



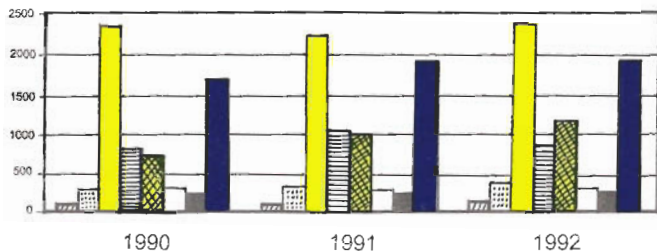
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Federal Democratic Republic of Ethiopia  
Ministry of Health

# Health and Health Related INDICATORS

1993

Hospitals	Health Centers	Health Stations	Health Posts
Private Clinics	Pharmacies	Drug Shops	Rural Drug Vendors



Planning and Programming Department, MOH

Health and Health Related

# **INDICATORS**

1992

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. It could also be seen that remarkable improvement has been seen in the quality and quantity of information available during this period of HSDP showing a positive effect in the two mutually reinforcing activities.

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

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

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

1. The 1994(G.C.) population and Housing Census of Ethiopia, Analytical Reports
2. The Ethiopian Population Profile: 1999 G.C.
3. Educational Statistics: Annual Abstract, 2000
4. Regional Health Bureaus of the country.
5. Concerned departments of MOH, MEDaC, and MOF.

As part of its main activities, the Planning and Programming Department will continue to update the publication annually. Comments and suggestions are welcome and should be addressed to:

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

*Health Information Processing & Documentation Team*

## ACRONYMS

ADD	Acute Diarrhea Diseases
AIDS	Acquired Human Immunodeficiency Syndrome
ARI	Acute Respiratory Infection
BCG	Bacille Calmette Guerin
B. Dysentery	Bacillary Dysentery
CSA	Central Statistical authority
CBR	Crude Birth Rate
CDR	Crude Death Rate
CHA	Community Health Agent
CMR	Child mortality Rate
CNS	Central Nervous System
CPR	Contraceptive Prevalence Rate
DEF	Defaulters
DPT	Diphtheria, Pertusis and Tetanus
ENT	Ear, Nose & Throat
EPI	Expanded Programme on Immunization
ETB	Ethiopian Birr
E. Typhus	Epidemic Typhus
FLE	Female Life Expectancy
FP	Family Planning
GDP	Gross Domestic Product
GFR	General Fertility Rate
GNP	Gross National Product
GPI	Gender Parity Index
G. Worm	Guinea Worm
H/Ass.	Health Assistant
HC	Health Center
HCU	Health Care Unit
HH	House Hold
HIV	Human Immunodeficiency Virus
HO	Health Officer
HP	Health Post
HSDP	Health Sector Development Programme
IMR	Infant Mortality Rate
IDS	International Disease Surveillance
IUCD	Intra Uterine Contraceptive Device
LB	Live Birth

MB	Multibacillary
MLE	Male Life Expectancy
MCH	Maternal and Child Health
MD	Medical Doctor
M. Meningitis	Meningococcal Meningitis
MMR	Maternal Mortality Rate
MOH	Ministry of Health
MPH	Masters of Public Health
NGO	Non Governmental Organization
NNT	Neonatal Tetanus
NRS	National Regional States
Ob.Gyn	Obstetric & Gynaecology
OGA	Other Government Agency
OPD	Out-patient Department
OPV	Oral Polio vaccine
ORT	Oral Rehydration therapy
PB	Paucibacillary
PF	Plasmodium Falciparum
PM	Plasmodium Malarie
PV	Plasmodium Vivax
PHCU	Primary Health Care Unit
PHRD	Policy & Human Resource Development
PHS	Potential Health Service
R. Fever	Relapsing Fever
RLPS	Relapse
RNI	Rate of Natural Increase
ROW	Rest of the World
SNNPR	Southern Nations & Nationalities Peoples Region
STD	Sexually Transmitted Disease
TB	Tuberculosis
TBA	Traditional Birth Attendant
TFR	Total Fertility Rate
TT	Tetanus Toxoid
URTI	Upper Respiratory Tract Infection
WHO	World Health Organization

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# *INTRODUCTION*

The current area of Ethiopia is estimated at about 1.1 million square kilometers and a current population of 65.3 million, of which more than 55.5 million (85.0 percent) live in rural areas. Ethiopia is a Federal Democratic Republic composed of 9 National Regional States (NRS) including Tigray, Afar, Amhara, Oromia, Somalia, Benishangul-Gumuz, Southern Nations, Nationalities and Peoples Region (SNNPR), Gambella and Harari, Administrative states (Addis Ababa city administration and Dire Dawa council)

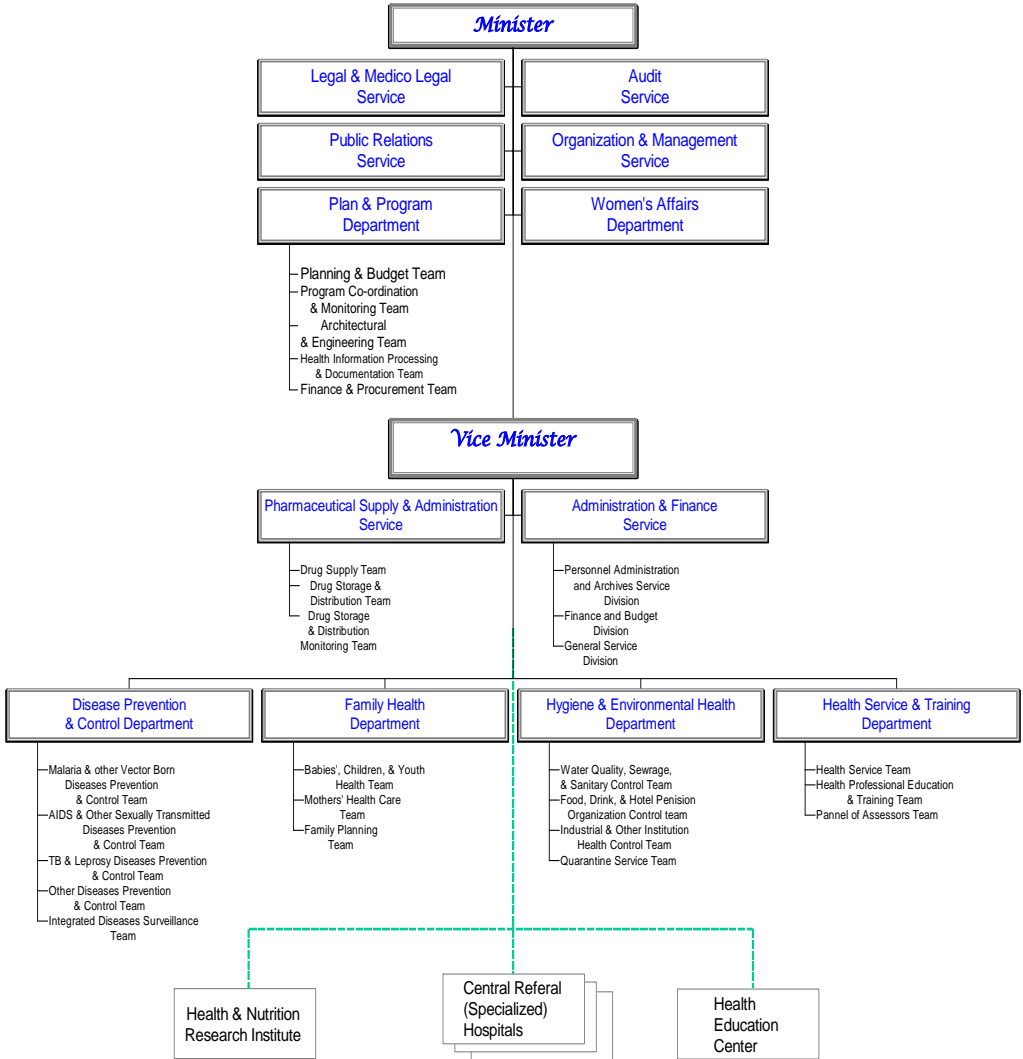
The National Regional States as well as the Administrative states are further divided into sixty six Zones, five hundred twenty-three woredas and about 10,000 kebeles. There are also two zones and eleven woredas classified as special.

An estimated 60 to 80 percent of health problems are due to infectious communicable diseases and nutritional problems. The system is underdeveloped and able to provide health to only about half of the population. Much of the rural population has no access to any type of modern health care, leading to inability of the health care delivery systems to respond quantitatively or qualitatively to the health needs of the people. It was highly centralized; its services were delivered in a fragmented way with a reliance on vertical programs; and there was little collaboration between the public and private sectors. Consequently, the Ethiopian Transitional and Federal Governments have initiated political, economic and social changes resulting in the formulation of the 1993 G.C.-Health Policy and Strategy. The Federal Government and the regional authorities seek to reorganize health services into a more cost-effective and efficient system better able to contribute to the overall socio-economic development effort of the country.

The Government plans to realize its health development objective through a twenty-year health development strategy, with a series of five-year investment programs, of which the first Health Sector Development Program (HSDP) covers the period 1997/98-2001/02 G.C. The HSDP proposes a sector wide approach to achieve the Government's objectives.

The HSDP, like the National Health Policy, is the result of a critical examination of the nature, magnitude and root causes of the prevailing health problems of the country and awareness of newly emerging health problems. Founded on a commitment to democracy and to decentralization, it accords appropriate emphasis to the needs of the less privileged rural population which constitute the overwhelming majority of the population and it proposes realistic goals and the means for attaining them. In so doing, the Government accords health a prominent place in its order of priorities and commits itself to the attainment of these goals utilizing all accessible internal and external resources.

# The Federal Ministry of Health



September, 2000

# 1. SUMMARY OF BASIC HEALTH INDICATORS

Indicator	1985	1989	1990	1991	1992
Total Population	53,477,265	58,117,000	59,882,000	61,672,000	63,495,000
PHS Coverage (%)	46.37	53.23	50.70	49.10	50.71
EPI Coverage (%)*	14.0	59.3	42.7	38.4	41.91
CPR (%)**	1.5	9.8	6.0	7.9	13.34
Antenatal Coverage (%)	20.7	30.4	25.7	25.5	29.06
<b>Number of Facilities</b>					
Hospitals	73	87	96	100	103
Health Centers	157	257	282	304	356
Health Stations	2087	2451	2331	2268	2330
Health Posts	NA	NA	802	1012	***833
Private Clinics	NA	541	712	966	1119
Pharmacies	NA	197	292	272	304
Drug Shops	NA	148	222	243	250
Rural Drug Vendors	NA	1460	1659	1858	1950
<b>Health Manpower at Service ****</b>					
Physicians	1327	1483	1415	1283	1263
Health Officers	37	30	75	144	201
Nurses	3716	4114	4774	5498	6713
Health Assistants	10979	10625	12521	10641	8330
Para Medicals	1825	1788	1772	1989	2201
<b>Health Budget (% National)</b>					
Total	5.4	6.0	5.6	5.3	4.75
Capital	4.6	5.9	6.6	4.9	7.93
Recurrent	6.2	6.0	5.5	5.6	3.51
<b>Health Per capita Expenditure (ETB)</b>	4.8	9.6	11.3	17.9	8.29

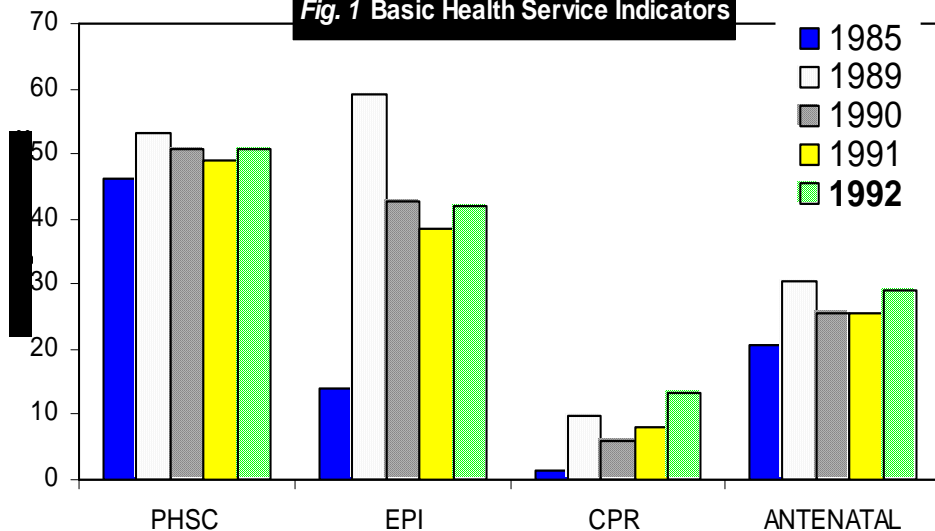
\* Coverage shows only for DPT<sub>3</sub>

\*\* does not include services outside the government health institutions

\*\*\* The number decreases because at least 199 health posts were closed due to being out of standard and are currently non functional.

\*\*\*\* Numbers show only active manpower in facilities owned by government.

**Fig. 1 Basic Health Service Indicators**



## 2. MAJOR HEALTH SECTOR DEVELOPMENT TARGETS

Indicators	1989	1994	2010
IMR /1000 live births	110-128	90-95	50
MMR /100,000 live births	560-850	450-500	300
Life Expectancy at Birth (Years)	52	55-60	64
EPI Coverage (%)	59.3	70-80	90
Contraceptive Coverage (%)	9.8	15-20	40
Health Service Coverage (%)	53.23	50	100
Population Growth Rate (%)	2.9	2.5-2.7	2.0
<b>Health Facility Construction</b>			
PHCU		216	864
District Hospital		12	48
Zone Hospital		5	20
Specialized Hospital		2	8
<b>Health Facility Renovation</b>			
PHCU		159	600
District Hospital		50	100
Zone Hospital		10	20
Specialized Hospital		5	10

### 3. DEMOGRAPHY & VITAL STATISTICS

#### 3.1 SOME DEMOGRAPHIC INDICATORS, 1992

Region	Population						Dependency Ratio (%)	Pop. Density Per Km <sup>2</sup>	**Average HH Size
	Both Sexes	Sex Ratio	Urban %	Under One (%)	Under Five (%)	Female 15-49 (%)			
Tigray	3694650	96.79	16.84	4.19	18.01	23.10	73.77	4.3	
Afar	1215809	127.70	8.14	3.47	15.18	22.33	*9.84	5.7	
Amhara	16295514	100.23	10.31	4.16	17.79	23.10	102.38	4.5	
Oromia	22353506	99.70	11.85	4.43	18.68	22.99	63.32	4.8	
Somali	3698144	117.94	15.14	3.32	15.43	22.54	*9.84	6.6	
Ben.-Gumuz	536619	101.72	8.75	3.94	17.37	23.96	10.88	4.5	
SNNPR	12515599	98.77	7.65	4.66	19.25	23.76	111.41	4.7	
Gambella	211312	103.92	17.06	3.62	15.28	26.96	8.19	4.5	
Hareri	160233	102.10	60.63	4.01	15.24	27.08	516.88	4.3	
Addis Ababa	2495837	92.97	100.00	2.52	9.01	33.85	4709.13	5.1	
Dire Dawa	317484	101.08	72.01	4.29	16.08	27.56	262.38	4.7	
<b>National</b>	<b>63,494,707</b>	<b>100.70</b>	<b>14.92</b>	<b>4.23</b>	<b>17.85</b>	<b>23.62</b>	<b>87.83</b>	<b>4.8</b>	

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

\* An average density computed for the two regions taking the sum of their population and land area data.

\*\* Numbers indicate year 1987.

### 3.2 VITAL STATISTICS, 1987-1992

Region	CBR per 1000	CDR per 1000	RNI (%)	GFR per 1000	TFR (Child Per Woman)	IMR per 1000	Under 5 MR '000	Male LE	Female LE
Tigray	44.70	16.20	2.85	194.86	6.72	116	171	49.5	52.4
Afar	37.10	13.20	2.39	171.76	6.20	112	167	54.4	48.3
Amhara	43.80	15.20	2.86	195.10	6.54	109	159	50.9	53.5
Oromia	46.40	15.50	3.09	206.69	7.00	111	163	50.5	53
Somali	37.00	11.20	2.58	182.97	6.30	96	139	56.2	52.9
B/Gum	43.00	17.30	2.57	193.61	6.26	131	196	47.6	48.6
SNNPR	48.60	16.00	3.26	212.14	6.91	121	179	48.9	51.0
Gambella	36.50	10.30	2.62	141.30	4.64	92	132	55.1	55.8
Hareri	37.20	14.00	2.32	140.63	4.61	106	156	53.1	52.2
Addis Ababa	20.40	8.30	1.21	60.75	2.14	72	100	57.8	61.6
Dire Dawa	38.90	13.50	2.54	144.74	4.85	107	157	51.6	53.3
<b>National</b>	<b>44.17</b>	<b>14.96</b>	<b>2.92</b>	<b>194.83</b>	<b>6.52</b>	<b>110</b>	<b>161</b>	<b>51.0</b>	<b>53.0</b>

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

## 4. EDUCATION & ECONOMIC STATISTICS

### 4.1 SCHOOL AGE POPULATION, ENROLLEMENT AND GROSS ENROLLEMENT RATIOS BY REGION AND SEX, 1992

#### A. Primary (Grade 1-8)

Region	School Age Population (7-14)		Enrollment		Gross Enrollment Ratio	
	Both Sexes	Female	Both Sexes	Female	Both Sexes	Female
Tigray	744,617	366,839	472,834	224,407	63.5	61.2
Afar	241,739	102,240	22,088	7,841	9.1	7.7
Amhara	3,220,447	1,594,619	1,507,124	689,668	46.8	43.2
Oromiya	4,534,325	2,244,732	2,341,195	810,581	51.6	36.1
Somali	800,695	358,053	66,834	20,026	8.3	5.6
Benishangul	109,717	53,736	89,777	30,715	81.8	57.2
SNNP	2,516,197	1,248,341	1,504,351	522,768	59.8	41.9
Gambella	39,933	19,396	37,421	13,830	93.7	71.3
Hareri	26,200	12,823	25,207	10,417	96.2	81.2
Addis Ababa	397,210	209,019	362,921	190,561	91.4	91.2
Dire Dawa	52,505	25,977	32,751	14,419	62.4	55.5
<b>National</b>	<b>12,683,585</b>	<b>6,235,775</b>	<b>6,462,503</b>	<b>2,535,233</b>	<b>51.0</b>	<b>40.7</b>

#### B. Secondary

Region	School Age Population (15-18)		Enrollment		Gross Enrollment Ratio	
	Both Sexes	Female	Both Sexes	Female	Both Sexes	Female
Tigray	314,922	156,840	40,197	13,684	12.8	8.7
Afar	113,782	46,302	2,614	897	2.3	1.9
Amhara	1,370,503	676,896	110,970	52,291	8.1	7.7
Oromiya	1,939,046	957,284	173,932	63,957	9	6.7
Somali	367,772	158,749	2,397	757	0.7	0.5
Benishangul	46,329	22,931	4,012	1,273	8.7	5.6
SNNP	1,077,527	534,359	94,368	30,167	8.8	5.6
Gambella	19,322	9,520	3,011	562	15.6	5.9
Hareri	14,590	7,377	5,845	2,497	40.1	33.8
Addis Ababa	278,707	154,446	127,122	64,015	45.6	41.4
Dire Dawa	28,777	15,107	7,251	3,092	25.2	20.5
<b>National</b>	<b>5,571,277</b>	<b>2,739,811</b>	<b>571,719</b>	<b>233,192</b>	<b>10.3</b>	<b>8.5</b>

Source: Education Statistics Annual Abstract 1992, August 2000 G.C. (MOE)



## 4.2 SOCIO-ECONOMIC DATA, 1984-1992

Million ETB.

S.N	ECONOMIC INDICATORS	1984 1991/92	1985 1992/93	1986 1993/94	1987 1994/95	1988 1995/96	1989 1996/97	1990 1997/98	1991 1998/99	1992 1999/2000
1	Gross Domestic Expenditure	22,077.90	28,969.40	31,196.40	36,936.90	41,689.40	44,406.60	49,649.70	56,839.80	62,168.1
2	Consumption Expenditure	20,166.80	25,177.30	26,902.70	31,367.90	35,285.00	37,357.50	41,723.60	47,992.70	54,458.0
	• Government	2,107.80	2,818.80	3,155.20	4,021.20	4,239.70	4,526.30	6,251.40	7,315.40	12,365.7
	• Private	18,059.00	22,358.50	23,747.50	27,346.70	31,045.30	32,831.20	35,472.20	40,677.30	42,092.3
3	Gross Domestic Savings	625.20	1,494.10	1,426.20	2,517.10	2,652.60	4,107.60	3,311.30	1,157.60	(487.7)
4	Gross Capital Formation	1,911.10	3,792.10	4,293.70	5,569.00	6,404.40	7,049.10	7,926.10	8,847.10	7,710.1
5	GDP at Current Market	20,792.00	26,671.40	28,328.90	33,885.00	37,937.60	41,465.10	45,034.90	49,150.30	53,970.3
6	GDP Annual Growth Rate (%)	(3.70)	12.00	1.70	5.40	10.60	5.20	(0.50)	6.30	5.2
	• From Health	10.10	14.7	19.30	7.10	5.10	4.00	9.90	6.10	(0.6)

Source: Ministry of Economic Development and Cooperation

## 5. MATERNAL & CHILD HEALTH SERVICES

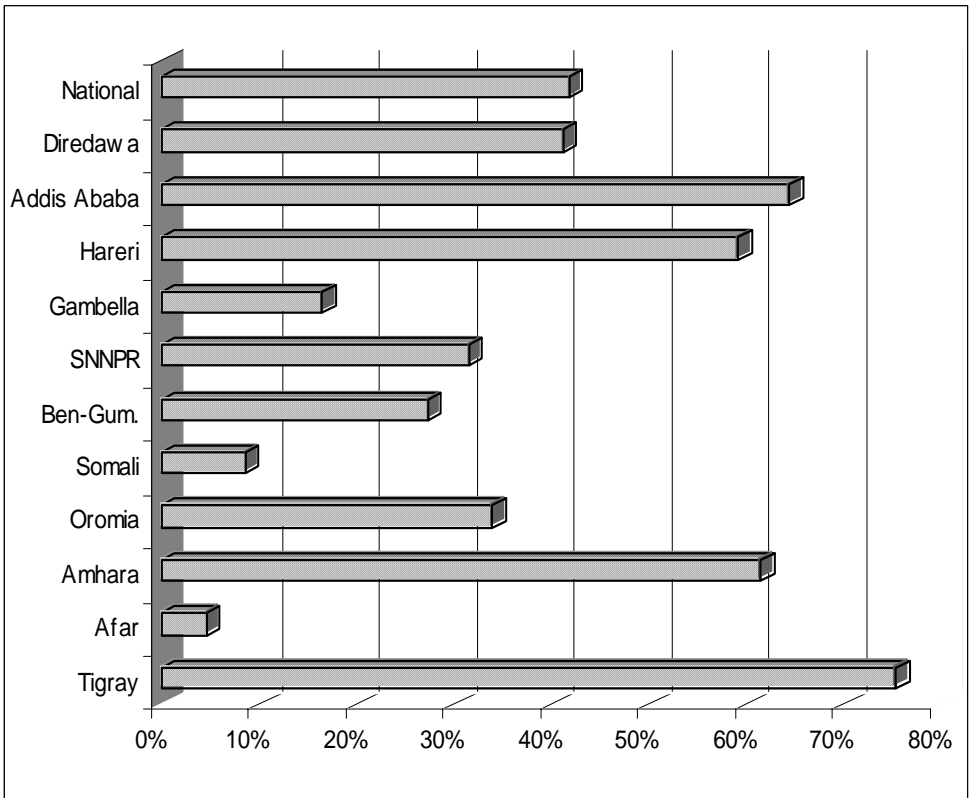
### 5.1 IMMUNIZATION COVERAGE BY ANTIGEN, 1992

Region	Target Population	BCG		DPT <sub>3</sub>		Measles		Fully Immunized	
		Achieved	Coverage	Achieved	Coverage	Achieved	Coverage	Achieved	Coverage
Tigray	154,870	122,258	78.94	116,984	75.54	104,496	67.47	77,013	49.73
Afar	42,173	3,112	7.38	1,923	4.56	3,467	8.22	355	0.84
Amhara	677,146	451,356	66.66	417,269	61.62	319,835	47.23	165,002	24.37
Oromia	991,049	453,939	45.80	336,676	33.97	268,030	27.05	219,898	22.19
Somali	122,634	15,740	12.83	10,546	8.60	11,422	9.31	10,546	8.60
Ben-Gum.	21,133	7,521	35.59	5,774	27.32	5,424	25.67	3,452	16.33
SNNPR	583,602	260,180	44.58	184,025	31.53	148,123	25.38	103,536	17.74
Gambella	7,656	2,071	27.05	1,267	16.55	1,437	18.77	264	3.45
Hareri	6,429	4,991	77.63	3,814	59.32	3,556	55.31	3,079	47.89
Addis Ababa	62,927	39,555	62.86	40,629	64.57	34,083	54.16	628	* 1.00
Diredawa	13,606	6,881	50.58	5,614	41.26	4,694	34.50	1,755	12.90
<b>National</b>	<b>2,683,224</b>	<b>1,367,604</b>	<b>50.97</b>	<b>1,124,521</b>	<b>41.91</b>	<b>904,567</b>	<b>33.71</b>	<b>585,528</b>	<b>**22.32</b>

\* Incomplete (data not available from Addis Ababa Regional Health Bureau)

\*\* Excludes Addis Ababa from the calculation.

**Fig. 2** Immunization (DPT<sub>3</sub>) Coverage by Region, 1992



## 5.2 TT2+ ACHIEVEMENT & COVERAGE BY REGION, 1992

Region	TT2+ Achievement & Coverage in					
	Pregnant Women			Non-Pregnant Women		
	Target population	Achieved	Coverage	Target population	Achieved	Coverage
Tigray	165,151	19,988	12.10	689,791	118,099	17.12
Afar	45,107	1,184	2.62	564,135	1,351	0.24
Amhara	713,744	237,752	33.31	3,047,261	797,809	26.18
Oromia	1,037,203	266,417	25.69	4,095,162	689,359	16.83
Somali	136,831	10,841	7.92	689,704	6,038	0.88
Ben-Gum.	23,075	4,163	18.04	105,070	11,334	10.79
SNNPR	608,258	104,483	17.18	2,371,706	102,564	4.32
Gambella	7,713	582	7.55	49,024	709	1.45
Hareri	5,961	2,538	42.58	37,495	4,924	13.13
Addis Ababa	50,915	32,126	63.10	776,704	NA	NA
Dire Dawa	12,350	2,015	16.32	74,672	2,763	3.70
<b>National</b>	<b>2,806,306</b>	<b>682,089</b>	<b>24.31</b>	<b>12,500,725</b>	<b>1,734,950</b>	<b>*13.88</b>

\* Excludes Addis Ababa from calculation

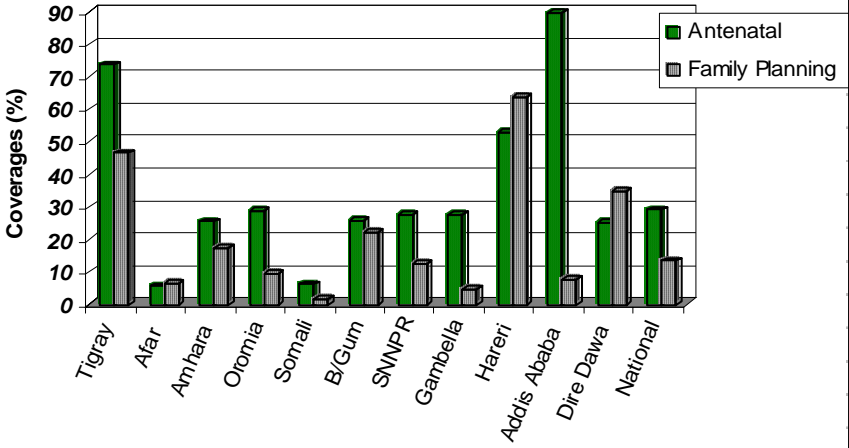
### 5.3 MATERNAL HEALTH SERVICES ACHIEVEMENT & COVERAGE BY REGION, 1992

Region	Expected Delivery / Pregnancy	Antenatal		Attended Delivery		Postnatal Services		*Women Aged 15 -49	Family Planning		
		Achieved	Coverage	Achieved	Coverage	Achieved	Coverage		New Acceptors	Continual Acceptors	Coverage
Tigray	165,151	118,183	71.56	51,697	31.30	40,976	24.81	689,791	169,394	142,902	45.27
Afar	45,107	2,455	5.44	0		0		564,135	18,833	17,775	6.49
Amhara	713,744	176,887	24.78	44,157	6.19	31,759	4.45	3,047,261		511,876	16.80
Oromia	1,037,203	290,067	27.97	0	0.00	52,117	5.02	4,095,162	374,567		9.15
Somali	136,831	8,244	6.02	2,731	2.00	12,480	9.12	689,704	4,785	7,897	1.84
B/Gum	23,075	5,807	25.17	2,445	10.60	253	1.10	105,070	10,009	12,846	21.75
SNNPR	608,258	161,385	26.53	39,176	6.44	12,294	2.02	2,371,706	144,204	143,379	12.13
Gambella	7,713	2,088	27.07	601	7.79	218	2.83	49,024	2,168		4.42
Hareri	5,961	3,030	50.83	1,527	25.62	627	10.52	37,495	6,111	16,883	61.33
Addis Ababa	50,915	44,376	87.16	20,785	40.82	NA		776,704		58,927	7.59
Dire Dawa	12,350	2,996	24.26	2,327	18.84	305	2.47	74,672	24,830		33.25
<b>National</b>	<b>2,806,306</b>	<b>815,518</b>	<b>29.06</b>	<b>165,446</b>	<b>9.60</b>	<b>151,029</b>	<b>**5.48</b>	<b>12,500,725</b>	<b>1,325,704</b>	<b>341,682</b>	<b>13.34</b>

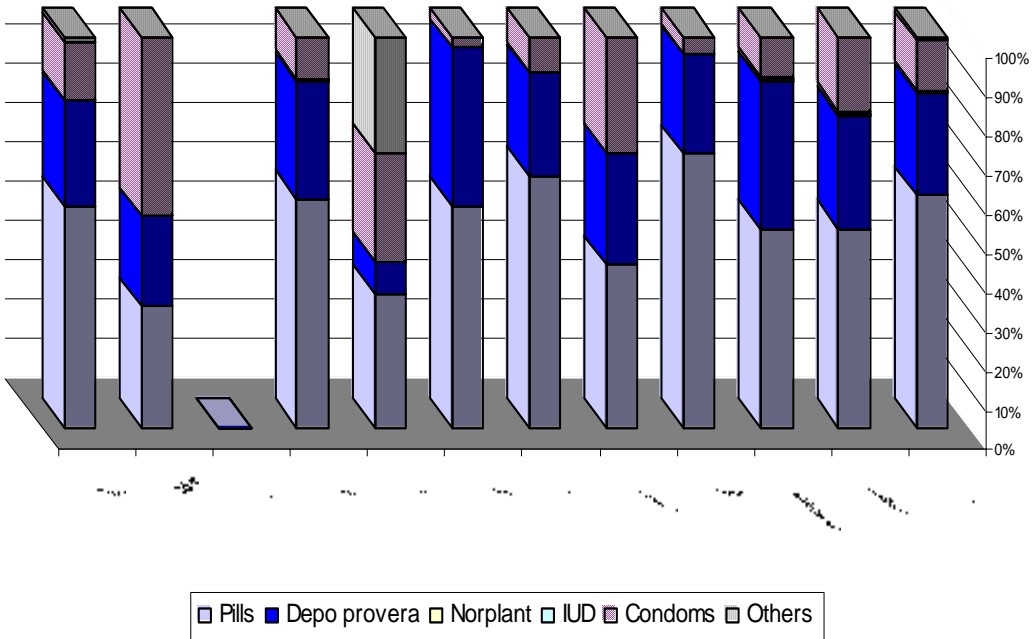
\* Excludes expected pregnant women

\*\* Excludes the regions with no data from calculation

**Fig. 3 Antenatal & Family Planning Coverages**



**Fig. 4 Contraceptive Users by Type of Contraceptive Method**



## 5.4 PERCENTAGE OF CONTRACEPTIVE USERS BY TYPE OF CONTRACEPTIVE METHOD

Region	Pills	Depo provera	Norplant	IUD	Condoms	Others
Tigray	56.70	26.99	0.15	0.04	14.71	1.41
Afar	31.16	22.91	0.00	0.00	45.93	0.00
Amhara	NA	NA	NA	NA	NA	NA
Oromia	58.59	30.17	0.17	0.34	10.64	0.09
Somali	34.49	8.17	0.00	0.08	27.61	29.66
B/Gum	56.63	40.62	0.00	0.00	2.75	0.00
SNNPR	64.33	26.34	0.08	0.41	8.59	0.25
Gambella	41.65	28.60	0.00	0.00	29.75	0.00
Hareri	70.01	25.47	0.00	0.27	4.25	0.00
Addis Ababa	50.91	37.85	0.16	1.03	10.04	0.00
Dire Dawa	50.96	28.67	0.56	0.92	18.88	0.00
<b>National</b>	<b>59.40</b>	<b>26.38</b>	<b>0.09</b>	<b>0.36</b>	<b>12.68</b>	<b>1.09</b>

## 6. ENVIRONMENTAL HEALTH SERVICES

Activities	Access to safe water			Access to sanitation		
	%			%		
Years	1990	*1991	1992	1990	*1991	1992
Rural	14.3	24.7	NA	5.7	7.2	NA
Urban	78.9	83.5	NA	55.0	74.1	NA
<b>National</b>	<b>23.1</b>	<b>33.2</b>	<b>NA</b>	<b>12.5</b>	<b>16.9</b>	<b>NA</b>

\* The coverage for the year 1991 is corrected & updated due to population change and change in the actual data.

## 7. HEALTH INFRASTRUCTURE

### 7.1 POTENTIAL HEALTH SERVICE COVERAGE AND VISIT PER CAPITA, 1992

Region	Population	Health Center	Health Station	Health Post	** Potential Health Service Coverage (%)	Out Patient	
						Total Visit	Visit per Capita
Tigray	3694650	29	171	101	65.91	2,664,365	0.72
Afar	1215809	5	57	25	57.16	340,263	0.28
Amhara	16295514	67	523	308	42.37	2,518,043	0.15
Oromia	22353506	93	956	102	53.17	6,290,510	0.28
Somali	3698144	18	88	11	35.96	253,492	0.07
B/Gum	536619	7	72	40	166.79	460,781	0.86
SNNPR	12515599	107	353	***208	49.58	2,872,427	0.23
Gambella	211312	5	36	0	229.52	173,020	0.82
Hareri	160233	2	17	7	137.30	44,472	0.28
Addis Ababa	2495837	21	39	21	36.66	1,264,868	0.51
Dire Dawa	317484	2	18	10	72.44	122,473	0.39
<b>National</b>	<b>63,494,707</b>	<b>356</b>	<b>2330</b>	<b>833</b>	<b>50.71</b>	<b>17,004,714</b>	<b>0.27</b>

\*Includes Central TB Sanatorium

\*\* Only health Centers and health stations considered (with capacity of 25,000 & 10,000 persons respectively)

\*\*\* 199 health posts are reported closed due to being out of standard.



<b>7.2 NUMBER OF INPATIENTS, DAYS, DEATHS AND BEDS, 1992</b>									
<b>Regions</b>	<b>Hospitals</b>								
	<b>Total Discharged</b>		<b>Discharged Dead</b>		<b>No of Beds</b>	<b>Total Length of Stay in Days</b>	<b>Ave. Length of stay</b>	<b>Bed Occupancy Rate</b>	
	<b>Both Sexes</b>	<b>Female</b>	<b>Both Sexes</b>	<b>Female</b>					
Tigray	25298	12021	944	342	1233	148287	20.52	32.95	
Afar	1351	NA	142	NA	208	NA	6.50		
Amhara	NA	NA	NA	NA	1634	NA			
Oromia	NA	NA	NA	NA	2643	NA			
Somali	5142	2669	417	NA	248	20162	20.73	22.27	
Benishangul	3523	1883	127	NA	171	16187	20.60	25.93	
SNNPR	27521	15069	996	538	963	NA	28.58		
Gambella	2692	1374	177	76	89	12188	30.25	37.52	
Hareri	7404	4494	341	NA	258	52754	28.70	56.02	
Addis Ababa	NA	NA	NA	NA	2126	NA			
Diredawa	7140	NA	371	NA	245	53108	29.14	59.39	
Central	15444	7970	1205	NA	1871	298161	8.25	43.66	
<b>National</b>	<b>95515</b>	<b>45480</b>	<b>4720</b>	<b>956</b>	<b>11689</b>	<b>600847</b>	<b>8.17</b>	<b>*40.00</b>	

\* Calculated by excluding Afar, Amhara, Oromia, SNNPR, and Addis Ababa.

### 7.3 DISTRIBUTION OF HEALTH INFRASTRUCTURE, 1992

Region	Hospitals				Health Centers				Health Stations			Health Posts
	MOH	Others*	Total	Beds	MOH	Other**	Total	Beds	MOH	Other**	Total	
	Tigray	12	0	12	1233	29	0	29	300	159	12	
Afar	2	0	2	208	5	0	5	28	52	5	57	25
Amhara	14	2	16	1634	66	1	67	312	523	NA	523	308
Oromia	18	9	27	2643	92	1	93	351	791	165	956	102
Somali	6	0	6	248	10	8	18	200	80	8	88	11
Ben.-Gumz	2	0	2	171	7	0	7	6	68	4	72	40
SNNPR	10	2	12	963	103	4	107	88	300	53	353	208
Gambella	1	0	1	89	2	6	5	0	36	0	36	0
Hareri	3	2	5	258	2	0	2	10	8	9	17	7
Addis Ababa	5	***8	13	2126	19	1	20	151	6	33	39	21
Diredawa	1	1	2	245	2	0	2	8	6	12	18	10
Central**	4	1	5	1871	1	0	1	0				
<b>National</b>	<b>78</b>	<b>25</b>	<b>103</b>	<b>11689</b>	<b>338</b>	<b>21</b>	<b>356</b>	<b>1454</b>	<b>2029</b>	<b>301</b>	<b>2330</b>	<b>833</b>

\* Includes facilities owned by OGA & NGOs

\*\* Includes the 5 central hospitals (Black Lion, St. Paulos, St. Peter, Amanuel Hospitals, and ALERT)

\*\*\* Includes private hospitals.

#### 7.4. DISTRIBUTION OF HOSPITALS BY TYPE AND OWNERSHIP, 1992

Region	MOH			OGA	NGO	Private	Total
	Specialized Hospital	Zonal Hospital	District Hospital				
Tigray	0	5	7	0	0	0	12
Afar	0	1	1	0	0	0	2
Amhara	0	6	8	2	0	0	16
Oromia	2	11	5	5	4	0	27
Somali	0	1	5	0	0	0	6
Benishangul	0	1	1	0	0	0	2
SNNPR	0	6	4	0	2	0	12
Gambella	0	0	1	0	0	0	1
Hareri	1	1	1	2	0	0	5
Addis Ababa	0	5	0	4	1	3	13
Dire Dawa	0	0	1	1	0	0	2
Central	5	0	0	0	0	0	5
<b>National</b>	<b>8</b>	<b>37</b>	<b>34</b>	<b>14</b>	<b>7</b>	<b>3</b>	<b>103</b>

#### 7.5. DISTRIBUTION OF PRIVATE OWNED CLINICS BY TYPE AND REGION, 1992

Region	Types of Clinics				Total
	Lower	Medium	Higher	Special	
Tigray	15	1	0	0	16
Afar	3	1	0	0	4
Amhara	115	41	3	1	160
Oromia	286	100	9	4	399
Somali	0	0	0	0	0
Benishangul	1	3	0	0	4
SNNP	101	35	8	0	144
Gambella	21	4	0	0	25
Harari	12	2	0	0	14
Addis Ababa	132	91	64	53	340
Dire Dawa	5	7	1	0	13
<b>National</b>	<b>691</b>	<b>285</b>	<b>85</b>	<b>58</b>	<b>1119</b>

## 7.6 HEALTH FACILITY CONSTRUCTION & EXPANSION

Region	Type of Construction	1984-1992					1992					
		HP	HS	HC	DH	ZH	HP	HS	HC	DH	ZH	SH
Tigray	New	103	16	17	6	2	0	0	0	1	0	0
	Expansion	0	0	0	2	3	0	0	0	0	0	0
	Ongoing	0	0	7	1	2	0	0	7	1	2	1
Afar	New	38	17	3	0	0	21	0	2	0	0	0
	Expansion	0	1	2	1	0	0	0	0	0	0	0
	Ongoing	1	0	1	0	0	1	0	1	0	0	0
Amhara	Upgraded	0	0	0	0	1	0	0	0	0	1	0
	New	300	138	24	4	0	0	0	0	0	0	0
	Expansion	0	1	0	1	2	0	0	0	0	0	0
Oromia	Rehabilitation	0	150	0	1	5	0	0	0	0	0	0
	Ongoing	61	0	16	0	0	0	0	0	0	0	0
	New	85	144	61	0	5	0	0	0	0	0	0
Somali*	Rehabilitation	0	23	3	0	4	0	0	0	0	0	0
	Ongoing	41	0	12	2	0	0	0	0	0	0	0
	New	0	0	0	0	0	5	0	0	1	1	0
Benishangul*	Expansion	0	0	0	0	0	0	0	1	1	0	0
	Rehabilitation	0	0	1	0	0	0	0	0	1	0	0
	Ongoing	1	8	5	0	0	1	8	5	0	0	0
SNNP	Upgraded	24	0	3	0	0	22	0	2	0	0	0
	New	0	6	0	0	0	0	0	0	0	0	0
	Rehabilitation	7	0	3	0	0	7	0	3	0	0	0
Gambella	Ongoing	0	0	1	0	0	0	0	1	0	0	0
	New	158	54	52	1	1	4	0	3	0	0	0
	Expansion	0	60	9	1	0	0	0	0	1	0	0
Hareri	Ongoing	4	0	10	3	1	4	0	10	3	1	1
	Rehabilitation	0	4	0	2	0	0	0	0	0	0	0
	New	0	23	1	0	0	0	3	0	0	0	0
Addis Ababa	Expansion	0	1	0	0	0	0	0	0	0	0	0
	Rehabilitation	0	0	0	0	1	0	0	0	0	0	0
	Ongoing	0	0	3	0	2	0	0	3	0	1	0
DD	New	7	3	3	0	0	0	0	1	0	0	0
	Expansion	0	0	0	0	1	0	0	0	0	0	0
	Rehabilitation	0	0	0	0	2	0	0	0	0	1	0
National	upgraded	0	0	5	0	0	0	0	0	0	0	0
	New	11	1	3	0	0	1	0	1	0	0	0
	Expansion	2	2	0	0	1	0	0	0	0	0	0
National	Rehabilitation	0	1	1	0	0	0	0	0	0	0	0
	Ongoing	0	0	0	0	0	0	0	0	0	0	0
	upgraded	0	0	0	0	0	0	0	0	0	0	0
	New	726	396	168	11	8	53	3	9	2	1	0
	Expansion	2	4	2	4	7	0	0	1	1	0	0
Rehabilitation	0	241	14	2	14	0	0	0	2	1	0	
Ongoing	115	8	57	6	4	13	8	29	4	4	2	
upgraded	0	4	6	2	1	0	0	1	0	1	0	

**7.7 DISTRIBUTION OF PHARMACEUTICAL RETAIL OUTLETS  
BY REGION & OWNERSHIP, 1992**

Region	Pharmacies				Drug Shops				Rural Drug Vendors		
	Public	NGO	Private	Total	Public	NGO	Private	Total	NGO	Private	Total
	Tigray	0	1	15	16	2	1	11	14	0	224
Afar	0	0	1	1	0	0	3	3	0	52	52
Amhara	8	4	23	35	0	1	44	45	0	268	268
Oromia	2	3	57	62		1	96	97	2	838	840
Somali	0	0	0	0	0	1	2	3	0	19	19
Benishangul	0	0	0	0	0	0	2	2	0	35	35
SNNPR	4	0	26	30	4	0	41	45	0	471	471
Gambella	0	0	1	1	0	0	0	0	0	17	17
Hareri	0	1	6	7	0	0	3	3	0	4	4
Diredawa	1	1	13	15	1	0	3	4	0	10	10
Addis Ababa	9	1	127	137	1	0	33	34	0	10	10
<b>National</b>	<b>24</b>	<b>11</b>	<b>269</b>	<b>304</b>	<b>8</b>	<b>4</b>	<b>238</b>	<b>250</b>	<b>2</b>	<b>1948</b>	<b>1950</b>

## 8. HUMAN RESOURCES

### 8.1 HEALTH HUMAN RESOURCE DISTRIBUTION BY REGION AND SEX

Profession	Tig	Afar	Amh	Orom	Som	Ben	SNNP	Gam	Har	A/A	DD	Cent	Total
Physicians	71	17	170	268	47	29	180	13	48	185	35	200	1263
Female	NA	1	13	NA	0	0	14	0	4	64	3	26	125
Health Officers	26	7	47	58	3	7	35	5	3	4	3	3	201
Female	NA	3	4	NA	0	1	5	0	0	0	0	0	13
Pharmacists	0	2	8	14	3	2	12	2	2	6	4	31	86
Female	0	0	0	NA	0	0	0	0	0	2	1	3	6
Nurses	631	155	1476	1807	292	211	957	133	125	429	109	388	6713
Female	NA	36	720	NA	66	49	257	24	59	313	65	254	1843
Env. Health W.	65	14	205	239	28	29	157	21	2	35	13	17	825
Female	NA	0	8	NA	2	1	8	0	0	5	1	4	29
Lab. Tech.	69	15	169	209	29	27	153	11	29	60	14	34	819
Female	NA	1	31	NA	2	2	20	3	4	22	3	16	104
X-Ray Tech.	14	2	25	51	6	6	24	2	9	25	4	29	197
Female	NA	0	0	NA	2	0	0	0	1	2	0	6	11
Pharm. Tech.	34	13	67	92	10	14	49	9	10	44	10	8	360
Female	NA	0	22	NA	1	1	7	2	3	11	2	2	51
Health Ass.	1128	82	1735	2578	209	175	1430	86	102	425	72	308	8330
Female	NA	11	499	NA	46	13	274	11	63	275	26	188	1406
*FLHW	6069	83	288	246	0	31	133	11	19	NA	13		6893
Female	NA	13		NA	0	12	41	6	3	NA	1		76

\*FLHW includes CHA, TBA, and PHW

## 8.2. DISTRIBUTION OF PHYSICIANS BY SPECIALIZATION AND REGION

Region	Tig	Afar	Amh	Orom	Som	Ben	SNNP	Gam	Har	A/A	DD	Cent	Total
<b>Total</b>	71	17	170	268	47	29	180	13	48	185	35	200	1263
<b>Specialists</b>													
Surgeons	5	0	6	8	2	2	5	0	2	13	2	24	69
Internists	1	0	6	2	0	0	4	0	1	13	1	21	49
Pediatricians	2	0	4	6	3	0	4	0	3	4	1	11	38
Ob.Gyn.	2	0	7	10	2	0	2	0	2	8	2	13	48
Ophthalmologists	1	0	3	3	0	0	0	0	1	8	1	13	30
ENT Specialists	0	0	0	0	0	0	0	0	0	4	0	3	7
Anesthesiologists		0	1	1	0	1	0	0	1	2	0	7	13
Dermatologists		0	0	2	0	0	0	0	0	0	0	6	8
Psychiatrists		0	0	0	0	0	0	0	0	0	0	14	14
Orthopedists		0	2	2	0	0	0	0	0	1	0	3	8
Neurologists		0	0	0	0	0	0	0	0	1	0	0	1
Dentists		0	2	0	1	0	0	0	0	5	0	1	9
Radiologists	1	0	1	1	0	0	1	0	1	5	1	12	23
Physiotherapists	2	0	0	0	0	0	0	0	0	6	0	5	13
MD + MPH	7	0	8	7	5	0	6	1	0	2	0	4	40
<b>Gen. Practitioners</b>	50	17	130	226	34	26	158	12	37	113	27	63	893

Physicians

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

Region	Mid-Wife Nurse		Psychiatry Nurse		Anaesthist Nurse		MCH Nurse		Dental Nurse		Clinical Nurse		Public Health N.		Other Nurses *		Total	
	BS	F	BS	F	BS	F	BS	F	BS	F	BS	F	BS	F	BS	F	BS	F
	Tigray	18	NA	2	NA	16	NA	3	NA	11	NA	548	NA	21	NA	12	NA	631
Afar	11	4	0	0	2	0	0	0	0	0	122	30	16	2	4	1	155	37
Amhara	410	330	8	2	18	4	8	2	5	0	908	343	100	33	19	6	1476	720
Oromia	164	NA	15	NA	21	NA	11	NA	4	NA	1412	NA	152	NA	28	NA	1807	NA
Somali	18	7	0	0	3	0	0	0	0	0	244	51	17	15	10	2	292	75
Ben.-Gumuz	11	8	0	0	2	0	0	0	1	0	163	36	34	5	0	0	211	49
SNNPR	86	46	10	2	14	4	9	1	4	0	741	217	70	21	23	6	957	297
Gambella	4	1	2	1	0	0	1	0	1	0	103	20	22	2	0	0	133	24
Hareri	14	9	2	1	3	1	4	3	1	0	88	42	8	3	5	0	125	59
Addis Ababa	48	44	0	0	18	11	3	2	1	1	227	154	2	1	130	100	429	313
Dire Dawa	9	7	2	1	0	0	2	2	0	0	90	52	5	3	1	0	109	65
Central	25	25	32	11	17	7	9	8	0	0	6	4	0	0	299	199	388	254
<b>National</b>	<b>818</b>	<b>481</b>	<b>73</b>	<b>18</b>	<b>114</b>	<b>27</b>	<b>50</b>	<b>18</b>	<b>28</b>	<b>1</b>	<b>4652</b>	<b>949</b>	<b>447</b>	<b>85</b>	<b>531</b>	<b>314</b>	<b>6713</b>	<b>1893</b>

\* includes B.Sc., Tutor & Surgical Nurses



#### 8.4 HEALTH PROFESSIONALS POPULATION RATIO BY REGION

Region	Population	Physician			Nurse			Health Assistant		Environmental Health Worker	
		No.	Ratio	*Index	No.	Ratio	Index	No.	Ratio	No.	Ratio
Tigray	3593000	71	50,606	5.06	631	5,694	1.14	1128	3,185	65	55,277
Afar	1188000	17	69,882	6.99	155	7,665	1.53	82	14,488	14	84,857
Amhara	15850000	170	93,235	9.32	1476	10,738	2.15	1735	9,135	205	77,317
Oromia	21694000	268	80,948	8.09	1807	12,006	2.4	2578	8,415	239	90,770
Somali	3602000	47	76,638	7.66	292	12,336	2.47	209	17,234	28	128,643
Benishan-gul	523000	29	18,034	1.8	211	2,479	0.5	175	2,989	29	18,034
SNNPR	12132000	180	67,400	6.74	957	12,677	2.54	1,430	8,484	151	80,344
Gambella	205857	13	15,835	1.58	133	1,548	0.31	86	2,394	21	9,803
Hareri	154000	48	3,208	0.32	125	1,232	0.25	102	1,510	2	77,000
Addis Ababa	2424000	185	13,103	1.31	429	5,650	1.13	425	5,704	35	69,257
Dire Dawa	305218	35	8,721	0.87	109	2,800	0.56	72	4,239	13	23,478
Central		200			388			308		17	
<b>National</b>	<b>61,671,075</b>	<b>1,263</b>	<b>48,829</b>	<b>4.88</b>	<b>6,713</b>	<b>9,187</b>	<b>1.84</b>	<b>8,330</b>	<b>30,683</b>	<b>819</b>	<b>75,300</b>
<b>WHO Standard</b>			<b>1:10000</b>			<b>1:5000</b>					

Remark: the ratio is calculated based on the professionals working under MOH only.  
 \* An adjustment factor needed to reach the standard.

## 9. BUDGET ALLOCATION & EXPENDITURE

### 9.1 RECURRENT HEALTH BUDGET ALLOCATION & EXPENDITURE BY REGION, 1992

Region	*Budget	**Expenditure	% Expenditure
Tigray	31,379,000	29,439,140	93.82
Afar	9,079,000	9,008,930	99.23
Amhara	63,319,000	65,272,134	103.08
Oromia	98,456,000	94,975,000	96.46
Somali	15,584,000	13,860,100	88.94
Ben-Gum	8,518,000	8,508,652	99.89
SNNPR	58,784,000	42,626,100	72.51
Gambella	6,623,000	7,349,116	110.96
Hareri	7,681,000	8,173,050	106.41
Addis Ababa	53,864,000	45,799,000	85.03
Dire Dawa	4,882,000	3,921,298	80.32
Federal MOH	48,630,000	69,480,000	142.87
<b>National</b>	<b>406,799,000</b>	<b>398,412,520</b>	<b>97.94</b>

### 9.2 CAPITAL HEALTH BUDGET ALLOCATION

#### & EXPENDITURE BY REGION, 1992

Region	*Budget	***Expenditure	% Expenditure
Tigray	7,395,000	7,400,000	100.07
Afar	35,015,000	8,729,000	24.93
Amhara	70,612,000	11,754,000	16.65
Oromia	64,281,000	19,364,000	30.12
Somali	23,269,000	14,433,000	62.03
Ben-Gum	9,728,000	2,136,000	21.96
SNNPR	68,183,000	29,652,000	43.49
Gambella	4,998,000	3,643,000	72.89
Hareri	1,910,000	582,000	30.47
A/Ababa	43,298,000	490,000	1.13
Diredawa	2,042,000	317,000	15.52
Federal MOH	29,806,000	78,200,000	262.36
<b>National</b>	<b>360,537,000</b>	<b>176,700,000</b>	<b>49.01</b>

\* Original budgets

\*\* Amhara, Oromia, Somali, SNNPR, Gambella, Addis Ababa, Dire Dawa completed report. The figures for the rest of the regions includes projection.

\*\*\* Amhara, Oromia, Somali, Ben-Gum, SNNPR, Gambella, Addis Ababa completed report. The figures for the rest of the regions includes projection.

Source: Ministry of Finance

### 9.3 HEALTH EXPENDITURE PER CAPITA BY REGION, 1992

Region	Population 1992	Budget Allocation	Total Expenditure	Per capita
Tigray	3,694,650	38,774,000	36,839,140	9.97
Afar	1,215,809	44,094,000	17,737,930	14.59
Amhara	16,295,514	133,931,000	77,026,134	4.73
Oromia	22,353,506	162,737,000	114,339,000	5.12
Somali	3,698,144	38,853,000	28,293,100	7.65
Ben-Gum	536,619	18,246,000	10,644,652	19.84
SNNPR	12,515,599	126,967,000	72,278,100	5.78
Gambella	211,312	11,621,000	10,992,116	52.02
Hareri	160,233	9,591,000	8,755,050	54.64
Addis Ababa	2,495,837	97,162,000	46,289,000	18.55
Dire Dawa	317,484	6,924,000	4,238,298	13.35
Federal MOH		78,436,000	147,680,000	
<b>National</b>	<b>63,494,707</b>	<b>767,336,000</b>	<b>575,112,520</b>	<b>8.29</b>

### 9.4 NATIONAL RECURRENT BUDGET ALLOCATION & EXPENDITURE

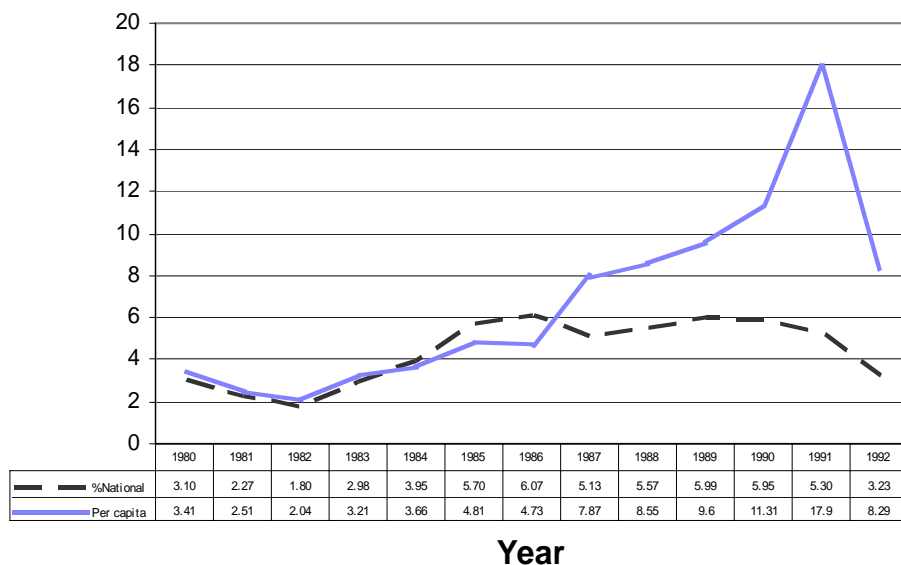
Year	Recurrent			
	Allocation	Expenditure	% Expenditure	% National
1980	133,157,111.00	117,645,563.00	88.35	3.50
1981	103,560,009.00	73,967,816.00	71.43	2.37
1982	75,507,467.00	56,890,315.00	75.34	1.52
1983	159,062,394.00	128,398,802.00	80.72	3.36
1984	160,799,956.00	151,508,560.00	94.22	4.10
1985	196,655,412.00	189,093,097.00	96.15	6.22
1986	300,921,100.00	257,700,000.00	85.64	6.54
1987	337,850,000.00	310,210,000.00	91.82	5.65
1988	357,040,000.00	328,060,000.00	91.88	6.05
1989	362,590,000.00	333,340,000.00	91.93	6.04
1990	379,800,000.00	394,264,000.00	103.81	5.46
1991	478,870,000.00	455,807,000.00	95.18	5.58
1992	406,799,000.00	398,412,486.00	97.94	3.51

Source: Ministry of Finance

## 9.5 NATIONAL CAPITAL BUDGET ALLOCATION & EXPENDITURE

Year	Capital			
	Allocation	Expenditure	% Expenditure	% National
1980	54,511,358.00	37,035,181.00	67.94	2.42
1981	65,989,537.00	43,712,369.00	66.24	2.13
1982	63,657,463.00	41,816,479.00	65.69	2.31
1983	48,914,848.00	32,083,363.00	65.59	2.18
1984	63,014,122.00	37,390,162.00	59.34	3.60
1985	68,185,200.00	66,800,000.00	97.97	4.59
1986	211,012,822.00	68,548,811.00	32.49	5.51
1987	224,690,000.00	119,960,000.00	53.39	4.50
1988	262,300,000.00	153,890,000.00	58.67	5.02
1989	307,098,736.00	216,420,000.00	70.47	5.93
1990	354,200,000.00	276,910,000.00	78.18	6.59
1991	303,100,000.00	648,390,000.00	213.92	4.91
1992	360,537,000	176,700,000	49.01	4.75

**Fig 5. Percentage of National Health Expenditure & Per Capita**



Source: Ministry of Finance

## 10. OUTPATIENT MORBIDITY & SURVEILLANCE REPORTS

### 10.1 LEADING CAUSES OF OUTPATIENT VISITS, 1991

Rank	Diagnosis	cases	%
1	All types of malaria	235372	7.00
2	Helminthiasis	214192	6.37
3	Acute upper respiratory Infections	209249	6.22
4	Infections of skin and subcutaneous tissue	137870	4.10
5	Bronchopneumonia	127437	3.79
6	All other accidental causes	123911	3.68
7	Gastritis and duodenitis	119303	3.55
8	All forms of tuberculosis	118513	3.52
9	All other diseases of Genito-urinary system	97821	2.91
10	Pyrexia of unknown origin (Fever)	73921	2.20
11	All other infective and parasitic disease	72604	2.16
12	Acute Bronchitis	72511	2.16
13	Muscular Rheumatism and Rheumatism unspecified	71422	2.12
14	Dysentery	64903	1.93
15	All other diseases of Skin	57865	1.72
	<b>Total of the above cases</b>	<b>1796894</b>	<b>53.42</b>
	<b>Total of all cases</b>	<b>3363460</b>	<b>100.00</b>

### 10.2 LEADING CAUSES OF OUTPATIENT VISIT FOR FEMALE, 1991

Rank	Diagnosis	Cases	%
1	All types of malaria	100670	6.50
2	Acute upper respiratory Infections	96050	6.20
3	Helminthiasis	95868	6.19
4	Gastritis and duodenitis	62739	4.05
5	Muscular Rheumatism and Rheumatism unspecified	59116	3.82
6	Bronchopneumonia	58675	3.79
7	All other diseases of Genito-urinary system	58420	3.77
8	All forms of tuberculosis	51889	3.35
9	All other accidental causes	48932	3.16
10	Pyrexia of unknown origin (Fever)	35281	2.28
	<b>Total of the above cases</b>	<b>667640</b>	<b>43.10</b>
	<b>Total of all cases</b>	<b>1548914</b>	<b>100.00</b>

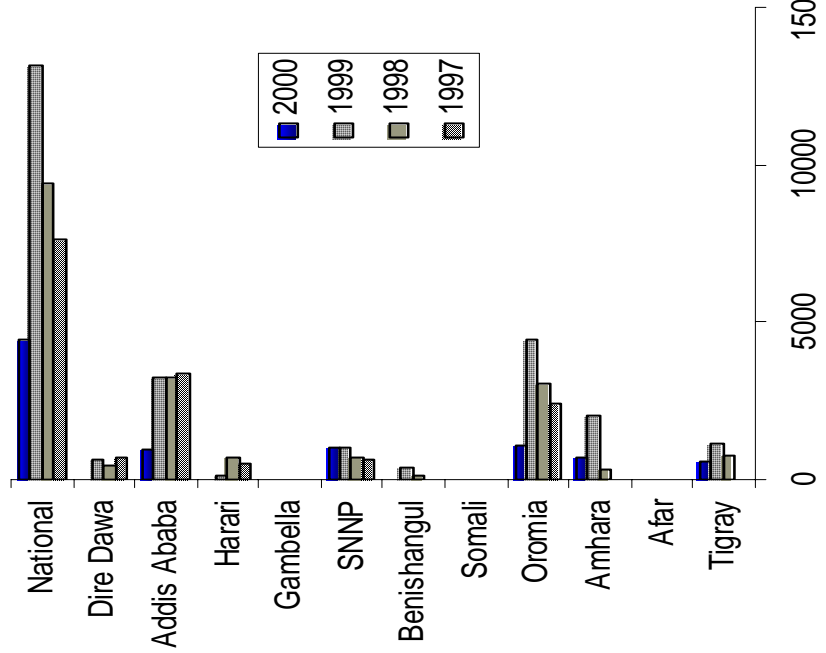
### 10.3 LEADING CAUSES OF OUTPATIENT VISIT FOR INFANTS, 1991

Rank	Diagnosis	cases	%
1	Gastro-enteritis & Colitis	32059	13.60
2	Acute upper respiratory Infections	31067	13.18
3	Bronchopneumonia	20098	8.53
4	Infections of skin and subcutaneous tissue	13382	5.68
5	All types of malaria	12140	5.15
6	Helminthiasis	9091	3.86
7	Inflammatory diseases of eye	8569	3.63
8	Hypertrophy of tonsils and adenoids	8085	3.43
9	Primary atypical, other, and unspecified pneumonia	6283	2.67
10	Lobar pneumonia	6047	2.57
	<b>Total of the above cases</b>	<b>146821</b>	<b>62.28</b>
	<b>Total of all cases</b>	<b>235740</b>	<b>100.00</b>

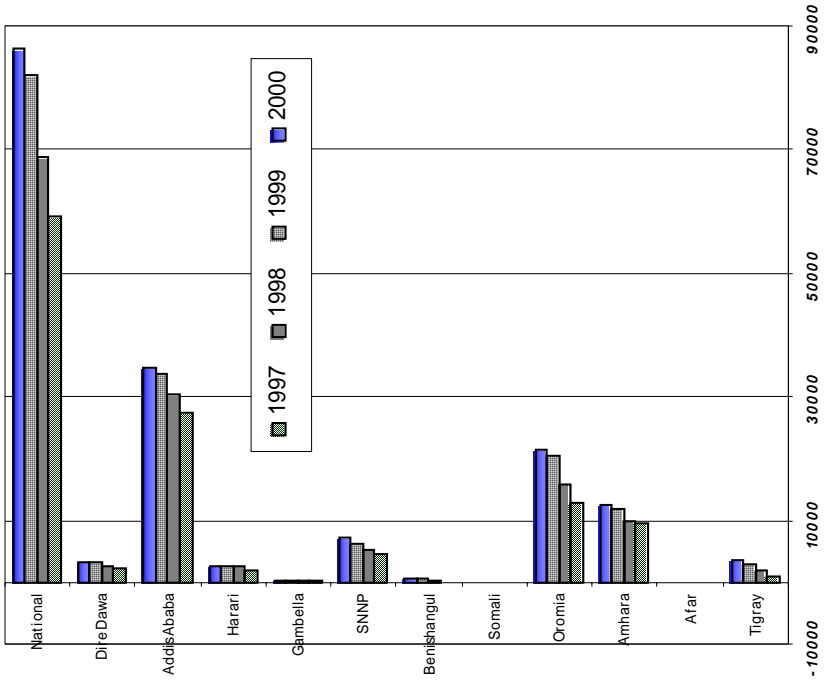
Note: Due to incompleteness of inpatient data leading causes of hospital deaths is not included.

**10.4 REPORTED ANNUAL AIDS CASES AND CUMULATIVE, 1997-2000 G.C.**

**Fig. 6 Reported AIDS Cases**



**Fig. 7 Reported Cumulative AIDS Cases**

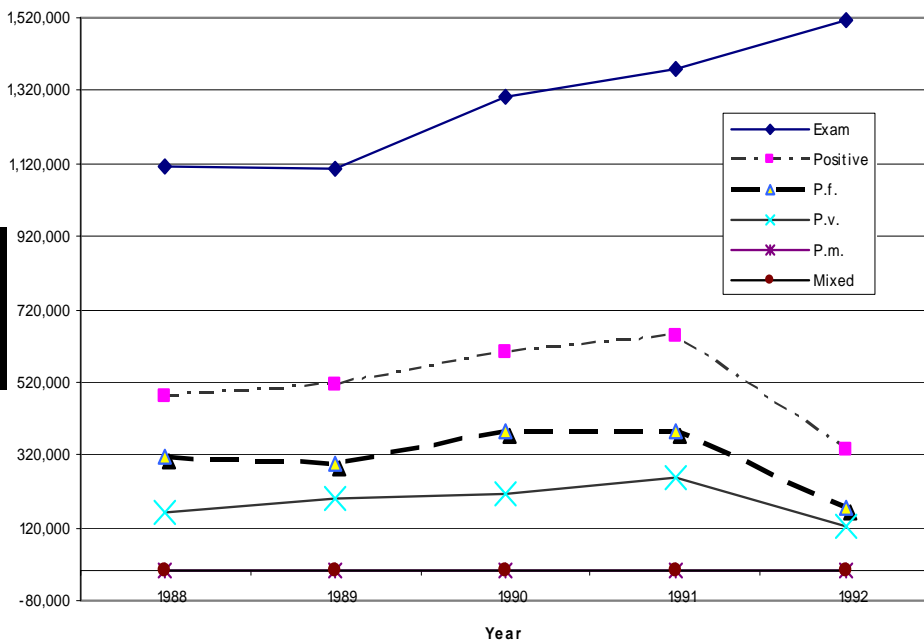


## 10.5 MALARIA SITUATION

Year	Region	Exam	Positive	P.f.	P.v.	P.m.	Mixed
1988	Tigray	87674	31457	25254	6208	0	0
	Afar	32558	13917	10373	3444	0	0
	Amhara	271156	135651	93233	42435	135	159
	Oromia	370574	150425	92813	57627	28	57
	Somali	5299	1307	1117	86	0	4
	Ben-Gum	88193	32373	25587	6745	26	7
	SNNPR	227914	102541	58209	44238	32	19
	Gambella	27620	10740	9332	1204	203	1
	Total 1988	1110988	478411	315918	161987	424	247
		%	<b>43.06</b>	<b>66.03</b>	<b>33.86</b>	<b>0.09</b>	<b>0.05</b>
1989	Tigray	83623	29448	22284	6998	0	0
	Afar	33597	15305	10792	4513	0	0
	Amhara	246483	124547	73737	49923	69	88
	Oromia	397341	182963	105832	69084	45	93
	Somali	12293	2628	1924	704	0	0
	Ben-Gum	31783	6739	4662	2003	0	0
	SNNPR	270170	136354	69934	66402	1774	1756
	Gambella	27830	11820	8601	3119	91	9
	Total 1989	1103120	509804	297766	202746	1979	1946
		%	<b>46.21</b>	<b>58.41</b>	<b>39.77</b>	<b>0.39</b>	<b>0.38</b>
1990	Tigray	166510	68363	50002	18297	0	0
	Afar	47410	22414	13483	8931	0	0
	Amhara	244635	117535	71769	45637	64	65
	Oromia	526897	238503	155591	78813	21	145
	Somali	11769	5947	5478	469	0	0
	Ben-Gum	19521	4548	3276	1274	0	0
	SNNPR	258848	136608	74884	61638	0	0
	Gambella	30269	11042	10081	760	193	8
	Total 1990	1305859	604960	384564	215819	278	218
		%	<b>46.33</b>	<b>63.57</b>	<b>35.67</b>	<b>0.05</b>	<b>0.04</b>
1991	Tigray	125517	55323	35201	20115	7	91
	Afar	55276	26264	15345	10419	0	0
	Amhara	286185	147773	92575	55231	103	95
	Oromia	598162	269897	162702	104331	23	109
	Somali	21305	10500	9180	1317	0	3
	Ben-Gum	34498	12765	7296	5467	2	0
	SNNPR	224779	113897	53611	59089	112	1085
	Gambella	23145	9269	8268	918	27	0
	Harari	9597	2231	2026	203	0	2
	Total 1991	1378464	647919	386204	257090	274	1385
		%	<b>47.00</b>	<b>59.61</b>	<b>39.68</b>	<b>0.04</b>	<b>0.21</b>

Year	Region	Exam	Positive	P.f.	P.v.	P.m.	Mixed
1992	Tigray	219972	30376	22237	17673		77
	Afar	NA	NA	NA	NA	NA	NA
	Amhara	458474	89077	50228	4059	NA	NA
	Oromia	467907	136873	68269	66306	44	24
	Somali	26660	NA	NA	NA	NA	NA
	Ben-Gum	11025	5857	3903	1856		1
	SNNPR	332738	61079	28876	31103	78	577
	Gambella	NA	7271	NA	NA	NA	NA
	Harari	NA	2274	1895	379	NA	NA
	Dire Dawa	NA	2290	1523	767	NA	NA
	Total 1992	1516776	335097	176931	122143	123	678
		%	<b>19.78</b>	<b>52.80</b>	<b>36.45</b>	<b>0.04</b>	<b>0.20</b>

Fig. 8 Malaria Situation 1987-1992





## 10.6 TUBERCULOSIS AND LEPROSY

### 10.6.1 TUBERCULOSIS CASE FINDING, 1992

Region	Pulmonary Smear Positive					Pulmonary Smear Negative	Extra-Pulmonary	Total Cases
	Cases	% New	% RLPS	% FAIL	% DEF			
Tigray	1,847	95	3	1	1	3,976	3,740	9,563
Amhara	3,183	95	2	1	2	4,721	5,126	13,030
Oromiya	9,901	94	3	1	1	10,192	9,089	29,182
Somali	1,009	90	5	2	3	806	475	2,290
SNNP	7,815	95	2	1	2	4,573	4,708	17,096
Harari	211	94	4	1	0	809	203	1,223
Addis Ababa	3,328	92	7	0	1	4,075	2,974	10,377
Dire Dawa	810	90	5	2	3	1,181	227	2,218
<b>Total</b>	<b>28,104</b>	<b>94</b>	<b>3</b>	<b>1</b>	<b>2</b>	<b>30,333</b>	<b>26,542</b>	<b>84,979</b>

### 10.6.2 TUBERCULOSIS RESULTS OF TREATMENT 1990/1991 FROM DOTS IMPLEMENTING ZONES (DATA FROM 1992)

#### 10.6.2.1 PATIENTS ON SHORT COURSE CHEMOTHERAPY

Region	Total	Cured	Completed	Success Rate %	% Died	% Fail	% Default	% Transferred
Tigray	1490	969	275	83	7	0.9	7	2
Amhara	508	155	225	75	8	0.4	14	3
Oromiya	5385	3699	465	77	6	0.7	12	5
Somali	190	121	11	69	19	1.1	3	8
SNNP	2725	1307	810	78	5	1.2	12	4
Harari	244	173	5	73	8	2.9	10	7
Addis Ababa	2283	1502	245	77	9	1.3	9	4
<b>Total</b>	<b>12825</b>	<b>7926</b>	<b>2036</b>	<b>78</b>	<b>7</b>	<b>1.23</b>	<b>11</b>	<b>4</b>

#### 10.6.2.2 PATIENTS ON LONG COURSE CHEMOTHERAPY

Region	Total	Cured	Completed	Success Rate %	% Died	% Fail	% Default	% Transferred
Tigray	180	58	89	82	5	1	13	0
Amhara	406	160	98	64	5	1	29	1
Oromiya	1104	447	358	73	4	1	15	7
SNNP	2146	483	889	64	3	1	28	4
Addis Ababa	8	-	8	100	0	0	0	0
<b>Total</b>	<b>3844</b>	<b>1148</b>	<b>1442</b>	<b>67</b>	<b>4</b>	<b>1</b>	<b>23</b>	<b>5</b>

Source: From regional reports submitted to CONTLCP  
(Data originate from DOTS implementing zones only)

### 10.6.3 LEPROSY CASE FINDING, 1992

Region	Total Cases	PB %	MB %	New Cases	PB %	MB %	Relapse Cases	PB %	MB %	De-faulter Cases	PB %	MB %	Other Cases	PB %	MB %
Tigray	135	13	87	121	14	86	6	0	100	4	0	100	4	0	100
Amhara	1069	30	70	960	31	69	24	8	92	30	30	70	46	17	83
Oromia	2660	12	88	2434	12	88	61	11	89	121	4	96	39	13	87
Somali	17	0	100	14	0	100	0	0	100	0	0	100	3	0	100
Benishangul	539	24	76	462	21	79	16	6	94	18	33	67	37	78	22
SNNPR	63	24	76	63	24	76	0	0	100	0	0	100	0	0	100
Gambella	118	15	85	99	17	83	3	0	100	12	8	92	3	0	100
Hareri	13	15	85	11	18	82	0	0	100	0	0	100	2	0	100
Addis Ababa	70	29	71	64	30	70	1	0	100	1	0	100	4	25	75
Dire Dawa	15	0	100	12	0	100	0	0	100	1	0	100	2	0	100
<b>Total</b>	<b>4699</b>	<b>18</b>	<b>82</b>	<b>4240</b>	<b>18</b>	<b>82</b>	<b>111</b>	<b>9</b>	<b>91</b>	<b>187</b>	<b>11</b>	<b>89</b>	<b>140</b>	<b>31</b>	<b>69</b>

Source: From regional reports submitted to CONTLCP  
(Data originate from DOTS implementing zones only)

## 10.7 NATIONAL SURVEILLANCE SYSTEM & EPIDEMIC REPORT

### 10.7.1 IDS REPORT, 1992

#### A. Annual report by region compiled from weekly reportable diseases

Region	Cholera		Plague		Yellow Fever		M.meningitis		Measles		AFP		NNT	
	case	*D	Case	D	Case	D	Case	D	Case	D	Case	D	Case	D
Tigray	0	0	0	0	0	0	77	3	192	0	3	0	1	1
Afar	0	0	0	0	0	0	1	1	75	8	0	0	0	0
Amhara	0	0	0	0	0	0	38	4	106	0	8	0	0	0
Oromia	208	0	0	0	0	0	47	5	930	22	11	0	2	0
Somali	0	0	0	0	0	0	22	1	2154	24	3	0	0	0
Benishangul	0	0	0	0	0	0	43	11	101	0	0	0	0	0
SNNP	0	0	0	0	0	0	16	2	85	2	2	1	26	4
Gambella	0	0	0	0	0	0	56	2	107	0	0	0	0	0
Harari	0	0	0	0	0	0	1	1	0	0	1	0	1	1
Addis Ababa	0	0	0	0	0	0	200	7	67	0	5	0	0	0
Dire Dawa	0	0	0	0	0	0	3	1	35	0	0	0	1	0
<b>National</b>	<b>208</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>504</b>	<b>38</b>	<b>3852</b>	<b>56</b>	<b>33</b>	<b>1</b>	<b>31</b>	<b>6</b>

#### B. Annual report by region compiled from monthly reportable diseases

Region	B.dysentery		Malaria		Rabies		T.Fever		R.Fever	
	Case	*D	Case	D	Case	D	Case	D	Case	D
Tigray	10741	5	13505	54	689	1	329	1	191	0
Afar	1019	1	19936	36	0	0	175	2	23	0
Amhara	10336	9	95157	145	73	1	3970	9	879	43
Oromia	9446	17	46659	67	377	1	3465	31	1524	16
Somali	10758	342	24143	215	80	6	381	23	520	8
Benishangul	3957	124	37540	90	4	0	281	1	1	0
SNNP	10853	27	84414	217	35	0	4924	7	1726	10
Gambella	748	13	14904	41	0	0	336	1	10	0
Harari	1239	5	1696	13	0	0	70	0	41	1
Addis Ababa	2819	1	5722	9	1	1	4064	0	730	4
Dire Dawa	1501	1	3692	30	324	1	75	2	4	0
<b>National</b>	<b>63417</b>	<b>545</b>	<b>347368</b>	<b>917</b>	<b>1583</b>	<b>11</b>	<b>18070</b>	<b>77</b>	<b>5649</b>	<b>82</b>

D: Death

**C. Annual report by region compiled from quarterly reportable diseases**

Region	AIDS		G. Worm		TBC		Leprosy		STDs	
	case	D	Case	D	Case	D	Case	D	Case	D
Tigray	303	2	0	0	2947	19	47	0	4214	0
Afar	38	1	0	0	1823	2	0	0	505	0
Amhara	588	46	0	0	20889	103	522	0	23160	0
Oromia	192	4	0	0	4969	46	135	0	1676	0
Somali	112	14	0	0	4163	49	1	0	2276	0
Benishangul	337	0	0	0	861	0	46	0	605	0
SNNP	470	5	102	0	6216	48	300	0	3050	0
Gambella	0	0	28	0	581	38	143	2	368	11
Harari	250	0	0	0	1208	20	11	0	578	0
Addis Ababa	1181	1	0	0	9171	131	234	0	5570	0
Dire Dawa	112	0	0	0	2255	29	1	0	201	0
<b>National</b>	<b>3583</b>	<b>73</b>	<b>130</b>	<b>0</b>	<b>55083</b>	<b>485</b>	<b>1440</b>	<b>2</b>	<b>42203</b>	<b>11</b>

## 10.7.2 ANNUAL REPORT OF EPIDEMIC DISEASES, 1992

Region	Tigray		Afar		Amhara		Oromia		Somali		B/Gum		SNNPR		Gambella		Addis Ababa		National	
	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths
Malaria	0	0	0	0	0	0	0	0	809	0	152	0	17913	19	0	0	0	0	18874	19
Measles	343	0	279	0	845	3	994	17	0	0	0	0	362	0	0	0	0	0	2823	20
R. Fever	55	0	0	0	593	3	326	9	0	0	0	0	374	2	0	0	0	0	1348	14
M.Meningitis	81	7	0	0	136	9	9	0	0	0	29	2	15	0	44	7	167	8	472	33
B.Dysentery	0	0	0	0	1070	19	1062	36	2708	163	141	0	2609	17	0	0	0	0	7590	235
T. Fever	0	0	0	0	848	7	105	4	0	0	0	0	339	4	0	0	0	0	1292	15
E. Thyphus	0	0	0	0	758	8	0	0	0	0	0	0	0	0	0	0	0	0	758	8
ADD	0	0	0	0	0	0	0	0	0	0	0	0	253	15	0	0	0	0	253	15
Pertusis	0	0	0	0	474	6	0	0	0	0	0	0	57	0	0	0	0	0	531	6
Amoebic-Dysentery	0	0	0	0	72	0	0	0	0	0	0	0	0	0	0	0	0	0	72	0
Influenza	0	0	0	0	148	2	0	0	0	0	0	0	0	0	0	0	0	0	148	2
Anthrax	0	0	0	0	19	0	98	0	0	0	0	0	188	1	0	0	0	0	305	1
URTI	0	0	0	0	3461	12	0	0	445	0	0	0	0	0	0	0	0	0	3906	12
AFI	0	0	0	0	573	8	18	0	0	0	0	0	0	0	0	0	0	0	591	8
Gonococcal Eye Infection	0	0	0	0	0	0	0	0	0	0	0	0	4089	0	0	0	0	0	4089	0
Cholera	0	0	0	0	0	0	721	15	0	0	0	0	0	0	425	46	0	0	1146	61
Mumps	0	0	0	0	81	0	0	0	0	0	0	0	0	0	0	0	0	0	81	0
<b>Total</b>	<b>479</b>	<b>7</b>	<b>279</b>	<b>0</b>	<b>9078</b>	<b>77</b>	<b>3324</b>	<b>81</b>	<b>3962</b>	<b>163</b>	<b>322</b>	<b>2</b>	<b>26199</b>	<b>58</b>	<b>469</b>	<b>53</b>	<b>167</b>	<b>8</b>	<b>44279</b>	<b>449</b>

# 11 OUTPUT FROM HEALTH PROFESSIONAL TRAINING SCHOOLS

## 11.1 SUMMARY OF GRADUATES

Profession	1991						1992									
	Degree		Diploma		Certificate		Degree		Diploma		Certificate					
	*BS	F	BS	F	BS	F	BS	F	BS	F	BS	F				
Medical Doctor	136	14	<b>Not Applicable</b>						152	8	<b>Not Applicable</b>					
Health Officer	79	9							157	27						
Pharmacist	34	1							31	0						
Clinical Nurse	27	6	588	225	348	147	25	4	364	111	512	180				
Public Health Nurse	<b>Not Applicable</b>		140	43	152	61	<b>Not Applicable</b>		209	67	131	38				
Mid Wife Nurse			53	29	108	58			36	23	122	72				
Pharmacy Technician			34	6	29	7			67	14	62	18				
Laboratory Technician	13	0	195	26	75	23	21	0	211	27	79	41				
Environmental Technician	20	0	172	12	12	6	20	0	161	24	9	2				
X - Ray Technician	<b>Not Applicable</b>		18	0	11	0	<b>Not Applicable</b>		0	0	10	0				
<b>Total</b>			<b>309</b>	<b>1200</b>	<b>341</b>	<b>735</b>			<b>302</b>	<b>406</b>	<b>39</b>	<b>1048</b>	<b>266</b>	<b>925</b>	<b>351</b>	

\* BS: Both sexes

**11.2 DISTRIBUTION OF HEALTH TRAINING SCHOOLS  
(Type & Number of graduates )**

**A. Graduates of Health Professional from Higher Education**

No	Training School		Award	Graduates			
	Name	Type		1991		1992	
				BS	Female	BS	Female
1	Addis Ababa University	Medicine	MD	60	5	57	3
		Pharmacist	B.Pharm.	34	1	31	0
		Clinical Nurse	Diploma	211	84		
		Laboratory Tech	Diploma	41	14	61	0
		X-ray technician	Diploma	18	0		
2	Bahir dar University (Gonder College of Medical Science)	Medicine	MD	39	5	53	2
		Post Basic Health officer	B.Sc.	33	8	43	8
		Clinical Nurse	Diploma	31	19	31	7
		Public Health Nurse	Diploma	17	2	71	25
		Midwife Nurse	Diploma	14	7		
		Lab.technician	Diploma	22	1	47	9
		Environmental Health	Diploma	27	0	48	1
3	Jimma University (Institute of Health science)	Medicine	MD	37	4	42	3
		Post Basic Health officer	B.Sc.	46	1	44	9
		Post Basic Nursing	B.Sc.	27	6	25	4
		Post Basic Env. Health	B.Sc.	20	0	20	0
		Post Basic Lab-Techn.	B.Sc.	13	0	21	0
		Clinical Nurse	Diploma	22	15	34	5
		Public Health Nurse	Diploma	23	9	29	12
		Pharmacy Tech.	Diploma	34	6	53	13
		Lab-technician	Diploma	29	0	31	5
		Environmental Health	Diploma	32	4	40	11
4	Alemaya University	Health officer	B.Sc.	0	0	37	6
		Public Health Nurse	Diploma	69	24	38	10
		Lab-technician	Diploma	70	8	42	7
		Environmental Health	Diploma	77	5	31	1
5	Debub University	Health officer	B.Sc.	0	0	33	4
		Public Health Nurse	Diploma	31	8	71	20
		Lab.technician	Diploma	34	3	30	6
		Environmental Health	Diploma	36	3	42	11
<b>Total</b>				<b>1147</b>	<b>242</b>	<b>1105</b>	<b>182</b>

**B. Graduates of Health Professionals from Senior Training Schools**

No	Training School		Award	Graduates			
	Name	Type		1991		1992	
				BS	Female	BS	Female
2	Nekemte	Clinical nurse	Diploma	66	20	60	9
3	Mekele	Clinical nurse	Diploma	89	28	116	38
		Pharmacy Tech.	Diploma	0	0	14	1
4	Assela	Clinical nurse	Diploma	60	15	67	23
5	Harar	Clinical nurse	Diploma	85	33	32	14
		Mid-wife Nurse	Diploma	20	12	17	14
6	Yirgalem	Clinical nurse	Diploma	24	11	24	15
7	Awassa	Mid-wife nurse	Diploma	19	10	19	9
<b>Total</b>				<b>363</b>	<b>129</b>	<b>349</b>	<b>123</b>

### C. Graduates of Health Professionals from Junior Training School

No	Training School		Award	Graduates			
	Name	Type		1991		1992	
				BS	Female	BS	Female
1	Awassa	Clinical nurse	Certificate	28	15	27	8
		Public Health Nurse	Certificate	19	4	18	2
		Mid-wife Nurse	Certificate	16	10		
		Lab. technician	Certificate	28	6	27	20
2	Arbaminch	Clinical nurse	Certificate	23	8	33	3
3	Hosanna	Clinical nurse	Certificate	53	19	58	19
		Mid-wife Nurse	Certificate			39	15
4	Shashemene	Clinical nurse	Certificate	17	10	15	7
		Public Health Nurse	Certificate	18	7	13	3
		Mid-wife Nurse	Certificate	21	3	13	10
		Pharmacy tech.	Certificate	18	3	21	6
5	Mettu	Clinical nurse	Certificate	18	4	16	5
		Public Health Nurse	Certificate	14	7	15	6
6	Goba	Clinical nurse	Certificate	35	16	26	17
		Public Health Nurse	Certificate	34	17	26	8
		Mid-wife Nurse	Certificate	15	12	27	20
7	Minilik	Clinical nurse	Certificate	17	8	26	15
		Public Health Nurse	Certificate	16	6	17	6
		Mid-wife Nurse	Certificate	14	10	24	14
		Pharmacy tech.	Certificate	11	4	24	9
		Lab. Technician	Certificate	21	9	23	9
		X-Ray Technician	Certificate	11	0	10	0
8	Borena	Clinical nurse	Certificate	50	20	57	18
9	Dessie	Clinical nurse	Certificate	46	21	78	14
		Public Health Nurse	Certificate	6	1	14	2
		Mid-wife Nurse	Certificate	18	12	14	8
10	Axum	Clinical nurse	Certificate	12	4	55	28
		Public Health Nurse	Certificate	10	4	0	0
		Mid-wife Nurse	Certificate	8	0	5	5
		Lab. tech.	Certificate	15	7	15	9
		Environmental health	Certificate	12	6	9	2
11	Bahir Dar	Clinical nurse	Certificate	23	6	36	19
		Public Health Nurse	Certificate	15	6	0	0
		Mid-wife Nurse	Certificate	6	4	0	0
		Pharmacy tech.	Certificate			17	3
		Laboratory	Certificate	11	1	14	3
12	Debretabor	Clinical nurse	Certificate	26	16	26	12
		Public Health Nurse	Certificate	20	9	28	11
		Mid-wife Nurse	Certificate	10	7	0	0
13	Jijiga	Clinical nurse	Certificate			39	8
14	Debreberhan*	Clinical nurse	Certificate			20	7
<b>Total</b>				<b>735</b>	<b>302</b>	<b>925</b>	<b>351</b>

\* Temporary Training School



### 11.3 POST BASIC AND POST GRADUATES

Training Programme	Training Type	Training Institution	Number of Graduates					
			1990		1991		1992	
			BS	F	BS	F	BS	F
Post Graduate Studies	Anatomy	Faculty of Medicine	1	0	0	0	0	0
	Anesthesiology		2	1	4	0	3	0
	Community Health		8	0	9	1	6	1
	Internal Medicine		7	1	4	0	6	1
	Obstetrics & Gyn.		16	1	11	2	9	1
	Ophthalmology		6	1	5	1	3	0
	Orthopedics		2	0	0	0	1	0
	Pathology						4	0
	Pediatrics & Child Health		8	2	5	2	9	1
	Pharmacology		1	0	0	0	4	0
	Surgery		7	0	4	1	9	0
Radiology	4	4	4	3	4	0		
	<b>Total</b>		<b>62</b>	<b>10</b>	<b>46</b>	<b>10</b>	<b>58</b>	<b>4</b>
Post Basic Training	Psychiatry Nurse	Amanuel Hosp	22		25		25	
	Dental Therapy Nurse	Yekatit 12 Hosp						
	Nurse Anesthesia	Black lion Hosp	28		28		28	
	Ophthalmic Nurse	Yekatit 12 Hosp					21	
	<b>Total</b>		<b>50</b>		<b>53</b>		<b>74</b>	

# **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 woman ratio**

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

## **Contraceptive prevalence rate**

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

## **Crude birth rate**

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

## **Crude death rate**

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

## **Delivery attended**

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

## **Demography**

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

## **Discharged patient**

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

## **Drug shop**

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

## **Enrolment ratio**

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

## **Expectation of life at birth**

The average number of years a member of a cohort of births would be expected to live if the cohort were subject to the mortality conditions specified by a particular set of age specific mortality rates. It is some time, denoted by LE male and LE female to mean for male and female expectation of life, respectively

## **Fully immunized**

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

## **General fertility rate**

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

## **Health center**

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

## **Health post**

One of the satellite facility in the Primary Health Care Unit

## **Health stations (are on phase-out process)**

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.

## Live birth

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

## Lower clinic

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

## Maternal mortality rate

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

## Medium Clinic

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

## Morbidity

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

## Out-patient

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

## Pharmacy

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

## Postnatal visits

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

## Potential health service coverage

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

## Rate of national increase

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

## Rural drug vendor

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

## School enrolment

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

## Sex ratio

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

## Special clinic

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

## Total fertility rate

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

## Under-five mortality

The probability of dying between birth and age five per 1000 live births.

## 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.