

THE HEALTH SECTOR IN GHANA

FACTS AND FIGURES

2007

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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.

This document, *The Health Sector in Ghana: Facts and Figures, 2007* is an update version of that produced in 2005. It 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 document has proved immensely popular as judged by the high demand for it from various quarters.

The data and 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 and 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 2007

The Ghana Health Service (GHS) has been established under Act 525 as an agency of the Ministry of Health to ensure access to health services at the community, subdistrict, district and regional levels. The policies of the Service are therefore drawn from the National Health Policy and the third 5YrPOW (2007-2011) and the third 5yr POW. The new Health Policy focuses on the promotion of healthy lifestyles such as good nutrition, regular exercises, recreation and personal hygiene. This e “new paradigm” places healthy lifestyles within the context of the physical and social environments where people live, school and work emphasising potable water, sanitation, and safe food, housing and roads, as a means to promote good health and prevent diseases and injury.

Other key factors and initiatives that influenced GHS Policy thrust include the Ghana Poverty Reduction Strategy (GPRS II), the Millennium Development Goals, Global Health Partnerships, the African Union (AU) health strategy and the NEPAD health strategy.

Significant progress has been made in areas such as the control of vaccine preventable diseases while indicators relating to TB control, malaria, HIV/AIDS and nutrition have shown positive trends. However the burden of communicable including neglected diseases and non-communicable diseases continue to increase due to unhealthy lifestyle choices. High maternal mortality, still birth rates and infant mortality continue to persist. The rollout of CHPS which is a proven effective strategy to take services to the doorstep of the communities has been extremely slow.

The GHS continues to face many challenges including inadequate coverage of priority interventions, inadequate financing and delays in the disbursement of funds. Despite increasing investment in human resource, poor staff attitude and low productivity continue to persist with resulting poor utilisation of services in health facilities. Overall, there is insufficient monitoring and supervision across all levels of the GHS, contributing to a general lack of commitment and little accountability for performance.

The policy thrust for the next five years (2007-2011) is to “Strengthen Systems for effective and efficient delivery of services to households and communities with a focus to improve maternal and child health outcomes”. This will revolve around scaling up high impact rapid delivery public health interventions and improving the quality of clinical care services. The broad activities are geared towards achievement of the four strategic objectives of the health sector. The key results areas under the strategic objectives are as follows:

Strategic Objective 1: Healthy Lifestyle and Healthy Environment

- Regenerative Health and Nutrition

Strategic Objective 2: Healthy Reproductive and Nutrition Services

- Control of communicable and non-communicable diseases
- Reproductive and Sexual Health
- Child Health
- Nutrition
- Clinical Care
- Rehabilitation

Strategic Objective 3: General Health System Development

- Human Resource Development and Management
- Infrastructure Development and management
- Health Information Management
- Equipment Management
- Transport
- Drugs and essential logistics management
- Information and Communication Technology(ICT)

Strategic Objective 4: Governance, partnerships and Sustainable Financing

- Leadership
- Collaboration and partnerships
- Monitoring and Evaluation

The broad priority activities are

1. Scale up the implementation of HIRD interventions.
2. Ensure continuous surveillance and timely reporting of epidemic prone diseases and establish epidemic preparedness and response mechanisms and ensure effective management and control of epidemics
3. Strengthen quality assurance programmes including strengthening referral systems, instituting and providing 24 hour essential services
4. Strengthen the accounting systems at all levels and improve monitoring and supervision to ensure compliance to available financial rules and regulations.
5. Institutionalise the peer review mechanism and district league performance table and introduce schemes to motivate lower level managers to perform.
6. Introduce systems to improve management and access to health information at the district level.
7. Ensure compliance to planned preventive maintenance plans at all levels
8. Refine and clarify strategies and programmes for promoting gender equity

2.0 Demography and Vital Statistics

2.1 Population Distribution by Region – 2007

NATIONAL TARGET POPULATION BY REGION – 2007				
	Region	Regional Projection	Target Population less than 1 year and expected pregnancy (4%)	Target Population for WIFA (23.2%)
1	Ashanti	4,565,683	182,627	1,059,238
2	Brong Ahafo	2,157,949	86,318	500,644
3	Central	1,843,403	73,736	431,356
4	Eastern	2,322,029	92,881	536,389
5	Greater Accra	3,927,879	157,115	1,119,446
6	Northern	2,209,100	88,364	486,002
7	Upper East	993,317	39,733	228,463
8	Upper West	648,797	25,952	149,872
9	Volta	1,865,730	74,629	434,715
10	Western	2,399,348	95,974	556,649
	Total	22,933,234	917,329	5,502,774

Source: GSS 2000 Census (Projection)

2.2 Population Distribution by District, Western Region – 2007

WESTERN REGION TARGET POPULATION BY DISTRICT - 2007				
	Region	Regional Projection	Target Population less than 1 year and expected pregnancy (4%)	Target Population for WIFA (23.2%)
1	Ahanta West	118,610	4,744	27,518
2	Aowin Suaman	148,522	5,941	34,357
3	Bia	137,719	5,509	31,951
4	Bibiani A. Bekwai	128,728	5,149	29,865
5	Jomoro	138,816	5,553	32,205
6	Juabeso	167,763	6,711	38,921
7	Mpohor Wassa East	152,838	6,114	35,458
8	Nzema East	178,116	7,125	41,323
9	Sefwi Wiawso	185,694	7,428	43,081
10	Shama Ahanta East	460,235	18,409	106,775
11	Wassa Amenfi East	109,856	4,394	25,487
12	Wassa Amenfi West	182,348	7,294	42,305
13	Wassa West	290,103	11,604	67,304
	Total	2,399,348	95,974	556,649

Source: GSS 2000 Census (Projection)

2.3 Population Distribution by District, Central Region – 2007

CENTRAL REGION TARGET POPULATION BY DISTRICT - 2007				
	Region	Regional Projection	Target Population less than 1 year and expected pregnancy (4%)	Target Population for WIFA (23.2%)
1	Abura Asebu K.	104,201	4,168	24,383
2	Agona	183,846	7,354	43,020
3	Ajumako E. E.	106,366	4,255	24,890
4	Asikuma O.B	103,394	4,136	24,194
5	Assin North	123,184	4,967	29,059
6	Assin South	103,037	4,121	24,111
7	Awutu Efutu Senya	196,588	7,864	46,002
8	Cape Coast	136,600	5,464	13,965
9	Gomoa	225,295	9,012	52,719
10	K.E.E.A	130,044	5,202	30,430
11	Mfantiman	176,791	7,072	41,369
12	Twifo Hemang L.D	127,632	5,105	29,866
13	Upper Denkyira	125,425	5,017	29,350
	Total	1,843,403	73,736	431,356

Source: GSS 2000 Census (Projection)

2.4 Population Distribution by District, Greater Accra – 2007

GREATER ACCRA TARGET POPULATION BY DISTRICT - 2007				
	Region	Regional Projection	Target Population less than 1 year and expected pregnancy (4%)	Target Population for WIFA (23.2%)
1	Accra Metro	2,242,505	89,700	639,114
2	Dangbe East	125,866	5,035	35,872
3	Dangbe West	130,864	5,235	37,296
4	Ga East	281,724	11,269	80,291
5	Ga West	462,382	18,495	131,779
6	Tema	684,537	27,381	195,093
	Total	3,927,879	157,115	1,119,446

Source: GSS 2000 Census (Projection)

2.5 Population Distribution by District, Volta Region – 2007

VOLTA REGION TARGET POPULATION BY DISTRICT - 2007				
	Region	Regional Projection	Target Population less than 1 year and expected pregnancy (4%)	Target Population for WIFA (23.2%)
1	Adaklu Anyigbe	104,929	4,197	24,449
2	Akatsi	106,641	4,266	24,847
3	Ho	163,542	6,542	38,105
4	Hohoe	174,600	6,984	40,682
5	Jasikan	126,957	5,078	29,581
6	Kadjebi	59,321	2,373	13,822
7	Keta	153,484	6,099	35,529
8	Ketu	270,673	10,827	63,067
9	Kpando	72,379	2,895	16,864
10	Krachi East	86,200	3,448	20,084
11	Krachi West	96,247	3,850	22,425
12	Nkwanta	172,580	6,903	40,211
13	North Tongu	148,750	5,950	34,659
14	South Dayi	56,490	2,260	13,162
15	South Tongu	73,938	2,958	17,228
	Total	1,865,730	74,629	434,715

Source: GSS 2000 Census (Projection)

2.6 Population Distribution by District, Upper East Region – 2007

UPPER EAST TARGET POPULATION BY DISTRICT - 2007				
	Region	Regional Projection	Target Population less than 1 year and expected pregnancy (4%)	Target Population for WIFA (23.2%)
1	Bawku East	207,957	8,318	47,830
2	Bawku West	87,021	3,481	20,015
3	Bolgatanga	149,354	5,974	34,352
4	Bongo	84,084	3,363	19,339
5	Builsa	81,374	3,255	18,716
6	Garu Tempene	124,467	4,979	28,627
7	Kassina Nankana	161,389	6,456	37,119
8	Talansi Nabdram	97,672	3,907	22,465
	Total	993,317	39,733	228,463

Source: GSS 2000 Census (Projection)

2.7 Population Distribution by District, Eastern Region – 2007

EASTERN REGION TARGET POPULATION BY DISTRICT - 2007				
	Region	Regional Projection	Target Population less than 1 year and expected pregnancy (4%)	Target Population for WIFA (23.2%)
1	Afram Plains	149,822	5,993	34,609
2	Akwapim North	115,460	4,618	26,671
3	Akwapim South	128,236	5,129	29,622
4	Asuogyaman	83,680	3,347	19,330
5	Atiwa	99,658	3,986	23,021
6	Birim North	136,081	5,443	31,435
7	Birim South	197,681	7,907	45,664
8	East Akim	110,145	4,406	25,444
9	Fanteakwa	94,960	3,798	21,936
10	Kwaebibirem	197,527	7,901	45,629
11	Kwahu South	173,168	6,927	40,002
12	Kwahu West	66,547	2,662	15,372
13	Manya Krobo	170,073	6,803	39,287
14	New Juaben	150,748	6,030	34,823
15	Suhum K. Coltar	183,488	7,340	42,386
16	West Akim	169,918	6,797	39,251
17	Yilo Krobo	94,838	3,794	21,908
	Total	2,322,029	92,881	536,389

Source: GSS 2000 Census (Projection)

2.8 Population Distribution by District, Upper West Region – 2007

UPPER WEST TARGET POPULATION BY DISTRICT - 2007				
	Region	Regional Projection	Target Population less than 1 year and expected pregnancy (4%)	Target Population for WIFA (23.2%)
1	Jirapa	108,962	4,358	25,170
2	Lawra	98,487	3,939	22,750
3	Nadowli	93,076	3,723	21,500
4	Sissala East	50,916	3,129	11,762
5	Sissala West	45,227	1,809	10,448
6	Wa East	78,218	3,129	18,068
7	Wa Municipal	112,375	4,495	25,959
8	Wa West	61,535	2,461	14,215
	Total	648,797	25,952	149,872

Source: GSS 2000 Census (Projection)

2.9 Population Distribution by District, Ashanti Region – 2007

ASHANTI REGION TARGET POPULATION BY DISTRICT - 2007				
	Region	Regional Projection	Target Population less than 1 year and expected pregnancy (4%)	Target Population for WIFA (23.2%)
1	Adanse North	141,969	5,679	32,937
2	Adanse South	138,123	5,525	32,045
3	Afigya Sekyere	150,498	6,020	34,915
4	Ahafo Ano North	90,926	3,637	21,095
5	Ahafo Ano South	168,871	6,755	39,178
6	Amansie Central	82,384	3,295	19,113
7	Amansie East	202,340	8,094	46,943
8	Amansie West	137,397	5,496	31,876
9	Asanti Akim North	159,829	6,393	37,080
10	Asanti Akim South	122,412	4,896	28,400
11	Atwima Mponua	115,194	4,608	26,725
12	Atwima Nwabeagya	185,074	7,403	42,937
13	Bosomtwe A. K	184,535	7,381	42,812
14	Ejisu Juaben	156,921	6,277	36,406
15	Ejura Seko	102,505	4,100	23,781
16	Kumasi Metro	1,478,869	59,155	343,098
17	Kwabre	208,091	8,324	48,277
18	Obuasi Municipality	184,627	7,385	42,834
19	Offinso	175,245	7,010	40,657
20	Sekyere East	198,901	7,956	46,145
21	Sekyere West	180,969	7,239	41,985
	Total	4,565,689	182,627	1,059,238

Source: GSS 2000 Census (Projection)

2.10 Population Distribution by District, Brong Ahafo Region – 2007

BRONG AHAFO REGION TARGET POPULATION BY DISTRICT - 2007				
	Region	Regional Projection	Target Population less than 1 year and expected pregnancy (4%)	Target Population for WIFA (23.2%)
1	Asunafo North	117,341	4,694	27,223
2	Asunafo South	89,521	3,581	20,769
3	Asutifi	100,426	4,017	23,299
4	Atebubu Amanteng	98,242	3,930	22,792
5	Berekum	110,827	4,433	25,712
6	Dormaa	178,658	7,146	41,449
7	Jaman North	82,867	3,315	19,225
8	Jaman South	93,447	3,738	21,680
9	Kintampo North	101,696	4,068	23,594
10	Kintampo South	72,767	2,911	16,882
11	Nkronza	153,293	6,132	35,564
12	Pru	95,906	3,836	22,250
13	Sene	97,670	3,907	22,659
14	Sunyani	212,971	8,519	49,409
15	Tain	101,026	4,041	23,438
16	Tano North	74,787	2,991	17,351
17	Tano South	71,902	2,876	16,681
18	Techiman	2007,545	8,302	48,150
19	Wenchi	97,058	3,882	22,517
	Total	2,157,949	86,318	500,644

Source: GSS 2000 Census (Projection)

2.11 Population Distribution by District, Northern Region – 2007

NORTHERN REGION TARGET POPULATION BY DISTRICT - 2007				
	Region	Regional Projection	Target Population less than 1 year and expected pregnancy (4%)	Target Population for WIFA (23.2%)
1	Bole	64,790	2,592	14,254
2	Bunkrugu Yunyoo	103,955	4,158	22,870
3	Central Gonja	87,901	3,516	19,338
4	East Gonja	211,713	8,469	46,577
5	East Mamprusi	108,199	4,328	23,804
6	Gushiegu	98,915	3,957	21,761
7	Karaga	53,263	2,131	11,718
8	Numumba North	113,147	4,526	24,892
9	Numumba South	61,899	2,476	13,618
10	Saboba Chereponi	113,860	4,554	25,049
11	Saveligu Nanton	109,154	4,366	24,014
12	Sawla Tuna Kalba	89,472	3,579	19,684
13	Tamale	356,552	14,262	78,442
14	Tolon Kumbugu	161,160	6,446	35,455
15	West Gonja	81,140	3,246	17,851
16	West Mamprusi	139,555	5,582	30,702
17	Yendi	158,335	6,333	34,834
18	Zabzugu Tatale	96,091	3,844	21,140
	Total	2,209,100	88,364	486,002

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	77	66	57	64	155	119	108	111
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, 200

4.0 Health Infrastructure

4.1 Health Facilities by Type and Ownership, 2007

SUMMARY OF HEALTH FACILITIES - ALL REGIONS - 2007																				
REGION	TEACHING HOSPITALS	REGIONAL HOSPITALS	PSYCHIA TRIC HOSPITALS	HOSPITALS					POLY CLINIC	HEALTH CENTRE AND CLINICS					MATERNITY HOMES			CHPS		GRAND TOTAL
	GOVT	GOVT	GOVT	CHAG	GOVT	ISLAMIC	PRIVATE	QUASI GOVT	GOVT	CHAG	GOVT	ISLAMIC	PRIVATE	QUASI GOVT	GOVT	PRIVATE	QUASI GOVT	GOVT	PRIVATE	
ASHANTI	1			17	22	3	48	2		32	140	2	161	9	3	105		4		549
BRONG AHAFO		1		9	7	1	6			8	123	0	18	4	3	37		11		228
CENTRAL		1	1	3	8	1	8	1		9	68	0	62	2		34		43		241
EASTERN		1		5	12		5	3		19	165	0	63	7	1	47		44		372
GREATER ACCRA	1	1	2	3	7	2	79	6	7	5	42	1	232	16	2	55	1	4		466
NORTHERN		1		4	8		1	2		25	120	0	5	3		9		10		188
UPPER EAST		1		1	4					15	54	0	11	1		2		55		144
UPPER WEST		1		2	3	2	1			14	60	3	4	0		6		39		135
VOLTA		1		8	11		7	1	1	9	192	0	23	0		24		19		296
WESTERN		1		3	11	1	1	7	2	20	95	2	109	22		60		56	2	392
GRAND TOTAL	2	9	3	55	93	10	156	22	10	156	1059	8	688	64	9	379	1	285	2	3011

Source: CHIM/PPME-GHS

4.2 Number of Hospital Beds by Region and Ownership - 2006

Region	Government	CHAG	Islamic	Quasi Government	Private	Total	% By Region
Ashanti	1,922	1,131	130	221	594	3,998	18.79
Brong Ahafo	588	1,051	68	44	9	1,760	8.27
Central	1,166	355	32	47	0	1,600	7.52
Eastern	1,505	993	0	177	0	2,675	12.57
Greater Accra	2,937	29	0	759	593	4,318	20.30
Northern	800	362	0	0	0	1,162	5.46
Upper East	537	287	0	0	0	824	3.87
Upper West	346	336		0	0	682	3.21
Volta	1,283	956	0	47	0	2,286	10.75
Western	1,149	419	41	360	0	1,969	9.26
Total	12,233	5,919	271	1,655	1,196	21,274	100.0
% By Ownership	57.50	27.82	1.27	7.78	5.62	100.0	

Source: CHIM/PPME-GHS

NB: Data for Quasi Government and Private Hospitals are incomplete

4.3 Hospital Bed Utilisation Statistics

Region	Percentage Occupancy						Average Length of Stay					
	2006	2005	2004	2003	2002	2001	2006	2005	2004	2003	2002	2001
Ashanti	54.3	60.6	60.8	65.5	68.2	69.5	4.4	4.8	5.0	5.5	5.9	6.2
Brong Ahafo	55.3	57.5	65.5	59.9	64.8	64.6	4.0	4.5	4.5	4.7	4.7	4.6
Central	46.2	50.2	54.1	51.6	53.6	53.3	3.8	4.0	4.3	4.9	5.0	4.9
Eastern	50.7	50.3	49.2	55.1	54.4	56.9	4.9	4.7	4.9	5.1	5.1	5.2
Greater Accra	61.5	68.0	72.2	70.0	72.3	64.6	6.3	6.2	7.9	7.5	6.7	4.6
Northern	49.0	60.8	59.1	58.9	57.4	65.9	3.5	3.1	3.1	3.2	3.2	3.4
Upper East	41.1	45.9	49.7	48.2	51.5	48.6	3.1	3.0	3.2	3.4	3.4	3.5
Upper West	43.2	52.1	51.8	48.9	54.2	52.7	3.6	3.4	3.3	3.8	4.1	4.3
Volta	46.3	45.3	47.4	49.1	53.7	50.6	5.6	5.6	5.8	6.1	6.5	6.8
Western	49.4	51.9	53.3	52.1	51.1	50.1	4.1	4.2	4.2	4.2	4.5	4.1
National	51.3	55.2	56.8	57.6	59.4	58.9	4.5	4.5	4.8	5.0	5.1	4.9

Region	Turnover Per Bed						Turnover Interval					
	2006	2005	2004	2003	2002	2001	2006	2005	2004	2003	2002	2001
Ashanti	45.4	46.2	44.6	43.5	42.4	41.1	3.7	3.1	3.2	2.9	2.7	2.7
Brong Ahafo	49.9	47.0	53.5	46.9	49.9	51.7	3.3	3.3	2.4	3.1	2.6	2.5
Central	44.6	46.2	46.0	38.3	39.2	39.9	4.4	3.9	3.7	4.6	4.3	4.3
Eastern	38.1	38.8	37.0	39.6	38.6	39.9	4.7	4.7	5.0	4.1	4.3	3.9
Greater Accra	35.8	39.9	33.3	34.1	39.3	51.5	3.9	2.9	3.1	3.2	2.6	2.5
Northern	51.4	71.4	69.6	67.8	65.0	70.0	3.6	2.0	2.2	2.2	2.4	1.8
Upper East	49.1	55.6	56.2	52.0	56.0	50.3	4.4	3.6	3.3	3.6	3.2	3.7
Upper West	43.8	55.4	57.7	47.4	48.8	44.5	4.7	3.2	3.1	3.9	3.4	3.9
Volta	30.4	29.8	29.7	29.4	30.3	27.3	6.4	6.7	6.5	6.3	5.6	6.6
Western	44.3	45.0	46.0	45.1	41.7	45.0	4.2	3.9	3.7	3.9	4.3	4.0
National	42.0	44.4	43.7	42.0	42.4	43.8	4.2	3.7	3.6	3.7	3.5	3.4

Source: CHIM/PPME-GHS

5.0 Human Resources for Health

5.1 Distribution of Health Professionals by Region – 2006

Profession	Ashanti	Brong Ahafo	Central	Eastern	Greater Accra	Northern	Upper East	Upper West	Volta	Western	Grand Total
Medical Officers	374	81	55	102	661	32	34	14	72	67	1492
Dental Surgeons	5	2	2	2	17				2	4	34
Pharmacists	281	84	45	79	224	56	39	25	56	52	941
Medical Assistants	78	41	41	37	72	50	32	18	37	36	442
Professional Nurses	1410	593	627	899	2543	610	463	358	807	504	8814
Auxiliary Nurses	657	441	518	932	1246	401	294	127	599	478	5693
Physiotherapists	8	6	2	2	25	2			4	3	52
Health Services Administrator	29	13	12	16	29	6	4	6	10	9	134
Health Educators	6	9	2		14	1	1	1	1	1	36
Architects & Engineers	106	46	59	51	164	41	25	15	63	45	615
Accountants/Accounts Officers	251	150	107	173	386	84	73	58	144	85	1511
Dispensing Technician/Assistants	65	39	41	69	65	20	13	6	45	23	386
Estate Officers	10	6	4	4	12	5	3	2	3	4	53
Health Research Officers	1	6	1		9		8	1			26
Dental Technologists/Therapists	4	1		1	5				1		12
Biostatistics Officers	112	60	96	107	170	41	28	22	130	83	849
Catering Officers/Cooks	73	32	77	64	144	31	34	14	81	59	609
Dieticians	3	2	2	3	21	3	1				35
Nutrition Officers	8	6	6	4	13	4	6	2	3	6	58
Technical Officers	259	183	103	189	380	92	84	54	125	153	1622
Administrative Staff	278	169	123	153	365	128	67	72	173	136	1664
Health Planner	1		1	1	11		1				15

Profession	Ashanti	Brong Ahafo	Central	Eastern	Greater Accra	Northern	Upper East	Upper West	Volta	Western	Grand Total
Other Technical Staff	147	90	65	112	144	81	37	50	80	57	863
Artisans/Tradesmen	43	58	50	69	99	20	27	27	114	31	538
Security Guard/Watchmen	170	127	103	85	134	73	88	53	108	69	1010
Other Staff	2076	1088	941	1399	1480	721	339	373	1311	804	10532
Grand Total	6455	3333	3083	4553	8433	2502	1701	1298	3969	2709	38036

Source: HRD-GHS

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

5.2 Doctor to Population Ratio

REGION	2006		2005		2004	
	Number of Doctors	Doctor Population Ratio	Number of Doctors	Doctor Population Ratio	Number of Doctors	Doctor Population Ratio
Ashanti	378	11681	323	13221	312	13,237
Brong Ahafo	83	25365	61	33672	56	35,783
Central	57	31675	47	37625	49	35,347
Eastern	104	22019	86	26260	76	29,305
Greater Accra	669	5624	495	7280	527	6,550
Northern	32	67154	28	74657	25	81,338
Upper East	34	28897	32	30369	29	33,146
Upper West	14	45568	11	57026	9	68,534
Volta	72	25430	62	28981	49	35,986
Western	71	32746	67	33625	58	37,638
National	1,514	14,732	1,212	17,899	1,190	17,733

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

Source: CHIM/HRD-GHS

5.3 Nurse to Population Ratio

REGION	2006		2005		2004	
	Number of Nurses	Nurse Population Ratio	Number of Nurses	Nurse Population Ratio	Number of Nurses	Nurse Population Ratio
Ashanti	2067	2136	2019	2115	1,947	2,121
Brong Ahafo	1034	2036	1020	2014	985	2,034
Central	1145	1577	1144	1546	1,101	1,573
Eastern	1831	1251	1878	1203	1,851	1,203
Greater Accra	3789	993	3693	976	3,564	969
Northern	1011	2126	1044	2002	978	2,079
Upper East	757	1298	711	1367	689	1,395
Upper West	485	1315	464	1352	451	1,368
Volta	1406	1302	1421	1264	1,431	1,232
Western	982	2368	990	2276	974	2,241
National	14,507	1,537	14,384	1,508	13,971	1,510

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

Source: CHIM/HRD-GHS

6.0 Health Service Outputs

6.1 Outpatient Attendance by Region

Region	2006	2005	2004	2003	2002	2001
Ashanti	2,613,618	2,711,662	2,517,396	2,459,629	2,226,059	1,845,741
Brong Ahafo	1,912,396	1,502,660	1,350,769	1,248,955	1,190,139	1,169,682
Central	900,881	875,734	860,430	824,193	734,932	658,715
Eastern	1,477,204	1,278,852	1,186,311	1,057,649	984,570	962,951
Greater Accra	1,785,471	1,828,929	1,779,887	1,621,972	1,639,943	1,611,198
Northern	652,054	681,667	638,455	526,678	536,880	623,417
Upper East	538,202	561,182	565,659	561,455	604,645	481,298
Upper West	290,449	339,923	307,946	289,252	294,325	286,333
Volta	745,979	750,000	735,727	664,788	610,526	636,209
Western	1,324,909	1,114,579	1,128,674	964,450	931,615	924,005
National	12,241,163	11,650,188	11,071,254	10,219,021	9,753,634	9,199,549

Region	2000	1999	1998	1997	1996	1995
Ashanti	1,592,979	1,384,714	917,537	1,333,164	1,178,964	905,923
Brong Ahafo	1,104,779	947,607	923,773	970,335	860,982	802,301
Central	529,575	429,057	408,188	337,401	276,252	234,438
Eastern	923,226	780,550	741,171	800,724	758,755	737,781
Greater Accra	1,305,933	1,208,996	1,212,595	949,700	916,666	942,975
Northern	673,790	510,210	384,543	364,480	273,563	226,691
Upper East	490,123	454,034	380,449	256,398	295,363	250,749
Upper West	280,381	242,077	155,887	155,049	125,698	105,139
Volta	624,066	584,406	536,444	571,271	530,604	556,669
Western	792,119	725,383	706,315	661,632	555,987	568,753
National	8,316,971	7,267,034	6,734,345	6,400,154	5,772,834	5,331,419

Source: CHIM/PPME-GHS

6.2 Outpatient Attendance per Capita

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

Region	2006	2005	2004	2003	2002	2001	2000	1999	1998	1997	1996	1995
Ashanti	0.59	0.63	0.61	0.62	0.58	0.56	0.50	0.40	0.38	0.41	0.37	0.40
Brong Ahafo	0.91	0.73	0.67	0.64	0.62	0.62	0.61	0.54	0.54	0.57	0.53	0.50
Central	0.50	0.50	0.50	0.49	0.44	0.41	0.34	0.28	0.27	0.23	0.19	0.16
Eastern	0.65	0.57	0.53	0.48	0.45	0.45	0.44	0.38	0.36	0.39	0.38	0.38
Greater Accra	0.47	0.51	0.52	0.49	0.52	0.53	0.45	0.43	0.46	0.38	0.38	0.40
Northern	0.30	0.33	0.31	0.27	0.28	0.33	0.36	0.29	0.23	0.22	0.17	0.14
Upper East	0.55	0.58	0.59	0.59	0.64	0.52	0.53	0.50	0.42	0.29	0.33	0.29
Upper West	0.46	0.54	0.50	0.48	0.49	0.49	0.49	0.43	0.28	0.28	0.23	0.20
Volta	0.41	0.42	0.42	0.38	0.36	0.39	0.39	0.36	0.34	0.37	0.35	0.37
Western	0.57	0.49	0.52	0.46	0.45	0.49	0.43	0.39	0.39	0.38	0.33	0.35
National	0.55	0.54	0.52	0.50	0.49	0.49	0.45	0.40	0.38	0.37	0.34	0.32

Source: CHIM/PPME

6.3 Inpatient Admissions by Region

Region	2006	2005	2004	2003	2002	2001
Ashanti	147,223	158,436	153,891	150,209	133,495	107,029
Brong Ahafo	81,607	77,798	67,931	67,009	62,531	65,211
Central	67,628	63,932	59,611	55,820	54,871	52,999
Eastern	91,578	100,222	82,859	99,469	90,329	87,163
Gr. Accra	92,890	98,561	81,874	76,606	88,299	91,009
Northern	60,547	67,063	72,368	74,733	69,801	67,323
Upper East	41,166	42,971	41,695	39,164	38,910	35,382
Upper West	29,716	36,047	32,157	30,656	31,846	28,580
Volta	69,919	70,000	68,144	66,241	63,844	57,081
Western	85,446	85,407	84,908	78,984	71,949	67,737
National	767,720	800,437	745,438	738,891	705,875	659,514

Region	2000	1999	1998	1997	1996	1995
Ashanti	108,441	97,654	88,465	106,127	75,884	72,857
Brong Ahafo	64,735	45,447	46,373	63,739	56,076	55,601
Central	49,169	43,392	30,336	27,382	25,427	21,649
Eastern	71,106	65,108	58,681	68,362	70,212	64,575
Gr. Accra	76,956	58,205	74,475	75,683	68,976	69,228
Northern	58,856	43,561	40,279	32,545	26,031	23,952
Upper East	34,483	33,900	31,104	34,267	25,045	28,153
Upper West	24,887	19,679	13,774	15,704	15,590	16,406
Volta	56,329	51,894	51,625	48,233	43,974	44,151
Western	61,472	53,944	57,217	52,087	47,000	44,059
National	606,434	512,784	492,329	524,129	454,215	440,631

Source: CHIM/PPME-GHS

6.4 Hospital Admission Rate

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

Region	2006	2005	2004	2003	2002	2001	2000	1999	1998	1997	1996	1995
Ashanti	33.3	37.1	37.3	37.6	34.6	28.7	30.0	28.0	26.2	32.5	24.0	23.8
Brong Ahafo	38.8	37.9	33.9	34.3	32.8	35.0	35.7	25.7	26.8	37.8	34.1	34.7
Central	37.5	36.2	34.4	32.9	33.0	32.9	31.1	27.8	19.8	18.3	17.3	15.1
Eastern	40.0	44.4	37.2	45.3	41.7	40.8	33.7	31.3	28.6	33.8	35.2	32.9
Greater Accra	25.0	27.3	23.7	23.2	27.9	30.0	26.4	20.9	27.9	29.6	28.2	29.6
Northern	28.2	32.1	35.6	37.8	36.3	35.3	31.7	24.6	23.4	19.4	16.0	15.1
Upper East	41.9	44.2	43.4	41.2	41.4	38.2	37.6	37.3	34.6	38.5	28.4	32.3
Upper West	46.6	57.5	52.1	50.6	53.4	49.0	43.4	34.7	24.7	28.7	28.9	30.9
Volta	38.2	39.0	38.7	38.3	37.6	34.8	34.9	32.3	32.9	31.2	29.0	29.6
Western	37.0	37.9	38.9	37.3	35.1	35.7	33.4	28.9	31.7	29.8	27.7	26.8
National	34.4	36.9	35.3	36.0	35.3	34.9	32.1	27.9	27.5	30.1	26.8	26.7

Source: CHIM/PPME-GHS

6.5 Top Twenty Causes of Outpatient Morbidity 2004-2006

	Diseases	2006		2005		2004	
		Number of Cases	% of Total	Number of Cases	% of Total	Number of Cases	% of Total
1	Malaria	3,861,348	37.83	3,799,158	44.76	3,379,527	44.1
2	Upper respiratory tract infection	632,755	6.20	581,323	6.85	549,398	7.2
3	Diarrhoeal Diseases	345,454	3.38	352,384	4.15	331,998	4.3
4	Skin Diseases	341,044	3.34	352,295	4.15	314,436	4.1
5	Hypertension	283,591	2.78	249,342	2.94	206,925	2.7
6	Home/Occupational Injuries	167,029	1.64	192,033	2.26	177,971	2.3
7	Acute Eye Infections	192,984	1.89	190,293	2.24	162,182	2.1
8	Pregnancy and Related Complications	136,958	1.34	172,253	2.03	145,079	1.9
9	Rheumatic and Joint Diseases	183,144	1.79	162,162	1.91	142,834	1.9
10	Anaemia	143,171	1.40	144,606	1.70	129,315	1.7
11	Intestinal Worms	130,071	1.27	134,440	1.58	119,885	1.6
12	Gynaecological Diseases	100,913	0.99	110,199	1.30	101,786	1.3
13	Pneumonia	91,491	0.90	83,154	0.95	76,742	1.0
14	Malaria in Pregnancy	86,730	0.85	94,135	1.11	74,279	1.0
15	Acute Ear Infection	89,163	0.87	80,154	0.95	74,002	1.0
16	Typhoid Fever	67,780	0.66	76,293	0.90	65,333	0.9
17	Road Traffic Injuries	64,646	0.63	76,486	0.90	64,300	0.8
18	Other Oral Conditions	52,073	0.51	52,394	0.62	52,381	0.7
19	Dental Caries	53,632	0.53	52,615	0.62	47,867	0.6
20	Chicken Pox	N/A	N/A	N/A	N/A	45,512	0.6
	All Other Diseases	2,696,156	26.41	1,167,593	13.76	1,398,759	18.3
	Total Cases	10,208,310		8,163,597		7,660,241	

6.5 Top Twenty Causes of Outpatient Morbidity (continued), 2000-2003

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

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.

7.0 PUBLIC HEALTH SERVICES

7.1 HIV Prevalence by Region

Region	2006	2005	2004	2003	2002	2001
Ashanti	3.7	3.0	3.0	4.7	3.9	4.1
Brong Ahafo	2.8	3.3	4.5	4.0	3.3	2.4
Central	2.5	2.9	3.5	5.4	2.6	3.1
Eastern	4.9	4.7	6.5	6.1	7.9	6.4
Greater Accra	3.4	2.1	3.9	4.3	4.1	3.3
Northern	1.3	1.2	1.8	2.1	2.0	1.6
Upper East	3.2	2.6	3.1	3.5	3.9	2.5
Upper West	2.5	2.6	1.7	2.2	2.7	4.1
Volta	3.0	1.9	3.5	2.9	3.2	2.7
Western	4.3	2.9	4.6	4.2	5.1	4.9
National	3.2	2.7	3.1	3.6	3.4	2.9

Source: NACP/ PHD

7.2 HIV Prevalence by Age Groups

Age Group	2006	2005	2004	2003	2002	2001
15 – 19 Yrs	1.4	0.8	2.0	1.9	2.3	2.4
20 – 24 Yrs	2.9	2.4	2.7	3.5	3.8	3.4
25 – 29 Yrs	4.2	3.6	4.5	4.4	4.5	3.9
30 – 34 Yrs	3.7	3.2	4.4	4.7	4.0	3.5
35 – 39 Yrs	2.8	2.4	3.9	4.5	3.4	3.0
40 – 44 Yrs	3.3	3.7	2.3	3.3	2.8	2.6
45 – 49 Yrs	2.5	5.0	0.0	6.0	3.8	2.3
15 – 24 Yrs	2.5	1.9	2.5	3.0	3.4	3.1

Source: NACP/ PHD

7.3 Guinea Worm Cases

Region	2006	2005	2004	2003	2002	2001
Ashanti	53	59	85	45	39	50
Brong Ahafo	204	289	336	492	779	860
Central	0	0	0	0	9	11
Eastern	8	17	1,604	1,511	305	595
Greater Accra	1	3	3	3	3	6
Northern	3679	2973	4,979	5,999	4,207	2,929
Upper East	6	7	222	152	128	186
Upper West	90	322	15	23	29	13
Volta	86	286	27	37	45	83
Western	2	2	4	28	1	5
National	4,129	3,958	7,275	8,290	5,545	4,738

Source: Guinea Worm Eradication Programme

7.4 Prevalence of Malaria per 100,000 Population by Region

Region	2006		2005		2004		2003		2002		2001	
	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	Malaria cases	Prevalence per 100,000
Ashanti	856,301	19,393	800,698	18,750	663,456	16,065	674,831	16,896	659,484	17,073	561,111	15,020
Brong Ahafo	730,879	34,716	595,992	29,017	534,560	26,676	479,273	24,515	461,652	24,204	467,372	25,117
Central	262,517	14,540	154,103	8,714	175,433	10,129	224,597	13,240	235,044	14,147	50,608	3,110
Eastern	234,869	10,256	393,598	17,429	293,522	13,179	293,876	13,380	267,143	12,333	332,908	15,584
Greater Accra	443,061	11,776	472,146	13,101	400,378	11,599	399,261	12,075	396,913	12,533	359,917	11,864
Northern	274,019	12,751	301,489	14,423	255,544	12,567	253,326	12,807	227,703	11,834	301,783	16,123
Upper East	237,114	24,133	276,786	28,481	236,871	24,642	253,730	26,686	270,708	28,785	206,970	22,250
Upper West	117,048	18,347	110,092	17,550	101,547	16,463	128,882	21,250	77,941	13,070	101,083	17,238
Volta	224,987	12,288	301,246	16,766	315,242	17,878	333,375	19,266	275,327	16,213	306,370	18,384
Western	480,553	20,669	393,008	17,445	402,974	18,460	318,040	15,035	269,085	13,128	356,722	17,960
National	3,861,348	18,032	3,799,158	17,513	3,379,527	16,015	2,259,191	16,363	3,141,000	15,726	3,044,844	15,667

Region	2000		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	Malaria cases	Prevalence per 100,000
Ashanti	488,373	13,517	546,781	15,667	318,141	9,436	367,752	11,292	334,548	10,634	262,541	8,639
Brong Ahafo	434,231	23,919	325,888	18,412	311,281	18,037	325,285	19,332	294,730	17,965	273,250	17,083
Central	176,464	11,072	166,591	10,676	154,772	10,132	150,816	10,085	125,137	8,547	140,808	9,824
Eastern	272,388	12,930	200,587	9,657	235,652	11,506	255,560	11,169	184,037	9,243	220,049	11,208
Greater Accra	252,900	8,704	252,769	9,099	259,110	9,757	260,135	10,246	278,819	11,488	273,989	11,808
Northern	326,367	17,924	220,336	12,450	125,014	7,267	124,057	7,419	100,455	6,181	64,104	4,058
Upper East	216,487	23,529	117,061	12,864	108,936	12,105	78,226	8,789	83,321	9,465	61,746	7,092
Upper West	104,963	18,204	88,230	15,567	62,588	11,234	57,866	10,566	56,254	10,449	56,586	10,693
Volta	64,842	3,965	92,366	5,757	182,855	11,618	211,320	13,687	160,410	10,591	199,829	13,449
Western	233,219	12,118	248,418	13,334	243,029	13,476	219,140	12,553	192,022	11,364	157,499	9,629
National	2,570,234	13,590	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

7.5 Tuberculosis Case Detection per 100,000 Population

Region	2006	2005	2004	2003	2002	2001	2000	1999	1998	1997
Ashanti	49	53	53.4	56.2	47.3	52.5	50.5	40.2	53.6	52.6
Brong Ahafo	31	28	32.7	33.6	39.2	31.5	35.2	34.2	39.7	42.8
Central	61	75	79.6	81.4	89.3	99.3	97.6	103.6	104.6	91.3
Eastern	72	75	67.0	76.2	80.8	79.2	66.6	68.8	91.5	86.0
Greater Accra	78	67	63.7	60.5	64.5	63.3	67.1	62.9	65.0	74.1
Northern	20	18	24.1	19.3	25.4	23.8	21.6	22.0	25.3	22.4
Upper East	32	34	38.5	36.5	35.9	34.7	39.3	40.7	44.5	69.7
Upper West	28	35	34.8	31.7	52.7	67.3	37.9	27.6	45.1	41.7
Volta	61	64	69.6	69.8	68.0	75.9	76.1	73.0	74.4	70.1
Western	75	76	66.6	78.5	78.6	85.7	71.5	81.8	79.5	60.3
National	57	57	56.6	58.4	59.1	61.4	58.0	56.6	63.5	61.7

Source: National TB Programme (PHD)

7.6 Tuberculosis Cure Rate

Region	2005	2004	2003	2002	2001	2000	1999	1998	1997	1996
Ashanti	74.7	71.9	69.0	59.2	45.8	32.2	50.9	57.0	39.1	30.1
Brong Ahafo	60.8	61.1	63.7	63.5	55.2	50.9	53.9	59.8	54.6	53.5
Central	62.9	42.4	46.3	47.5	34.4	44.7	39.7	33.2	32.5	28.2
Eastern	63.1	61.4	60.0	47.0	45.8	54.1	40.2	58.6	42.4	0
Greater Accra	80.5	82.0	77.7	64.8	67.0	63.0	67.3	64.4	40.7	51.9
Northern	66.0	47.0	64.0	45.0	35.6	34.3	43.5	11.9	0	0
Upper East	66.9	67.4	59.6	56.4	60.6	28.6	59.1	58.9	54.6	0
Upper West	47.4	62.5	52.0	39.4	39.2	70.5	58.7	45.8	43.8	44.2
Volta	77.3	74.4	74.7	71.8	70.1	66.0	58.2	43.2	30.0	16.7
Western	57.6	55.6	38.7	41.6	27.0	47.9	47.8	17.1	25.6	0
National	67.6	64.0	61.0	55.1	47.9	44.9	49.3	43.8	38.1	16.9

Source: National TB Programme (PHD)

8.0 Expanded Programme On Immunization

REGION	8.1 Measles Immunisation Coverage Rate, 1995 - 2006											
	2006	2005	2004	2003	2002	2001	2000	1999	1998	1997	1996	1995
Ashanti	73.7	79	68	70	77.0	83.9	68.7	57	60.8	28.6	43.7	50.6
Brong Ahafo	99.4	89	87	86	87.0	91.1	102.0	68	63.1	68.8	51.9	40.9
Central	89.0	85	83	81	83.5	80.5	79.0	62	72.9	63.5	55.8	65.0
Eastern	93.8	92	86	93	91.6	84.7	87.9	57	61.9	25.9	44.3	57.2
Greater Accra	65.9	67	63	66	75.6	70.0	65.8	60	68.5	58.1	61.7	64.3
Northern	112.4	96	94	92	106.4	90.0	100.6	96	89.3	72.8	33.1	59.2
Upper East	95.8	85	88	84	93.3	77.0	95.7	73	64.4	46.4	44.4	41.1
Upper West	101.1	78	92	88	89.7	90.9	90.2	64	74.3	72.3	47.6	49.6
Volta	71.0	69	70	68	65.3	71.7	68.3	49	53.1	51.5	39.0	52.0
Western	90.3	80	86	87	86.8	92.1	89.2	68	72.6	61.4	55.9	65.9
National	85.1	81	78	79	83.8	82.4	81.5	71.0	67.4	51.4	47.4	55.1

Source: Expanded Programme on Immunisation

REGION	8.2 Penta 3 (DPT3) Immunisation Coverage Rate, 1995 - 2006											
	2006	2005	2004	2003	2002	2001	2000	1999	1998	1997	1996	1995
Ashanti	71.0	73	66	66	70.3	74.2	68.3	65	64.8	28.3	45.9	55.5
Brong Ahafo	96.8	91	83	81	82.7	86.9	97.7	78	64.9	57.4	44.6	40.9
Central	88.4	88	86	83	82.0	81.3	90.4	80	76.2	73.9	48.7	68.5
Eastern	88.6	89	79	81	80.1	67.7	91.4	82	64.5	33.3	48.4	58.6
Greater Accra	65.4	66	55	62	71.5	64.8	65.0	68	67.3	64.0	59.8	56.9
Northern	115.2	112	93	85	90.2	82.3	91.2	82	82.2	64.1	24.4	46.4
Upper East	92.6	97	87	83	90.7	77.1	99.9	75	59.8	48.0	45.4	43.1
Upper West	92.4	76	90	87	84.9	91.2	102.5	77	79.8	73.2	51.7	51.1
Volta	77.5	75	71	67	64.7	72.7	68.1	58	57.5	70.2	38.5	46.0
Western	91.1	85	86	88	85.4	85.7	84.5	81	72.8	44.4	55.3	52.1
National	84.2	83	76	76	78.1	76.3	81.6	73.0	68.2	52.0	45.8	52.2

Source: Expanded Programme on Immunisation

REGION	8.3 OPV3 Immunisation Coverage Rate, 1995 - 2006											
	2006	2005	2004	2003	2002	2001	2000	1999	1998	1997	1996	1995
Western	89.6	85	86	87.4	87.1	87.1	83.7	79.0	75.3	44.4	55.4	50.9
Central	88.2	102	89	83.9	85.5	81.1	91.2	81.4	76.7	73.9	49.9	68.4
Greater Accra	64.8	66	56	60.5	71.8	65.4	66.4	67.2	68.2	64.0	58.5	56.5
Volta	78.0	76	71	67.1	65.0	71.5	71.1	62.9	58.7	70.2	37.3	46.0
Eastern	88.8	91	79	81.3	80.4	69.2	84.3	80.0	64.9	33.3	49.0	55.9
Ashanti	70.6	72	66	68.0	70.5	76.1	68.5	68.2	64.6	28.3	45.3	52.8
Brong Ahafo	97.1	91	82	80.2	81.2	86.2	96.1	79.4	63.6	57.4	41.5	38.1
Northern	113.3	112	93	84.7	92.0	74.4	90.9	75.0	83.1	64.1	24.2	46.3
Upper East	92.6	96	87	82.9	91.9	74.2	100.6	73.5	63.0	48.0	46.3	44.0
Upper West	92.3	75	90	86.2	85.0	92.2	103.1	82.1	79.6	73.2	52.6	50.6
National	83.7	84	76	75.5	78.8	75.9	81.0	74.1	68.9	52.0	45.4	51.0

Source: Expanded Programme on Immunisation

REGION	8.4 BCG Immunisation Coverage Rate, 1995 - 2006											
	2006	2005	2004	2003	2002	2001	2000	1999	1998	1997	1996	1995
Ashanti	87.5	86	72	77.0	84.2	92.6	80.0	80.9	78.3	36.1	59.0	71.3
Brong Ahafo	111.6	99	98	96.7	94.6	94.8	101.5	86.1	71.7	72.4	57.4	52.9
Central	114.5	115	111	109.0	110.9	94.9	95.6	96.3	91.0	85.8	68.7	91.0
Eastern	110.2	114	104	102.3	107.1	97.1	102.3	79.8	71.3	37.6	59.4	72.9
Greater Accra	73.6	83	72	79.3	83.3	72.8	72.4	78.1	69.0	77.0	64.4	72.9
Northern	128.7	117	113	101.7	107.9	82.8	99.4	88.6	91.5	71.2	33.2	54.4
Upper East	110.6	96	108	109.1	116.1	100.8	120.9	88.1	70.0	69.2	63.6	57.1
Upper West	110.0	88	106	98.5	95.6	94.5	106.2	86.5	84.4	71.8	56.7	63.6
Volta	91.4	89	88	82.3	80.5	84.6	83.6	73.5	66.1	66.5	47.5	62.2
Western	103.8	98	100	101.0	104.4	108.9	102.6	97.7	86.0	84.9	76.5	72.3
National	99.6	97	92	92.0	95.6	90.8	92.0	84.7	77.4	63.6	58.18	63.5

Source: Expanded Programme on Immunisation

REGION	8.5 Tetanus Toxioids Immunisation Coverage Rate, 1999-2006							
	2006	2005	2004	2003	2002	2001	2000	1999
Ashanti	68.3	64	58.8	101.3	92.2	77.3	69.2	57.2
Brong Ahafo	88.9	89	74.1	93.5	91.2	82.0	81.1	70.0
Central	78.7	88	82.3	96.0	98.6	84.2	91.4	70.6
Eastern	68.1	66	70.4	98.3	96.9	71.3	58.0	37.5
Greater Accra	56.8	60	50.0	110.6	119.9	53.7	51.2	54.2
Northern	78.5	96	86.2	108.8	98.3	70.2	75.7	61.9
Upper East	78.3	72	66.4	138.7	139.7	88.6	91.1	59.3
Upper West	52.3	43	80.9	118.6	124.0	75.6	92.5	67.0
Volta	59.7	68	76.5	104.6	103.5	72.6	77.5	59.8
Western	57.1	55	61.4	79.4	96.5	73.4	73.3	56.1
National	68.2	68	67.4	101.3	101.4	72.9	71.3	57.7

Source: Expanded Programme on Immunisation

REGION	8.6 Yellow Fever Immunisation Coverage Rate, 1999-2006							
	2006	2005	2004	2003	2002	2001	2000	1999
Ashanti	72.9	74	66	68.5	68.5	80.7	59.1	57
Brong Ahafo	98.4	93	81	72.9	71.8	86.2	95.4	68
Central	86.6	78	81	72.9	74.7	77.0	71.3	62
Eastern	90.8	91	83	85.7	81.7	81.3	84.4	57
Greater Accra	64.4	66	63	60.4	63.4	81.0	60.5	60
Northern	110.0	101	88	73.9	69.8	78.1	72.2	96
Upper East	92.6	88	88	69.5	85.2	63.1	84.0	73
Upper West	96.2	84	93	89.3	85.1	80.0	79.9	64
Volta	71.6	69	70	64.8	57.7	71.9	71.6	49
Western	93.6	78	86	84.9	74.1	75.0	70.5	68
National	84.0	80	76	72.4	71.0	78.6	71.6	64

Source: Expanded Programme on Immunisation

REGION	8.7 AFP Non-Polio Rate 2001-2006					
	2006	2005	2004	2003	2002	2001
Ashanti	1.24	1.3	1.9	1.3	0.8	3.2
Brong Ahafo	2.11	1.7	1.9	1.4	1.6	3.8
Central	1.29	1.9	1.0	1.0	1.3	2.7
Eastern	1.79	1.6	1.1	1.8	2.1	1.9
Greater Accra	0.69	0.7	1.0	1.6	2.6	2.3
Northern	1.33	1.6	1.9	0.9	1.7	3.8
Upper East	3.50	1.8	1.7	0.7	5.4	2.7
Upper West	2.40	2.0	2.0	2.3	2.7	2.2
Volta	2.27	2.1	1.2	2.2	3.1	3.8
Western	2.89	2.6	1.7	1.1	1.9	2.3
National	1.70	1.6	1.5	1.4	1.9	2.3

Source: Expanded Programme on Immunisation

9.0 Reproductive Health Services

REGION	9.1 ANTE NATAL COVERAGE							9.2 SUPERVISED DELIVERY						
	2006	2005	2004	2003	2002	2001	2000	2006	2005	2004	2003	2002	2001	2000
Ashanti	74.0	76.6	79.0	83.6	81.3	86.9	90.0	40.8	54.3	56.2	56.2	55.7	54.1	56.6
Brong Ahafo	97.4	90.0	90.0	97.1	99.7	99.9	96.3	47.4	62.0	57.8	56.0	58.2	55.5	62.6
Central	103.8	103.6	107.7	102.8	103.0	97.9	101.7	74.0	77.1	76.3	67.1	66.6	36.0	37.3
Eastern	86.0	82.0	81.4	94.6	107.8	118.7	120.7	38.7	58.4	47.2	50.6	55.0	57.1	54.3
Greater Accra	77.2	83.1	77.7	81.0	88.9	85.4	86.5	42.2	48.6	46.2	49.4	54.6	51.0	50.2
Northern	109.0	116.6	110.4	102.7	97.2	98.4	96.2	25.1	57.5	48.2	39.2	41.3	40.8	41.9
Upper East	104.2	95.3	102.0	100.2	98.6	101.0	96.0	38.4	53.5	71.2	44.9	42.5	42.2	42.0
Upper West	90.3	86.1	94.7	88.7	87.5	87.5	93.7	28.8	66.5	71.2	67.4	67.5	64.0	67.7
Volta	87.1	84.1	86.1	86.3	89.4	92.3	90.2	35.4	42.0	39.7	49.0	40.1	40.1	38.5
Western	93.0	90.2	94.7	93.5	96.8	77.0	99.6	34.8	35.8	46.2	47.6	46.6	48.5	49.0
National	88.1	88.7	89.2	91.2	93.7	93.6	96.5	44.5	54.2	53.4	52.1	52.6	49.3	50.2

Source: RCH/PHD-GHS

REGION	9.3 POST NATAL CARE							9.4 FAMILY PLANNING ACCEPTORS						
	2006	2005	2004	2003	2002	2001	2000	2006	2005	2004	2003	2002	2001	2000
Ashanti	51.9	47.1	52.8	58.1	58.6	57.9	30.3	15.3	14.1	13.2	14.0	14.2	11.0	9.9
Brong Ahafo	53.8	57.0	55.0	54.1	54.1	55.9	59.3	42.9	41.0	47.9	34.8	34.4	37.5	15.1
Central	68.5	76.4	70.6	67.0	63.1	53.5	54.8	37.0	32.6	33.6	24.2	22.2	25.0	16.7
Eastern	60.8	62.9	67.1	63.1	59.3	63.0	59.4	35.0	24.7	25.6	32.1	25.8	27.0	10.8
Greater Accra	44.8	47.6	40.9	47.3	51.0	46.5	43.4	20.4	17.7	18.5	25.1	28.8	42.6	22.6
Northern	70.8	73.2	62.9	62.0	51.9	51.7	49.0	17.8	19.4	16.7	14.3	14.1	16.4	9.1
Upper East	60.7	56.9	48.4	50.1	48.2	47.5	49.7	26.7	20.7	20.2	18.7	16.5	17.4	18.5
Upper West	54.3	62.0	94.1	75.8	73.6	70.2	83.8	54.3	53.9	44.6	31.4	33.4	39.9	16.1
Volta	53.9	53.9	45.7	59.1	44.6	45.5	38.0	27.9	25.7	29.9	26.2	20.6	24.7	14.3
Western	35.5	35.5	32.8	36.8	40.6	44.3	39.0	15.2	13.8	23.2	13.8	11.4	13.4	7.4
National	53.7	55.0	53.3	55.7	53.7	52.9	46.3	25.4	22.6	24.3	22.3	21.0	20.3	11.6

Source: RCH/PHD-GHS

9.5 Institutional Maternal Mortality Ratio

Region	2006		2005		2004		2003		2002		2001	
	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	Maternal Deaths	Maternal Mortality Ratio
Ashanti	175	212.2	181	195.9	161	176.4	173	196.1	172	203.4	184	232.1
Brong Ahafo	116	225.8	75	211.4	104	229.6	84	196.2	102	235.1	110	273.1
Central	85	120.6	44	103.9	71	134.5	71	159.3	86	206.5	100	450.5
Eastern	118	227.3	143	288.1	109	267.0	113	262.6	92	198.2	139	292.4
Greater Accra	118	123.6	125	182.4	114	183.0	120	187.7	83	122.8	91	150.7
Northern	91	186.2	70	176.5	66	172.0	77	254.8	49	158.2	59	197.5
Upper East	43	219.9	34	172.3	46	170.9	34	203.5	59	378.3	52	338.9
Upper West	20	118.8	21	122.7	19	107.7	16	99.1	17	106.7	42	283.2
Volta	65	217.4	78	255.6	71	261.9	84	256.2	91	345.6	94	363.2
Western	126	284.3	92	244.0	63	155.4	82	209.5	86	231.9	83	221.4
National	957	187.2	863	196.8	824	186.0	854	204.5	837	204.4	954	255.7

Region	2000		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	Maternal Deaths	Maternal Mortality Ratio
Ashanti	177	220.3	134	232.1	140	219.8	128	209.8	141	279.0	116	302.1
Brong Ahafo	62	139.5	91	273.1	81	213.1	89	217.6	70	208.1	87	263.0
Central	103	446.8	106	450.5	117	655.9	93	493.1	57	290.3	81	424.9
Eastern	108	243.4	121	292.4	78	202.1	101	295.3	85	281.5	109	359.7
Greater Accra	63	110.7	28	150.7	93	204.2	49	109.1	37	90.9	35	92.7
Northern	60	201.0	73	197.5	61	294.6	39	215.7	38	244.4	38	202.8
Upper East	56	371.5	43	338.9	45	406.1	42	420.8	52	522.7	48	482.4
Upper West	30	195.9	22	283.2	14	112.4	33	332.9	13	153.8	13	146.9
Volta	88	361.9	97	363.2	70	364.1	60	289.9	48	253.3	66	323.7
Western	104	283.0	98	221.4	78	249.8	53	182.9	44	149.9	38	130.5
National	851	229.7	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.

10.0 Health Financing

10.1 Proportion of Health Budget by category

Indicator	2006	2005	2004	2003	2002	2001
% GoG budget spent on health			12.9	8.0	11.1	9.1
% GoG recurrent budget spent on health			14.0	12.0	11.0	10.2
Proportion of non-wage recurrent budget spent at district level			43.0	43.0	40.9	48.6
% earmarked Donor funds			45.0	50.0	NA	62.3
% IGF from pre-payment and community insurance schemes			10.0	5.0	NA	3.0
% Recurrent budget from GoG and health fund allocated to private sector, CSOs, NGOs, and other MDA			1.8	1.6	NA	1.2
% Recurrent budget spent on exemptions			6.0	5.0	3.2	3.6

Source: Planning and Budget Unit (PPME/GHS)

NA: Data Not Available

APPENDIX 1

11.1

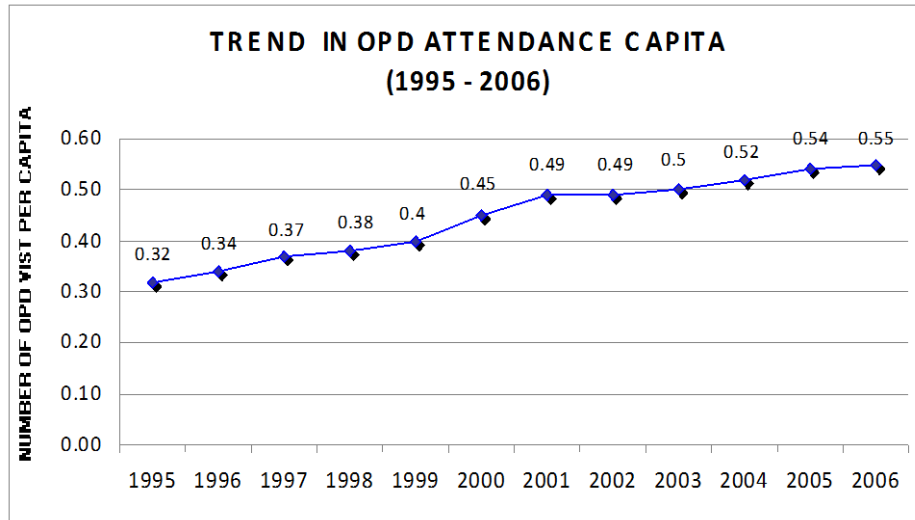


Figure 1

11.2

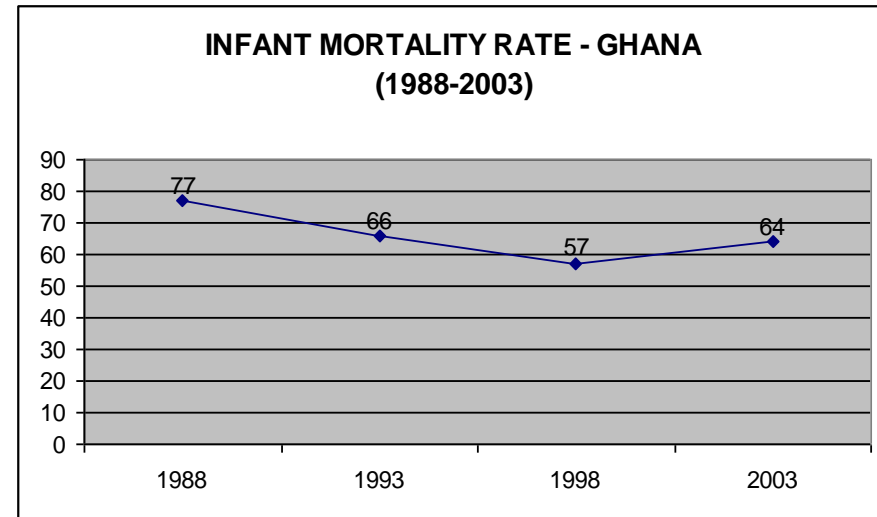


Figure 2

11.3

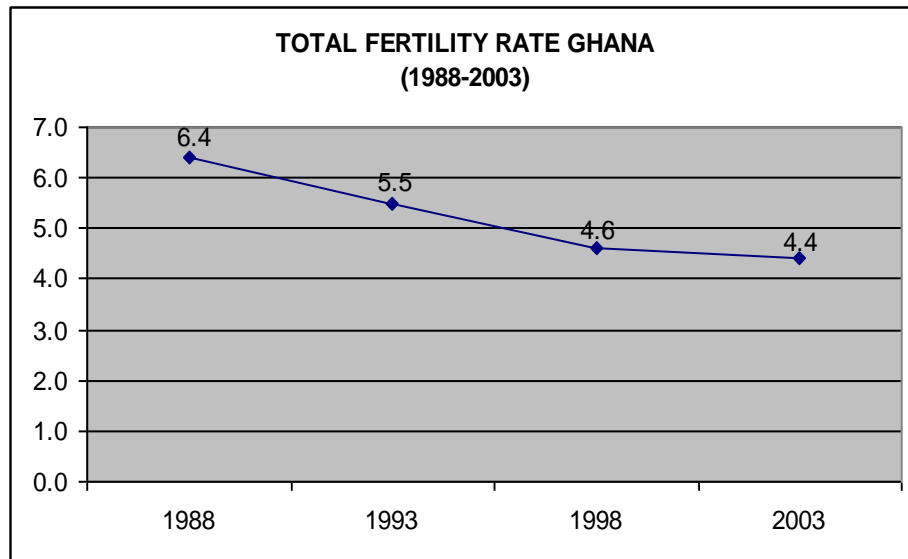


Figure 3

11.4

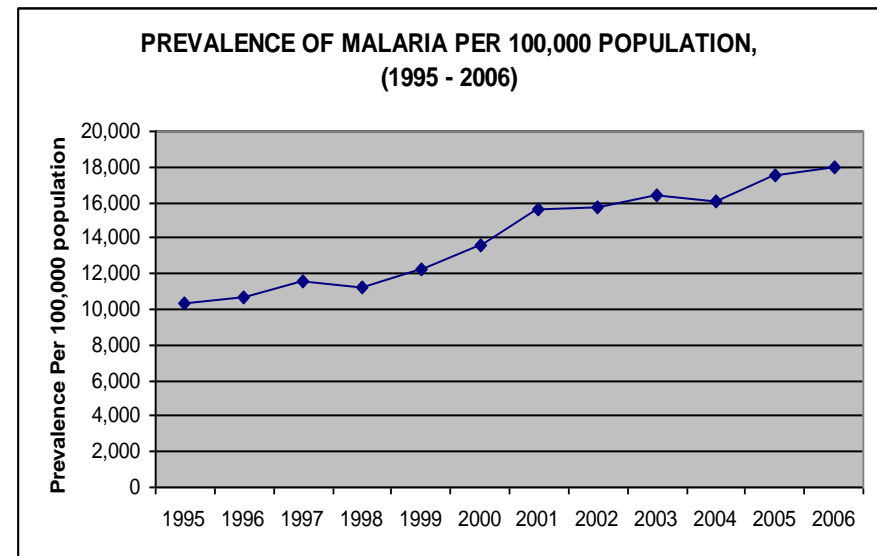


Figure 4

11.5

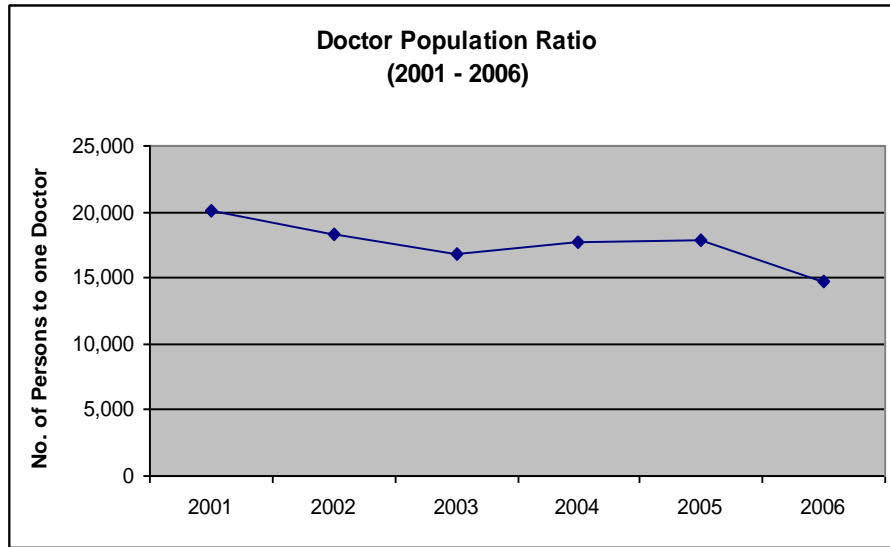


Figure 5

11.6

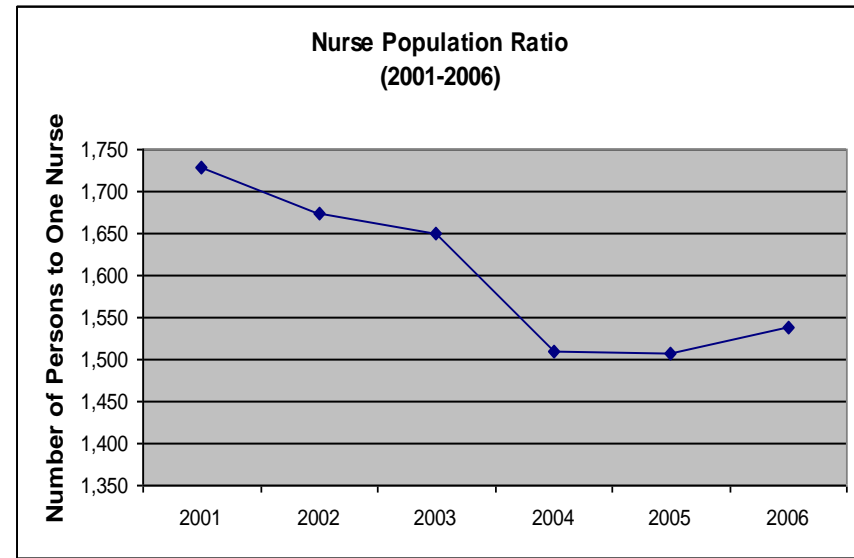


Figure 6

11.7

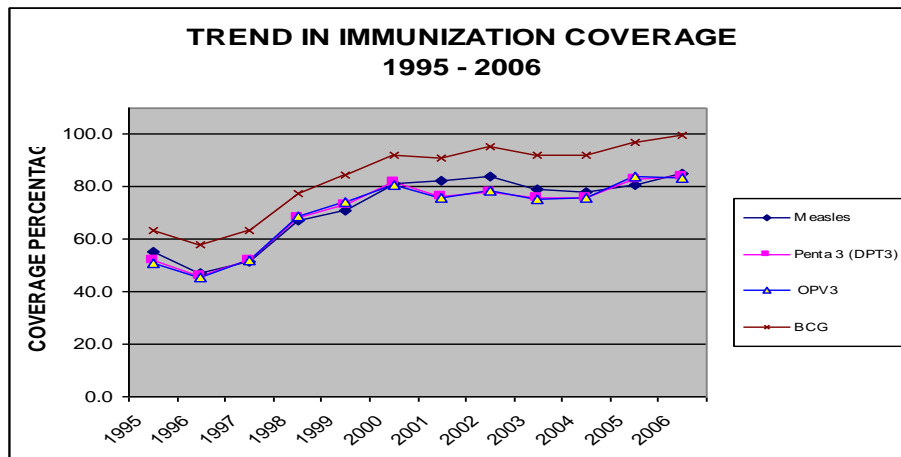


Figure 7

11.8

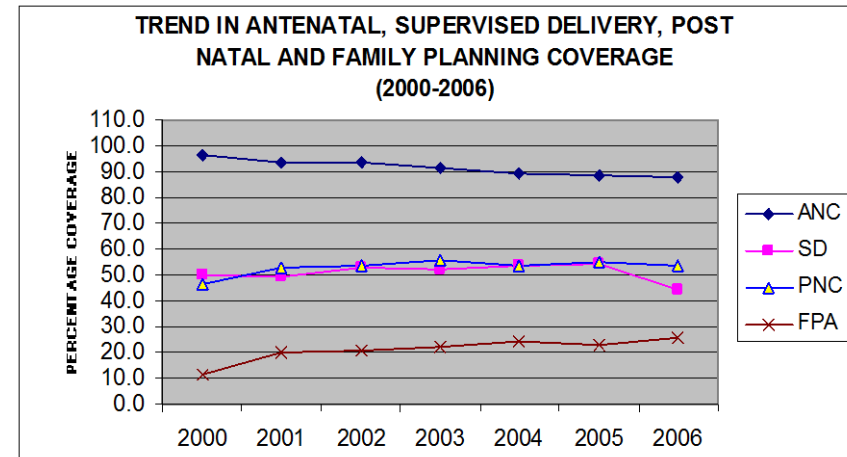


Figure 8

APPENDIX 2

12.0 REPORTED CAUSES OF ADMISSIONS AND DEATHS – 2006

Data on the causes of hospital admissions and deaths were collected from the regional hospitals and district hospitals in all the ten regions excluding the two teaching hospitals and the private health facilities. The total number of admissions data analyzed was 315,998 cases. This represents 42% of the total number of admissions reported in the year.

12.1 Top Ten Causes of Admission All Ages - National

Rank	Cause of Admission	Proportional Morbidity Rate (%)
1	Malaria	32.9
2	Pregnancy and related complications	6.2
3	Anaemia	5.3
4	Diarrhoeal Diseases	4.2
5	Hypertension	3.1
6	Hernia	2.5
7	Gynaecological conditions	2.3
8	Pneumonia	2.0
9	Typhoid fever	1.9
10	Road traffic injuries	1.6
	All other diseases	37.9
	Total	100.0

Source: CHIM/PPME-GHS

12.2 Top Ten Causes of Death All Ages - National

Rank	Cause of Death	Proportional Mortality Rate (%)
1	Malaria	13.4
2	HIV/AIDS related conditions	7.4
3	Anaemia	7.3
4	Cerebro Vascular Accidents	6.4
5	Pneumonia	6.2
6	Septicaemia	5.1
7	Hypertension	4.1
8	Cardiac diseases	4.0
9	Meningitis	2.3
10	Diarrhoeal diseases	2.3
	All other causes	41.5
	Total	100.0

Source: CHIM/PPME-GHS

12.3 Top Ten Causes of Admission for Children Under 5 Years - National

Rank	Cause of Admission	Proportional Morbidity Rate (%)
1	Malaria	58.1
2	Anaemia	12.8
3	Diarrhoeal diseases	5.1
4	Pneumonia	3.3
5	Malnutrition	1.1
6	Septicaemia	0.8
7	Thypoid fever	0.8
8	Upper respiratory tract infections	0.6
9	HIV/AIDS related conditions	0.5
10	Injuries	0.4
	All other diseases	16.4
	Total	100.0

Source: CHIM/PPME-GHS

12.4 Top Ten Causes of Deaths for Children Under 5 Years - National

Rank	Cause of Death	Proportional Mortality Rate (%)
1	Malaria	20.2
2	Anaemia	6.3
3	HIV/AIDS related conditions	5.0
4	Pneumonia	4.9
5	Septicaemia	3.3
6	Diarrhoeal diseases	2.6
7	Malnutrition	1.8
8	Cerebro Vascular Accident	0.9
9	Cardiac diseases	0.7
10	Meningitis	0.7
	All other causes	53.5
	Total	100.0

Source: CHIM/PPME-GHS

13.0 International and National Health Days

Theme	Date
World Leprosy Day	1 st January
Ghana Health Service Awareness Month	March
World Tuberculosis Day	24 th March
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
World Sight Day	
Mental Health Week	10 th October
AIDS Awareness Month (Ghana)	November
World Diabetic Day	14 th November
World AIDS Day	1 st December