



THE HEALTH SECTOR IN GHANA

FACTS AND FIGURES 2005

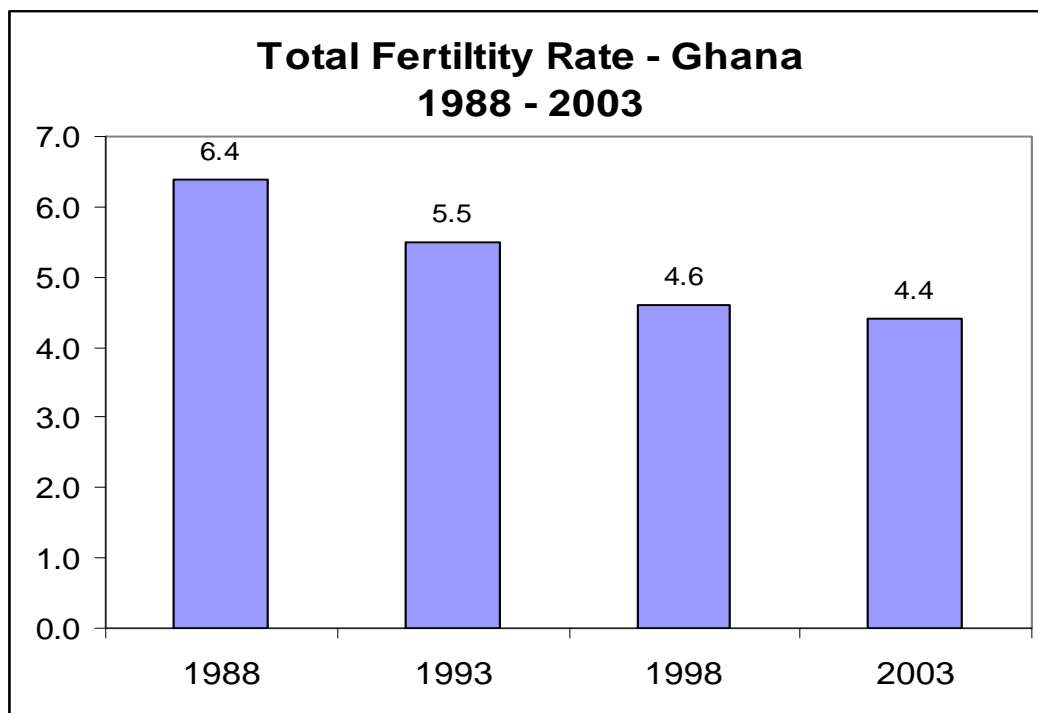


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FOREWORD

The Ghana Health Service together with its partners and other health agencies is responsible for the provision of health care delivery to the people of Ghana. This involves the planning, implementation, monitoring and performance assessment of health programmes and services. In order to fulfill this role there is the need for accurate, relevant and timely information on the health status and health services in Ghana.

The production of *The Health Sector in Ghana: Facts and Figures, 2005*; is a handy reference on the performance of the health sector as an information tool for policy makers, health service/programme managers, health partners and stakeholders, researchers and students.

The information are mainly summaries and population-based indicators. Readers are directed to *The Ghana Health Service Annual Report and Ghana Health Service Annual Statistical Report* for detailed presentation of the performance of the health sector. The Ghana Health Service acknowledges the significant role of other agencies such as the Ghana Statistical Services in the provision of health-related statistics to the general public. Some of such statistics have been quoted in this publication and duly acknowledged.

The Centre for Health Information Management of the Policy, Planning, Monitoring and Evaluation division of the Ghana Health Service is the focal unit responsible for the collection, analysis, reporting and presentation of health service information in the Ghana Health Service.

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List of Acronyms

BMC	Budget Management Centre
CFR	Case Fatality Rate
CHIM	Centre for Health Information Management
CHPS	Community Health Planning Services
EPI	Expanded Programme on Immunization
GDHS	Ghana Demographic and Health Survey
GHS	Ghana Health Service
GSS	Ghana Statistical Services
HRD	Human Resource Division
NACP	National AIDS Control Programme
NHIS	National Health Insurance Scheme
PHD	Public Health Division
PMR	Proportional Mortality Rate
PPME	Policy Planning Monitoring and Evaluation

1.0 INTRODUCTION

1.1 The Policy Thrust For 2005

The Ghana Health Service continues to maintain its focus on its five strategic objectives in line with the overall Health Sector Five Year Programme of Work (2002 – 2006).

These are:

- Improving access (geographical and financial) to basic health services
- Improving quality of care
- Improving efficiency
- Improving collaboration
- Improving financing of health services

These objectives are being pursued in line with the focus of the Ghana Poverty Reduction Strategy, which underscores the need for targeting the poor and vulnerable in the development and implementation of health programmes. In line with this focus the Ghana Health Service will continue to intensify efforts aimed at bridging the inequality gaps in access to quality health services.

In 2005, specific efforts will be made at addressing specific issues identified as contributing to the decline in performance with respect to child health services while maintaining a holistic approach to family health services. Efforts will be made at reducing the Burden of Malaria, Tuberculosis, Guinea worm, HIV/AIDS and other communicable diseases. New health service demands such as the increasing burden of non-communicable diseases will be tackled in a more strategic manner. Specifically the Ghana Health Service will continue to improve quality of care outcomes and focus on the expansion of priority public health interventions to ensure that targets are met. The strong demands for scaling up of priority interventions and its implications for resources will be addressed from both macro and micro planning perspective.

There is therefore the need to address areas of dysfunction within the health sector from a management and human resource development perspective. Support systems will be primed up to support service delivery and the human resource challenge will receive increasing attention in a more decentralized manner.

The summary of the policy thrust for the year is as follows:

- Improve Child Health Services
- Scale up of priority public health interventions
- Improve the quality of clinical services
- Improve control of Non Communicable Diseases
- Improve financing arrangements that protect the poor
- Enhance performance measurement, monitoring and use of information to improve productivity in the sector

1.2 Policies and Priorities

Increasing Access to Health Services

- Increasing Geographical Access
- Increasing Financial Access

Improving Quality of Care

- Provision of emergency services
- Accreditation for National Health Insurance Scheme
- Improving and monitoring technical competence of staff
- Strengthening Hospital Management
- Quality Assurance

Improving Efficiency

- Improving Information Management in the district and regional level
- Improve regulation and control within the Ghana Health Service
- Continuing attention to the Director General's Special Initiatives
 - Malnutrition
 - Preventable mental illness
 - Avoidable blindness
- Improving management capacity at sub-district levels

Improving Partnership and Collaboration

- Working with district assemblies and other sectors
- Setting up a desk in the GHS for intersectoral collaboration
- Expansion of the district level planning process to include other health providers

Increasing Finance

- Development of need-based budgets by BMCs as basis for attracting new sources of funding.
- Revision of Resource Allocation Criteria to make it sensitive to intra-regional demands as well as meeting Millennium Development Goals
- Addressing disbursement bottlenecks at the district level to ensure that more funds reach the sub-district

Addressing Inequalities in Service Provision

- Scale-up CHPS and other outreach services delivery strategies
- Review human resource distribution criteria
- Revise capital development programme

Ensuring Financial Protection to the Poor

- Revise resource allocation to favour deprived districts
- Increase funding for exemptions and work out modalities to reach the needy
- NHIS to review exemptions package in the LI

2.0 Demography and Vital Statistics

2.1 National Population by Age Group and Sex - 2005

Age Group	Male	Female	Total
0 – 4	1,578,544	1,589,437	3,167,981
5 – 9	1,588,844	1,582,928	3,171,772
10 – 14	1,315,940	1,273,964	2,589,904
15 – 19	1,102,774	1,062,022	2,164,796
20 – 24	882,233	966,246	1,848,480
25 – 29	804,161	912,367	1,716,528
30 – 34	654,144	736,585	1,390,729
35 – 39	565,714	618,933	1,184,647
40 – 44	509,870	508,581	1,018,451
45 – 49	433,474	392,428	825,902
50 – 54	321,100	329,208	650,308
55 – 59	209,743	197,376	407,119
60 – 64	202,749	214,793	417,543
65 – 69	147,533	147,328	294,861
70 & Above	422,407	422,544	844,951
Total	10,739,230	10,954,741	21,693,971

Source: GSS 2000 Census (Projection)

2.2 Population Distribution by Region and Sex - 2005

Region	Male	Female	Total
Western	1,145,026	1,107,831	2,252,858
Central	843,468	924,884	1,768,352
Greater Accra	1,781,139	1,822,632	3,603,771
Volta	868,930	927,873	1,796,803
Eastern	1,110,977	1,147,375	2,258,352
Ashanti	2,149,058	2,121,303	4,270,362
Brong Ahafo	1,031,010	1,022,957	2,053,968
Northern	1,041,496	1,048,903	2,090,399
Upper East	467,370	504,449	971,820
Upper West	300,755	326,532	627,287
Total	10,739,230	10,954,741	21,693,971

Source: GSS 2000 Census (Projection)

2.3 Population by Age Group and Sex, Western Region - 2005

Age Group	Male	Female	Total
0 – 4	170,694	170,029	340,723
5 – 9	171,037	170,013	341,050
10 – 14	139,723	134,048	273,771
15 – 19	111,032	103,563	214,595
20 – 24	88,323	97,735	186,058
25 – 29	88,068	95,493	183,561
30 – 34	74,568	75,991	150,559
35 – 39	65,811	62,609	128,420
40 – 44	58,050	49,114	107,164
45 – 49	48,792	37,328	86,120
50 – 54	33,727	30,218	63,945
55 – 59	21,491	16,977	38,467
60 – 64	19,828	17,844	37,673
65 – 69	14,009	12,081	26,091
70 & Above	39,873	34,787	74,660
Total	1,145,026	1,107,831	2,252,858

Source: GSS 2000 Census (Projection)

2.4 Population by Age Group and Sex, Central Region - 2005

Age Group	Male	Female	Total
0 – 4	133,742	136,265	270,007
5 – 9	134,113	134,374	268,488
10 – 14	116,104	110,120	226,224
15 – 19	86,975	82,261	169,236
20 – 24	60,442	75,270	135,712
25 – 29	55,378	69,082	124,460
30 – 34	44,630	56,481	101,111
35 – 39	39,472	49,564	89,035
40 – 44	40,020	44,720	84,739
45 – 49	34,417	36,328	70,745
50 – 54	24,994	31,029	56,023
55 – 59	16,032	18,655	34,688
60 – 64	15,829	21,034	36,863
65 – 69	11,699	15,288	26,986
70 & Above	29,622	44,412	74,034
Total	843,468	924,884	1,768,352

Source: GSS 2000 Census (Projection)

2.5 Population by Age Group and Sex, Greater Accra Region - 2005

Age Group	Male	Female	Total
0 – 4	196,417	198,924	395,341
5 – 9	200,409	208,202	408,611
10 – 14	183,068	204,149	387,217
15 – 19	193,048	214,380	407,428
20 – 24	204,856	204,254	409,110
25 – 29	185,168	188,268	373,436
30 – 34	142,183	143,539	285,722
35 – 39	114,193	116,794	230,987
40 – 44	94,389	90,818	185,207
45 – 49	76,705	68,428	145,133
50 – 54	55,642	51,932	107,574
55 – 59	36,502	32,764	69,267
60 – 64	29,557	27,335	56,892
65 – 69	20,308	19,979	40,286
70 & Above	48,695	52,864	101,559
Total	1,781,139	1,822,632	3,603,771

Source: GSS 2000 Census (Projection)

2.6 Population by Age Group and Sex, Volta Region - 2005

Age Group	Male	Female	Total
0 – 4	123,405	125,873	249,278
5 – 9	133,715	134,217	267,932
10 – 14	114,233	106,441	220,674
15 – 19	97,166	87,802	184,968
20 – 24	65,635	72,547	138,182
25 – 29	56,967	68,483	125,449
30 – 34	48,485	59,001	107,486
35 – 39	43,464	52,216	95,680
40 – 44	38,036	42,675	80,711
45 – 49	33,408	35,885	69,293
50 – 54	27,437	31,672	59,109
55 – 59	18,053	20,382	38,435
60 – 64	18,125	23,156	41,281
65 – 69	13,535	17,380	30,915
70 & Above	37,267	50,144	87,411
Total	868,930	927,873	1,796,803

Source: GSS 2000 Census (Projection)

2.7 Population by Age Group and Sex, Eastern Region - 2005

Age Group	Male	Female	Total
0 – 4	163,355	163,961	327,315
5 – 9	166,156	162,624	328,780
10 – 14	148,851	137,421	286,272
15 – 19	115,860	105,665	221,525
20 – 24	81,175	92,425	173,600
25 – 29	73,480	86,128	159,608
30 – 34	63,487	72,772	136,259
35 – 39	57,943	65,329	123,272
40 – 44	53,619	55,445	109,064
45 – 49	46,052	44,298	90,349
50 – 54	36,317	38,681	74,997
55 – 59	23,428	23,836	47,264
60 – 64	23,630	26,071	49,701
65 – 69	16,800	18,790	35,590
70 & Above	40,823	53,932	94,755
Total	1,110,977	1,147,375	2,258,352

Source: GSS 2000 Census (Projection)

2.8 Population by Age Group and Sex, Ashanti Region - 2005

Age Group	Male	Female	Total
0 – 4	329,756	321,706	651,462
5 – 9	314,144	309,021	623,165
10 – 14	258,166	260,038	518,204
15 – 19	204,264	208,323	412,587
20 – 24	172,171	191,589	363,760
25 – 29	154,617	172,736	327,353
30 – 34	128,301	138,623	266,923
35 – 39	110,325	116,949	227,274
40 – 44	98,484	93,365	191,850
45 – 49	83,841	68,980	152,821
50 – 54	60,990	57,195	118,185
55 – 59	43,918	34,427	78,345
60 – 64	40,494	37,533	78,027
65 – 69	33,127	26,039	59,165
70 & Above	116,460	84,780	201,239
Total	2,149,058	2,121,303	4,270,362

Source: GSS 2000 Census (Projection)

2.9 Population by Age Group and Sex, Brong Ahafo Region - 2005

Age Group	Male	Female	Total
0 – 4	159,832	162,392	322,224
5 – 9	153,592	153,009	306,601
10 – 14	130,904	124,805	255,708
15 – 19	109,266	100,067	209,333
20 – 24	84,339	89,430	173,768
25 – 29	75,793	84,472	160,265
30 – 34	61,079	65,854	126,933
35 – 39	53,908	56,120	110,028
40 – 44	49,372	45,322	94,694
45 – 49	41,582	34,466	76,048
50 – 54	29,616	27,983	57,599
55 – 59	17,731	16,052	33,784
60 – 64	17,778	17,762	35,540
65 – 69	12,339	11,070	23,409
70 & Above	33,880	34,153	68,033
Total	1,031,010	1,022,957	2,053,968

Source: GSS 2000 Census (Projection)

2.10 Population by Age Group and Sex, Northern Region - 2005

Age Group	Male	Female	Total
0 – 4	184,517	191,633	376,150
5 – 9	179,369	180,780	360,148
10 – 14	122,568	107,839	230,407
15 – 19	106,728	88,469	195,197
20 – 24	76,867	84,310	161,178
25 – 29	69,459	85,682	155,141
30 – 34	54,845	70,894	125,739
35 – 39	47,018	53,065	100,082
40 – 44	46,030	46,183	92,214
45 – 49	38,398	31,513	69,911
50 – 54	29,509	29,344	58,853
55 – 59	15,879	14,406	30,285
60 – 64	20,023	20,224	40,248
65 – 69	12,339	11,423	23,763
70 & Above	37,946	33,138	71,083
Total	1,041,496	1,048,903	2,090,399

Source: GSS 2000 Census (Projection)

2.11 Population by Age Group and Sex, Upper East Region - 2005

Age Group	Male	Female	Total
0 – 4	70,722	71,674	142,396
5 – 9	82,877	79,317	162,194
10 – 14	63,016	54,066	117,082
15 – 19	46,466	42,294	88,761
20 – 24	29,059	35,429	64,488
25 – 29	27,646	37,680	65,325
30 – 34	21,511	31,642	53,153
35 – 39	20,589	28,617	49,206
40 – 44	19,090	24,878	43,968
45 – 49	19,241	22,564	41,805
50 – 54	14,209	19,423	33,632
55 – 59	10,734	12,484	23,218
60 – 64	10,188	14,054	24,242
65 – 69	8,498	9,257	17,755
70 & Above	23,523	21,070	44,593
Total	467,370	504,449	971,820

Source: GSS 2000 Census (Projection)

2.12 Population by Age Group and Sex, Upper West Region - 2005

Age Group	Male	Female	Total
0 – 4	46,105	46,979	93,085
5 – 9	53,433	51,370	104,804
10 – 14	39,306	35,036	74,342
15 – 19	31,967	29,198	61,165
20 – 24	19,365	23,259	42,624
25 – 29	17,587	24,343	41,929
30 – 34	15,056	21,787	36,843
35 – 39	12,992	17,670	30,662
40 – 44	12,779	16,060	28,839
45 – 49	11,040	12,636	23,676
50 – 54	8,660	11,730	20,390
55 – 59	5,973	7,394	13,366
60 – 64	7,296	9,781	17,077
65 – 69	4,879	6,022	10,900
70 & Above	14,318	13,266	27,584
Total	300,755	326,532	627,287

Source: GSS 2000 Census (Projection)

3.0 Vital Statistics

3.1 Health Status Indicators

Indicator	1988	1993	1998	2003
Infant Mortality Rate (per 1000 live births)	77	66	57	64
Under 5 Mortality Rate (per 1000 live births)	155	119	108	111
Neonatal Mortality Rate (per 1000 live births)	44	41	30	43
Post-Neonatal Mortality Rate (per 1000 live births)	33	26	27	21
Crude Birth Rate (per 1000)	47	44	39	33
Crude Death Rate (per 1000)	17	12.5	10	10
Life Expectancy at birth (in years)	54	55.7	57	58
Total Fertility Rate	6.4	5.5	4.6	4.4

Source: GDHS, 1988, 1993, 1998, 2003

3.2 Total Fertility Rate by Region

Region	1988	1993	1998	2003
Western	6.1	5.5	4.7	4.5
Central	6.6	5.6	4.8	5.0
Greater Accra	4.6	3.6	2.7	2.9
Volta	6.7	5.4	4.4	4.4
Eastern	5.7	5.1	4.4	4.3
Ashanti	5.9	5.6	4.5	4.1
Brong Ahafo	6.9	5.5	5.4	4.8
Northern	6.8	7.4	7.0	7.0
Upper East	6.8	6.4	5.0	4.7
Upper West	6.8	6.0	6.1	5.5
National	6.4	5.5	4.6	4.4
Rural	6.6	6.4	5.4	5.6
Urban	5.1	4.0	3.0	3.1

Source: DHS 1988, 1993, 1998, 2003

3.3 Percentage of Population with no Education

Region	1988	1993		1998		2003	
	Female	Male	Female	Male	Female	Male	Female
Western	43.6	17.8	34.1	11.8	29.6	7.3	22.3
Central	47.6	18.5	35.6	13.4	32.7	9.3	25.2
Greater Accra	21.9	9.8	19.4	9.4	19.6	5.8	12.4
Volta	38.0	20.8	34.3	19.3	31.4	7.9	20.7
Eastern	27.6	16.9	27.1	12.1	22.8	7.9	15.9
Ashanti	30.0	17.4	33.0	13.2	30.0	9.4	16.8
Brong Ahafo	42.8	21.7	30.8	20.4	32.6	14.2	27.4
Northern	81.7	62.0	75.9	63.8	79.7	59.5	78.8
Upper East	81.7	50.9	66.5	57.4	69.4	48.9	72.4
Upper West	81.7	56.9	67.9	59.0	68.4	44.9	63.3
National	39.7	26.2	38.3	20.6	34.0	17.6	28.2
Rural	46.4	32.9	46.8	25.5	39.8	25.4	39.5
Urban	26.7	12.2	22.3	10.4	22.4	8.0	16.3

Source: DHS 1988, 1993, 1998, 2003

3.4 Infant and Under Five Mortality Rate

Region	Infant Mortality Rate				Under Five Mortality Rate			
	1988	1993	1998	2003	1988	1993	1998	2003
Western	76.9	76.3	68.0	66.0	151.2	131.8	109.7	109.0
Central	138.3	71.6	83.8	50.0	208.2	128.0	142.1	90.0
Greater Accra	57.7	58.4	41.4	45.0	103.8	100.2	62.0	75.0
Volta	73.5	77.8	53.8	75.0	132.7	116.4	98.0	113.0
Eastern	70.1	55.9	50.2	64.0	138.1	93.2	89.1	95.0
Ashanti	69.8	65.2	41.9	80.0	144.2	97.6	78.2	116.0
Brong Ahafo	65.0	48.7	77.3	58.0	122.6	94.6	128.7	91.0
Northern	103.1	113.7	70.1	69.0	221.8	237.0	171.3	154.0
Upper East	103.1	105.0	81.5	33.0	221.8	180.1	155.3	79.0
Upper West	103.1	84.5	70.6	105.0	221.8	187.7	155.6	208.0
National	81.3	74.7	61.2	64.0	153.8	132.8	110.4	111.0
Rural	86.8	82.2	67.5	70.0	162.5	149.2	122.0	118.0
Urban	66.9	54.9	42.6	55.0	131.1	89.9	76.8	93.0

Source: DHS 1988, 1993, 1998, 2003

4.0 Health Infrastructure

4.1 Health Facilities by Type and Ownership, 2004

Region	Teaching Hospital	Regional Hospital	District Hospitals		Other Hospitals				Poly clinic	Health Centres				Clinics and Maternity Homes				Regional Total
			Govt	Mission	Govt	Mission	Quasi Govt	Private		Govt	Mission	Quasi Govt	Private	Govt	Mission	Quasi Govt	Private	
Western	0	1	9	2	1	3	6	0	2	54	0	0	0	69	29	27	108	311
Central	0	1	8	3	1	1	1	7	0	44	0	0	0	56	23	1	118	264
Greater Accra	1	1	2	0	6	1	9	58	7	35	2	1	0	20	2	6	159	310
Volta	0	1	10	1	1	7	1	5	1	199	6	0	0	65	11	0	31	339
Eastern	0	1	9	2	3	3	3	6	0	58	14	1	0	158	7	6	119	390
Ashanti	1	0	15	3	7	11	4	41	0	96	2	0	0	53	47	2	164	446
Brong Ahafo	0	1	5	6	0	4	1	8	0	36	0	0	0	96	9	7	78	251
Northern	0	1	5	3	2	1	2	1	0	95	17	1	1	31	19	4	11	194
Upper East	0	1	4	1	0	0	0	0	0	25	5	0	0	74	12	1	10	133
Upper West	0	1	3	1	0	3	0	1	0	50	12	0	5	18	4	0	4	102
Total	2	9	70	22	21	35	27	127	10	692	57	3	6	640	163	54	805	2,740

Source: CHIM/PPME-GHS

NB Maternity homes are classified as clinics

4.2 Number of Hospital Beds by Region and Ownership - 2004

Region	Government	Mission	Quasi Government	Private	Total
Western	1,050	480	308	0	1,838
Central	1,130	366	54	0	1,550
Greater Accra	2,871	0	759	593	4,223
Volta	1,260	967	47	0	2,274
Eastern	1,410	929	174	0	2,513
Ashanti	1,769	1,196	256	594	3,815
Brong Ahafo	384	1,011	44	9	1,448
Northern	722	339	0	0	1,061
Upper East	469	253	0	0	722
Upper West	346	336	0	0	682
Total	11,411	5,877	1,642	1,196	20,126

Source: CHIM/PPME-GHS

NB: Data for Quasi Government and Private Hospitals are incomplete

4.3 Distribution of Health Professionals by Region – 2004

Profession	Ashanti	Brong Ahafo	Central	Central Admin.	Eastern	Greater Accra	Northern	Upper East	Upper West	Volta	Western	Grand Total
Medical Officers	308	55	47	35	75	480	24	29	9	49	57	1,168
Dental Surgeons	4	1	2	1	1	11	1	0	0	0	1	22
Pharmacists	64	15	12	15	20	81	8	7	4	12	16	254
Medical Assistants	69	42	36	1	38	57	41	34	16	26	41	401
Professional Nurses	1,278	552	578	20	895	2,295	543	387	336	763	494	8,141
Auxilliary Nurses	669	433	523	0	956	1,249	435	302	115	668	480	5,830
Physiotherapists	4	3	0	0	2	9	2	0	1	3	1	25
Health Services Administrator	26	11	11	9	15	14	10	5	4	12	7	124
Health Educators	6	10	2	9	0	1	1	1	1	1	1	33
Biologist/Entomologists	13	5	1	13	2	8	3	2	1	3	4	55
Accountants/Accounts Officers	162	144	75	4	141	282	54	56	57	106	79	1,160
Dispensing Technician/Assistants	250	101	86	0	122	133	52	36	22	75	50	927
Estate Officers	7	4	3	5	2	6	6	3	2	3	4	45
Human Resource Managers	2	4	2	5	2	3	1	1	1	1	1	23
Dental Technologists/Therapists	4	1	0	0	0	6	1	4	0	1	0	17
Biostatistics Officers	5	3	1	3	4	3	1		1	1	1	23
Catering Officers/Cooks	80	28	70	2	70	152	39	36	17	82	58	634
Dieticians	3	1	1	0	1	7	1	1	0	0	0	15

Profession	Ashanti	Brong Ahafo	Central	Central Admin.	Eastern	Greater Accra	Northern	Upper East	Upper West	Volta	Western	Grand Total
Nutrition Officers	2	3	1	7	0	2	4	3	2	2	3	29
Technical Officers	206	156	88	53	141	227	79	67	44	93	99	1,253
Administrative Staff	28	29	22	50	21	38	14	6	14	43	15	280
Medical Laboratory Technologist	12	5	3	4	12	31	6	3	3	6	5	90
Other Professional Staff	7	7	4	32	3	8	1	13	3	3	3	84
Other Technical Staff	152	107	62	22	119	117	75	47	51	77	56	885
Artisans/Tradesmen	91	67	72	66	81	110	42	40	24	135	55	783
Security Guard/Watchmen	183	141	118	31	81	123	62	91	68	123	69	1,090
Other Staff	2,017	1,275	1,163	291	1,630	1,819	767	401	487	1,745	1,029	12,624
Grand Total	5,652	3,203	2,983	678	4,434	7,272	2,273	1,575	1,283	4,033	2,629	36,015

Source: HRD-GHS

NB: Data includes Korle Bu Teaching Hospital, Komfo Anokye Teaching Hospital and CHAG facilities

4.4 Doctor to Population Ratio

REGION	2004		2003		2002		2001	
	Number of Doctors	Doctor Population Ratio	Number of Doctors	Doctor Population Ratio	Number of Doctors	Doctor Population Ratio	Number of Doctors	Doctor Population Ratio
Western	58	37,638	60	35,255	62	33,060	63	31,526
Central	49	35,347	46	36,877	44	37,761	47	34,623
Greater Accra	527	6,550	590	5,604	424	7,469	366	8,288
Volta	49	35,986	51	33,930	55	30,876	44	37,875
Eastern	76	29,305	66	33,279	90	24,068	85	25,132
Ashanti	312	13,237	296	13,494	282	13,698	241	15,501
Brong Ahafo	56	35,783	48	40,729	67	28,467	50	37,216
Northern	25	81,338	27	73,262	28	68,721	32	58,493
Upper East	29	33,146	29	32,786	30	31,348	29	32,076
Upper West	9	68,534	12	50,541	11	54,214	13	45,107
National	1,190	17,733	1,225	16,759	1,093	18,274	970	20,036

4.5 Nurse Population Ratio

REGION	2004		2003		2002		2001	
	Number of Nurses	Nurse Population Ratio	Number of Nurses	Nurse Population Ratio	Number of Nurses	Nurse Population Ratio	Number of Nurses	Nurse Population Ratio
Western	974	2,241	916	2,309	952	2,153	911	2,180
Central	1,101	1,573	990	1,713	953	1,743	983	1,655
Greater Accra	3,564	969	3,605	917	3,019	1,049	2,370	1,280
Volta	1,431	1,232	1,202	1,440	1,110	1,530	1,111	1,500
Eastern	1,851	1,203	1,650	1,331	1,887	1,148	1,764	1,211
Ashanti	1,947	2,121	1,781	2,243	1,396	2,767	1,666	2,242
Brong Ahafo	985	2,034	679	2,879	803	2,375	591	3,149
Northern	978	2,079	831	2,380	839	2,293	746	2,509
Upper East	689	1,395	469	2,027	498	1,888	652	1,427
Upper West	451	1,368	326	1,860	467	1,277	450	1,303
National	13,971	1,510	12,449	1,649	11,924	1,675	11,244	1,728

Source: CHIM/HRD-GHS

4.6 Hospital Bed Utilisation Statistics

Region	Percentage Occupancy				Average Length of Stay				Turnover Per Bed				Turnover Interval			
	2004	2003	2002	2001	2004	2003	2002	2001	2004	2003	2002	2001	2004	2003	2002	2001
Western	53.3	52.1	51.1	50.1	4.2	4.2	4.5	4.1	46.0	45.1	41.7	45.0	3.7	3.9	4.3	4.0
Central	54.1	51.6	53.6	53.3	4.3	4.9	5.0	4.9	46.0	38.3	39.2	39.9	3.7	4.6	4.3	4.3
Greater Accra	72.2	70.0	72.3	64.6	7.9	7.5	6.7	4.6	33.3	34.1	39.3	51.5	3.1	3.2	2.6	2.5
Volta	47.4	49.1	53.7	50.6	5.8	6.1	6.5	6.8	29.7	29.4	30.3	27.3	6.5	6.3	5.6	6.6
Eastern	49.2	55.1	54.4	56.9	4.9	5.1	5.1	5.2	37.0	39.6	38.6	39.9	5.0	4.1	4.3	3.9
Ashanti	60.8	65.5	68.2	69.5	5.0	5.5	5.9	6.2	44.6	43.5	42.4	41.1	3.2	2.9	2.7	2.7
Brong Ahafo	65.5	59.9	64.8	64.6	4.5	4.7	4.7	4.6	53.5	46.9	49.9	51.7	2.4	3.1	2.6	2.5
Northern	59.1	58.9	57.4	65.9	3.1	3.2	3.2	3.4	69.6	67.8	65.0	70.0	2.2	2.2	2.4	1.8
Upper East	49.7	48.2	51.5	48.6	3.2	3.4	3.4	3.5	56.2	52.0	56.0	50.3	3.3	3.6	3.2	3.7
Upper West	51.8	48.9	54.2	52.7	3.3	3.8	4.1	4.3	57.7	47.4	48.8	44.5	3.1	3.9	3.4	3.9
National	56.8	57.6	59.4	58.9	4.8	5.0	5.1	4.9	43.7	42.0	42.4	43.8	3.6	3.7	3.5	3.4

Source: CHIM/PPME-GHS

5.0 Health Service Outputs

5.1 Outpatient Attendance by Region

Region	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Western	568,753	555,987	661,632	706,315	725,383	792,119	924,005	931,615	964,450	1,128,674
Central	234,438	276,252	337,401	408,188	429,057	529,575	658,715	734,932	824,193	860,430
Greater Accra	942,975	916,666	949,700	1,212,595	1,208,996	1,305,933	1,611,198	1,639,943	1,621,972	1,779,887
Volta	556,669	530,604	571,271	536,444	584,406	624,066	636,209	610,526	664,788	735,727
Eastern	737,781	758,755	800,724	741,171	780,550	923,226	962,951	984,570	1,057,649	1,186,311
Ashanti	905,923	1,178,964	1,333,164	917,537	1,384,714	1,592,979	1,845,741	2,226,059	2,459,629	2,517,396
Brong Ahafo	802,301	860,982	970,335	923,773	947,607	1,104,779	1,169,682	1,190,139	1,248,955	1,350,769
Northern	226,691	273,563	364,480	384,543	510,210	673,790	623,417	536,880	526,678	638,455
Upper East	250,749	295,363	256,398	380,449	454,034	490,123	481,298	604,645	561,455	565,659
Upper West	105,139	125,698	155,049	155,887	242,077	280,381	286,333	294,325	289,252	307,946
National	5,331,419	5,772,834	6,400,154	6,734,345	7,267,034	8,316,971	9,199,549	9,753,634	10,219,021	11,071,254

Source: CHIM/PPME-GHS

5.2 Outpatient Attendance per Capita

(This is the average number of outpatient visits per person)

Region	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Western	0.35	0.33	0.38	0.39	0.39	0.43	0.49	0.45	0.46	0.52
Central	0.16	0.19	0.23	0.27	0.28	0.34	0.41	0.44	0.49	0.50
Greater Accra	0.40	0.38	0.38	0.46	0.43	0.45	0.53	0.52	0.49	0.52
Volta	0.37	0.35	0.37	0.34	0.36	0.39	0.39	0.36	0.38	0.42
Eastern	0.38	0.38	0.39	0.36	0.38	0.44	0.45	0.45	0.48	0.53
Ashanti	0.40	0.37	0.41	0.38	0.40	0.50	0.56	0.58	0.62	0.61
Brong Ahafo	0.50	0.53	0.57	0.54	0.54	0.61	0.62	0.62	0.64	0.67
Northern	0.14	0.17	0.22	0.23	0.29	0.36	0.33	0.28	0.27	0.31
Upper East	0.29	0.33	0.29	0.42	0.50	0.53	0.52	0.64	0.59	0.59
Upper West	0.20	0.23	0.28	0.28	0.43	0.49	0.49	0.49	0.48	0.50
National	0.32	0.34	0.37	0.38	0.40	0.45	0.49	0.49	0.50	0.52

Source: CHIM/PPME-GHS

5.3 Inpatient Admissions by Region

Region	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Western	44,059	47,000	52,087	57,217	53,944	61,472	67,737	71,949	78,984	84,908
Central	21,649	25,427	27,382	30,336	43,392	49,169	52,999	54,871	55,820	59,611
Greater Accra	69,228	68,976	75,683	74,475	58,205	76,956	91,009	88,299	76,606	81,874
Volta	44,151	43,974	48,233	51,625	51,894	56,329	57,081	63,844	66,241	68,144
Eastern	64,575	70,212	68,362	58,681	65,108	71,106	87,163	90,329	99,469	82,859
Ashanti	72,857	75,884	106,127	88,465	97,654	108,441	107,029	133,495	150,209	153,891
Brong Ahafo	55,601	56,076	63,739	46,373	45,447	64,735	65,211	62,531	67,009	67,931
Northern	23,952	26,031	32,545	40,279	43,561	58,856	67,323	69,801	74,733	72,368
Upper East	28,153	25,045	34,267	31,104	33,900	34,483	35,382	38,910	39,164	41,695
Upper West	16,406	15,590	15,704	13,774	19,679	24,887	28,580	31,846	30,656	32,157
National	440,631	454,215	524,129	492,329	512,784	606,434	659,514	705,875	738,891	745,438

Source: CHIM/PPME-GHS

5.4 Hospital Admission Rate

(This is the average number of hospital admissions per 1,000 population)

Region	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Western	26.8	27.7	29.8	31.7	28.9	33.4	35.7	35.1	37.3	38.9
Central	15.1	17.3	18.3	19.8	27.8	31.1	32.9	33.0	32.9	34.4
Greater Accra	29.6	28.2	29.6	27.9	20.9	26.4	30.0	27.9	23.2	23.7
Volta	29.6	29.0	31.2	32.9	32.3	34.9	34.8	37.6	38.3	38.7
Eastern	32.9	35.2	33.8	28.6	31.3	33.7	40.8	41.7	45.3	37.2
Ashanti	23.8	24.0	32.5	26.2	28.0	30.0	28.7	34.6	37.6	37.3
Brong Ahafo	34.7	34.1	37.8	26.8	25.7	35.7	35.0	32.8	34.3	33.9
Northern	15.1	16.0	19.4	23.4	24.6	31.7	35.3	36.3	37.8	35.6
Upper East	32.3	28.4	38.5	34.6	37.3	37.6	38.2	41.4	41.2	43.4
Upper West	30.9	28.9	28.7	24.7	34.7	43.4	49.0	53.4	50.6	52.1
National	26.7	26.8	30.1	27.5	27.9	32.1	34.9	35.3	36.0	35.3

Source: CHIM/PPME-GHS

5.5 Top Twenty Causes of Outpatient Morbidity

	Diseases	2000		2001		2002		2003		2004	
		Number of Cases	% of Total	Number of Cases	% of Total	Number of Cases	% of Total	Number of Cases	% of Total	Number of Cases	% of Total
1	Malaria	1,672,178	42.9	2,647,099	43.3	3,140,980	43.7	3,359,191	43.9	3,379,527	44.1
2	Upper respiratory tract infection	317,963	8.2	460,995	7.5	532,531	7.4	519,652	6.8	549,398	7.2
3	Diarrhoeal Diseases	190,378	4.9	268,218	4.4	287,816	4.0	322,404	4.2	331,998	4.3
4	Skin Diseases	174,128	4.5	257,042	4.2	308,848	4.3	325,262	4.3	314,436	4.1
5	Hypertension	76,433	2.0	137,801	2.3	195,655	2.7	212,354	2.8	206,925	2.7
6	Home/Occupational Injuries	NA	NA	NA	NA	140,723	2.0	187,943	2.5	177,971	2.3
7	Acute Eye Infections	90,224	2.3	156,837	2.6	183,735	2.6	187,234	2.4	162,182	2.1
8	Pregnancy and Related Complications	116,960	3.0	174,906	2.9	178,937	2.5	151,475	2.0	145,079	1.9
9	Rheumatic and Joint Diseases	71,131	1.8	115,141	1.9	146,907	2.0	146,552	1.9	142,834	1.9
10	Anaemia	73,785	2.0	111,915	1.8	141,059	2.0	128,009	1.7	129,315	1.7
11	Intestinal Worms	89,972	2.3	137,179	2.2	133,302	1.9	151,330	2.0	119,885	1.6
12	Gynaecological Diseases	61,154	1.5	106,738	1.7	101,862	1.4	103,251	1.4	101,786	1.3
13	Pneumonia	56,288	1.4	74,048	1.2	77,064	1.1	77,477	1.0	76,742	1.0
14	Malaria in Pregnancy	NA	NA	NA	NA	28,969	0.4	58,113	0.8	74,279	1.0
15	Acute Ear Infection	44,516	1.1	70,151	1.2	73,441	1.0	71,974	0.9	74,002	1.0
16	Typhoid Fever	11,407	0.3	23,594	0.4	31,791	0.4	53,825	0.7	65,333	0.9
17	Road Traffic Injuries	NA	NA	NA	NA	98,026	1.4	61,296	0.8	64,300	0.8
18	Other Oral Conditions	NA	NA	NA	NA	33,987	0.5	49,459	0.6	52,381	0.7
19	Dental Caries	NA	NA	NA	NA	60,284	0.8	50,262	0.7	47,867	0.6
20	Chicken Pox	12,430	0.3	17,432	0.3	35,667	0.5	19,614	0.3	45,512	0.6
	All Other Diseases	836,600	21.5	1,360,426	22.2	1,262,699	17.6	1,409,845	18.4	1,398,759	18.3
	Total Cases	3,895,547		6,119,522		7,194,283		7,646,522		7,660,241	

Source: CHIM/PPME-GHS

NA: Data Not Available

About 60% of all outpatient cases are made up of Malaria, Upper Respiratory Tract Infection, Diarrhoea and Diseases of the Skin.

Hypertension has consistently remained the 5th cause of Outpatient morbidity constituting about 3% of all Outpatient reported cases.

6.0 PUBLIC HEALTH SERVICES

6.1 HIV Prevalence By Region

Region	2004	2003	2002	2001
Western	4.6	4.2	5.1	4.9
Central	3.5	5.4	2.6	3.1
Greater Accra	3.9	4.3	4.1	3.3
Volta	3.5	2.9	3.2	2.7
Eastern	6.5	6.1	7.9	6.4
Ashanti	3.0	4.7	3.9	4.1
Brong Ahafo	4.5	4.0	3.3	2.4
Northern	1.8	2.1	2.0	1.6
Upper East	3.1	3.5	3.9	2.5
Upper West	1.7	2.2	2.7	4.1
National	3.1	3.6	3.4	2.9

Source: NACP/ PHD

6.2 HIV Prevalence By Age Groups

Age Group	2004	2003	2002	2001
15 – 19 Years	2.0	1.9	2.3	2.4
20 – 24 Years	2.7	3.5	3.8	3.4
25 – 29 Years	4.5	4.4	4.5	3.9
30 – 34 Years	4.4	4.7	4.0	3.5
35 – 39 Years	3.9	4.5	3.4	3.0
40 – 44 Years	2.3	3.3	2.8	2.6
45 – 49 Years	0.0	6.0	3.8	2.3
15 – 24 Years	2.5	3.0	3.4	3.1

Source: NACP/ PHD

6.3 Guinea Worm Cases

Region	2004	2003	2002	2001
Western	4	28	1	5
Central	0	0	9	11
Greater Accra	3	3	3	6
Volta	27	37	45	83
Eastern	1,604	1,511	305	595
Ashanti	85	45	39	50
Brong Ahafo	336	492	779	860
Northern	4,979	5,999	4,207	2,929
Upper East	222	152	128	186
Upper West	15	23	29	13
National	7,275	8,290	5,545	4,738

Source: Guinea Worm Eradication Programme

6.4 Prevalence of Malaria per 100,000 Population

Region	2004		2003		2002		2001		2000	
	Malaria cases	Prevalence per 100,000	Malaria cases	Prevalence per 100,000	Malaria cases	Prevalence per 100,000	Malaria cases	Prevalence per 100,000	Malaria cases	Prevalence per 100,000
Western	402,974	18,460	318,040	15,035	269,085	13,128	356,722	17,960	233,219	12,118
Central	175,433	10,129	224,597	13,240	235,044	14,147	50,608	3,110	176,464	11,072
Greater Accra	400,378	11,599	399,261	12,075	396,913	12,533	359,917	11,864	252,900	8,704
Volta	315,242	17,878	333,375	19,266	275,327	16,213	306,370	18,384	64,842	3,965
Eastern	293,522	13,179	293,876	13,380	267,143	12,333	332,908	15,584	272,388	12,930
Ashanti	663,456	16,065	674,831	16,896	659,484	17,073	561,111	15,020	488,373	13,517
Brong Ahafo	534,560	26,676	479,273	24,515	461,652	24,204	467,372	25,117	434,231	23,919
Northern	255,544	12,567	253,326	12,807	227,703	11,834	301,783	16,123	326,367	17,924
Upper East	236,871	24,642	253,730	26,686	270,708	28,785	206,970	22,250	216,487	23,529
Upper West	101,547	16,463	128,882	21,250	77,941	13,070	101,083	17,238	104,963	18,204
National	3,379,527	16,015	2,259,191	16,363	3,141,000	15,726	3,044,844	15,667	2,570,234	13,590

Region	1999		1998		1997		1996		1995	
	Malaria cases	Prevalence per 100,000	Malaria cases	Prevalence per 100,000	Malaria cases	Prevalence per 100,000	Malaria cases	Prevalence per 100,000	Malaria cases	Prevalence per 100,000
Western	248,418	13,334	243,029	13,476	219,140	12,553	192,022	11,364	157,499	9,629
Central	166,591	10,676	154,772	10,132	150,816	10,085	125,137	8,547	140,808	9,824
Greater Accra	252,769	9,099	259,110	9,757	260,135	10,246	278,819	11,488	273,989	11,808
Volta	92,366	5,757	182,855	11,618	211,320	13,687	160,410	10,591	199,829	13,449
Eastern	200,587	9,657	235,652	11,506	255,560	11,169	184,037	9,243	220,049	11,208
Ashanti	546,781	15,667	318,141	9,436	367,752	11,292	334,548	10,634	262,541	8,639
Brong Ahafo	325,888	18,412	311,281	18,037	325,285	19,332	294,730	17,965	273,250	17,083
Northern	220,336	12,450	125,014	7,267	124,057	7,419	100,455	6,181	64,104	4,058
Upper East	117,061	12,864	108,936	12,105	78,226	8,789	83,321	9,465	61,746	7,092
Upper West	88,230	15,567	62,588	11,234	57,866	10,566	56,254	10,449	56,586	10,693
National	2,259,027	12,284	2,001,378	11,191	2,020,157	11,615	1,809,733	10,697	1,710,401	10,393

Source: CHIM/PPME-GHS

6.5 Tuberculosis Case Detection per 100,000 Population

Region	2004	2003	2002	2001	2000	1999	1998	1997
Western	66.6	78.5	78.6	85.7	71.5	81.8	79.5	60.3
Central	79.6	81.4	89.3	99.3	97.6	103.6	104.6	91.3
Greater Accra	63.7	60.5	64.5	63.3	67.1	62.9	65.0	74.1
Volta	69.6	69.8	68.0	75.9	76.1	73.0	74.4	70.1
Eastern	67.0	76.2	80.8	79.2	66.6	68.8	91.5	86.0
Ashanti	53.4	56.2	47.3	52.5	50.5	40.2	53.6	52.6
Brong Ahafo	32.7	33.6	39.2	31.5	35.2	34.2	39.7	42.8
Northern	24.1	19.3	25.4	23.8	21.6	22.0	25.3	22.4
Upper East	38.5	36.5	35.9	34.7	39.3	40.7	44.5	69.7
Upper West	34.8	31.7	52.7	67.3	37.9	27.6	45.1	41.7
National	56.6	58.4	59.1	61.4	58.0	56.6	63.5	61.7

Source: National TB Programme (PHD)

6.6 Tuberculosis Cure Rate

Region	2003	2002	2001	2000	1999	1998	1997	1996
Western	38.7	41.6	27.0	47.9	47.8	17.1	25.6	0
Central	46.3	47.5	34.4	44.7	39.7	33.2	32.5	28.2
Greater Accra	77.7	64.8	67.0	63.0	67.3	64.4	40.7	51.9
Volta	74.7	71.8	70.1	66.0	58.2	43.2	30.0	16.7
Eastern	60.0	47.0	45.8	54.1	40.2	58.6	42.4	0
Ashanti	69.0	59.2	45.8	32.2	50.9	57.0	39.1	30.1
Brong Ahafo	63.7	63.5	55.2	50.9	53.9	59.8	54.6	53.5
Northern	64.0	45.0	35.6	34.3	43.5	11.9	0	0
Upper East	59.6	56.4	60.6	28.6	59.1	58.9	54.6	0
Upper West	52.0	39.4	39.2	70.5	58.7	45.8	43.8	44.2
National	61.0	55.1	47.9	44.9	49.3	43.8	38.1	16.9

Source: National TB Programme (PHD)

7.0 Expanded Programme On Immunization

REGION	7.1 Measles Immunisation Coverage Rate, 1995 - 2004									
	2004	2003	2002	2001	2000	1999	1998	1997	1996	1995
Western	86	87	86.8	92.1	89.2	68	72.6	61.4	55.9	65.9
Central	83	81	83.5	80.5	79.0	62	72.9	63.5	55.8	65.0
Greater Accra	63	66	75.6	70.0	65.8	60	68.5	58.1	61.7	64.3
Volta	70	68	65.3	71.7	68.3	49	53.1	51.5	39.0	52.0
Eastern	86	93	91.6	84.7	87.9	57	61.9	25.9	44.3	57.2
Ashanti	68	70	77.0	83.9	68.7	57	60.8	28.6	43.7	50.6
Brong Ahafo	87	86	87.0	91.1	102.0	68	63.1	68.8	51.9	40.9
Northern	94	92	106.4	90.0	100.6	96	89.3	72.8	33.1	59.2
Upper East	88	84	93.3	77.0	95.7	73	64.4	46.4	44.4	41.1
Upper West	92	88	89.7	90.9	90.2	64	74.3	72.3	47.6	49.6
National	78	79	83.8	82.4	81.5	71.0	67.4	51.4	47.4	55.1

Source: EPI Programme

REGION	7.2 Penta 3 (DPT3) Immunisation Coverage Rate, 1995 - 2004									
	2004	2003	2002	2001	2000	1999	1998	1997	1996	1995
Western	86	88	85.4	85.7	84.5	81	72.8	44.4	55.3	52.1
Central	86	83	82.0	81.3	90.4	80	76.2	73.9	48.7	68.5
Greater Accra	55	62	71.5	64.8	65.0	68	67.3	64.0	59.8	56.9
Volta	71	67	64.7	72.7	68.1	58	57.5	70.2	38.5	46.0
Eastern	79	81	80.1	67.7	91.4	82	64.5	33.3	48.4	58.6
Ashanti	66	66	70.3	74.2	68.3	65	64.8	28.3	45.9	55.5
Brong Ahafo	83	81	82.7	86.9	97.7	78	64.9	57.4	44.6	40.9
Northern	93	85	90.2	82.3	91.2	82	82.2	64.1	24.4	46.4
Upper East	87	83	90.7	77.1	99.9	75	59.8	48.0	45.4	43.1
Upper West	90	87	84.9	91.2	102.5	77	79.8	73.2	51.7	51.1
National	76	76	78.1	76.3	81.6	73.0	68.2	52.0	45.8	52.2

Source: EPI Programme

REGION	7.3 OPV3 Immunisation Coverage Rate, 1995 - 2004									
	2004	2003	2002	2001	2000	1999	1998	1997	1996	1995
Western	86	87.4	87.1	87.1	83.7	79.0	75.3	44.4	55.4	50.9
Central	89	83.9	85.5	81.1	91.2	81.4	76.7	73.9	49.9	68.4
Greater Accra	56	60.5	71.8	65.4	66.4	67.2	68.2	64.0	58.5	56.5
Volta	71	67.1	65.0	71.5	71.1	62.9	58.7	70.2	37.3	46.0
Eastern	79	81.3	80.4	69.2	84.3	80.0	64.9	33.3	49.0	55.9
Ashanti	66	68.0	70.5	76.1	68.5	68.2	64.6	28.3	45.3	52.8
Brong Ahafo	82	80.2	81.2	86.2	96.1	79.4	63.6	57.4	41.5	38.1
Northern	93	84.7	92.0	74.4	90.9	75.0	83.1	64.1	24.2	46.3
Upper East	87	82.9	91.9	74.2	100.6	73.5	63.0	48.0	46.3	44.0
Upper West	90	86.2	85.0	92.2	103.1	82.1	79.6	73.2	52.6	50.6
National	76	75.5	78.8	75.9	81.0	74.1	68.9	52.0	45.4	51.0

Source: EPI Programme

REGION	7.4 BCG Immunisation Coverage Rate, 1995 - 2004									
	2004	2003	2002	2001	2000	1999	1998	1997	1996	1995
Western	100	101.0	104.4	108.9	102.6	97.7	86.0	84.9	76.5	72.3
Central	111	109.0	110.9	94.9	95.6	96.3	91.0	85.8	68.7	91.0
Greater Accra	72	79.3	83.3	72.8	72.4	78.1	69.0	77.0	64.4	72.9
Volta	88	82.3	80.5	84.6	83.6	73.5	66.1	66.5	47.5	62.2
Eastern	104	102.3	107.1	97.1	102.3	79.8	71.3	37.6	59.4	72.9
Ashanti	72	77.0	84.2	92.6	80.0	80.9	78.3	36.1	59.0	71.3
Brong Ahafo	98	96.7	94.6	94.8	101.5	86.1	71.7	72.4	57.4	52.9
Northern	113	101.7	107.9	82.8	99.4	88.6	91.5	71.2	33.2	54.4
Upper East	108	109.1	116.1	100.8	120.9	88.1	70.0	69.2	63.6	57.1
Upper West	106	98.5	95.6	94.5	106.2	86.5	84.4	71.8	56.7	63.6
National	92	92.0	95.6	90.8	92.0	84.7	77.4	63.6	58.18	63.5

Source: EPI Programme

REGION	7.5 Yellow Fever Immunisation Coverage Rate, 1999-2004						7.6 AFP Non-Polio Rate 2001-2004			
	2004	2003	2002	2001	2000	1999	2004	2003	2002	2001
Western	86	84.9	74.1	75.0	70.5	68	1.7	1.1	1.9	2.3
Central	81	72.9	74.7	77.0	71.3	62	1.0	1.0	1.3	2.7
Greater Accra	63	60.4	63.4	81.0	60.5	60	1.0	1.6	2.6	2.3
Volta	70	64.8	57.7	71.9	71.6	49	1.2	2.2	3.1	3.8
Eastern	83	85.7	81.7	81.3	84.4	57	1.1	1.8	2.1	1.9
Ashanti	66	68.5	68.5	80.7	59.1	57	1.9	1.3	0.8	3.2
Brong Ahafo	81	72.9	71.8	86.2	95.4	68	1.9	1.4	1.6	3.8
Northern	88	73.9	69.8	78.1	72.2	96	1.9	0.9	1.7	3.8
Upper East	88	69.5	85.2	63.1	84.0	73	1.7	0.7	5.4	2.7
Upper West	93	89.3	85.1	80.0	79.9	64	2.0	2.3	2.7	2.2
National	76	72.4	71.0	78.6	71.6	64	1.5	1.4	1.9	2.3

Source: EPI Programme

8.0 Reproductive Health Services

REGION	8.1 ANTE NATAL COVERAGE					8.2 SUPERVISED DELIVERY				
	2004	2003	2002	2001	2000	2004	2003	2002	2001	2000
Western	94.7	93.5	96.8	77.0	99.6	46.2	47.6	46.6	48.5	49.0
Central	107.7	102.8	103.0	97.9	101.7	76.3	67.1	66.6	36.0	37.3
Greater Accra	77.7	81.0	88.9	85.4	86.5	46.2	49.4	54.6	51.0	50.2
Volta	86.1	86.3	89.4	92.3	90.2	39.7	49.0	40.1	40.1	38.5
Eastern	81.4	94.6	107.8	118.7	120.7	47.2	50.6	55.0	57.1	54.3
Ashanti	79.0	83.6	81.3	86.9	90.0	56.2	56.2	55.7	54.1	56.6
Brong Ahafo	90.0	97.1	99.7	99.9	96.3	57.8	56.0	58.2	55.5	62.6
Northern	110.4	102.7	97.2	98.4	96.2	48.2	39.2	41.3	40.8	41.9
Upper East	102.0	100.2	98.6	101.0	96.0	71.2	44.9	42.5	42.2	42.0
Upper West	94.7	88.7	87.5	87.5	93.7	71.2	67.4	67.5	64.0	67.7
National	89.2	91.2	93.7	93.6	96.5	53.4	52.1	52.6	49.3	50.2

Source: RCH/PHD-GHS

REGION	8.3 POST NATAL CARE					8.4 FAMILY PLANNING ACCEPTORS				
	2004	2003	2002	2001	2000	2004	2003	2002	2001	2000
Western	32.8	36.8	40.6	44.3	39.0	23.2	13.8	11.4	13.4	7.4
Central	70.6	67.0	63.1	53.5	54.8	33.6	24.2	22.2	25.0	16.7
Greater Accra	40.9	47.3	51.0	46.5	43.4	18.5	25.1	28.8	42.6	22.6
Volta	45.7	59.1	44.6	45.5	38.0	29.9	26.2	20.6	24.7	14.3
Eastern	67.1	63.1	59.3	63.0	59.4	25.6	32.1	25.8	27.0	10.8
Ashanti	52.8	58.1	58.6	57.9	30.3	13.2	14.0	14.2	11.0	9.9
Brong Ahafo	55.0	54.1	54.1	55.9	59.3	47.9	34.8	34.4	37.5	15.1
Northern	62.9	62.0	51.9	51.7	49.0	16.7	14.3	14.1	16.4	9.1
Upper East	48.4	50.1	48.2	47.5	49.7	20.2	18.7	16.5	17.4	18.5
Upper West	94.1	75.8	73.6	70.2	83.8	44.6	31.4	33.4	39.9	16.1
National	53.3	55.7	53.7	52.9	46.3	24.3	22.3	21.0	20.3	11.6

Source: RCH/PHD-GHS

8.5 Institutional Maternal Mortality Ratio

Region	2004		2003		2002		2001		2000	
	Maternal Deaths	Maternal Mortality Ratio	Maternal Deaths	Maternal Mortality Ratio	Maternal Deaths	Maternal Mortality Ratio	Maternal Deaths	Maternal Mortality Ratio	Maternal Deaths	Maternal Mortality Ratio
Western	63	155.4	82	209.5	86	231.9	83	221.4	104	283.0
Central	71	134.5	71	159.3	86	206.5	100	450.5	103	446.8
Greater Accra	114	183.0	120	187.7	83	122.8	91	150.7	63	110.7
Volta	71	261.9	84	256.2	91	345.6	94	363.2	88	361.9
Eastern	109	267.0	113	262.6	92	198.2	139	292.4	108	243.4
Ashanti	161	176.4	173	196.1	172	203.4	184	232.1	177	220.3
Brong Ahafo	104	229.6	84	196.2	102	235.1	110	273.1	62	139.5
Northern	66	172.0	77	254.8	49	158.2	59	197.5	60	201.0
Upper East	46	170.9	34	203.5	59	378.3	52	338.9	56	371.5
Upper West	19	107.7	16	99.1	17	106.7	42	283.2	30	195.9
National	824	186.0	854	204.5	837	204.4	954	255.7	851	229.7

Region	1999		1998		1997		1996		1995	
	Maternal Deaths	Maternal Mortality Ratio	Maternal Deaths	Maternal Mortality Ratio	Maternal Deaths	Maternal Mortality Ratio	Maternal Deaths	Maternal Mortality Ratio	Maternal Deaths	Maternal Mortality Ratio
Western	98	221.4	78	249.8	53	182.9	44	149.9	38	130.5
Central	106	450.5	117	655.9	93	493.1	57	290.3	81	424.9
Greater Accra	28	150.7	93	204.2	49	109.1	37	90.9	35	92.7
Volta	97	363.2	70	364.1	60	289.9	48	253.3	66	323.7
Eastern	121	292.4	78	202.1	101	295.3	85	281.5	109	359.7
Ashanti	134	232.1	140	219.8	128	209.8	141	279.0	116	302.1
Brong Ahafo	91	273.1	81	213.1	89	217.6	70	208.1	87	263.0
Northern	73	197.5	61	294.6	39	215.7	38	244.4	38	202.8
Upper East	43	338.9	45	406.1	42	420.8	52	522.7	48	482.4
Upper West	22	283.2	14	112.4	33	332.9	13	153.8	13	146.9
National	813	255.7	777	260.4	687	239.0	585	227.6	631	238.4

Source: CHIM/RCH

Institutional Maternal Mortality Ratio is the number of maternal deaths occurring in health facilities per 100,000 live births.

9.0 Health Financing

9.1 Proportion of Health Budget by category

Indicator	2001	2002	2003	2004
% GoG budget spent on health	9.1	11.1	8.0	12.9
% GoG recurrent budget spent on health	10.2	11.0	12.0	14.0
Proportion of non-wage recurrent budget spent at district level	48.6	40.9	43.0	43.0
% earmarked Donor funds	62.3	NA	50.0	45.0
% IGF from pre-payment and community insurance schemes	3.0	NA	5.0	10.0
% Recurrent budget from GoG and health fund allocated to private sector, CSOs, NGOs, and other MDA	1.2	NA	1.6	1.8
% Recurrent budget spent on exemptions	3.6	3.2	5.0	6.0

Source: Planning and Budget Unit (PPME/GHS)

NA: Data Not Available

APPENDIX 1

10.1

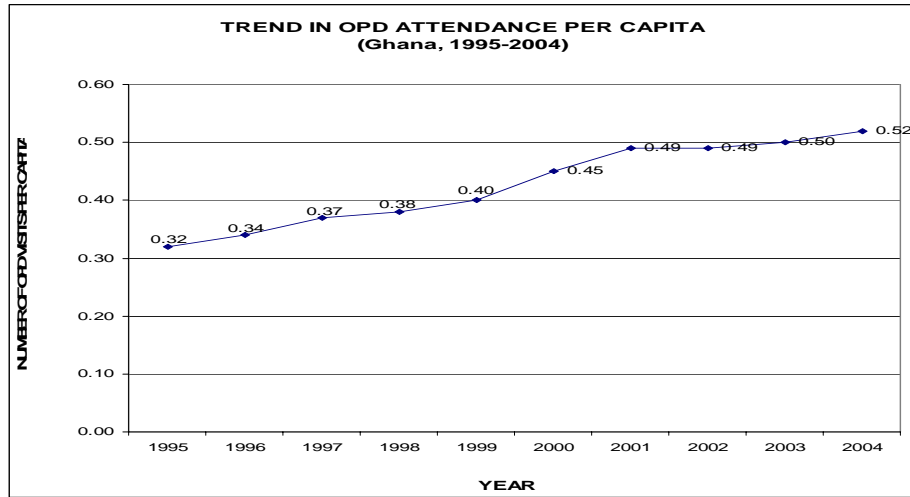


Figure 1

10.2

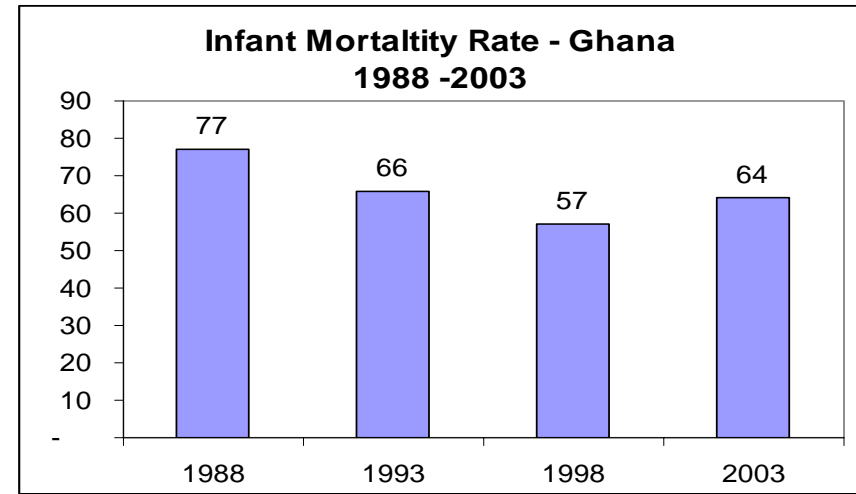


Figure 2

10.3

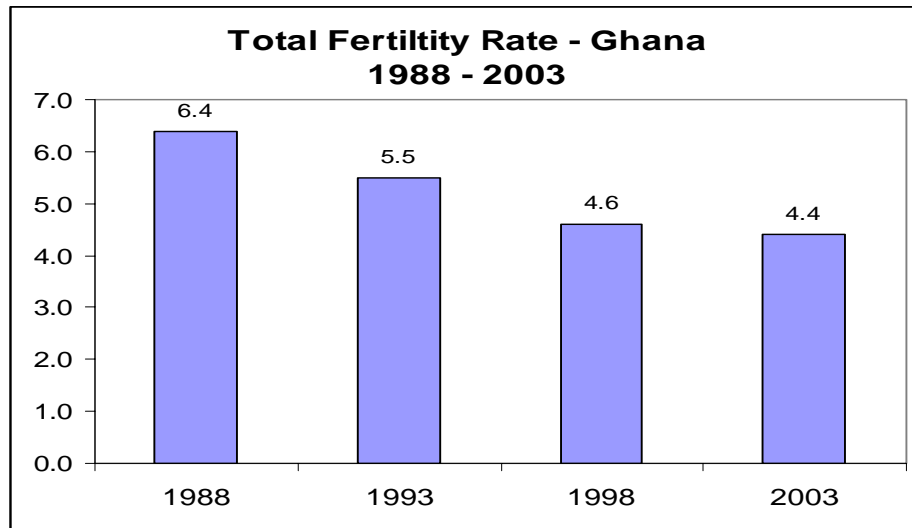


Figure 3

10.4

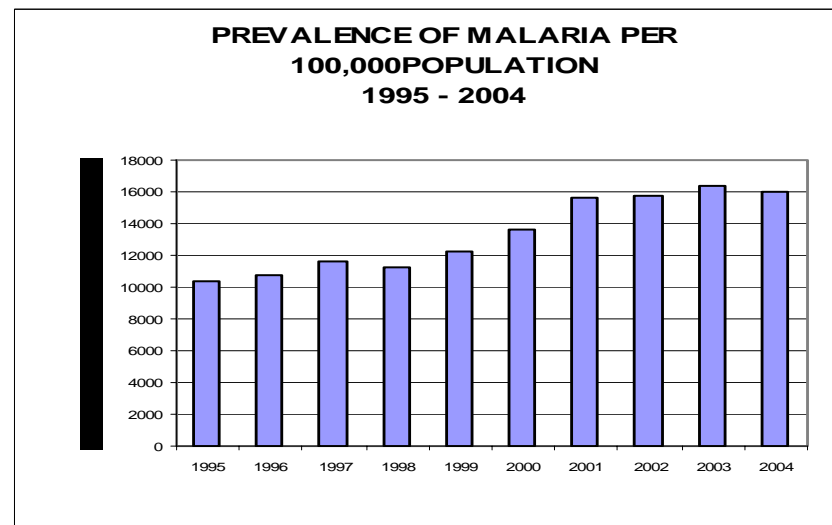


Figure 4

10.5

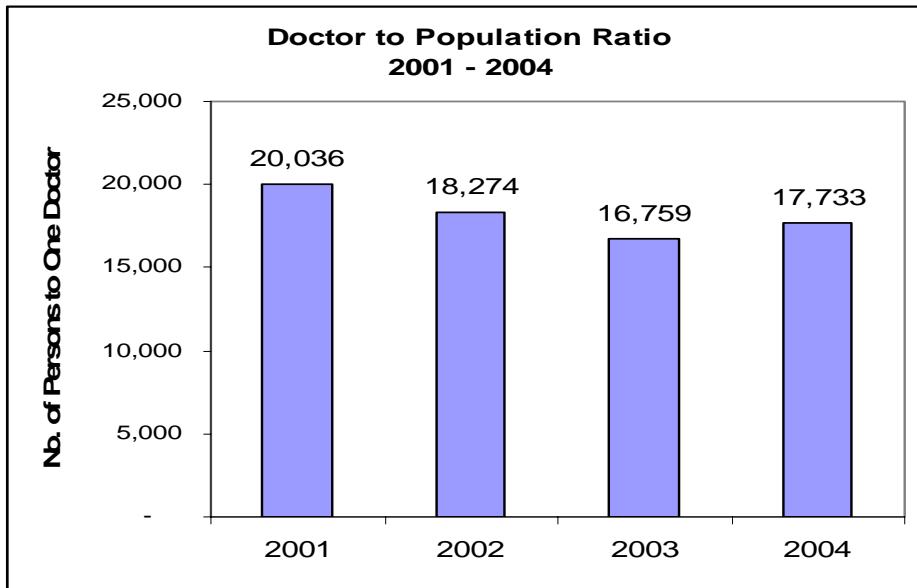


Figure 5

10.6

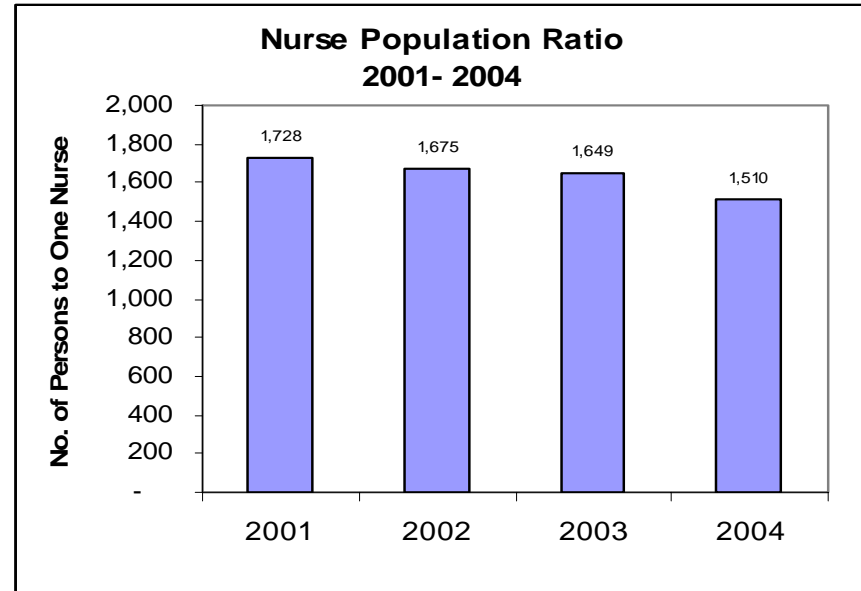


Figure 6

10.7

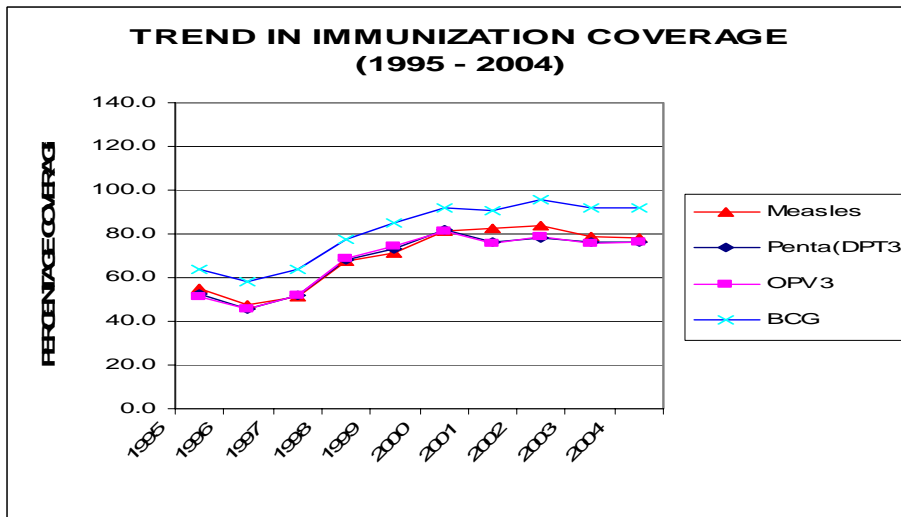


Figure 7

10.8

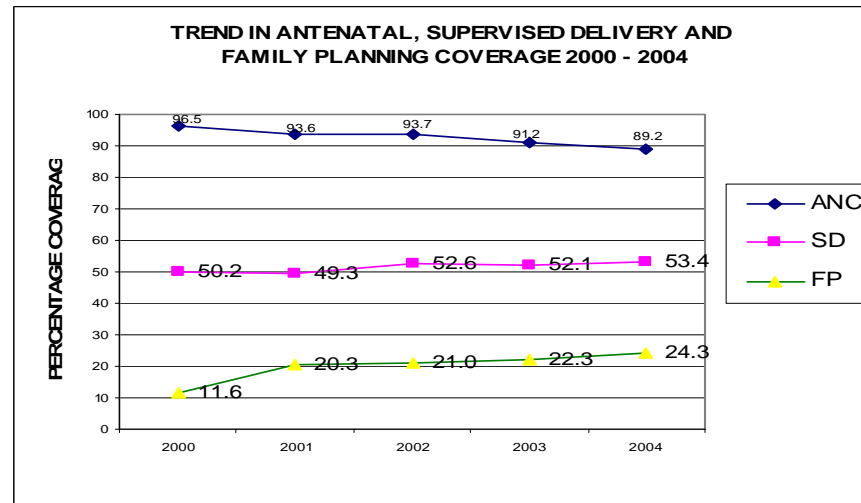


Figure 8

APPENDIX 2

11.0 MAJOR CAUSES OF ADMISSIONS AND DEATHS – 2003

Data on the causes of hospital admissions and deaths were collected from the nine regional hospitals and hospitals in two selected districts in each region. The total number of admissions analyzed was 171,034 cases. This represents 23.2% of the total number of admissions reported in the year.

11.1 Top Ten Causes and Admission and Death - National

Rank	Cause of Admission	%	Cause of Death	PMR %	CFR %
1	Malaria	24.6	Malaria	17.1	3.3
2	Delivery	24.2	Anaemia	9.6	8.6
3	Anaemia	5.2	Pneumonia	7.2	8.4
4	Pneumonia	4.1	Cerebrovascular accident	5.6	29.3
5	Complications of pregnancy	3.5	Typhoid fever	3.5	7.8
6	Diarrhoea	3.4	Diarrhoea	3.5	4.9
7	Hernia	2.5	Hypertension	3.3	7.7
8	Injuries	2.2	Hepatitis	3.2	22.2
9	Typhoid fever	2.1	Meningitis	3.0	21.8
10	Hypertension	2.0	Sepsis	2.8	25.6
	Other diseases	26.1	Other diseases	41.1	
	Total	100.0	Total	100.0	

Source: CHIM/PPME-GHS

11.2 Top Ten Causes and Admission and Death - Western

Rank	Cause of Admission	%	Cause of Death	PMR %	CFR %
1	Malaria	29.1	Malaria	16.4	2.9
2	Delivery	14.6	Anaemia	14.2	11.1
3	Anaemia	6.6	Pneumonia	6.8	7.9
4	Complications of pregnancy	6.4	Hepatitis	4.1	22.5
5	Pneumonia	4.5	Hypertension	4.0	7.5
6	Diarrhoea	3.8	Cerebrovascular accident	3.4	27.2
7	Injuries	2.9	Diarrhoea	3.4	4.6
8	Hypertension	2.6	Typhoid fever	3.4	9.7
9	Hernia	2.5	Cardiopathy	2.7	18.4
10	Typhoid fever	1.8	Injuries	2.4	4.4
	Other diseases	25.2	Other diseases	39.2	
	Total	100.0	Total	100.0	

Source: CHIM/PPME-GHS

11.3 Top Ten Causes and Admission and Death – Central

Rank	Cause of Admission	%	Cause of Death	PMR %	CFR %
1	Delivery	28.1	Malaria	20.8	4.2
2	Malaria	24.9	Anaemia	9.5	10.1
3	Anaemia	4.8	Pneumonia	6.0	13.7
4	Diarrhoea	3.7	Cerebrovascular accident	5.1	21.9
5	Hypertension	2.9	Hypertension	4.4	7.9
6	Road traffic accident	2.3	Diarrhoea	3.9	5.5
7	Pneumonia	2.2	Neonatal cause	3.2	18.0
8	Complications of pregnancy	1.9	Typhoid fever	2.9	8.9
9	Injuries	1.8	Renal disease	2.6	15.7
10	Hernia	1.8	Sepsis	2.6	23.7
	Other diseases	25.7	Other diseases	38.9	
	Total	100.0	Total	100.0	

Source: CHIM/PPME-GHS

11.4 Top Ten Causes and Admission and Death – Greater Accra

Rank	Cause of Admission	%	Cause of Death	PMR %	CFR %
1	Delivery	39.1	Malaria	17.7	8.0
2	Malaria	12.4	Cerebrovascular accident	11.4	34.5
3	Complications of pregnancy	5.7	Anaemia	6.7	11.9
4	Pneumonia	3.7	Pneumonia	6.7	10.0
5	Anaemia	3.2	Cardiopathy	5.8	20.5
6	Hernia	3.1	Hypertension	4.8	15.6
7	Abdominal colic (unspecified)	2.3	Typhoid fever	3.5	12.7
8	Diarrhoea	2.1	Diarrhoea	3.2	8.6
9	Appendicitis	2.0	Liver disease	2.3	61.3
10	Cerebrovascular accident	1.9	Meningitis	2.1	25.8
	Other diseases	24.6	Other diseases	35.8	
	Total	100.0	Total	100.0	

Source: CHIM/PPME-GHS

11.5 Top Ten Causes and Admission and Death – Volta

Rank	Cause of Admission	%	Cause of Death	PMR %	CFR %
1	Delivery	28.1	Cerebrovascular accident	13.0	27.6
2	Malaria	25.6	Malaria	12.2	1.9
3	Diarrhoea	3.8	Anaemia	6.7	9.3
4	Road traffic accident	3.2	Pneumonia	6.7	12.2
5	Anaemia	2.9	Cardiopathy	4.6	18.9
6	Injuries	2.4	Sepsis	3.5	24.6
7	Complications of pregnancy	2.3	Tuberculosis	3.0	22.6
8	Hernia	2.3	Road traffic accident	3.0	3.8
9	Pneumonia	2.2	Cancer	2.8	14.4
10	Hypertension	2.2	Typhoid fever	2.8	12.0
	Other diseases	25.1	Other diseases	41.5	
	Total	100.0	Total	100.0	

Source: CHIM/PPME-GHS

11.6 Top Ten Causes and Admission and Death – Eastern

Rank	Cause of Admission	%	Cause of Death	PMR %	CFR %
1	Delivery	26.9	Malaria	23.1	4.3
2	Malaria	24.0	Anaemia	7.8	7.6
3	Complications of pregnancy	5.2	Cerebrovascular accident	7.4	28.6
4	Anaemia	4.5	Pneumonia	7.0	7.5
5	Pneumonia	4.2	Hypertension	5.6	9.9
6	Diarrhoea	3.6	Diarrhoea	3.8	4.9
7	Hypertension	2.5	Cardiopathy	3.1	16.7
8	Convulsions	2.1	Diabetes	2.8	13.2
9	Injuries	1.7	Sepsis	2.4	13.7
10	Hernia	1.7	Tuberculosis	2.4	30.4
	Other diseases	23.7	Other diseases	34.4	
	Total	100.0	Total	100.0	

Source: CHIM/PPME-GHS

11.7 Top Ten Causes and Admission and Death – Ashanti

Rank	Cause of Admission	%	Cause of Death	PMR %	CFR %
1	Delivery	27.8	Malaria	12.1	3.4
2	Malaria	14.9	Neonatal conditions	8.5	20.6
3	Cataract	7.7	Typhoid fever	7.6	6.3
4	Pneumonia	4.5	Cerebrovascular accident	6.2	33.8
5	Typhoid fever	4.5	Anaemia	6.2	6.2
6	Diarrhoea	3.9	Hepatitis	5.9	23.9
7	Anaemia	3.6	Pneumonia	5.9	5.2
8	Hypertension	2.5	Diarrhoea	5.7	6.2
9	Injury	2.2	Tuberculosis	2.7	12.8
10	Hernia	1.8	Liver disease	2.5	42.3
	Other diseases	26.6	Other diseases	36.6	
	Total	100.0	Total	100.0	

Source: CHIM/PPME-GHS

11.8 Top Ten Causes and Admission and Death – Brong Ahafo

Rank	Cause of Admission	%	Cause of Death	PMR %	CFR %
1	Delivery	42.6	Sepsis	9.8	45.1
2	Malaria	8.2	Malaria	8.8	7.1
3	Anaemia	6.0	Pneumonia	7.3	14.2
4	Hernia	3.9	Cerebrovascular accident	6.2	39.3
5	Pneumonia	3.4	HIV/AIDS	5.7	31.6
6	Typhoid fever	3.3	Hepatitis	5.0	32.4
7	Injury	2.3	Anaemia	4.5	5.0
8	Sepsis	1.4	Liver disease	3.6	35.8
9	Fracture	1.4	Cancer	3.6	29.6
10	Diarrhoea	1.4	Cardiopathy	3.6	25.0
	Other diseases	26.2	Other diseases	42.0	
	Total	100.0	Total	100.0	

Source: CHIM/PPME-GHS

11.9 Top Ten Causes and Admission and Death – Northern

Rank	Cause of Admission	%	Cause of Death	PMR %	CFR %
1	Malaria	30.0	Malaria	21.6	3.1
2	Delivery	16.1	Anaemia	14.0	9.9
3	Anaemia	6.2	Pneumonia	7.7	7.1
4	Pneumonia	4.7	Diarrhoea	4.6	4.3
5	Diarrhoea	4.6	Convulsions	4.0	10.7
6	Complications of pregnancy	3.9	Typhoid fever	3.9	7.0
7	Injury	3.2	Meningitis	3.7	20.1
8	Road traffic accident	2.8	Neonatal cause	3.0	17.8
9	Typhoid fever	2.4	Hepatitis	2.3	14.3
10	Hernia	2.4	Road traffic accident	2.3	3.7
	Other diseases	23.8	Other diseases	32.9	
	Total	100.0	Total	100.0	

Source: CHIM/PPME-GHS

11.10 Top Ten Causes and Admission and Death – Upper East

Rank	Cause of Admission	%	Cause of Death	PMR %	CFR %
1	Malaria	27.1	Malaria	15.7	3.6
2	Delivery	21.3	Pneumonia	11.1	11.3
3	Pneumonia	6.1	Anaemia	9.2	9.5
4	Anaemia	6.1	Meningitis	9.2	33.0
5	Hernia	3.4	Tuberculosis	6.1	22.2
6	Complications of pregnancy	3.2	Typhoid fever	4.6	10.0
7	Typhoid fever	2.8	Hepatitis	3.5	27.7
8	Snake bite	2.3	Cerebrovascular accident	3.1	29.0
9	Diarrhoea	2.0	Abdominal colic (unspecified)	2.7	21.4
10	Disease male genital tract	1.7	Liver disease	2.3	31.3
	Other diseases	24.0	Other diseases	32.5	
	Total	100.0	Total	100.0	

Source: CHIM/PPME-GHS

11.11 Top Ten Causes and Admission and Death – Upper West

Rank	Cause of Admission	%	Cause of Death	PMR %	CFR %
1	Malaria	40.9	Malaria	21.0	1.1
2	Delivery	12.1	Anaemia	14.3	4.4
3	Anaemia	6.6	Pneumonia	6.4	3.1
4	Pneumonia	4.7	Diarrhoea	5.2	2.9
5	Diarrhoea	4.0	Hepatitis	5.2	14.3
6	Hernia	2.3	Meningitis	4.6	11.5
7	Snake bite	2.3	Typhoid fever	4.6	6.3
8	Road Traffic Accident	2.0	Convulsions	3.3	13.9
9	Upper Resp. Tract Infection	1.8	Malnutrition	2.4	13.8
10	Complications of pregnancy	1.7	HIV/AIDS	2.4	23.5
	Other diseases	21.6	Other diseases	30.7	
	Total	100.0	Total	100.0	

Source: CHIM/PPME-GHS

12.0 International and National Health Days

Theme

Date

World Leprosy Day	1 st January
1 st National Immunization Day	January
Ghana Health Service Awareness Month	March
World Tuberculosis Day	March
2 nd National Immunization Day	April
World Health Day	7 th April
African Malaria Day	25 th April
Dental Care Month	May
Nurses Week	May
Prevention of Blindness Awareness (Ghana)	May
Family Planning Week (Ghana)	May
World No Tobacco Day	31 st May
Drug Abuse Day	26 th June
Diabetic Week (Ghana)	July
National Oral Health Week	July
World Population Day	11 th July
Midwives Day	August
World Breastfeeding Day	1 st August
World Aged Day	1 st October
Mental Health Week	10 th October
3 rd National Immunization Day	November
AIDS Awareness Month (Ghana)	November
World Diabetic Day	14 th November
4 th National Immunization Day	December
World AIDS Day	1 st December