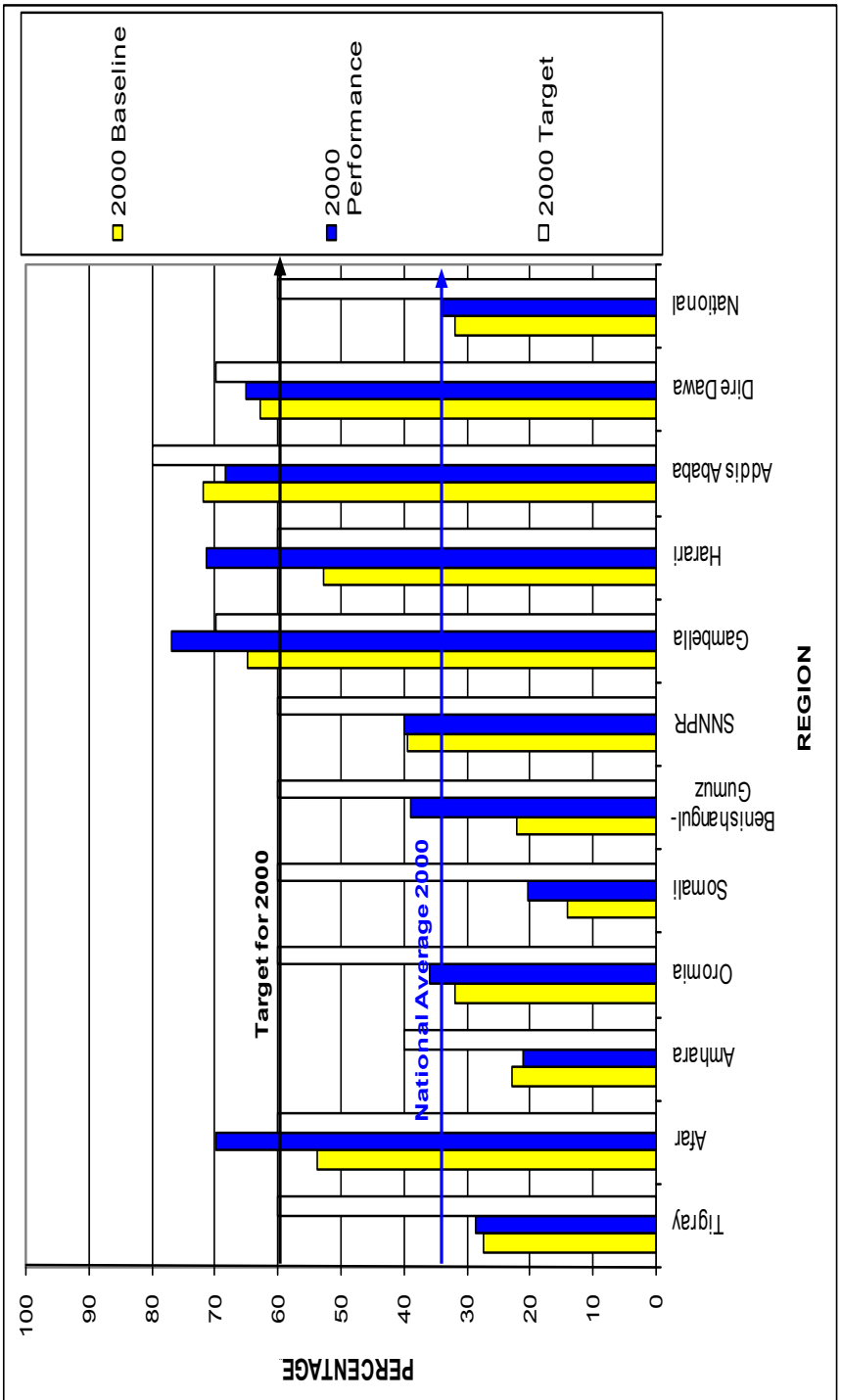
### 10.4.3 CASE DETECTION RATE OF PTB+ BY REGION (ETHIOPIA, 2000)

Regions	Total	No of new sputum smear positive TB Cases Detected	Estimated No of new sputum smear positive TB cases	Case Detection Rate
Tigray	4,565,000	1,983	6,948	28.5
Afar	1,449,000	1,542	2,215	69.6
Amahara	20,136,000	6,429	30,649	21.0
Oromia	28,067,000	15,260	42,643	35.8
Somali	4,560,000	1,406	6,941	20.3
Ben-Gumuz	656,000	387	1,000	38.7
SNNPR	15,745,000	9,565	23,928	40.0
Gambella	259,000	303	395	76.7
Harari	209,000	230	317	72.6
Addis Ababa	428,000	3,265	4,778	68.3
Dire Dawa	3,147,000	424	643	65.9
<b>National</b>	<b>79,221,000</b>	<b>40,794</b>	<b>120,457</b>	<b>33.9</b>

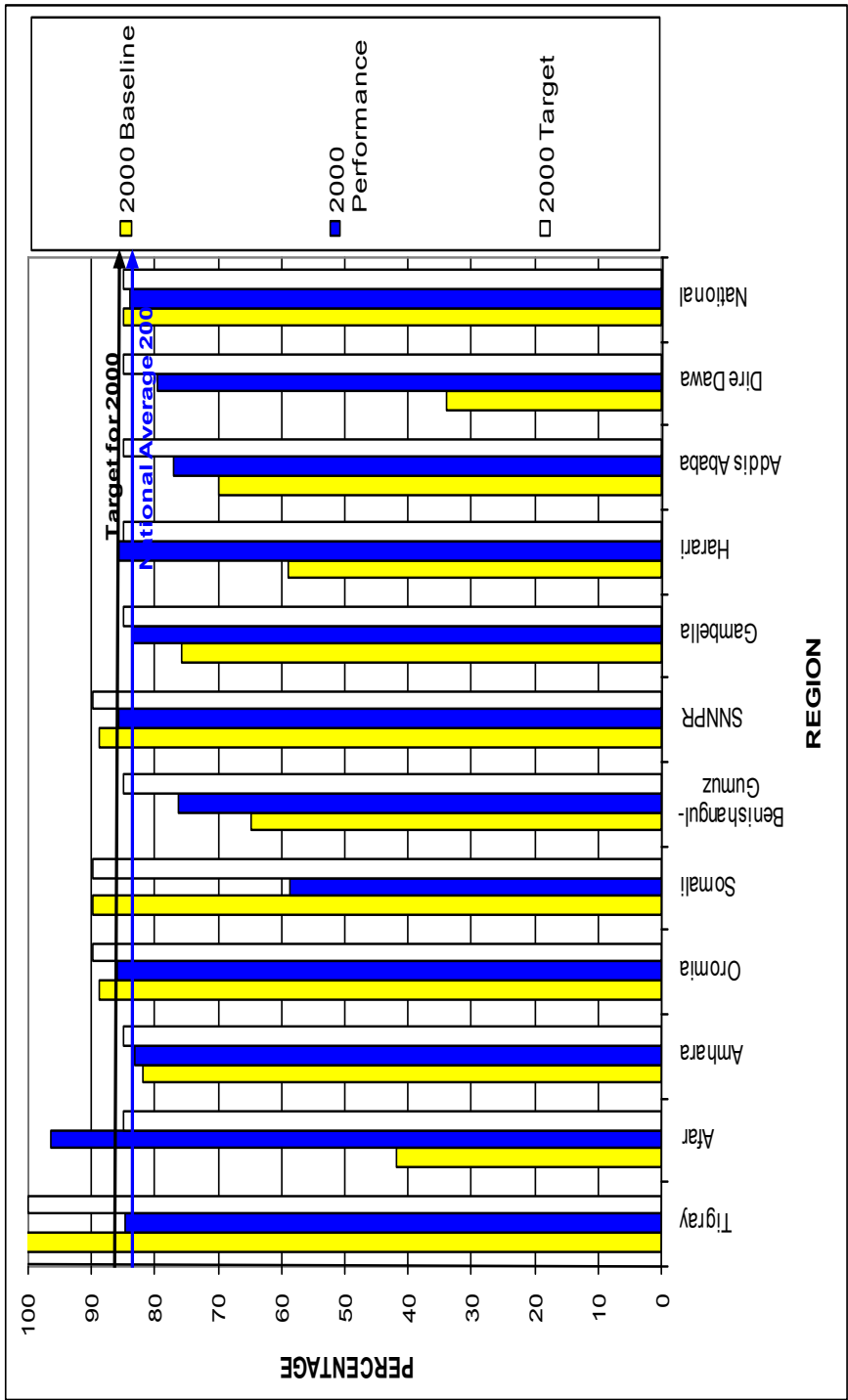
**FIG 6. TREND IN TB CASE DETECTION, TREATMENT SUCCESS AND CURE RATES (ETHIOPIA, 1995-2000 EFY)**



**FIG 7. DISTRIBUTION OF TB CASE DETECTION RATE BY REGION (ETHIOPIA, 2000 BASELINE, PERFORMANCE AND TARGET)**



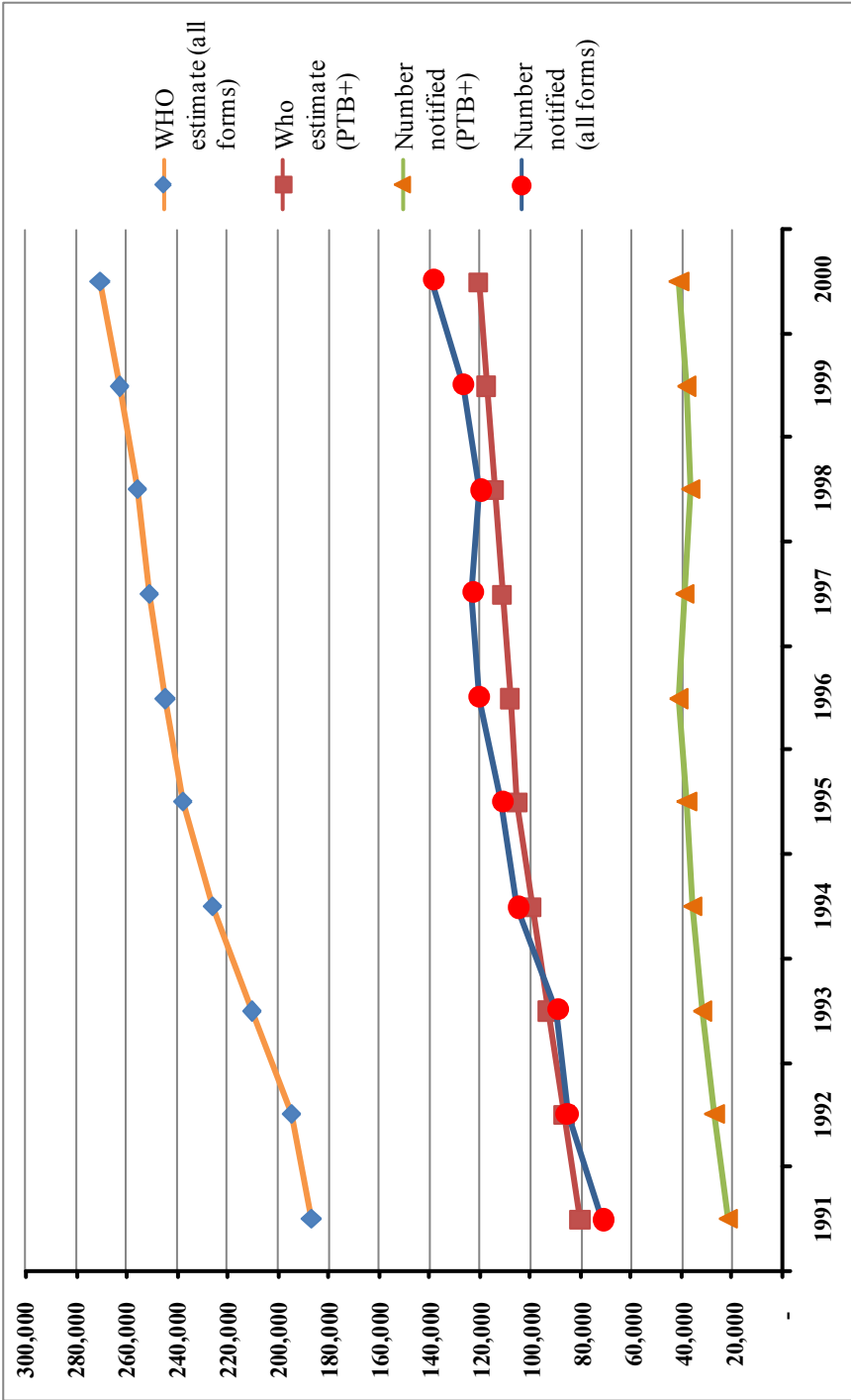
**FIG 8. DISTRIBUTION OF TB TREATMENT SUCCESS RATE BY REGION (ETHIOPIA, 2000 BASELINE, PERFORMANCE AND TARGET)**



**10.4.4 TEN YEARS TREND OF WHO TB ESTIMATE VS NOTIFICATION  
(ETHIOPIA, 1991-2000)**

Year	Estimated all forms of TB incidence	Estimated new SS+PTB incidence	Cases Detected PTB+	Cases Detected PTB negative	Cases Detected EPTB	Cases Detected all forms	CDR PTB+	CDR All forms
1991	186,555	80,033	21,457	27,648	22,226	71,331	27	38
1992	194,929	86,353	26,742	31,391	27,093	85,226	31	44
1993	210,408	92,788	31,781	28,938	28,923	89,642	34	43
1994	225,859	99,486	35,915	32,197	37,138	105,250	36	47
1995	237,797	105,073	37,774	33,880	39,931	111,585	36	47
1996	244,467	108,020	41,275	37,333	42,006	120,614	38	49
1997	251,270	111,026	39,036	39,651	44,325	123,012	35	49
1998	255,978	114,102	36,674	40,234	43,255	120,163	32	47
1999	263,003	117,233	38,040	43,500	45,269	126,809	32	48
2000	270,236	120,457	40,794	49,372	48,794	138,960	34	51

**FIG 9.TEN YEARS TREND OF TB CASE NOTIFICATION VS WHO ESTIMATE  
(ETHIOPIA, 1991-2000)**



## 10.4.5 LEPROSY CASE FINDING BY REGION (ETHIOPIA, 2000)

Regions	New cases			Relapses			Defaulters			Others			Total			New: 0 -14 yrs			New (Gr: 1)			New (Gr: 2)			Gr: unknown						
	PB	MB	Tot	PB	MB	Tot	PB	MB	Tot	PB	MB	Tot	PB	MB	Tot	PB	MB	Tot	PB	MB	Tot	PB	MB	Tot	PB	MB	Tot	PB	MB	Tot	
																															%*
Tigray	11	104	90	115	0	3	3	0	0	0	0	11	107	118	0	4	4	3	0	24	24	21	2	5	7	6	0	16	16	14	
Afar	5	14	74	19	0	1	1	0	1	0	0	5	16	21	0	0	0	1	2	3	16	0	0	0	0	0	0	0	0	0	0
Amhara	143	1,413	91	1,556	7	106	113	0	21	1	35	36	151	1,726	10	84	94	6	18	313	331	21	8	137	145	9	7	32	39	3	
Oromia	179	1,973	92	2,152	10	119	129	0	79	0	23	23	189	2,383	17	159	176	8	27	390	417	19	5	171	176	8	3	57	60	3	
Somali	1	7	88	8	0	2	2	0	0	1	1	1	10	11	0	0	0	0	1	1	13	0	1	1	13	0	0	0	0	0	
Ben-Gumuz	2	35	95	37	0	3	3	0	2	0	0	2	40	42	0	4	4	11	1	13	14	38	0	2	2	5	0	0	0	0	
SNNPR	31	239	89	270	7	27	34	0	33	33	5	6	43	300	343	1	14	15	6	5	86	32	2	29	31	11	1	9	10	4	
Gambella	12	55	82	67	0	5	5	0	16	16	0	0	12	76	88	3	5	8	12	2	13	15	22	0	4	4	6	0	0	0	
Harari	3	26	90	29	0	0	0	0	2	2	0	0	3	28	31	0	0	0	0	14	14	48	0	0	0	0	0	0	0	0	0
Addis Ababa	7	77	92	84	2	11	13	0	1	1	0	1	9	90	99	2	3	5	6	1	14	15	18	0	6	6	7	0	0	0	
Dire Dawa	1	18	95	19	0	2	2	0	0	0	0	1	20	21	0	0	0	0	0	9	9	47	0	2	2	11	0	1	1	5	
Other Hosp.	14	44	76	58	0	0	0	0	1	1	0	0	14	45	59	0	0	0	2	2	4	7	30	4	34	59	16	0	16	28	
National	409	4,005	91	4,414	26	279	305	0	156	156	6	61	441	4,501	4,942	33	273	306	7	57	876	933	21	47	361	408	9	27	115	142	3

\* Proportion of MB forms among new leprosy cases

\*\* Proportion of Children among new leprosy cases

^ Disability grade unknown

@ Proportion of grade-1 among new leprosy cases

# Proportion of disability grade-2 among new leprosy cases



### 10.4.6 LEPROSY (MDT) RESULTS OF TREATMENT BY REGIONS (ETHIOPIA, 2000)

Regions	Classification	No of patients Registered	Evaluated		Treatment Completed		Died		Default		Transfer out	
			Cases	%	Cases	%	Cases	%	Cases	%	Cases	%
Tigray	MB	79	60	76	52	66	3	4	2	3	3	4
	PB	3	5	167	5	167	0	0	0	0	0	0
Afar	MB	13	24	185	24	185	0	0	0	0	0	0
	PB	2	5	250	5	250	0	0	0	0	0	0
Amhara	MB	1,265	1,259	100	1,091	86	10	1	76	6	82	6
	PB	98	109	111	96	98	1	1	11	11	1	1
Oromia	MB	1,955	2,205	113	1,918	98	11	1	157	8	119	6
	PB	132	155	117	143	108	1	1	6	5	5	4
Somali	MB	18	5	28	5	28	0	0	0	0	0	0
	PB	2	0	0	0	0	0	0	0	0	0	0
Ben-Gumuz	MB	75	52	69	43	57	1	1	5	7	3	4
	PB	13	1	1	0	0	0	0	0	0	0	0
SNNPR	MB	294	349	119	289	98	9	3	32	11	19	6
	PB	34	59	174	53	156	2	6	2	6	2	6
Gambella	MB	65	46	71	41	63	3	5	2	3	0	0
	PB	9	7	78	7	78	0	0	0	0	0	0
Harari	MB	25	24	96	19	76	0	0	4	16	1	4
	PB	0	0	0	0	0	0	0	0	0	0	0
Addis Ababa	MB	82	167	204	152	185	0	0	12	15	3	4
	PB	3	1	1	0	0	0	0	0	0	0	0
Dire Dawa	MB	20	16	80	14	70	0	0	0	0	2	10
	PB	0	1	0	1	0	0	0	0	0	0	0
National	MB	3,891	4,207	108	3,648	94	37	1	290	7	232	6
	PB	296	343	116	310	105	4	1	19	6	8	3

Note: treatment completion rate is calculated based on registered cases in the cohort period, but there are regions whose completion rate > 100 because of treated patients who hadn't been reported during case finding

**10.5 NATIONAL SURVEILLANCE SYSTEM & EPIDEMIC REPORTS**  
**10.5.1 ANNUAL REPORT OF EPIDEMIC DISEASES**  
**(ETHIOPIA, 2000)**

Region	Meningitis		Acute watery diarrhea		Measles	
	Cases	Deaths	Cases	Deaths	Cases	Deaths
Tigray	5	0	3,605	54	39	0
Afar	6	1	2,318	47	42	0
Amhara	72	0	6,164	100	341	0
Oromia	647	11	5,313	43	7,952	15
Somali	4	0	1071	28	25	0
Ben-Gumuz	0	0	0	0	28	0
SNNPR	419	5	1,427	13	712	1
Gambella	1	0	3	0	72	1
Harari	15	0	10	0	103	0
Addis Ababa	63	1	48	1	305	2
Dire Dawa	0	0	47	1	10	0
<b>National</b>	<b>1,232</b>	<b>18</b>	<b>20,006</b>	<b>287</b>	<b>9,629</b>	<b>19</b>

**10.5.2 IDSR REPORT**

**I ANNUAL REPORT BY REGIONS COMPILED FROM MONTHLY IDSR SUMMARY REPORT FORMS (ETHIOPIA, 2000)**

Region	AFP	NNT	Yellow fever	Cholera	Dracunculiasis	Plague	V.hemorrhagic
Tigray	54	1	0	0	0	0	0
Afar	22	1	0	0	0	0	0
Amhara	120	1	0	0	0	0	0
Oromia	279	36	0	0	0	0	0
Somali	1	3	0	0	0	0	0
Ben-Gumuz	7	0	0	0	0	0	0
SNNPR	179	24	0	0	1	0	0
Gambella	9	1	0	0	39	0	0
Harari	5	3	0	0	0	0	0
Addis Ababa	43	0	0	0	0	0	0
Dire Dawa	6	0	0	0	0	0	0
<b>National</b>	<b>725</b>	<b>70</b>	<b>0</b>	<b>0</b>	<b>40</b>	<b>0</b>	<b>0</b>

## II. ANNUAL OUTPATIENT CASES REPORTED BY REGION COMPILED FROM IDSR MONTHLY REPORTABLE DISEASES (ETHIOPIA, 2000)

Disease	Tigray	Afar	Amhara	Oromia	Somali	Ben-Gumuz	SNNPR	Gamb	Harari	Addis Ababa	Dire Dawa	National
Onchocerciasis	0	0	224	2358	7	208	148	21	0	19	0	2,985
Typhoid fever	625	2477	6,794	39,409	15	2,292	42,623	184	3	26,994	585	122,001
Relapse fever	33	68	192	745	6	84	569	0	2	507	10	2,216
Epidemic typhus	6	0	641	1352	0	41	1077	0	0	14,027	4	17,148
Rabies	609	0	603	2133	0	67	268	2	0	3	0	3,685
New AIDS cases	3,453	561	6,885	11,884	102	423	6,110	406	45	6,688	876	37,433
Male urethral discharge	2,174	456	3,128	7,002	245	119	2,380	205	24	2,405	233	18,371
Male genital ulcer	862	104	1,171	1,892	144	91	917	45	10	704	78	6,018
Female genital ulcer	1,198	203	1,357	3,042	192	96	854	62	17	2,934	49	10,004
Diarrhea with blood	11,617	6,513	14,938	17,994	565	1,695	17,994	1,148	378	68	1,836	74,746
Malaria<5yrs	22654	39,128	38,789	46,413	1,123	15,629	117,138	5,935	404	131	135	287,479
Malaria≥5yrs	71,746	98,977	143,945	136,919	3,097	339	361,308	11,785	59	3	5	828,183
Lab confirmed Malaria cases<5	7523	18393	6,578	15,380	580	4,159	42,832	2031	111	97	10	97,694
Lab confirmed Malaria cases≥5	24212	32,819	22,030	36,230	1,540	7,590	117,078	5049	1408	660	38	248,654
Pneumonia<5yrs	27,353	5691	42,868	119,099	2,189	4,642	81,884	1,935	1,770	40834	48	328,313
Diarrhea with some dehydration<5 yrs	8,383	4,232	19,809	54,802	1,034	2,932	38,663	1,832	344	12,879	2989	147,899
Malaria in pregnancy	857	1,110	2,689	2,467	857	999	6,178	1,050	6	3	2	16,218

### III ANNUAL INPATIENT CASES REPORTED BY REGION COMPILED FROM IDSR MONTHLY REPORTABLE DISEASE (ETHIOPIA, 2000)

Regions	Tig		Afar		Amh		Orom		Som		Ben		SNNP		Gamb		Har		DD		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	0	0	0	0	0	0	0	0	0	0	0	0	21	0	0	0	0	0	0	0	0	0	21	0
Typhoid fever	48	3	7	0	62	3	1292	13	1	0	11	0	3442	39	7	0	2	0	10	72	0	4942	70	
Relapse fever	7	0	6	5	25	0	220	1	1	0	0	0	76	0	0	0	2	0	0	289	0	626	6	
Epidemic typhus	1	0	0	0	2	0	16	4	0	0	0	0	43	5	0	0	0	0	4	17	0	83	9	
Rabies	23	1	0	0	2	0	16	7	0	0	0	0	13	8	2	2	0	0	17	17	0	73	35	
New AIDS cases	383	66	3	2	344	92	1230	128	3	3	45	4	625	73	47	1	75	17	358	81	728	220	3841	687
Diarrhea with blood	69	1	23	1	79	0	354	109	22	0	1697	0	788	10	8	0	30	1	198	1	68	0	3336	123
Diarrhea with severe dehydration <5 yrs	973	14	159	0	1,207	1	3,100	81	24	3	151	1	1,749	55	140	2	135	5	185	2	624	21	8447	185
Malaria <5yrs	442	5	365	7	178	6	737	28	151	0	339	10	3834	92	392	36	59	0	5	0	3	1	6505	185
Malaria ≥5yrs	1,580	25	737	22	778	37	1,633	52	256	1	400	16	9,456	259	580	55	70	0	10	0	41	0	15541	467
Malaria in pregnancy	55	2	57	0	18	1	171	5	26	0	0	0	322	8	12	1	4	0	0	0	0	0	665	17
Severe anemia<5yrs	86	7	55	0	47	0	333	9	10	0	16	1	661	24	7	2	9	1	0	62	0	1286	44	
Severe anemia>5yrs	268	9	47	0	57	1	288	15	18	0	17	2	622	32	9	1	4	0	2	93	0	1425	60	
Sever Pneumonia <5yrs	1,567	43	271	2	2,638	18	7,966	233	25	6	211	3	4,648	177	89	4	341	12	228	10	1,626	26	19,610	534

## 10.6 MALARIA CASES BY PARASITIC SPECIES (ETHIOPIA, 2000)

Region	Total Malaria Cases	Total Examined	Total positive	PF	PV	P. malaria	Mixed	Malaria Admissions	Malaria Deaths
Tigray	298,934	63,052	14,169	8,933	5,141	0	95	2,750	111
Afar	172,721	114,989	65,396	41,461	23,935	0	0	2,142	46
Amhara	659,149	247,373	56,370	31,466	21,750	0	3,154	199	80
Oromia	561,738	235,227	61,869	32,390	20,248	0	4,621	1,295	72
Somali	50,796	34,492	20,789	16,247	4,542	0	0	1,242	100
B.Gumuz	72,079	30,367	15,546	6,323	6,628	5	2,590	743	0
SNNPR	703,879	224,812	216,788	128,160	88,628	98	0	16,530	719
Gambella	25,542	15,862	7,034	6,628	383	1	22	655	23
Harari	11,040	11,040	3,288	2,184	1,104	0	18	126	16
Addis Ababa	1,839	1,839	1,771	837	934	0	0	56	2
Dire Dawa	667	7,290	35	28	7	0	0	1	0
<b>National</b>	<b>2,558,384</b>	<b>986,343</b>	<b>463,055</b>	<b>274,657</b>	<b>173,300</b>	<b>104</b>	<b>10,500</b>	<b>25,739</b>	<b>1,169</b>

Note: The above data includes only those who treated at health facility

Source: FMOH, Malaria Department Report

## 10.6.1 MILLENNIUM ANTI MALARIA CAMPAIGN ACTIVITIES (ETHIOPIA, 2000)

Regions	DDT allocated and received (in tons)		Coartem Deployed Coartem in Rx Dose	Number of febrile cases treated			Number of people sensitized on AMC	
	Allocated	Total Received		Planned	Achieved	Percentage achieved	Planned	Achieved
Tigray	172	173	151,200	569,507	227,950	40	250,000	100,260
Afar	37	27	18,864	287,538	148,084	52	200,000	124,946
Amhara	387	358	568,320	2,877,944	316,870	11	1,010,300	917,784
Oromia	677	681	1,521,600	3,491,056	601,446	17	6,549,807	2,540,997
Somali	66	53	554,880	750,278	170,442	23	1,500	-
Ben-Gumz	36	36	86,890	112,697	21,503	19	300,055	127,336
SNNPR	435	436	941,760	1,688,126	481,863	29	4,200,000	1,249,312
Gambella	19	19	63,360	77,113	313,082	406	328,800	54,088
Harari	11	11	12,960	31,246	9,096	29	0	300
Addis Ababa	0	0	4,800	39,889	35	0.1	0	84
Dire Dawa	9	9	23,040	74,606	1,197	1.0	10250	1,165
<b>National</b>	<b>1,848</b>	<b>1,803</b>	<b>3,947,674</b>	<b>10,000,000</b>	<b>2,291,568</b>	<b>23</b>	<b>8,650,712</b>	<b>5,116,272</b>

## 10.7 HIV PREVALENCE (ETHIOPIA, 2000)

Regions	PLWA		HIV PREVALENCE			New HIV infection		Adult HIV incidence	Total AIDS Orphans	Annual death	
	Male	Female	Total	Male	Female	Total	All ages				Children
				1.7	2.6	2.1					
Tigray	43,370	54107	97,477	2.2	3.2	2.7	10,499	1,553	0.35	16,665	5,685
Afar	10,202	12418	22,620	1.5	2.3	1.9	2,395	310	0.25	5,826	1,648
Amhara	193,330	237111	430,441	2.2	3.2	2.7	1,415	7,191	0.32	107,192	34,119
Oromia	145,309	178093	323,402	1.2	1.8	1.5	30,142	5,565	0.16	72,901	2,594
Somali	13,146	16136	29,282	0.6	0.9	0.8	2,891	432	0.10	6,885	1,985
Ben-Gumuz	4,439	5489	9,928	1.5	2.2	1.8	1,054	171	0.24	1,677	642
SNNPR	82,492	101178	183,670	1.2	1.7	1.4	20,516	3,320	0.20	50,735	3,093
Gambella	2,330	2848	5,178	1.9	2.8	2.4	369	65	0.19	796	369
Harari	2,491	3042	5,533	2.6	3.8	3.2	570	40	0.49	NA	237
Addis Ababa	99,437	123391	222,828	6	8.9	7.5	23,432	1,186	1.49	NA	8,895
Dire Dawa	7,014	8597	15,611	3.3	5	4.2	1,653	136	0.65	NA	647
<b>Total</b>	<b>603,560</b>	<b>742,410</b>	<b>1,345,970</b>	<b>1.7</b>	<b>2.6</b>	<b>2.1</b>	<b>34,936</b>	<b>19,969</b>	<b>0.27</b>	<b>262,677</b>	<b>9,914</b>

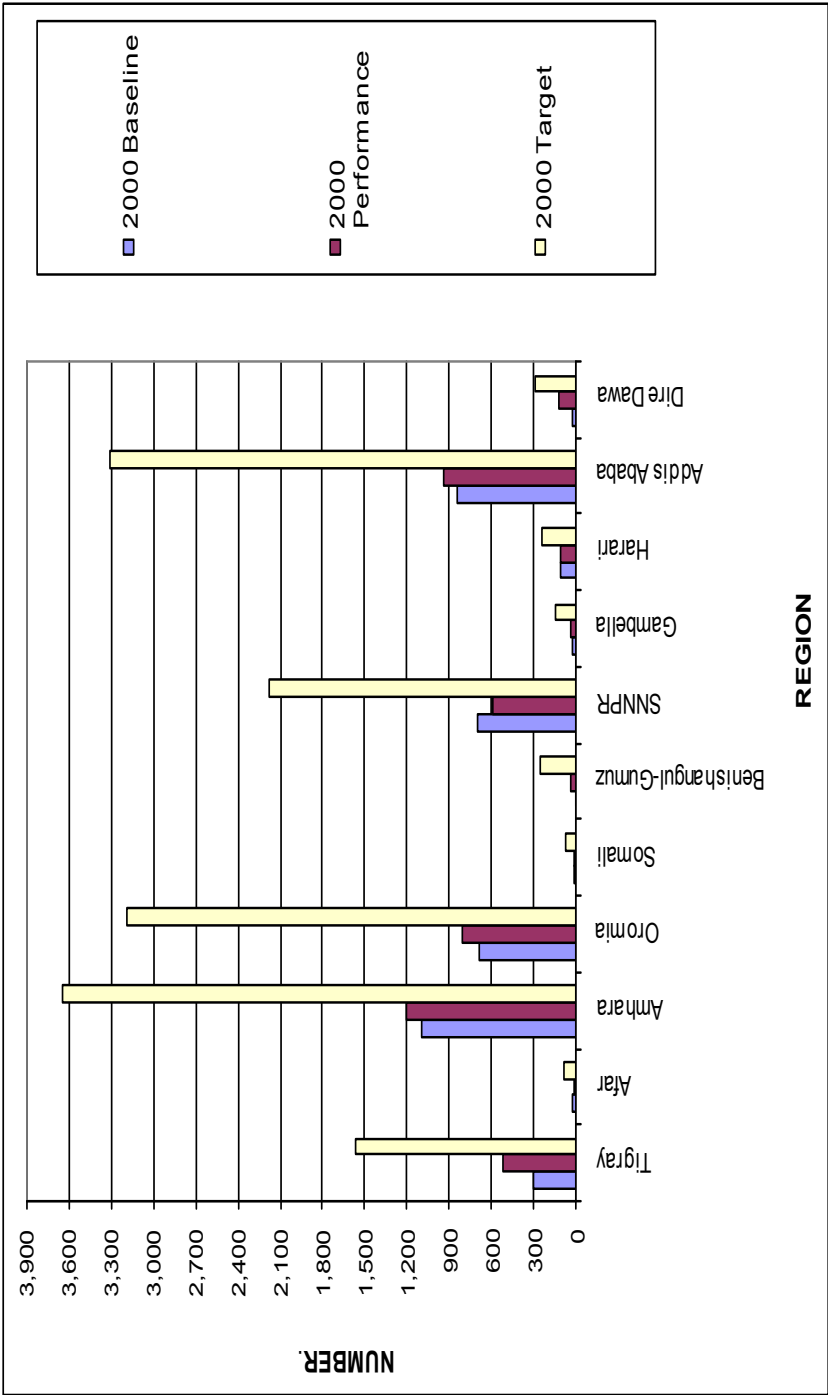
Source:- Federal HIV /AIDS Prevention and Control Office

### 10.7.1 PMTCT SERVICE BY REGION (ETHIOPIA, 2000)

Regions	ANC clients in facilities providing PMTCT	Pre-Counseled	% counseled	Pregnant women tested for HIV	% HIV-positive women	Women who received NVP	% Women who received NVP
Tigray	75,909	43,285	57.0	27,901	3.8	516	48.9
Afar	1,602	1,086	67.8	738	4.7	12	34.3
Amhara	72,515	61,808	85.2	46,942	4.8	1,205	53.2
Oromia	128,965	87,787	68.1	68,422	2.8	811	42.1
Somali	2,714	1,133	41.7	929	4.6	17	39.5
Ben-Gumuz	2,732	2,500	91.5	2,398	3.4	43	53.1
SNNPR	83,894	51,207	61.0	38,489	2.1	597	75.0
Gambella	7,883	3,713	47.1	2,254	6.2	40	28.6
Harari	2,162	1,999	92.5	1,567	4.5	110	157.1
Addis Ababa	37,566	30,594	81.4	20,597	9.3	939	49.3
Dire Dawa	7,890	4,583	58.1	3,364	4.9	121	72.9
Uniformed forces	5,478	2,455	44.8	2,250	2.2	67	136.7
<b>National</b>	<b>429,310</b>	<b>292,150</b>	<b>68.1</b>	<b>215,851</b>	<b>3.9</b>	<b>4,478</b>	<b>52.5</b>



**FIG 10. DISTRIBUTION OF HIV POSITIVE MOTHERS PROVIDED WITH PMTCT PROPHYLAXIS BY REGION (ETHIOPIA, 2000 BASELINE, PERFORMANCE AND TARGET)**



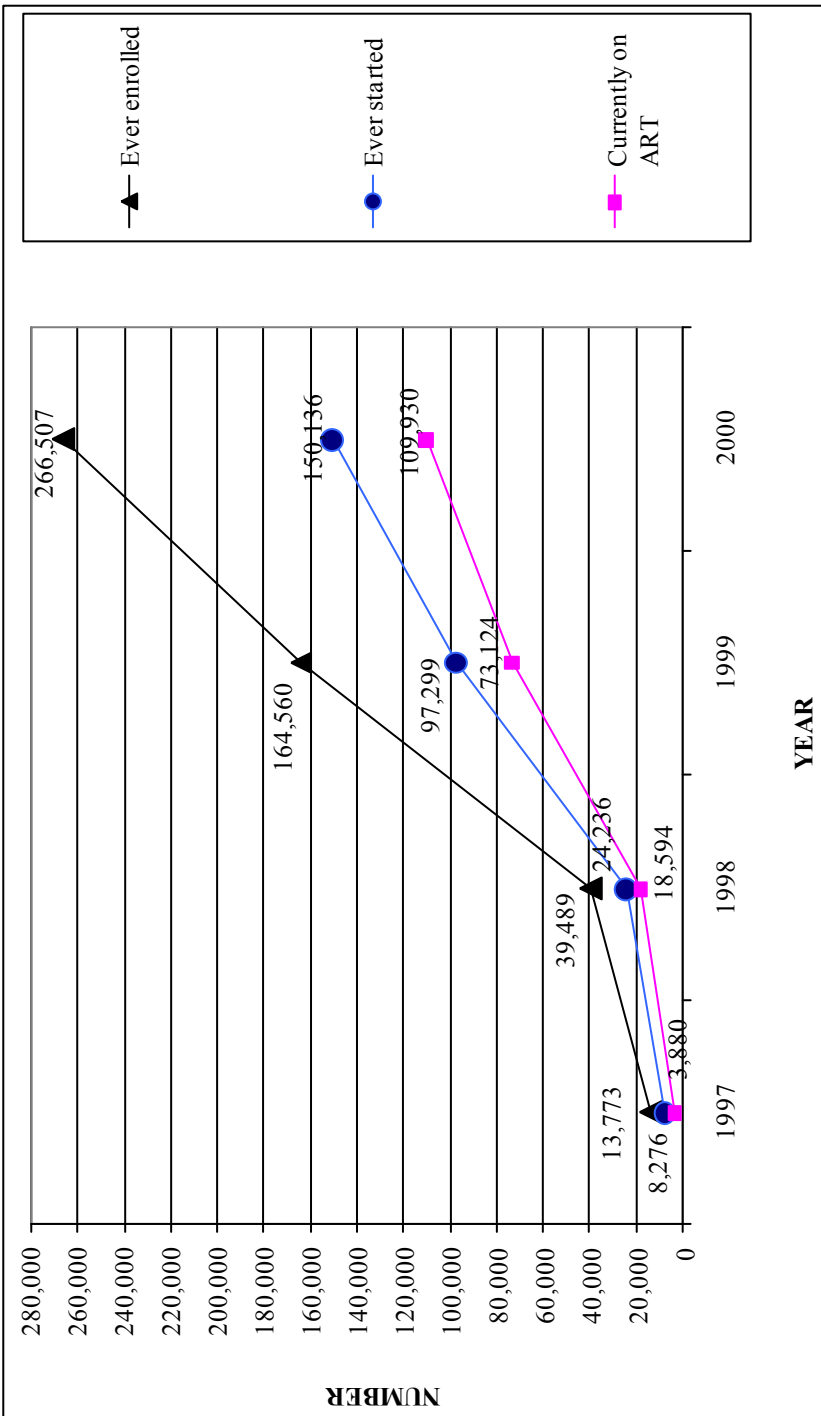
## 10.7.2 NUMBER OF HEALTH FACILITIES PROVIDING HCT, ART AND PMTCT (ETHIOPIA, 2000)

Regions	Number of health facilities providing HCT services	Number of health facilities providing PMTCT services	Number of health facilities providing ART
Tigray	195	54	52
Afar	40	9	6
Amahara	241	168	65
Oromia	260	204	80
Somali	6	6	6
Ben-Gumuz	18	15	8
SNNPR	335	186	57
Gambella	9	7	5
Harari	7	4	6
Addis Ababa	170	35	49
Dire Dawa	9	7	6
Uniformed forces	46	24	13
<b>National</b>	<b>1,336</b>	<b>719</b>	<b>353</b>

## 10.6.3 AIDS PATIENTS EVER ENROLLED, EVER STARTED AND CURRENTLY ON ART (ETHIOPIA, 2000)

Regions	Ever enrolled	Ever started	Currently on ART
Tigray	22,293	12,098	8,936
Afar	2,121	1,387	1,072
Amhara	65,893	39,001	28,737
Oromia	58,046	28,283	21,473
Somali	1,083	730	455
Ben-Gumuz	2,268	1,210	943
SNNPR	21,799	11,029	8,140
Gambella	1,712	855	613
Harari	3,689	1,989	2,075
Addis Ababa	72,005	43,993	31,855
Dire Dawa	5,191	2,788	1,991
Uniformed forces	10,407	6,773	3,640
<b>Total</b>	<b>266,507</b>	<b>150,136</b>	<b>109,930</b>

**FIG 11. TREND IN NUMBER OF PEOPLE LIVING WITH AIDS WHO ACCESSED CHRONIC HIV CARE AND ART (ETHIOPIA, 1997-2000)**



### 10.7.4. VOLUNTARY COUNSELING AND TESTING FOR HIV BY REGION (ETHIOPIA, 2000)

Regions	Male	Positive	%	Female	Positive	%	Total	Positive	%
Tigray	269,501	7,359	2.7	292,503	9,757	3.3	562,004	17,116	3.0
Afar	55,892	950	1.7	35,734	821	2.3	91,626	1,771	1.9
Amhara	790,050	21,449	2.7	611,191	29,437	4.8	1,401,241	50,886	3.6
Oromia	720,878	17,382	2.4	553,762	23,941	4.3	1,274,640	41,323	3.2
Somali	49,656	595	1.2	27,610	611	2.2	77,266	1,206	1.6
Ben-Gumuz	14,664	490	3.3	16,810	627	3.7	31,474	1,117	3.5
SNNPR	355,267	6,893	1.9	401,836	10,299	2.6	757,103	17,192	2.3
Gambella	3,777	456	12.1	4,200	642	15.3	7,977	1,098	13.8
Harari	11,752	530	4.5	12,358	839	6.8	24,110	1,369	5.7
Addis Ababa	108,571	9,180	8.5	152,163	16,994	11.2	260,734	26,174	10.0
Dire Dawa	19,949	878	4.4	24,382	1,560	6.4	44,331	2,438	5.5
Uniformed forces	23,280	458	2.0	4,168	225	5.4	27,448	683	2.5
<b>Total</b>	<b>2,423,237</b>	<b>66,620</b>	<b>2.7</b>	<b>2,136,717</b>	<b>95,753</b>	<b>4.5</b>	<b>4,559,954</b>	<b>162,373</b>	<b>3.6</b>

# 11 OUTPUT FROM PROFESSIONAL TRAINING SCHOOLS

(ETHIOPIA, 2000)

## 11.1 SUMMARY OF GRADUATES BY CATEGORY

Profession	1998		1999		2000	
	BS	F	BS	F	BS	F
Specialist	0	0	210	26	168	20
Medical doctor	180	25	161	31	162	NA
Health officer	224	49	789	104	2,289	NA
Pharmacist	51	16	48	24	248	53
Anesthesiologist B.Sc.	0	0	11	1	59	19
Optometry					42	15
Dentist B.Sc.	0	0	39	8	NA	NA
Nurse B.Sc.	43	8	288	154	306	40
Health Education	0	0	38	8	52	11
Senior Clinical Nurse	719	379	143	94	NA	NA
Junior Clinical Nurse	419	146	1,157	89	1,377	996
Senior Midwife Nurse	28	10	25	16	-	-
Midwife Nurse B.Sc	0	0	53	28	109	55
Cataract Surgery Nurse B.Sc.					169	53
Junior Midwife Nurse	2	2	62	51	-	-
Junior Pharmacy Technician	0	0	39	12	69	28
Senior Laboratory Technologist	108	11	97	11	162	69
Junior Laboratory Technologist	0	0	422	105	357	82
Chief Reproductive Health					16	3
Chief Adult Health					6	1
S. Environmental Health	13	5	34	1	64	3
J. Environmental Health	30	0	173	20	220	9
Junior Environmental Health Technician	58	9	198	10	-	-
Human Nutrition					9	1
Radiographer	0	0	25	3	62	24
Laboratory Tech.					452	205
Ass, Clinic Nurse					49	29
Druggist	0	0	514	228	NA	NA
Health Extension Worker	7,500	7,500	7,095	7,095	6918	6918
<b>TOTAL</b>	<b>9,379</b>	<b>8,161</b>	<b>11,544</b>	<b>8,111</b>	<b>13,365</b>	<b>8,634</b>

**11. 2 DISTRIBUTION OF HEALTH TRAINING SCHOOLS  
TYPES & NUMBER OF GRADUATES (ETHIOPIA, 2000)**  
**A. HEALTH PROFESSIONALS GRADUATED FROM PUBLIC HIGHER  
EDUCATION**

No.	Training School		Award	2000	
	Name	Type		BS	F
1	Jimma University	General Practitioner	MD	57	NA
		Health Education	B.Sc.	52	11
		S. Environmental Health	B.Sc.	8	1
		J. Environmental Health	B.Sc.	20	2
		Pharmacist	B.Sc.	8	4
		Anesthesia Professional	B.Sc.	23	3
		Nurse Professional	B.Sc.	11	4
		Cataract Surgery Nurse	B.Sc.	5	1
		S. Lab. Technologist	B.Sc.	5	1
		J. Lab. Technologist	B.Sc.	9	5
	Public Health Professional	B.Sc.	70	NA	
2	Gonder University	General Practitioner	MD	51	8
		Optometry	B.Sc.	42	15
		Cataract Surgery Nurse	B.Sc.	5	1
		Midwife Nurse	B.Sc.	46	8
		Anesthesia Professional	B.Sc.	16	6
		Applied Human Nutrition	B.Sc.	9	1
		S.Environmental Health	B.Sc.	37	2
		J.Environmental Health	B.Sc.	24	0
		Pharmacist	B.Sc.	112	19
		S. Lab. Technologist	B.Sc.	32	27
	J. Lab. Technologist	B.Sc.	138	30	
	Public Health Professional	B.Sc.	262	NA	
3	Addis Ababa University	General Practitioner	MD	54	11
		S. Environmental Health	B.Sc.	19	0
		Cataract Surgery Nurse	B.Sc.	159	51
		Pharmacy	B.Sc.	63	25
		Reproductive Health	B.Sc.	16	3
		Adult Health	B.Sc.	6	1
		Senior Med. Radiographer	B.Sc.	18	0
		Junior Medical Radiographer	B.Sc.	44	24
		Nurse, Midwife	B.Sc.	63	47
		Nurse Professional	B.Sc.	51	3
		Psychology	B.Sc.	4	0
		Anesthesia Professional	B.Sc.	20	10
		S.Lab. Technologist	B.Sc.	125	41
		J.Lab. Technologist	B.Sc.	44	17
	Nurse Professional	B.Sc.	93	20	
4	Hawasa University	J.Lab. Technologist	B.Sc.	97	18
		J.Environmental Health	B.Sc.	107	6
		Public Health Professional	B.Sc.	173	NA
5	Haromaya University	Public Health Professional	B.Sc.	463	NA
		J. Environmental Health	B.Sc.	69	1
		J.Lab. Technologist	B.Sc.	69	12
6	Mekelle University	Public Health Professional	B.Sc.	45	NA
		Pharmacist	B.Sc.	65	5
<b>Total</b>				<b>2,909</b>	<b>444</b>

## B. HEALTH PROFESSIONALS GRADUATED FROM PRIVATE TRAINING SCHOOLS

No.	Training School		Award	2000	
	Name	Type		BS	F
1	Medico Bio-Medical College	Ass..Clinical Nurse	Certificate	3	2
		Lab. Technician	Diploma	47	15
2	Alkan Health College	Ass. Clinic Nurse	Certificate	7	1
		Clinical Nurse	Diploma	28	22
3	Tropical College of Medicine	Ass. Clinical Nurse	Certificate	26	14
		Clinical Nurse	Diploma	89	63
		Lab. Technician	Diploma	31	12
4	Sheba Medical College	Clinical Nurse	Diploma	16	10
5	East Africa	Lab. Technician	Diploma	33	20
6	Bethel Medical College	Ass. Clinic Nurse	Certificate	7	7
		Lab. Technician	Diploma	43	23
		Clinical Nurse	Diploma	145	128
7	Hayat Medical College	Clinical Nurse	Diploma	11	7
8	Africa	Lab. Technician	Diploma	145	63
9	Enat Medical College	Lab. Technician	Diploma	14	6
		Clinical Nurse	Diploma	91	72
10	Universal Medical College	Clinical Nurse	Diploma	68	55
11	A.A Medical College	Clinical Nurse	Diploma	159	70
		Lab. Technician	Diploma	47	26
12	Unity University College	Lab. Technician	Diploma	16	1
		Clinical Nurse	Diploma	18	11
13	Betzatha Medical College	Lab. Technician		7	3
		Clinical Nurse	Diploma	32	27
14	Central Medical College	Clinical Nurse	Diploma	225	172
		Junior Pharmacist	Diploma	52	20
15	Atalas Medical College	Junior Pharmacist	Diploma	17	8
16	Millennium Medical College	Clinical Nurse	Diploma	65	41
17	Omega Medical College	Lab. Technician	Diploma	42	22
		Clinical Nurse	Diploma	113	97
18	St. Lideta Medical College	Ass. Clinic Nurse	Certificate	2	2
		Lab. Technician	Diploma	27	14
19	Kea-Medical College	Ass. Clinic Nurse	Certificate	4	3
		Clinical Nurse	Diploma	317	221
<b>TOTAL</b>				<b>1,947</b>	<b>1,258</b>

## C. HEALTH EXTENSION WORKERS GRADUATED BY REGION (ETHIOPIA, 2000)

Regions	1998	1999	2000	HEW's on training in the year 2000
Tigray	840	0	0	112
Afar	0	0	164	150
Amhara	3,500	2,631	680	382
Oromia	1,296	3,524	2,884	4,526
Somali	0	0	420	406
Ben-Gumuz	0	59	120	310
SNNPR	1,500	2,666	2,650	750
Gambella	0	47	0	156
Harari	0	0	0	0
Dire Dawa	0	33	0	0
<b>National</b>	<b>7,136</b>	<b>8,960</b>	<b>6,918</b>	<b>6,792</b>

### 11.3 POST GRADUATES (ETHIOPIA, 2000)

University	Profession	Award	BS	F
Addis Ababa University	Public Health	Post graduates	26	6
	Internal Medicine		21	1
	Obstetrics & Gyn.		23	0
	Ophthalmology		7	2
	Orthopedics		4	0
	Pathology		1	0
	Pediatrics		14	1
	Psychiatry		8	2
	Surgery		14	0
	Neurology		6	0
	Radiology		14	1
	Tropical & infectious disease		4	0
Hawassa	Public health		357	NA
Mekele	Public health		170	NA
Gonder	Public health		320	NA
Haromaya	Public health		194	NA
Jimma	Internal medicine		1	0
	Public Health		19	7
Abroad	Ophthalmology		2	0
	Internal medicine		4	0
<b>Total</b>			<b>1,209</b>	<b>20</b>

Note: All graduates except Health officers and General practitioners includes only those who come to FMOH to get their professional license



# 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 is proportion of pregnant women attended, at least once during the current pregnancy, by a health professional, for reasons related to 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 Accepters rate

The proportion of women of reproductive age (15-49 years ) who are accepting a modern contraceptive method ( new and repeat acceptors).

## 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**

Surviving infants who receive all doses of infant antigens.

## **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.

## 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**

Women attended, at least once during postpartum (42 days after delivery), by health professional including HEW's for reasons relating to post partum.

## **Potential health service coverage**

The population covered in percentage based on the existing health centres and health stations in catchments' 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.

### **Surviving infants**

Infants who survive to their first birth day

### **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

