

THE HEALTH SECTOR IN GHANA

FACTS AND FIGURES

2014

FOREWORD

At the National, Regional and Local level, the Ghana Health Service is ultimately responsible for the provision of preventive and curative health care intervention to the citizens of Ghana.

The framework of implementation of these health programmes involves planning, monitoring and evaluation, and performance assessment. Performance assessment enables healthcare professions to make recommendations on improvement of health intervention strategies.

To fulfill this mandate of monitoring service performance *The Health Sector in Ghana: Facts and Figures, 2014* which is an update of the previous year's document was developed.

The data provided is a summary of service utilization and population-based data. It was put together by the Centre for Health Information Management (CHIM). CHIM is the unit responsible for the collection, analysis, reporting and presentation of health service data in the health sector in Ghana. CHIM is a unit under Policy, Planning, Monitoring and Evaluation division of the Ghana Health Service

The Ghana Health Service acknowledges the invaluable contribution of other agencies data in the compilation of this report. Their contributions have been properly acknowledged in the document. It is the hope of the Service that the document will be of immense value to all stakeholders particularly Directors of the Service, the Ministry of Health and its Agencies as well other stakeholders in health.

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List of Acronyms

BMC	Budget Management Centre
CFR	Case Fatality Rate
CHAG	Christian Health Association of Ghana
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

INTRODUCTION

The Health Sector Medium Term Development Plan (HSMTDP), 2014–2017, provides an outline of the health sector response to governments Medium Term Development Policy Framework (2014-2017). It also provides the basis for planning within the health sector in Ghana and defines the sectors contribution to the achievement of national medium term development goals and objectives.

The HSMTDP builds on the general principles of providing affordable primary health care to all people living in Ghana and it is underpinned by the desire to attain Universal Health Coverage for basic health services in Ghana. It also aims to improve the health status of Ghanaians in line with the country's Lower Middle Income Status. In this regard, the plan provides a framework for cost-effective general health systems development, bridging current equity gaps in access to health care services and a reinforcement of the principle of continuum of care. It builds on lessons and experiences of the Ghana Shared Growth and Development Agenda (GSGDA), which had a focus on human development, productivity and employment and attempts to hasten the achievements of the goals of the better Ghana Agenda.

The need for reliable and timely health information for decision making at all levels of the Service cannot be overemphasized. The DHIMS2 database manned by GHS provides the framework for gathering and managing health service data in the country. Though the DHIMS2 has some challenges in terms of scope, further progress has been made in revising and increasing the data elements for more health programmes to be captured in the database.

Though data is readily available online, most managers are unable to access them due to their busy schedules, hence the need for the facts and figures to be generated. It is expected that the document will serve as an easy reference and support managers to make timely and appropriate decisions to improve service delivery.

2014 HEALTH SECTOR OBJECTIVES

The strategic objectives within the Sector Medium Term Development Plan 2014-2017 are to:

- HO 1. Bridge the equity gaps in geographical access to health services.
- HO 2. Ensure sustainable financing for health care delivery and financial protection for the poor.
- HO 3. Improve efficiency in governance and management of the health system.
- HO 4. Improve quality of health services delivery including mental health services.
- HO5. Enhance national capacity for the attainment of the health related MDGs and sustain the gains.
- HO 6. Intensify prevention and control of non-communicable and other communicable diseases.

1.0 Demography and Vital Statistics

1.1 Population Distribution by Region – 2014

NATIONAL TARGET POPULATION BY REGION - 2014				
	Region	Regional Projection	Target Population less than 1 year and expected pregnancy (4%)	Target Population for WIFA (24%)
1	Ashanti	5,317,949	212,718	1,276,308
2	Brong Ahafo	2,531,043	101,242	607,450
3	Central	2,487,856	99,514	597,085
4	Eastern	2,861,405	114,456	686,737
5	Greater Accra	4,530,904	181,236	1,087,417
6	Northern	2,779,835	111,193	667,160
7	Upper East	1,097,691	43,908	263,446
8	Upper West	757,011	30,280	181,683
9	Volta	2,338,151	93,526	561,157
10	Western	2,571,884	102,875	61,7252
	National	27,273,729	1,090,948	6,545,695

Source: GSS 2010 Census (Projection)

1.2 Population Distribution by District, Ashanti Region – 2014

ASHANTI REGION TARGET POPULATION BY DISTRICT - 2014				
	District	District Projection	Target Population less than 1 year and expected pregnancy (4%)	Target Population for WIFA (23.2%)
1	Adansi North	119,134	4,765	28,592
2	Adansi South	128,353	5,134	30,805
3	Afigya-Kwabre	151,449	6,058	36,348
4	Ahafo-Ano North	104,889	4,196	25,173
5	Ahafo-Ano South	135,340	5,414	32,482
6	Amansie Central	100,945	4,038	24,227
7	Amansie West	149,437	5,977	35,865
8	Asante Akim Central	79,549	3,182	19,092
9	Asante Akim North	76,966	3,079	18,472
10	Asante Akim South	130,430	5,217	31,303
11	Asokore-Mampong	339,092	13,564	81,382
12	Atwima-Kwanwoma	100,826	4,033	24,198
13	Atwima-Mponua	132,582	5,303	31,820
14	Atwima-Nwabiagya	165,783	6,631	39,788
15	Bekwai Municipal	131,296	5,252	31,511
16	Bosome-Freho	67,189	2,688	16,125
17	Bosomtvi	104,472	4,179	25,073
18	Ejisу-Juaben	159,929	6,397	38,383

19	Ejura Sekyedumasi	95,055	3,802	22,813
20	Kumasi Metro	1,924,821	76,993	461,957
21	Kwabre East	128,551	5,142	30,852
22	Mampong Municipal	97,953	3,918	23,509
23	Obuasi Municipal	187,605	7,504	45,025
24	Offinso Municipal	85,542	3,422	20,530
25	Offinso North	63,277	2,531	15,186
26	Sekyere-Afram Plains	31,744	1,270	7,619
27	Sekyere Central	79,242	3,170	19,018
28	Sekyere East	69,163	2,767	16,599
29	Sekyere-Kumawu	72,757	2,910	17,462
30	Sekyere South	104,581	4,183	25,099
	Total	531,7949	212,718	1,276,308

Source: GSS 2010 Census (Projection)

1.3 Population Distribution by District, Brong Ahafo Region – 2014

BRONG AHAFO REGION TARGET POPULATION BY DISTRICT - 2014				
	District	District Projection	Target Population less than 1 year and expected pregnancy (4%)	Target Population for WIFA (24%)
1	Asunafo North	136,558	5,462	32,774
2	Asunafo South	104,681	4,187	25,123
3	Asutifi North	58,046	2,322	13,931
4	Asutifi South	57,876	2,315	13,890
5	Atebubu-Amanten	116,026	4,641	27,846
6	Banda	22,213	889	5,331
7	Berekum	141,972	5,679	34,073
8	Dormaa East	55,715	2,229	13,372
9	Dormaa Municipal	122,787	4,911	29,469
10	Dormaa West	52,218	2,089	12,532
11	Jaman North	90,968	3,639	21,832
12	Jaman South	101,471	4,059	24,353
13	Kintampo North	104,572	4,183	25,097
14	Kintampo South	88,713	3,549	21,291
15	Nkoranza North	72,170	2,887	17,321
16	Nkoranza South	110,540	4,422	26,530
17	Pru	141,555	5,662	33,973
18	Sene East	66,273	2,651	15,906
19	Sene West	63,850	2,554	15,324
20	Sunyani Municipal	134,958	5,398	32,390
21	Sunyani West	93,392	3,736	22,414
22	Tain	96,494	3,860	23,159
23	Tano North	87,588	3,504	21,021
24	Tano South	85,569	3,423	20,537

25	Techiman Municipal	161,861	6,474	38,847
26	Techiman North	64,693	2,588	15,526
27	Wenchi Municipal	98,284	3,931	23,588
	Total	2,531,041	101,242	607,450

Source: GSS 2010 Census (Projection)

1.4 Population Distribution by District, Central Region – 2014

CENTRAL REGION TARGET POPULATION BY DISTRICT – 2014				
	District	District Projection	Target Population less than 1 year and expected pregnancy (4%)	Target Population for WIFA (24%)
1	Abura Asebu Kwamankese	132,406	5,296	31,777
2	Agona East	97,080	3,883	23,299
3	Agona West	130,341	5,214	31,282
4	Ajumako-Enyan-Essiam	155,976	6,239	37,434
5	Asikuma-Odoben-Brakwa	127,345	5,094	30,563
6	Assin North	182,297	7,292	43,751
7	Assin South	117,784	4,711	28,268
8	Awutu-Senya	99,132	3,965	23,792
9	Awutu-Senya East	121,542	4,862	29,170
10	Cape Coast	191,961	7,678	46,071
11	Efutu	77,507	3,100	18,602
12	Ekumfi	59,015	2,361	14,164
13	Gomoa East	233,967	9,359	56,152
14	Gomoa West	152,748	6,110	36,660
15	Komenda-Edina-Eguafo-Abirem	163,500	6,540	39,240
16	Mfantsiman	163,079	6,523	39,139
17	Twifo-Hemang Lower Denkyira	62,292	2,492	14,950
18	Twifo-Atti-Mokwa	69,763	2,791	16,743
19	Upper Denkyira East	82,267	3,291	19,744
20	Upper Denkyira West	67,854	2,714	16,285
	Total	2,487,854	99,514	597,085

Source: GSS 2010 Census (Projection)

1.5 Population Distribution by District, Eastern Region – 2014

EASTERN REGION TARGET POPULATION BY DISTRICT – 2014				
	District	District Projection	Target Population less than 1 year and expected pregnancy (4%)	Target Population for WIFA (24%)
1	Afram Plains South	125,687	5,027	30,165
2	Akwapim North	148,314	5,933	35,595
3	Akwapim South	40,752	1,630	9,780

4	Akyemansa	105,815	4,233	25,396
5	Asuogyaman	106,545	4,262	25,571
6	Atiwa	120,211	4,808	28,851
7	Ayensuano	82,835	3,313	19,880
8	Birim Central	157,427	6,297	37,782
9	Birim North	85,747	3,430	20,579
10	Birim South	130,149	5,206	31,236
11	Denkyembour	85,291	3,412	20,470
12	East Akim	182,450	7,298	43,788
13	Fanteakwa	118,029	4,721	28,327
14	Kwaebibirem	123,963	4,959	29,751
15	Kwahu East	83,810	3,352	20,114
16	Kwahu North	111,465	4,459	26,752
17	Kwahu South	75,804	3,032	18,193
18	Kwahu West	101,696	4,068	24,407
19	Lower Manya Krobo	96,982	3,879	23,276
20	New Juaben	199,653	7,986	47,916
21	Nsawam-Adoagyiri	93,455	3,738	22,429
22	Suhum	99,240	3,970	23,818
23	Upper Manya Krobo	78,341	3,134	18,802
24	Upper West Akim	94,597	3,784	22,703
25	West Akim	117,686	4,707	28,245
26	Yilo Krobo	95,461	3,818	22,911
Total		2,861,405	114,456	686,737

Source: GSS 2010 Census (Projection)

1.6 Population Distribution by District, Greater Accra – 2014

GREATER ACCRA TARGET POPULATION BY DISTRICT - 2014				
	District	District Projection	Target Population less than 1 year and expected pregnancy (4%)	Target Population for WIFA (24%)
1	Accra Metro	1,881,358	75,254	4,515,26
2	Ada East	80,980	3,239	19,435
3	Ada West	66,803	2,672	16,033
4	Adentan Municipal	88,374	3,535	21,210
5	Ashaiman Municipal	215,777	8,631	51,786
6	Ga Central Municipal	48,533	1,941	11,648
7	Ga East	166,932	6,677	40,064
8	Ga South	548,721	21,949	131,693
9	Ga West	248,335	9,933	59,600
10	Kpone-Katamanso	124,134	4,965	29,792
11	La-Dade-Kotopon	207,366	8,295	49,768

12	La-Nkwantanang-Madina Municipal	126,464	5,059	30,351
13	Ledzokuku-Krowo	257,537	10,301	61,809
14	Ningo Prampram	79,904	3,196	19,177
15	Shai-Osudoku	58,886	2,355	14,133
16	Tema Metropolis	330,800	13,232	79,392
	Total	4,530,905	181,236	1,087,417

Source: GSS 2010 Census (Projection)

1.7 Population Distribution by District, Northern Region – 2014

NORTHERN REGION TARGET POPULATION BY DISTRICT - 2014				
	District	District Projection	Target Population less than 1 year and expected pregnancy (4%)	Target Population for WIFA (24%)
1	Bole	69,055	2,762	16,573
2	Bunkpurugu-Yunyoo	137,442	5,498	32,986
3	Central Gonja	98,523	3,941	23,646
4	Chereponi	59,862	2,394	14,367
5	East Gonja	151,859	6,074	36,446
6	East Mamprusi	135,669	5,427	32,561
7	Gushiegu	124,737	4,989	29,937
8	Karaga	87,120	3,485	20,909
9	Kpandai	121,998	4,880	29,280
10	Kumbungu	43,605	1,744	10,465
11	Mamprugu-Moaduri	52,575	2,103	12,618
12	Mion	91,185	3,647	21,884
13	Nanumba North	158,736	6,349	38,097
14	Nanumba South	104,787	4,191	25,149
15	North Gonja	48,822	1,953	11,717
16	Saboba	73,666	2,947	17,680
17	Sagnarigu	166,040	6,642	39,850
18	Savelugu-Nanton	156,156	6,246	37,477
19	Sawla-Tuna-Kalba	111,961	4,478	26,871
20	Tamale Metro	250,298	10,012	60,072
21	Tatale-Sanguli	66,567	2,663	15,976
22	Tolon	82,335	3,293	19,760
23	West Gonja	46,169	1,847	11,081
24	West Mamprusi	135,790	5,432	32,590
25	Yendi	132,587	5,303	31,821
26	Zabzugu	72,291	2,892	17,350
	Total	2,779,835	111,193	667,160

Source: GSS 2000 Census (Projection)

1.8 Population Distribution by District, Upper East Region – 2014

UPPER EAST TARGET POPULATION BY DISTRICT - 2014				
	District	District Projection	Target Population less than 1 year and expected pregnancy (4%)	Target Population for WIFA (24%)
1	Bawku Municipal	103,354	4,134	24,805
2	Bawku West	98,630	3,945	23,671
3	Binduri	64,585	2,583	15,500
4	Bolgatanga	137,979	5,519	33,115
5	Bongo	88,677	3,547	21,282
6	Builsa North	59,237	2,369	14,217
7	Builsa South	38,298	1,532	9,192
8	Garu-Tempane	136,356	5,454	32,725
9	Kassena Nankana	115,317	4,613	27,676
10	Kassena Nankana West	74,121	2,965	17,789
11	Nabdam	35,479	1,419	8,515
12	Pusiga	60,496	2,420	14,519
13	Talensi	85,162	3,406	20,439
	Total	1,097,691	43,908	263,446

Source: GSS 2010 Census (Projection)

1.9 Population Distribution by District, Upper West Region – 2014

UPPER WEST TARGET POPULATION BY DISTRICT - 2014				
	District	District Projection	Target Population less than 1 year and expected pregnancy (4%)	Target Population for WIFA (24%)
1	Daffiamma Bussie Issa	35,132	1,405	8,432
2	Jirapa	95,314	3,813	22,875
3	Lambussie-Karni	55,693	2,228	13,366
4	Lawra	59,983	2,399	14,396
5	Nadowli-Kaleo	66,637	2,665	15,993
6	Nandom	48,838	1,954	11,721
7	Sissala East	60,948	2,438	14,628
8	Sissala West	53,449	2,138	12,828
9	Wa East	77,710	3,108	18,650
10	Wa Municipal	115,597	4,624	27,743
11	Wa West	87,709	3,508	21,050
	Total	1,097,691	43,908	263,446

Source: GSS 2010 Census (Projection)

1.10 Population Distribution by District, Volta Region – 2014

VOLTA REGION TARGET POPULATION BY DISTRICT - 2014				
	District	District Projection	Target Population less than 1 year and expected pregnancy (4%)	Target Population for WIFA (24%)
1	Adaklu	33,057	1,322	7,934
2	Afadjato South	104,895	4,196	25,175
3	Agortime-Ziope	38,033	1,521	9,128
4	Akatsi North	36,464	1,459	8,751
5	Akatsi South	105,332	4,213	25,280
6	Biakoye	72,742	2,910	17,458
7	Central Tongu	65,579	2,623	15,739
8	Ho West	104,421	4,177	25,061
9	Ho	195,685	7,827	46,964
10	Hohoe	184,354	7,374	44,245
11	Jasikan	65,325	2,613	15,678
12	Kadjebi	65,459	2,618	15,710
13	Keta	162,943	6,518	39,106
14	Ketu North	110,285	4,411	26,468
15	Ketu South	177,445	7,098	42,587
16	Kpando	59,314	2,373	14,235
17	Krachi East	128,930	5,157	30,943
18	Krachi Nchumuru	80,234	3,209	19,256
19	Krachi West	54,547	2,182	13,091
20	Nkwanta North	71,254	2,850	17,101
21	Nkwanta South	130,115	5,205	31,228
22	North Dayi	44,056	1,762	10,573
23	North Tongu	99,097	3,964	23,783
24	South Dayi	51,505	2,060	12,361
25	South Tongu	97,080	3,883	23,299
	Total	2,338,151	93,526	561,156

Source: GSS 2010 Census (Projection)

1.11 Population Distribution by District, Western Region – 2014

WESTERN REGION TARGET POPULATION BY DISTRICT – 2014				
	District	District Projection	Target Population less than 1 year and expected pregnancy (4%)	Target Population for WIFA (24%)
1	Ahanta West	114,971	4,599	27,593
2	Aowin	127,964	5,119	30,711
3	Bia East	28,547	1,142	6,851
4	Bia West	97,375	3,895	23,370
5	Bibiani-Anhwiaso-Bekwai	133,434	5,337	32,024
6	Bodi	57,183	2,287	13,724
7	Ellembelle	94,714	3,789	22,731
8	Jomoro	162,481	6,499	38,995
9	Juabeso	63,778	2,551	15,307
10	Mpohor	46,461	1,858	11,151
11	Nzema East	65,842	2,634	15,802
12	Prestea-Huni Valley	172,436	6,897	41,385
13	Sefwi Akontombra	89,265	3,571	21,424
14	Sefwi-Wiawso	150,675	6,027	36,162
15	Sekondi-Takoradi	605,673	24,227	145,362
16	Shama	88,723	3,549	21,294
17	Suaman	21,861	874	5,247
18	Tarkwa-Nsuaem	97,935	3,917	23,504
19	Wassa Amanfi Central	74,194	2,968	17,807
20	Wassa Amenfi East	90,359	3,614	21,686
21	Wassa Amenfi West	100,257	4,010	24,062
22	Wassa East	87,756	3,510	21,061
	Total	2,571,881	102,875	617,252

Source: GSS 2010 Census (Projection)

2.0 Vital Statistics

2.1 Health Status Indicators

Indicator	1988	1993	1998	2003	2008	2011*
Infant Mortality Rate (per 1,000 live births)	77	66	57	64	50	53
Under 5 Mortality Rate (per 1,000 live births)	155	119	108	111	80	82
Neonatal Mortality Rate (per 1,000 live births)	44	41	30	43	30	32
Post-Neonatal Mortality Rate (per 1,000 live births)	33	26	27	21	21	21
Child Mortality	84	57	54	50	31	31
Crude Birth Rate (per 1,000)	47	44	39	33	29	
Crude Death Rate (per 1,000)	17	12.5	10	10	9.4	
Life Expectancy at birth (in years)	54	55.7	57	58	60	
Total Fertility Rate	6.4	5.5	4.6	4.4	4.0	4.3

Source: GDHS, 1988, 1993, 1998, 2003, 2008, *MICS 2011

2.2 Total Fertility Rate by Region

Region	1988	1993	1998	2003	2008	2011*
Western	6.1	5.5	4.7	4.5	4.2	4.7
Central	6.6	5.6	4.8	5.0	5.4	4.4
Greater Accra	4.6	3.6	2.7	2.9	2.5	3.2
Volta	6.7	5.4	4.4	4.4	3.8	3.9
Eastern	5.7	5.1	4.4	4.3	3.6	4.8
Ashanti	5.9	5.6	4.5	4.1	3.6	3.9
Brong Ahafo	6.9	5.5	5.4	4.8	4.1	4.6
Northern	6.8	7.4	7.0	7.0	6.8	6.2
Upper East	6.8	6.4	5.0	4.7	4.1	4.9
Upper West	6.8	6.0	6.1	5.5	5.0	4.8
National	6.4	5.5	4.6	4.4	4.0	4.3
Rural	6.6	6.4	5.4	5.6	4.9	5.5
Urban	5.1	4.0	3.0	3.1	3.1	3.3

Source: DHS 1988, 1993, 1998, 2003, 2008, *MICS 2011

2.3 Percentage of Population with no Education

Region	1988	1993		1998		2003		2008		2010*	
	Female	Male	Female								
Western	43.6	17.8	34.1	11.8	29.6	7.3	22.3	6.1	13.9	15.7	25.8
Central	47.6	18.5	35.6	13.4	32.7	9.3	25.2	6.6	16.2	12.9	24.7
Greater Accra	21.9	9.8	19.4	9.4	19.6	5.8	12.4	3.5	7.7	6.5	13.4
Volta	38.0	20.8	34.3	19.3	31.4	7.9	20.7	8.4	22.9	18.5	29.8
Eastern	27.6	16.9	27.1	12.1	22.8	7.9	15.9	2.5	10.7	13.1	21.7
Ashanti	30.0	17.4	33.0	13.2	30.0	9.4	16.8	6.6	9.9	10.9	19.2
Brong Ahafo	42.8	21.7	30.8	20.4	32.6	14.2	27.4	17.1	24.9	22.1	30.7
Northern	81.7	62.0	75.9	63.8	79.7	59.5	78.8	48.4	65.7	49.5	60.2
Upper East	81.7	50.9	66.5	57.4	69.4	48.9	72.4	34.4	49.0	38.5	50.1
Upper West	81.7	56.9	67.9	59.0	68.4	44.9	63.3	30.2	48.1	42.1	52
National	39.7	26.2	38.3	20.6	34.0	17.6	28.2	13.3	21.2	18.7	27.9
Rural	46.4	32.9	46.8	25.5	39.8	25.4	39.5	19.9	30.8		
Urban	26.7	12.2	22.3	10.4	22.4	8.0	16.3	5.6	10.9		

Source: DHS 1988, 1993, 1998, 2003, 2008, *2010 (GSS 2010 Census)

2.4 Infant and Under Five Mortality Rate

Region	Infant Mortality Rate						Under Five Mortality Rate					
	1988	1993	1998	2003	2008	2011*	1988	1993	1998	2003	2008	2011*
Western	76.9	76.3	68.0	66.0	51.0	50.0	151.2	131.8	109.7	109.0	65.0	67.0
Central	138.3	71.6	83.8	50.0	73.0	55.0	208.2	128.0	142.1	90.0	108.0	88.0
Greater Accra	57.7	58.4	41.4	45.0	36.0	37.0	58.4	41.4	45.0	36.0	50.0	56.0
Volta	73.5	77.8	53.8	75.0	37.0	68.0	132.7	116.4	98.0	113.0	50.0	89.0
Eastern	70.1	55.9	50.2	64.0	53.0	38.0	138.1	93.2	89.1	95.0	81.0	61.0
Ashanti	69.8	65.2	41.9	80.0	54.0	43.0	144.2	97.6	78.2	116.0	80.0	86.0
Brong Ahafo	65.0	48.7	77.3	58.0	37.0	66.0	122.6	94.6	128.7	91.0	76.0	104.0
Northern	103.1	113.7	70.1	69.0	70.0	66.0	221.8	237.0	171.3	154.0	137.0	124.0
Upper East	103.1	105.0	81.5	33.0	46.0	58.0	221.8	180.1	155.3	79.0	78.0	98.0
Upper West	103.1	84.5	70.6	105.0	97.0	67.0	221.8	187.7	155.6	208.0	142.0	108.0
National	77	66	57	64	50	53	155	119	108	111	80	82
Rural	86.8	82.2	67.5	70.0	56.0	56.0	162.5	149.2	122.0	118.0	90.0	72.0
Urban	66.9	54.9	42.6	55.0	49.0	46.0	131.1	89.9	76.8	93.0	75.0	94.0

Source: DHS 1988, 1993, 1998, 2003, 2008 *MICS 2011

2.5 Demographic and Socioeconomic Indicators

	Indicator	Ghana Value	Africa Average	Global Average
1	Population density (per sq. km) (2010 pop census)	103.4	N/A	N/A
2	Population age structure (%) (<u>male</u>)	49.0	N/A	N/A
3	Population age structure (%) (<u>female</u>)	51.0	N/A	N/A
4	Median age of population (2010 pop census)	20	N/A	N/A
5	Proportion of population below 15 years (%) (2010 pop census)	39.3	N/A	N/A
6	Proportion of population above 60 years (%) (2010 pop census)	6.5	N/A	N/A
7	Proportion of population living in urban areas (%) (2010)	49.0	N/A	N/A
8	Coverage of birth registration (%) (2011)*	62.5	N/A	N/A
9	^Coverage of death registration (%) (2012)	21.0	N/A	N/A
10	Adult mortality rate (15 - 60 years) per 1,000 population – male 2012	263	343	124
11	Adult mortality rate (15 - 60 years) per 1,000 population – female 2012	227	298	187
12	Adult mortality rate (15 - 60 years) per 1,000 population – both sexes 2012	N/A	N/A	N
13	Life expectancy at birth (<u>male</u>) (2012)	61	56	70
14	Life expectancy at birth (<u>female</u>) (2012)	64	59	68
15	Life expectancy at birth (<u>both sexes</u>) (2012)	62	58	73
16	Net primary school enrolment ratio - <u>male</u> (%) (2011)*	65	N/A	N/A
17	Net primary school enrolment ratio - <u>female</u> (%) (2011)*	71	N/A	N/A
18	Total gross domestic product (2013)§	\$90.41bill	N/A	N/A
19	Gross domestic product per capita (2013)§	\$3,500	N/A	N/A
20	Annual economic growth rate (%) (2013)§	7.9	N/A	N/A
22	Population living on less than 1 US\$ dollar per day (2007)§	28.5	N/A	N/A

NA: Not available Source: World Health Statistics 2013 – WHO;

*Multi indicator cluster survey 2011, ^ Birth and Death Registry report 2012

§The World Fact book: www.cia.gov/library/publications/the-world-factbook/geos/GH

2.6 Health-Related Millennium Development Goals

	Indicator	Ghana Value	Africa Average	Rank in Africa	Global Average
1	Adolescent fertility rate (per 1,000 girls aged 15-19 years)	60			
2	Unmet need for family planning (%) (2012)	36	25		12
3	Prevalence of HIV among adults aged 15 years and above per 100,000 population	1.4	N/A	N/A	N/A
4	Proportion of <u>males</u> aged 15-24 years with comprehensive correct knowledge of HIV/AIDS (%) (2011)	38.6	N/A	N/A	N/A
5	Proportion of <u>females</u> aged 15-24 years with comprehensive correct knowledge of HIV/AIDS (%) (2011)	36.8	N/A	N/A	N/A
6	Antiretroviral therapy coverage among people with advanced HIV infection (%) (2012)	58	63	N/A	61
7	Malaria mortality rate per 100,000 population (2012)	69	63	N/A	11
8	Children aged less than 5 years sleeping under insecticide-treated bed-nets (%) (2012)	38.0	25	N/A	N/A
9	Children aged less than 5 years who received any antimalarial treatment for fever (%) (2012)	53.0	N/A	N/A	N/A
10	Access to improved drinking-water sources (%) (2012)	87.0	66.0	N/A	90.0
11	Access to improved sanitation (%) (2012)	14.0	33.0	N/A	64.0
12	Infants exclusively breastfed for the first 6 months of life (2011)	45.7		N/A	
13	Alcohol consumption among adults aged 15 years and above (liters per person per year) (2010)	4.8	6.0	N/A	6.2
14	Prevalence of tobacco use – <u>male</u> (%) (2011)	14.0	22.0	N/A	36.0
15	Prevalence of tobacco use – <u>female</u> (%) (2011)	7.0	7.0	N/A	8.0

NA: Data Not Available

Source: World Health Statistics 2014 - WHO

2.7 Health Expenditure Indicators

	Indicator	Ghana Value	Africa Average	Global Average
1	Total expenditure on health as % of gross domestic product (2011)	5.3	6.2	15.2
2	General government expenditure on health as % of total expenditure on health (2011)	55.9	48.3	58.8
3	Private expenditure on health as % of total expenditure on health (2011)	44.1	51.7	41.1
4	General government expenditure on health as % of total government expenditure (2011)	12.5	9.7	15.2
5	Out-of-pocket expenditure on health as % of private expenditure on health (2011)	67.5	56.6	49.7
6	Per capita total expenditure on health at average exchange rate (US\$) (2011)	83	99	1,007
7	Per capita government expenditure on health at average exchange rate (US\$) (2011)	46	49	613

Source: World Health Statistics 2014 - WHO

3.0 Health Infrastructure

3.1 Health Facilities by Type and Ownership, 2013

Region	CHPS	Clinic	District Hospital	Health Centre	Hospital	Midwife / Maternity	Mines	Polyclinic	Psychiatric Hospital
Ashanti	70	152	19	141	89	97	0	0	0
Brong Ahafo	186	115	18	83	11	42	0	0	0
Central	169	54	12	64	14	32	0	1	1
Eastern	422	118	14	84	18	24	0	1	0
Greater Accra	81	257	6	20	62	80	0	10	2
Northern	151	49	11	83	15	9	0	5	0
Upper East	189	45	5	44	1	1	0	0	0
Upper West	126	12	3	68	6	2	0	0	0
Volta	158	72	17	146	11	21	0	2	0
Western	181	114	11	59	17	41	3	2	0
National	1733	988	116	792	244	349	3	21	3

3.2 Number of Hospital Beds by Region and Ownership - 2014

Region	Government	CHAG	Islamic	Quasi Government	Private	Total	% By Region
Ashanti	1230	1063	52	131	555	3,031	15.2
Brong Ahafo	895	1303	0	0	186	2,384	12.0
Central	1523	424	0	72	11	2,030	10.2
Eastern	1088	1054	0	134	0	2,276	11.4
Greater Accra	1581	41	0	13	52	1,687	8.5
Northern	1268	414	0	0	0	1,682	8.4
Upper East	679	375	0	0	70	1,124	5.6
Upper West	525	370	0	0	0	895	4.5
Volta	1400	895	0	0	62	2,357	11.8
Western	1499	500	0	228	209	2,436	12.2
Total	11,689	6,441	52	580	1,145	19,907	100
% By Ownership	58.7	32.4	0.3	2.9	5.8	100	

Source: CHIM/PPME-GHS

NB: Data for Quasi Government and Private Hospitals are incomplete

3.3 Distribution of Health Professionals by Region – 2013

STAFF CATEGORY	Ashanti	Brong Ahafo	Central	Eastern	Greater Accra	Northern	Upper East	Upper West	Volta	Western	Grand Total
Accountant	180	65	53	81	239	80	47	24	68	44	881
Accounts Officer	167	134	69	89	295	64	42	31	92	53	1036
Administrative Manager	83	21	5	11	118	35	1	7	9	9	299
Architect					5						5
Artisan/Tradesman	98	67	87	77	112	61	31	38	115	58	744
Audiologist					2						2
Audit Officer	1		6								7
Auditor	11	9	2	9	17	7	1	2	6	5	69
Biomedical Scientist	130	48	38	59	196	64	29	18	31	36	649
Biostatistics Assistant	170	76	117	88	220	74	41	31	124	158	1099
Biostatistics Officer	31	13	4	4	15	4	1	2	7	4	85
Blood Bleeder	2		1		1				2		6
Blood Donor Organiser	4	2	2	2	10	8	2	1	2	3	36
Caretaker	1	1				3			1		6
Catering Officer	9	10	12	10	29	13	3	3	11	6	106
Chief Executive Officer	1				1						2
Clinical Engineering Manager	7		2	2	10	4		1	1	2	29
Clinical Psychologist			3		3						6
Community Health Nurse	1710	1172	1076	1576	1788	832	911	558	1225	1437	12285
Consultant	7			1	13	4		1	1		27
Cook	92	61	96	62	199	86	44	34	76	76	826
Dental Clinic Assistant	17	7	10	14	32	6	4	2	8	7	107
Dental Technician										1	1
Dental Technologist	2				2	1					5
Dental Therapist	1			1							2
Deputy Director	5	5	1		28	6	2	2	3	3	55
Diet Cook	1		2	2							5

STAFF CATEGORY	Ashanti	Brong Ahafo	Central	Eastern	Greater Accra	Northern	Upper East	Upper West	Volta	Western	Grand Total
Dietician	1		1	1	10	1					14
Director	3	2	1	1	20	3	1	1	1	1	34
Director (Nursing)	1				2						3
Director (Pharmacy)	2				3	1					6
Dispensing Assistant	84	43	29	70	64	26	10	6	88	31	451
District Director	17	7	12	14	6	16	6	7	4	8	97
Driver	145	103	101	124	222	116	69	62	109	92	1143
Emergency Medical Technician	1				456						457
Enrolled Nurse	1732	549	850	776	1237	1266	495	357	523	1012	8797
Entomologist		1	1	1		1					4
Environmental Health Assistant	2	4	4	4	6	4	2	7	3		36
Environmental Health Officer			5		3					2	10
Environmental Health Technologist			1		2	1					4
Estate Manager	1	2			2						5
Estate Officer	14	9	11	14	17	15	5	3	10	9	107
Executive Officer	80	41	37	39	68	83	18	11	59	23	459
Field Technician	133	143	89	128	70	105	57	78	62	86	951
Finance Officer	87	42	30	46	69	86	39	27	55	50	531
Health Assistant	1216	749	698	374	575	264	129	125	452	372	4954
Health Education Officer	1		1		2			1			5
Health Educator	10	9	4	4	25	3	2	1	4	4	66
Health Intern	1510	939	808	516	861	427	423	189	430	367	6470
Health Planner			2	2	13	3	1				21
Health Research Officer	2	11	1	3	15	10	13	2	1		58
Health Service Administrator	49	16	19	31	46	21	8	8	23	15	236
Health Tutor	56	66	27	27	66	44	23	22	36	26	393

STAFF CATEGORY	Ashanti	Brong Ahafo	Central	Eastern	Greater Accra	Northern	Upper East	Upper West	Volta	Western	Grand Total
Hospitality Manager					4	1					5
Housekeeper	5	12	16	7	26	15	5	1	11	9	107
Human Resource Manager	16	7	4	3	33	8	2	2	5	1	81
IT Manager	1	1			1						3
Kitchen Assistant		6	7	1	1	7	2	8			32
Laboratory Assistant	86	35	38	30	63	32	26	14	44	21	389
Laboratory Technologist		1									1
Labourer	69	96	96	115	109	131	64	34	86	110	910
Launderer	55	33	52	29	71	20	12	4	62	34	372
Librarian	1										1
Lift Operator	4			1	17	2				1	25
Mechanical Engineer	3			1	1	1					6
Medical Director		1			3		1			1	6
Medical Officer	272	95	61	93	372	61	20	7	56	48	1085
Medical Officer - House Officer	33	10	3	4	719	30	1		2	2	804
Medical Superintendent	15	3	8	10	9	6	3	1	6	10	71
Medical/Physician Assistant	293	136	107	175	236	119	96	47	94	102	1405
Messenger	7	3	2		2		1				15
Midwives	855	382	298	479	880	273	232	120	342	324	4185
Mortuary Attendant	13	18	23	21	32	9	5	1	29	14	165
Nutrition Officer	19	17	10	13	25	25	22	9	10	7	157
Occupational Therapist		1	2							1	4
Occupational Therapist Assistant	1	2	2	3	16						24
Optician	2		2	5	5		1				15

Source: HRD-GHS

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

3.4 Doctor to Population Ratio

REGION	2013		2012		2011		2010	
	Number of Doctors	Doctor Population Ratio						
Ashanti	558	9,280	519	9,715	630	7,793	684	7,184
Brong Ahafo	148	16,695	154	15,705	154	15,352	99	22,967
Central	111	21,700	104	22,505	107	21,216	113	18,218
Eastern	159	17,582	139	19,748	166	16,195	163	15,801
Greater Accra	1356	3,240	1209	3,526	1085	3,810	935	4,099
Northern	131	20,685	137	19,163	117	21,801	134	18,257
Upper East	40	27,391	27	39,697	27	39,226	33	31,214
Upper West	19	38,692	18	40,502	18	39,747	25	27,050
Volta	111	20,625	90	24,728	91	23,859	64	32,605
Western	97	26,048	89	27,775	91	26,632	75	31,190
National	2,730	9,749	2486	9,327	2,477	10,209	2,325	10,423

REGION	2009		2008		2007	
	Number of Doctors	Doctor Population Ratio	Number of Doctors	Doctor Population Ratio	Number of Doctors	Doctor Population Ratio
Ashanti	589	8,288	495	9,861	428	10,667
Brong Ahafo	134	16,919	103	22,012	96	22,479
Central	84	22,877	72	26,689	63	29,260
Eastern	148	16,132	134	17,817	128	18,141
Greater Accra	839	5,103	827	5,177	755	5,202
Northern	46	50,751	33	70,744	24	92,046
Upper East	29	35,010	30	33,843	30	33,111
Upper West	14	47,932	15	44,736	15	43,253
Volta	73	26,538	68	28,490	66	28,269
Western	77	33,187	78	32,761	71	33,794
National	2,033	11,929	1855	13,074	1676	13,683

Source: CHIM/HRD-GHS

3.5 Nurse to Population Ratio

REGION	2013		2012		2011	
	Number of Nurses	Nurse Population Ratio	Number of Nurses	Nurse Population Ratio	Number of Nurses	Nurse Population Ratio
Ashanti	2,308	2,244	2,096	1,550	1,789	1,568
Brong Ahafo	815	1,072	720	1,470	672	1,495
Central	960	1,046	858	1,250	713	1,309
Eastern	1,117	1,214	1,019	1,237	921	1,173
Greater Accra	3,508	1,904	3,336	917	2,941	1,255
Northern	1,067	1,170	900	1,601	785	1,547
Upper East	604	470	505	930	424	914
Upper West	311	322	288	941	259	950
Volta	785	988	712	1,244	659	1,242
Western	770	1,092	691	1,422	614	895
National	12,245	2,172	11,125	1,251	9,777	1,240

REGION	2010		2009		2008		2007	
	Number of Nurses	Nurse Population Ratio						
Ashanti	4,252	1,156	4,161	1,173	3,533	1,382	2,251	2,024
Brong Ahafo	1,826	1,245	2,283	993	1,940	1,169	1,099	1,099
Central	1,715	1,200	2,369	881	2,104	913	1,249	1,476
Eastern	2,703	953	2,871	832	2,454	973	1,977	1,173
Greater Accra	4,793	800	4,897	874	4,656	919	4,011	979
Northern	1,716	1,426	1,708	1,367	1,480	1,577	1,131	1,868
Upper East	1,112	926	1,262	805	1,051	966	798	1,243
Upper West	803	842	895	750	758	885	537	1,266
Volta	1,914	1,090	2,421	800	2,132	909	1,474	1,266
Western	1,673	1,398	2,107	1,213	1,753	1,458	1,197	1,993
National	22,507	1,077	24,974	971	21,861	1,109	15,724	1,454

Source: CHIM/HRD-GHS

3.6 Hospital Bed Utilisation Statistics

Region	Percentage Occupancy							Average Length of Stay						
	2013	2012	2011	2010	2009	2008	2007	2013	2012	2011	2010	2009	2008	2007
Ashanti	78.1	53.5	50.4	69.4	65.5	63.3	65.1	2.7	2.8	2.6	3.9	4.0	4.2	4.8
Brong Ahafo	74.3	55.4	63.5	62.2	57.9	60.5	66.5	3.2	3.5	3.6	3.8	3.5	3.9	3.9
Central	43.3	66.5	56.4	50.5	51.4	52.5	49.9	3.6	4.6	4.5	3.6	3.5	4.0	4.1
Eastern	56.7	56.7	59.6	57.4	55.9	55.6	54.3	3.7	3.7	4.1	4.2	4.2	4.4	5.0
Greater Accra	63.1	116.6	87.7	86.1	78.3	72.0	68.5	4.2	5.6	4.7	6.4	6.0	6.4	6.4
Northern	70.2	82.2	82.2	71	59.1	61.3	55.1	2.5	2.8	2.9	3	2.2	2.7	3.0
Upper East	58.3	64.0	60.1	52.5	49.7	42.2	45.9	2.8	2.8	2.7	2.7	2.8	2.9	3.0
Upper West	68.5	79.6	72.6	66.1	62.1	59.4	53.5	3.3	2.8	3.2	3.5	3.5	3.4	3.7
Volta	52.4	66.5	61.0	52.9	54.1	51.1	50.6	3.9	4.1	4.2	4.2	4.5	4.9	5.7
Western	58.4	48.3	56.9	53.8	52.0	51.5	48.7	3.0	2.8	3.2	3.3	3.3	3.7	3.9
National	61.5	64.5	51.4	63.2	59.8	58.3	57.4	3.2	3.5	3.6	3.9	3.8	4.2	4.5

Region	Turnover Per Bed							Turnover Interval						
	2013	2012	2011	2010	2009	2008	2007	2013	2012	2011	2010	2009	2008	2007
Ashanti	104.1	70.6	71.3	64.6	59.7	54.7	49.9	0.8	2.4	2.5	1.7	2.1	2.5	2.5
Brong Ahafo	85.6	57.4	65	60.5	59.8	56.6	61.6	1.1	2.8	2.0	2.3	2.6	2.6	2.0
Central	44.4	53.0	48.1	51	54.2	47.9	44.6	4.7	2.3	2.9	3.5	3.3	3.6	4.1
Eastern	56.3	56.3	52.9	49.7	49.0	46.1	39.7	2.8	2.8	2.8	3.1	3.3	3.5	4.2
Greater Accra	54.7	76.4	68	49.5	47.3	41.4	39.0	2.5	-0.8	0.7	1	1.7	2.5	2.9
Northern	101.9	106.0	100	87.8	98.2	81.6	66.1	1.1	0.6	0.6	1.2	1.5	1.7	2.5
Upper East	76.5	82.3	80.0	72	65.0	52.8	55.2	2.0	1.6	1.8	2.4	2.8	4.0	3.6
Upper West	75.9	102.4	83.1	68.9	64.0	63.2	52.1	1.5	0.7	1.2	1.8	2.2	2.4	3.3
Volta	49.1	60.0	52.9	46.3	44.1	38.4	32.5	3.5	2.0	2.6	3.7	3.8	4.7	5.6
Western	71.8	62.7	65.4	60.3	57.0	50.6	45.7	2.1	3.0	2.4	2.8	3.1	3.5	4.1
National	70.1	68.0	68.7	58.8	57.1	51.1	46.5	2.0	1.9	2.0	2.3	2.6	3.0	3.3

Source: CHIM/PPME-GHS

4.0 Health Service Outputs

4.1 Number of Outpatient Attendance by Region

Region	2013	2012	2011	2010	2009	2008
Ashanti	4,660,325	4,846,942	5,773,869	4,728,463	4,323,256	3,427,329
Brong Ahafo	4,206,031	3,933,372	3,504,469	3,329,194	2,612,168	2,869,659
Central	2,413,049	2,338,360	1,802,886	1,259,663	1,370,625	1,281,602
Eastern	3,643,316	3,771,103	3,166,197	2,668,644	2,272,375	2,279,528
Greater Accra	3,515,736	4,040,356	2,651,707	3,731,034	2,179,283	2,105,980
Northern	1,891,044	1,845,607	1,589,509	1,385,832	1,245,261	1,113,699
Upper East	2,277,818	2,129,019	1,459,504	1,516,610	1,387,025	1,018,813
Upper West	891,475	814,406	758,084	598,533	484,513	459,309
Volta	2,509,238	2,240,690	1,883,185	1,515,544	1,335,027	1,378,484
Western	3,530,033	3,550,476	3,271,384	2,650,328	2,538,306	2,140,855
National	30,849,253	29,510,331	25,860,794	23,383,845	19,747,839	18,075,258

Region	2007	2006	2005	2004	2003	2002	2001
Ashanti	3,272,767	1,912,396	1,502,660	1,350,769	1,248,955	2,226,059	1,845,741
Brong Ahafo	2,193,079	900,881	875,734	860,430	824,193	1,190,139	1,169,682
Central	1,293,818	1,477,204	1,278,852	1,186,311	1,057,649	734,932	658,715
Eastern	2,186,024	1,785,471	1,828,929	1,779,887	1,621,972	984,570	962,951
Greater Accra	2,352,191	652,054	681,667	638,455	526,678	1,639,943	1,611,198
Northern	685,085	538,202	561,182	565,659	561,455	536,880	623,417
Upper East	689,124	290,449	339,923	307,946	289,252	604,645	481,298
Upper West	420,775	745,979	750,000	735,727	664,788	294,325	286,333
Volta	958,330	1,324,909	1,114,579	1,128,674	964,450	610,526	636,209
Western	1,724,606	2,613,618	2,711,662	2,517,396	2,459,629	931,615	924,005
National	15,775,799	12,241,163	11,650,188	11,071,254	10,219,021	9,753,634	9,199,549

Source: CHIM/PPME-GHS

4.2 Outpatient Attendance per Capita

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

Region	2013	2012	2011	2010	2009	2008	2007	2006	2005	2004	2003	2002	2001
Ashanti	0.9	0.96	1.1	1.04	0.89	0.73	0.72	0.59	0.63	0.61	0.62	0.58	0.56
Brong Ahafo	1.7	1.63	1.4	1.25	1.15	1.30	1.02	0.91	0.73	0.67	0.64	0.62	0.62
Central	1.0	1.00	0.97	0.81	0.71	0.68	0.70	0.50	0.50	0.50	0.49	0.44	0.41
Eastern	1.3	1.38	1.1	1.04	0.95	0.97	0.94	0.65	0.57	0.53	0.48	0.45	0.45
Greater Accra	0.8	0.95	0.67	0.97	0.51	0.51	0.60	0.47	0.51	0.52	0.49	0.52	0.53
Northern	0.7	0.70	0.74	0.54	0.53	0.49	0.31	0.30	0.33	0.31	0.27	0.28	0.33
Upper East	2.1	1.99	1.7	1.47	1.37	1.01	0.69	0.55	0.58	0.59	0.59	0.64	0.52
Upper West	1.2	1.12	1.4	0.91	0.72	0.70	0.65	0.46	0.54	0.50	0.48	0.49	0.49
Volta	1.1	1.01	0.74	0.76	0.69	0.73	0.51	0.41	0.42	0.42	0.38	0.36	0.39
Western	1.4	1.44	1.1	1.16	0.69	0.86	0.72	0.57	0.49	0.52	0.46	0.45	0.49
National	1.16	1.14	1.0	0.98	0.81	0.77	0.69	0.55	0.54	0.52	0.50	0.49	0.49

Source: CHIM/PPME-GHS

4.3 Number of Inpatient Admissions by Region

Region	2013	2012	2011	2010	2009	2008
Ashanti	256,377	234,092	206,415	225,629	207,089	145,316
Brong Ahafo	172,945	165,801	135,478	123,187	111,521	104,976
Central	105,719	103,453	83,030	79,562	77,620	60,658
Eastern	170,622	172,819	149,163	139,159	127,050	121,985
Greater Accra	122,761	119,432	99,734	132,975	112,314	79,974
Northern	190,010	186,069	155,020	118,499	116,818	66,146
Upper East	81,779	87,349	71,825	66,538	56,324	48,507
Upper West	62,225	62,690	58,106	51,605	44,287	42,061
Volta	143,582	125,588	112,866	101,653	93,829	83,093
Western	153,435	149,276	132,651	121,263	115,246	94,037
National	1,459,455	1,406,569	1,204,288	1,160,070	1,062,098	846,753

Region	2007	2006	2005	2004	2003	2002	2001
Ashanti	163,357	147,223	158,436	153,891	150,209	133,495	107,029
Brong Ahafo	83,034	81,607	77,798	67,931	67,009	62,531	65,211
Central	96,404	67,628	63,932	59,611	55,820	54,871	52,999
Eastern	99,555	91,578	100,222	82,859	99,469	90,329	87,163
Greater Accra	136,823	92,890	98,561	81,874	76,606	88,299	91,009
Northern	69,185	60,547	67,063	72,368	74,733	69,801	67,323
Upper East	57,428	41,166	42,971	41,695	39,164	38,910	35,382
Upper West	36,721	29,716	36,047	32,157	30,656	31,846	28,580
Volta	70,162	69,919	70,000	68,144	66,241	63,844	57,081
Western	88,332	85,446	85,407	84,908	78,984	71,949	67,737
National	901,001	767,720	800,437	745,438	738,891	705,875	659,514

Source: CHIM/PPME-GHS

4.4 Hospital Admission Rate

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

Region	2013	2012	2011	2010	2009	2008
Ashanti	49.51	46.43	40.9	45.92	33.16	30.78
Brong Ahafo	69.90	68.56	56.0	54.18	49.29	47.46
Central	43.81	44.20	35.5	38.65	38.81	32.23
Eastern	60.88	62.96	54.3	54.03	36.36	51.81
Greater Accra	27.93	28.02	23.4	34.69	17.97	19.50
Northern	70.34	70.87	59.0	48.44	49.24	29.13
Upper East	75.39	81.50	67.0	64.6	56.22	48.30
Upper West	83.76	85.99	79.7	76.31	67.03	63.75
Volta	62.94	56.43	50.7	48.71	51.28	43.71
Western	60.85	60.39	53.7	51.84	45.71	37.98
National	54.88	54.24	46.4	47.87	38.96	35.91

Region	2007	2006	2005	2004	2003	2002	2001
Ashanti	35.78	33.3	37.1	37.3	37.6	34.6	28.7
Brong Ahafo	38.48	38.8	37.9	33.9	34.3	32.8	35.0
Central	52.30	37.5	36.2	34.4	32.9	33.0	32.9
Eastern	42.87	40.0	44.4	37.2	45.3	41.7	40.8
Greater Accra	34.83	25.0	27.3	23.7	23.2	27.9	30.0
Northern	31.32	28.2	32.1	35.6	37.8	36.3	35.3
Upper East	57.81	41.9	44.2	43.4	41.2	41.4	38.2
Upper West	56.60	46.6	57.5	52.1	50.6	53.4	49.0
Volta	37.61	38.2	39.0	38.7	38.3	37.6	34.8
Western	36.82	37.0	37.9	38.9	37.3	35.1	35.7
National	39.29	34.4	36.9	35.3	36.0	35.3	34.9

Source: CHIM/PPME-GHS

4.5 Case Fatality Rate for Malaria

Region	2013		2012		2011		2010	
	Under 5	All Ages						
Ashanti	0.42	0.37	0.35	0.39	0.39	0.37	0.76	0.59
Brong Ahafo	0.46	0.50	0.77	0.97	1.13	1.25	1.59	1.38
Central	0.86	1.72	0.98	1.89	1.84	3.04	1.81	2.81
Eastern	0.43	0.45	0.38	0.46	0.50	0.47	0.76	0.76
Greater Accra	0.92	0.93	0.66	0.91	0.94	1.13	3.06	2.33
Northern	1.11	0.93	1.19	1.01	1.74	1.54	2.41	2.03
Upper East	0.69	0.87	0.70	1.00	0.95	1.23	1.40	1.61
Upper West	0.76	1.12	0.70	1.42	1.16	1.56	1.02	1.25
Volta	0.70	0.88	0.95	1.26	0.15	0.40	1.56	1.78
Western	0.58	0.55	0.78	0.77	0.83	0.82	1.36	1.21
National	0.69	0.74	0.78	0.92	1.04	1.11	1.47	1.41

Region	2009		2008		2007		2006		2005		2004	
	Under 5	All Ages										
Ashanti	0.6	0.5	0.7	0.5	3.0	1.5	1.7	1.2	2.2	1.3	2.2	1.4
Brong Ahafo	1.3	1.1	1.4	1.1	1.6	1.5	1.9	4.5	1.8	1.6	1.9	1.8
Central	2.9	3.2	3.0	3.4	3.9	3.9	4.2	4.0	4.5	4.1	3.2	3.1
Eastern	0.8	0.8	1.0	0.8	1.5	1.3	1.5	1.5	1.5	1.2	3.6	3.3
Greater Accra	1.0	1.2	1.2	1.5	1.5	4.0	1.0	2.3	1.2	2.0	2.1	2.2
Northern	3.0	2.6	3.3	2.6	2.8	2.1	5.1	4.1	3.1	2.6	2.5	2.1
Upper East	1.6	1.8	2.0	1.9	2.1	1.9	2.6	2.4	2.5	2.2	2.7	2.3
Upper West	1.6	1.8	0.8	1.1	1.3	1.4	3.0	2.0	3.0	2.5	2.3	2.0
Volta	1.9	2.3	2.1	2.9	3.0	2.7	3.1	3.0	4.8	4.4	3.1	3.3
Western	1.8	1.5	2.1	1.9	3.0	2.7	2.7	2.3	3.4	2.9	3.1	2.8
National	1.7	1.6	1.6	1.4	2.4	2.1	2.7	2.6	2.8	2.3	2.7	2.5

4.5 Top Twenty Causes of Outpatient Morbidity 2002 -2013

#	2013			2012			2011		
	Disease	Number of Cases	% of Total	Disease	Number of Cases	% of Total	Disease	Number of Cases	% of Total
1	Malaria	10,839,392	34.71	Malaria	10,171,448	39.98	Malaria	1,0171,448	40.0
2	Upper Respiratory Tract Infections	3,549,464	11.37	Other ARI(Acute Respiratory Infection)	2,718,135	10.68	Other ARI(Acute Respiratory Infection)	2,718,135	10.7
3	Diarrhoea Diseases	1,530,739	4.90	Skin Diseases & Ulcers	1,168,196	4.59	Skin Diseases & Ulcers	1,168,196	4.6
4	Skin Diseases	1,511,787	4.84	Diarrhoea Diseases	1,083,005	4.26	Diarrhoea Diseases	1,083,005	4.3
5	Rheumatism & Other Joint Pains	1,369,466	4.39	Rheumatism and Joint Paints	948,428	3.73	Rheumatism and Joint Paints	948,428	3.7
6	Anaemia	955,001	3.06	Hypertension	860,745	3.38	Hypertension	860,745	3.4
7	Hypertension	936,958	3.00	Anaemia	555,159	2.18	Anaemia	555,159	2.2
8	Intestinal Worms	804,472	2.58	Intestinal worms	540,733	2.13	Intestinal worms	540,733	2.1
9	Acute Eye Infection	566,833	1.82	Acute Eye infection	517,397	2.03	Acute Eye infection	517,397	2.0
10	Acute Urinary Tract Infection	506,402	1.62	Acute Urinary Tract Infection	363,418	1.43	Acute Urinary Tract Infection	363,418	1.4
11	Typhoid Fever	339,877	1.09	Pregnancy and Related Complications	247,570	0.97	Pregnancy and Related Complications	247,570	1.0
12	Other Acute Ear infection	284,236	0.91	Typhoid/Enteric Fever (Typhoid)	247,303	0.97	Typhoid/Enteric Fever (Typhoid)	247,303	1.0
13	Pregnancy Related Complications	259,287	0.83	Acute Ear infection	238,910	0.94	Acute Ear infection	238,910	0.9
14	Pneumonia	236,585	0.76	Home Accidents and Injuries	213,925	0.84	Home Accidents and Injuries	213,925	0.8
15	Diabetes Mellitus	220,098	0.70	Diabetes Mellitus	204,812	0.81	Diabetes Mellitus	204,812	0.8
16	Vaginal Discharge	209,327	0.67	Gynaecological conditions	190,073	0.75	Gynaecological conditions	190,073	0.7
17	Home Injuries (Home)	208,617	0.67	Vaginal Discharge	180,892	0.71	Vaginal Discharge	180,892	0.7

7	Accidents and Injuries)								
1	Gynaecological conditions	203,061	0.65	Pneumonia	177,404	0.70	Pneumonia	177,404	0.7
1	Referrals	158,841	0.51	Road Traffic Accidents	108,201	0.43	Road Traffic Accidents	108,201	0.4
2	Transport injuries (Road Traffic Accidents)	126,112	0.40	Dental Caries	98,996	0.39	Dental Caries	98,996	0.4
	All other Diseases	6,409,098	20.53	All Other Diseases	4,606,662	18.11	All Other Diseases	4,606,662	18.1
		31,225,653			28,728,687			25,441,412	

#	2010			2009			2008		
	Disease	Number of Cases	% of Total	Disease	Number of Cases	% of Total	Disease	Number of Cases	% of Total
1	Malaria	8,208,670	43.9	Malaria	7,096,440	46.2	Malaria	5,041,025	47.4
2	Other ARI(Acute Respiratory Infection)	1,695,666	9.1	Other ARI(Acute Respiratory Infection)	1,306,354	8.5	Upper respiratory tract infection	794,301	7.5
3	Skin Diseases & Ulcers	814,224	4.3	Skin Diseases & Ulcers	622,391	4.1	Diarrhoeal Diseases	385,737	3.6
4	Diarrhoea Diseases	737,804	3.9	Diarrhoea Diseases	590,286	3.8	Skin Diseases	422,948	4.0
5	Hypertension	644,134	3.4	Hypertension	497,845	3.2	Hypertension	321,994	3.0
6	Rheumatism and Joint Paints	603,834	3.2	Rheumatism and Joint Paints	429,708	2.8	Home/Occupational Injuries	133,051	1.3
7	Intestinal worms	374,637	2.0	Acute Eye infection	285,328	1.9	Acute Eye Infections	185,175	1.7
8	Acute Eye infection	325,269	1.7	Intestinal worms	256,699	1.7	Pregnancy and Related Complications	158,458	1.5
9	Anaemia	321,792	1.7	Anaemia	211,318	1.4	Rheumatic and Joint Diseases	254,518	2.4
10	Pregnancy and Related Complications	214,008	1.1	Pregnancy and Related Complications	201,566	1.3	Anaemia	139,593	1.3
11	Acute Urinary Tract	209,728	1.1	Home Accidents and	167,689	1.1	Intestinal Worms	165,534	1.6

#	2010			2009			2008		
	Disease	Number of Cases	% of Total	Disease	Number of Cases	% of Total	Disease	Number of Cases	% of Total
	Infection			Injuries					
12	Home Accidents and Injuries	181,254	1.0	Acute Urinary Tract Infection	157,383	1.0	Gynaecological Diseases	92,719	0.9
13	Typhoid/Enteric Fever (Typhoid)	179,497	1.0	Typhoid/Enteric Fever(Typhoid)	141,607	0.9	Pneumonia	85,386	0.8
14	Acute Ear infection	174,320	0.9	Gynaecological conditions	139,574	0.9	Malaria in Pregnancy	89,402	0.9
15	Gynaecological conditions	144,652	0.8	Acute Ear infection	134,661	0.9	Acute Ear Infection	90,562	0.9
16	Diabetes Mellitus	143,713	0.8	Pneumonia	106,858	0.7	Typhoid Fever	93,026	0.9
17	Vaginal Discharge	127,920	0.7	Diabetes Mellitus	96,856	0.6	Road Traffic Injuries	54,139	0.5
18	Pneumonia	121,477	0.6	Vaginal Discharge	96,160	0.6	Other Oral Conditions	40,827	0.4
19	Road Traffic Accidents	82,247	0.4	Road Traffic Accidents	76,423	0.5	Dental Caries	44,496	0.4
20	Dental Caries	69,197	0.4	Dental Caries	63,646	0.4	Chicken Pox	77,790	0.7
	All Other Diseases	3,344,569	17.9	All Other Diseases	2,681,973	17.5	All Other Diseases	1,968,865	18.5
	Total	18,718,612			15,360,765			10,639,546	

#	Diseases	2007		2006		2005	
		Number of Cases	% of Total	Number of Cases	% of Total	Number of Cases	% of Total
1	Malaria	5,384,685	42.5	3,861,348	37.83	3,799,158	44.76
2	Upper respiratory tract infection	920,806	7.3	632,755	6.20	581,323	6.85
3	Diarrhoeal Diseases	452,250	3.6	345,454	3.38	352,384	4.15
4	Skin Diseases	539,197	4.3	341,044	3.34	352,295	4.15
5	Hypertension	505,180	4.0	283,591	2.78	249,342	2.94
6	Home/Occupational Injuries	194,695	1.5	167,029	1.64	192,033	2.26
7	Acute Eye Infections	288,908	2.3	192,984	1.89	190,293	2.24
8	Pregnancy and Related Complications	188,731	1.5	136,958	1.34	172,253	2.03
9	Rheumatic and Joint Diseases	270,296	2.1	183,144	1.79	162,162	1.91
10	Anaemia	185,293	1.5	143,171	1.40	144,606	1.70
11	Intestinal Worms	208,429	1.6	130,071	1.27	134,440	1.58
12	Gynaecological Diseases	182,349	1.4	100,913	0.99	110,199	1.30
13	Pneumonia	124,403	1.0	91,491	0.90	83,154	0.95
14	Malaria in Pregnancy	114,577	0.9	86,730	0.85	94,135	1.11
15	Acute Ear Infection	165,834	1.3	89,163	0.87	80,154	0.95
16	Typhoid Fever	89,444	0.7	67,780	0.66	76,293	0.90
17	Road Traffic Injuries	82,152	0.6	64,646	0.63	76,486	0.90
18	Other Oral Conditions	94,449	0.7	52,073	0.51	52,394	0.62
19	Dental Caries	N/A	N/A	53,632	0.53	52,615	0.62
20	Chicken Pox	N/A	N/A	N/A	N/A	N/A	N/A
	All Other Diseases	2,599,905	20.5	2,696,156	26.41	1,167,593	13.76
	Total Cases	12,667,324		10,208,310			

	Diseases	2004		2003		2002	
		Number of Cases	% of Total	Number of Cases	% of Total	Number of Cases	% of Total
1	Malaria	3,379,527	44.1	3,359,191	43.9	3,140,980	43.7
2	Upper respiratory tract infection	549,398	7.2	519,652	6.8	532,531	7.4
3	Diarrhoeal Diseases	331,998	4.3	322,404	4.2	287,816	4.0
4	Skin Diseases	314,436	4.1	325,262	4.3	308,848	4.3
5	Hypertension	206,925	2.7	212,354	2.8	195,655	2.7
6	Home/Occupational Injuries	177,971	2.3	187,943	2.5	140,723	2.0
7	Acute Eye Infections	162,182	2.1	187,234	2.4	183,735	2.6
8	Pregnancy and Related Complications	145,079	1.9	151,475	2.0	178,937	2.5
9	Rheumatic and Joint Diseases	142,834	1.9	146,552	1.9	146,907	2.0
10	Anaemia	129,315	1.7	128,009	1.7	141,059	2.0
11	Intestinal Worms	119,885	1.6	151,330	2.0	133,302	1.9
12	Gynaecological Diseases	101,786	1.3	103,251	1.4	101,862	1.4
13	Pneumonia	76,742	1.0	77,477	1.0	77,064	1.1
14	Malaria in Pregnancy	74,279	1.0	58,113	0.8	28,969	0.4
15	Acute Ear Infection	74,002	1.0	71,974	0.9	73,441	1.0
16	Typhoid Fever	65,333	0.9	53,825	0.7	31,791	0.4
17	Road Traffic Injuries	64,300	0.8	61,296	0.8	98,026	1.4
18	Other Oral Conditions	52,381	0.7	49,459	0.6	33,987	0.5
19	Dental Caries	47,867	0.6	50,262	0.7	60,284	0.8
20	Chicken Pox	45,512	0.6	19,614	0.3	35,667	0.5
	All Other Diseases	1,398,759	18.3	1,409,845	18.4	1,262,699	17.6
	Total Cases	7,660,241		7,646,522		7,194,283	

Source: CHIM/PPME-GHS

NA: Data Not Available

About 60% of all outpatient cases are made up of Malaria, Upper Respiratory Tract Infection, Diarrhea and Diseases of the Skin. Hypertension has consistently remained the 5th cause of Outpatient morbidity constituting about 3% of all Outpatient reported cases.

5.0 PUBLIC HEALTH SERVICES

5.1 HIV Prevalence among pregnant women attending ANC clinics

Region	2013	2012	2011	2010	2009	2008	2007
Ashanti	3.2	2.6	3.1	3.0	3.9	3.0	3.8
Brong Ahafo	2.1	2.0	2.0	2.0	2.9	2.6	3.3
Central	1.1	1.9	4.7	1.9	3.0	2.0	2.9
Eastern	3.7	3.6	3.6	3.2	4.2	4.2	4.2
Greater Accra	2.7	3.5	3.2	2.6	3.2	3.0	3.4
Northern	0.8	0.9	0.3	0.7	2.0	1.1	1.7
Upper East	1.7	2.1	1.5	2.4	2.2	2.0	2.5
Upper West	0.8	1.2	1.0	1.7	3.1	1.6	3.3
Volta	1.2	2.5	2.2	1.8	2.6	1.7	2.0
Western	2.4	2.4	1.9	2.5	3.1	2.9	3.2
National	1.9	2.1	2.1	2.0	2.9	2.2	2.6

Source: NACP/ PHD

5.2 HIV Prevalence among pregnant women by Age Groups

Age Group	2013	2012	2011	2010	2009	2008	2007
15 – 19 Yrs	0.8	0.7	1.9	1.1	1.9	1.2	1.6
20 – 24 Yrs	1.4	1.5	1.5	1.7	2.2	2.3	2.9
25 – 29 Yrs	2.4	2.8	2.7	2.5	3.7	3.0	3.5
30 – 34 Yrs	2.5	3.0	2.9	2.8	3.4	2.8	2.9
35 – 39 Yrs	3.2	3.3	2.8	2.8	3.6	2.9	3.5
40 – 44 Yrs	2.7	3.2	2.7	2.1	4.0	1.8	1.7
45 – 49 Yrs	3.3	0.0	2.8	2.7	1.8	2.6	1.3
15 – 24 Yrs	1.2	1.3	1.7	1.5	2.1	1.9	2.9

Source: NACP/ PHD

5.3 Guinea Worm Cases

Region	2013	2012	2011	2010	2009	2008	2007
Ashanti	0	0	0	0	2	5	18
Brong Ahafo	0	0	0	0	2	11	42
Central	0	0	0	0	0	1	0
Eastern	0	0	0	0	1	2	7
Greater Accra	0	0	0	0	0	0	2
Northern	0	0	0	8	237	479	3237
Upper East	0	0	0	0	0	1	5
Upper West	0	0	0	0	0	1	23
Volta	0	0	0	0	0	1	22
Western	0	0	0	0	0	0	2
National	0	0	0	8	242	501	3,358

Source: Guinea Worm Eradication Programme

5.4 Tuberculosis Case Notification per 100,000 Population

Region	2013	2012	2011	2010	2009	2008	2007	2006	2005	2004	2003
Ashanti		58	63	59	53	54	51	49	53	53.4	56.2
Brong Ahafo	26	43	44	37	38	30	36	31	28	32.7	33.6
Central	62	67	67	73	80	67	69	61	75	79.6	81.4
Eastern	65	65	68	72	80	71	71	72	75	67.0	76.2
Greater Accra		74	81	81	82	80	69	78	67	63.7	60.5
Northern	23.4	24	27	22	24	31	25	20	18	24.1	19.3
Upper East		57	68	63	48	48	51	32	34	38.5	36.5
Upper West		43	40	38	37	35	29	28	35	34.8	31.7
Volta	66.9	71	71	66	80	68	58	61	64	69.6	69.8
Western		66	74	76	74	74	73	75	76	66.6	78.5
National	61	63	63	63	64	61	57	57	57	56.6	58.4

Source: National TB Programme (PHD)

5.5 Tuberculosis Cure Rate

Region	2012	2011	2010	2009	2008	2007	2006	2005	2004	2003	2002
Ashanti	76.1	76.4	96.9	77.4	81.4	82.3	80.5	74.7	71.9	69.0	59.2
Brong Ahafo	76.5	67.0	65.9	71.3	70.9	64.1	59.0	60.8	61.1	63.7	63.5
Central	82.4	82.1	86.0	86.3	87.1	81.8	71.4	62.9	42.4	46.3	47.5
Eastern	68.6	71.0	61.4	73.8	75.5	72.9	68.8	63.1	61.4	60.0	47.0
Greater Accra	85.8	82.7	83.5	81.7	82.0	82.5	76.0	80.5	82.0	77.7	64.8
Northern	64.9	62.3	76.4	79.3	74.8	76.3	66.4	66.0	47.0	64.0	45.0
Upper East	81.3	85.2	87.6	88.3	72.2	75.0	73.6	66.9	67.4	59.6	56.4
Upper West	64.7	62.3	50.5	54.6	42.1	44.5	56.3	47.4	62.5	52.0	39.4
Volta	69.4	74.9	73.8	78.7	88.0	79.8	74.0	77.3	74.4	74.7	71.8
Western	69.5	72.3	75.2	77.6	73.5	74.2	59.9	57.6	55.6	38.7	41.6
National	74.5	75.5	75.6	79.1	78.8	77.5	76.1	67.6	64.0	61.0	55.1

Source: National TB Programme (PHD)

5.6 Tuberculosis Success Rate

Region	2012	2011	2010	2009	2008	2007	2006	2005	2004	2003	2002
Ashanti	90.9	90.0	91.8	88.8	90.3	90	86	80	79	81	70
Komfo Anokye Teaching Hospital	77.3	77.3	75.7	70.8	73.5	86	70	57	64	71	64
Brong Ahafo	85.3	83.5	76.6	78.9	82.3	77	70	66	67	69	70
Central	85.7	87.0	87.7	90.4	90.0	87	75	67	54	53	55
Eastern	81.8	83.7	72.1	80.5	82.0	79	77	72	67	64	62
Greater Accra	90.8	87.5	89.3	87.5	84.9	87	85	79	82	79	76
Korle Bu Teaching Hospital	78.2	78.5	72.7	65.8	70.8	70	69	68	77	71	68
Northern	73.1	81.2	85.0	84.5	87.8	83	80	80	74	75	73
Upper East	85.8	85.7	88.3	89.1	76.9	79	78	72	72	70	68
Upper West	83.2	77.2	73.0	73.6	61.8	71	71	65	85	69	62
Volta	86.5	86.1	87.7	87.1	93.4	87	83	84	82	81	77
Western	90.4	88.1	91.0	90.9	86.5	86	74	67	68	61	70
National	86.7	86.2	85.5	87.0	85.4	84	79	73	72	70	68

Source: National TB Programme (PHD)

6.0 Expanded Programme On Immunization

REGION	6.1 Measles Immunisation Coverage Rate, 2001 - 2013												
	2013	2012	2011	2010	2009	2008	2007	2006	2005	2004	2003	2002	2001
Ashanti	86.0	87	84.7	87.8	87.1	80.7	77.7	73.7	79	68	70	77.0	83.9
Brong Ahafo	91.0	97	96.4	95.5	93.9	96.6	102.0	99.4	89	87	86	87.0	91.1
Central	85.0	88	98.5	97.4	98.1	94.4	94.0	89.0	85	83	81	83.5	80.5
Eastern	79.0	87	94.4	96.0	94.0	95.1	95.5	93.8	92	86	93	91.6	84.7
Greater Accra	76.0	78	71.4	71.2	74.0	67.3	69.2	65.9	67	63	66	75.6	70.0
Northern	107.0	113	112.4	107.1	119.7	109.2	116.4	112.4	96	94	92	106.4	90.0
Upper East	79.0	83	85.0	83.6	105.9	93.1	102.2	95.8	85	88	84	93.3	77.0
Upper West	75.0	75	75.8	82.0	90.6	90.0	97.7	101.1	78	92	88	89.7	90.9
Volta	73.0	77	78.9	78.4	78.3	78.8	78.8	71.0	69	70	68	65.3	71.7
Western	85.0	96	86.4	85.7	85.2	87.5	92.1	90.3	80	86	87	86.8	92.1
National	84.0	89	87.7	87.7	89.1	86.5	88.6	85.1	81	78	79	83.8	82.4

Source: Expanded Programme on Immunisation

REGION	6.2 Penta 3 (DPT3) Immunisation Coverage Rate, 2001 - 2013												
	2013	2012	2011	2010	2009	2008	2007	2006	2005	2004	2003	2002	2001
Ashanti	88.0	88	85	86.5	83.7	76.8	72.3	71.0	73	66	66	70.3	74.2
Brong Ahafo	92.0	96	94	94.3	95.0	97.3	100.2	96.8	91	83	81	82.7	86.9
Central	83.0	86	95	94.3	96.6	92.2	92.6	88.4	88	86	83	82.0	81.3
Eastern	83.0	87	93	93.6	94.5	93.0	93.0	88.6	89	79	81	80.1	67.7
Greater Accra	74.0	85	66	70.1	72.7	68.3	67.8	65.4	66	55	62	71.5	64.8
Northern	110.0	110	114	109.2	123.0	114.5	123.7	115.2	112	93	85	90.2	82.3
Upper East	83.0	84	87	83.1	105.9	94.8	101.6	92.6	97	87	83	90.7	77.1
Upper West	79.0	76	83	83.0	90.1	87.5	93.9	92.4	76	90	87	84.9	91.2
Volta	75.0	78	81	81.4	82.9	83.8	83.8	77.5	75	71	67	64.7	72.7
Western	88.0	95	89	86.4	88.6	89.0	93.3	91.1	85	86	88	85.4	85.7
National	86.0	88	87	87.1	89.3	86.6	87.8	84.2	83	76	76	78.1	76.3

Source: Expanded Programme on Immunisation

REGION	6.3 OPV3 Immunisation Coverage Rate, 2001-2013												
	2013	2012	2011	2010	2009	2008	2007	2006	2005	2004	2003	2002	2001
Ashanti	88.0	87.5	84.7	86.3	83.61	76.7	72.3	70.6	72	66	68.0	70.5	76.1
Brong Ahafo	92.0	95.2	93.8	94.1	93.76	97.2	101.3	97.1	91	82	80.2	81.2	86.2
Central	83.0	86.5	94.4	92.9	93.66	90.9	92.7	88.2	102	89	83.9	85.5	81.1
Eastern	85.0	87.4	92.6	93.1	94.15	92.7	93.3	88.8	91	79	81.3	80.4	69.2
Greater Accra	74.0	74.5	66.1	70.3	72.28	68.4	67.4	64.8	66	56	60.5	71.8	65.4
Northern	108.0	109.2	114.1	109.0	122.13	114.2	122.5	113.3	112	93	84.7	92.0	74.4
Upper East	83.0	86.4	86.5	82.8	105.35	89.2	100.8	92.6	96	87	82.9	91.9	74.2
Upper West	79.0	75.7	79.8	81.7	89.27	87.4	93.8	92.3	75	90	86.2	85.0	92.2
Volta	75.0	77.3	81.2	81.5	83.11	83.8	83.6	78.0	76	71	67.1	65.0	71.5
Western	91.0	93.9	87.9	86.0	88.00	88.4	92.4	89.6	85	86	87.4	87.1	87.1
National	86.0	87.4	86.7	86.8	88.69	86.1	87.6	83.7	84	76	75.5	78.8	75.9

Source: Expanded Programme on Immunisation

REGION	6.4 BCG Immunisation Coverage Rate, 2001 -2013												
	2013	2012	2011	2010	2009	2008	2007	2006	2005	2004	2003	2002	2001
Ashanti	103.0	105.4	107.1	105.5	101.6	95.7	90.5	87.5	86	72	77.0	84.2	92.6
Brong Ahafo	109.0	114.1	114.4	111.6	111.1	111.6	114.5	111.6	99	98	96.7	94.6	94.8
Central	105.0	114.1	124.0	120.5	123.9	118.6	124.0	114.5	115	111	109.0	110.9	94.9
Eastern	95.0	103.8	110.3	114.3	114.2	111.7	110.6	110.2	114	104	102.3	107.1	97.1
Greater Accra	78.0	83.9	77.5	74.8	75.6	76.4	73.7	73.6	83	72	79.3	83.3	72.8
Northern	126.0	130.2	134.7	126.8	139.5	131.0	130.8	128.7	117	113	101.7	107.9	82.8
Upper East	87.0	89.5	99.3	91.3	123.5	107.3	112.5	110.6	96	108	109.1	116.1	100.8
Upper West	82.0	81.5	85.8	92.3	104.6	105.2	109.1	110.0	88	106	98.5	95.6	94.5
Volta	84.0	90.9	95.8	94.1	94.5	98.1	98.1	91.4	89	88	82.3	80.5	84.6
Western	106.0	117.1	104.9	99.0	100.6	103.0	107.8	103.8	98	100	101.0	104.4	108.9
National	98.0	104.3	104.8	102.1	103.8	102.6	102.4	99.6	97	92	92.0	95.6	90.8

Source: Expanded Programme on Immunisation

REGION	6.5 Tetanus Toxioids Immunisation Coverage Rate, 2001-2008								
	2013	2012	2011	2010	2009	2008	2007	2006	2005
Ashanti	75.0	76.5	80.6	78.0	83.1	80.2	69.0	68.3	64
Brong Ahafo	76.0	74.4	81.6	84.9	82.2	89.8	90.9	88.9	89
Central	72.0	82.6	86.4	94.3	89.6	93.2	81.9	78.7	88
Eastern	76.0	71.9	80.2	83.6	85.1	80.7	67.3	68.1	66
Greater Accra	61.0	66.8	65.4	67.4	66.8	59.6	50.3	56.8	60
Northern	97.0	94.3	82.2	93.5	108.0	97.9	95.0	78.5	96
Upper East	59.0	62.3	70.3	63.8	85.5	66.2	90.4	78.3	72
Upper West	55.0	56.2	64.1	69.4	71.2	71.6	67.4	52.3	43
Volta	56.0	60.0	67.8	60.8	63.9	63.7	57.0	59.7	68
Western	65.0	72.3	64.1	62.8	62.6	62.7	58.8	57.1	55
National	71.0	73.6	75.7	76.2	78.6	76.3	70.1	68.2	68

Source: Expanded Programme on Immunisation

REGION	6.6 Yellow Fever Immunisation Coverage Rate, 2005-2013								
	2013	2012	2011	2010	2009	2008	2007	2006	2005
Ashanti	86.0	86.8	84.3	87.4	86.8	80.4	76.9	72.9	74
Brong Ahafo	90.0	92.4	95.3	95.1	94.0	94.8	100.9	98.4	93
Central	85.0	86.2	96.9	95.1	96.8	91.3	91.9	86.6	78
Eastern	80.0	85.8	93.9	95.9	94.2	95.4	95.5	90.8	91
Greater Accra	76.0	77.3	71.4	43.2	73.2	66.8	68.3	64.4	66
Northern	105.0	110.1	111.4	106	118.7	107.6	115.0	110.0	101
Upper East	77.0	96.0	83.3	81.5	107.5	84.8	101.1	92.6	88
Upper West	75.0	74.5	75.1	82.6	89.5	88.0	97.0	96.2	84
Volta	73.0	76.3	79.1	78.5	78.2	79.0	77.0	71.6	69
Western	86.0	93.8	85.9	85.5	84.7	93.1	96.6	93.6	78
National	84.0	87.8	87.1	87.5	88.8	86.0	88.1	84.0	80

Source: Expanded Programme on Immunisation

REGION	6.7 Rotarix 2 Coverage 2012-2013	
	2013	2012
Ashanti	88.0	49.0
Brong Ahafo	88.0	53.0
Central	80.0	43.0
Eastern	79.0	44.0
Greater Accra	70.0	43.0
Northern	107.0	55.0
Upper East	81.0	46.0
Upper West	77.0	43.0
Volta	75.0	40.0
Western	84.0	46.0
National	83.0	47.0

Source: Expanded Programme on Immunisation

REGION	6.8 PCV 3 Coverage 2012-2013	
	2013	2012
Ashanti	88.0	42.0
Brong Ahafo	92.0	46.0
Central	80.0	37.0
Eastern	83.0	41.0
Greater Accra	74.0	39.0
Northern	104.0	48.0
Upper East	83.0	40.0
Upper West	78.0	35.0
Volta	75.0	35.0
Western	84.0	37.0
National	84.0	40.0

Source: Expanded Programme on Immunisation

REGION	6.9 AFP Non-Polio Rate 2006-2013							
	2013	2012	2011	2010	2009	2008	2007	2006
Ashanti	1.98	1.17	2.09	1.48	2.10	1.35	0.89	1.24
Brong Ahafo	6.35	3.40	2.80	2.4	3.70	4.22	1.44	2.11
Central	2.66	2.22	2.38	1.38	4.25	2.00	3.13	1.29
Eastern	2.29	1.80	2.00	1.6	4.10	2.70	1.30	1.79
Greater Accra	1.52	0.25	0.60	0.95	1.06	1.06	0.50	0.69
Northern	2.73	1.64	3.30	2.2	2.50	3.40	2.11	1.33
Upper East	6.15	3.50	4.50	2.0	5.50	4.50	2.00	3.50
Upper West	5.77	3.33	5.00	4.0	4.33	3.33	3.00	2.40
Volta	2.09	1.67	3.13	3.13	2.25	1.63	1.75	2.27
Western	1.42	0.75	2.00	2.18	1.82	2.10	2.80	2.89
National	2.71	1.53	2.20	1.82	2.68	2.24	1.60	1.70

Source: Disease Surveillance Department

7.0 Reproductive Health Services

REGION	7.1 ANTE NATAL COVERAGE								7.2 SUPERVISED DELIVERY							
	2013	2012	2011	2010	2009	2008	2007	2006	2013	2012	2011	2010	2009	2008	2007	2006
Ashanti	81.9	82.3	84.3	84.7	80.7	86.1	76.1	74.0	55.4	50.1	45.9	53.4	42.4	35.0	26.7	40.8
Brong Ahafo	95.5	100.4	110.6	82.3	97.9	102.1	101.8	97.4	65.0	65.7	46.8	54.0	53.7	49.8	34.5	47.4
Central	89.3	97.7	107.7	106.1	109.1	115.5	108.7	103.8	53.7	58.7	51.6	51.6	52.5	56.3	22.3	74.0
Eastern	82.1	86.9	93.9	84.8	93.4	98.2	87.2	86.0	52.8	56.5	58.1	48.2	52.1	48.0	43.1	38.7
Greater Accra	86.9	88.7	91.7	89.5	77.4	85.2	77.2	77.2	56.4	56.6	58.8	54.4	47.9	50.3	43.1	42.2
Northern	113.6	112.0	135.0	120.9	120.8	127.7	116.8	109.0	46.8	43.3	44.5	36.8	36.1	26.0	27.7	25.1
Upper East	83.8	88.1	91.6	92.5	100.1	102.1	111.7	104.2	67.5	68.4	67.0	59.7	52.6	40.4	43.5	38.4
Upper West	87.7	84.4	86.2	88.8	88.9	93.5	96.3	90.3	58.2	52.5	39.0	46.5	36.7	40.6	32.9	28.8
Volta	78.3	81.8	88.7	81	88.9	93.4	87.4	87.1	43.4	44.8	44.3	36.9	39.4	37.5	33.3	35.4
Western	103.2	101.1	98.6	109.8	93.5	98.8	91.7	93.0	55.5	53.5	39.3	49.6	42.6	39.1	17.6	34.8
National	90.0	92.2	98.2	93.3	92.4	97.8	91.1	88.1	55.0	55.6	52.2	49.5	45.6	42.2	32.1	44.5

Source: RCH/PHD

REGION	7.3 POST NATAL CARE								7.4 FAMILY PLANNING ACCEPTORS							
	2013	2012	2011	2010	2009	2008	2007	2006	2013	2012	2011	2010	2009	2008	2007	2006
Ashanti	49.4	48.2	53.4	52.6	38.4	51.6	50.6	51.9	19.0	16.6	17.4	17.6	17.5	15.7	15.2	15.3
Brong Ahafo	71.3	66.0	64.0	59.2	53.7	57.2	57.1	53.8	35.3	26.4	28.3	33.0	43.4	36.3	40.9	42.9
Central	56.9	62.9	68.9	66.8	71.4	77.6	73.4	68.5	22.9	26.3	28.5	25.1	33.1	33.0	29.6	37.0
Eastern	68.5	68.7	71.7	64.5	67.0	61.5	61.5	60.8	28.1	31.6	36.3	31.5	32.9	33.1	33.3	35.0
Greater Accra	63.0	62.8	65.4	57.7	51.7	48.7	48.5	44.8	28.9	27.3	41.9	31.6	32.6	63.9	16.4	20.4
Northern	89.7	83.8	91.8	88.9	84.9	80.7	76.8	70.8	15.9	16.4	21.0	21.5	28.9	26.0	20.1	17.8
Upper East	76.6	77.0	78.7	76.2	77.8	57.3	66.9	60.7	26.9	28.1	29.7	24.3	33.0	26.2	27.4	26.7
Upper West	69.3	64.8	68.8	68.4	64.9	68.7	70.1	54.3	42.0	42.0	50.7	49.2	56.5	59.8	85.0	54.3
Volta	55.1	53.4	58.2	50.1	47.3	50.5	55.6	53.9	24.1	24.6	28.6	22.5	27.5	21.6	23.7	27.9
Western	63.2	59.6	55.5	54.4	49.5	45.6	37.6	35.5	21.2	18.9	22.8	13.0	18.9	19.6	13.9	15.2
National	64.1	62.7	65.3	58.1	56.4	57.5	56.7	53.7	24.7	25.2	28.1	34.7	31.1	33.8	23.2	25.4

Source: RCH/PHD

7.5 Institutional Maternal Mortality Ratio

Region	2013		2012		2011		2010		2009		2008		2007	
	Maternal Deaths	Maternal Mortality Ratio												
Ashanti	200	125.3	79	77	252	232	165	149.6	177	215	222	252.6	179	245.9
Brong Ahafo	95	139.2	112	167	93	208	73	138.7	94	194	81	185.3	88	222.0
Central	68	121.6	64	113	74	141	82	149.0	69	129	92	223.2	92	266.2
Eastern	124	199.5	116	179	935	207	115	191.6	82	136	98	170.7	146	265.3
Greater Accra	201	196.7	196	201	242	256	169	181.5	166	197	167	194.3	149	202.3
Northern	99	173.7	111	212	114	165	84	137.2	96	147	91	175.9	113	206.9
Upper East	33	108.4	40	136	36	120	37	137.9	30	131	27	152.2	29	140.7
Upper West	34	192.9	24	146	29	202	26	157.7	41	267	22	120.6	30	160.9
Volta	73	161.0	72	175	87	201	82	209.6	55	146	52	144.7	65	200.5
Western	85	152.7	75	132	60	114	99	176.1	79	148	101	269.5	104	341.0
National	1,012	154.5	889	152	1,122	195	932	163.2	889	170	953	199.7	996	230.2

Region	2006		2005		2004		2003		2002		2001	
	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

Source: CHIM/RCH

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

APPENDIX 1

8.1 TREND IN OPD ATTENDANCE PER CAPITA (2006-2014)

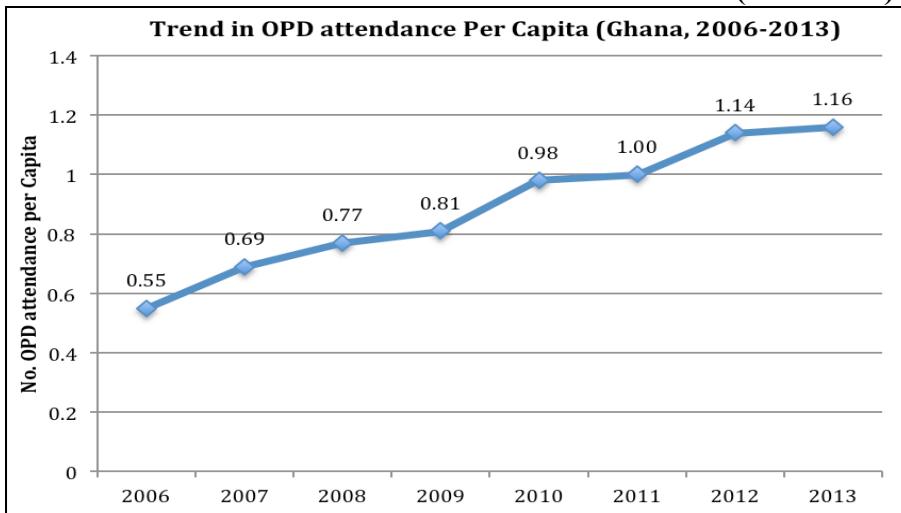


Figure 1

8.3 TOTAL FERTILITY RATE-GHANA (1988-2014)

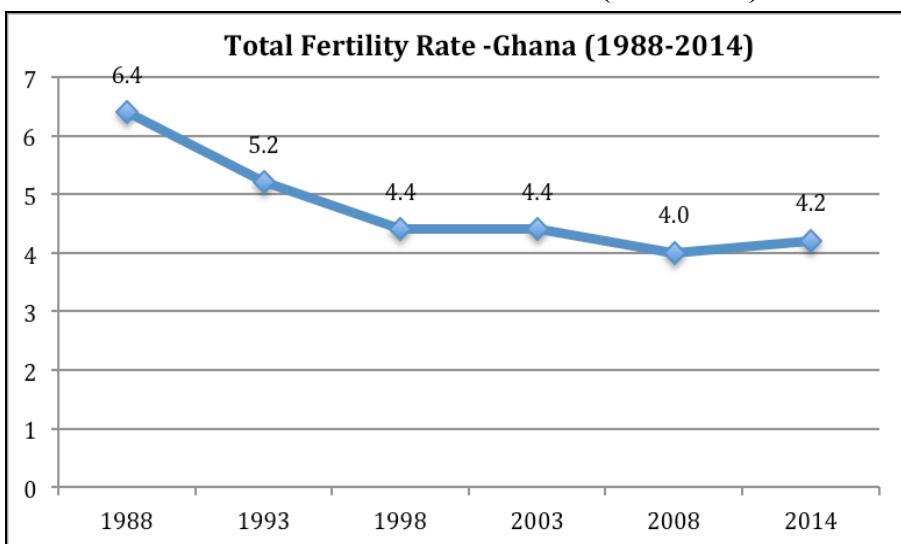


Figure 3

8.2 INFANT MORTALITY RATE-GHANA (1988-2014)

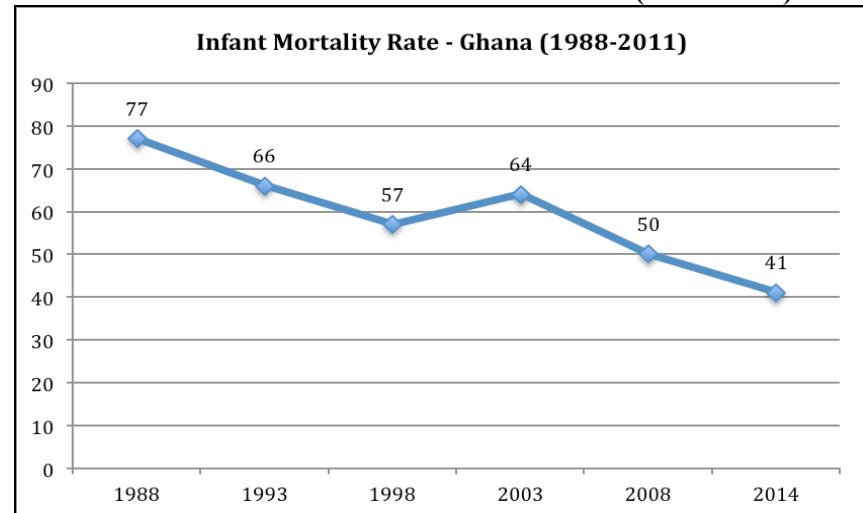


Figure 2

8.4 PREVALENCE OF MALARIA PER 100,000 POPULATION

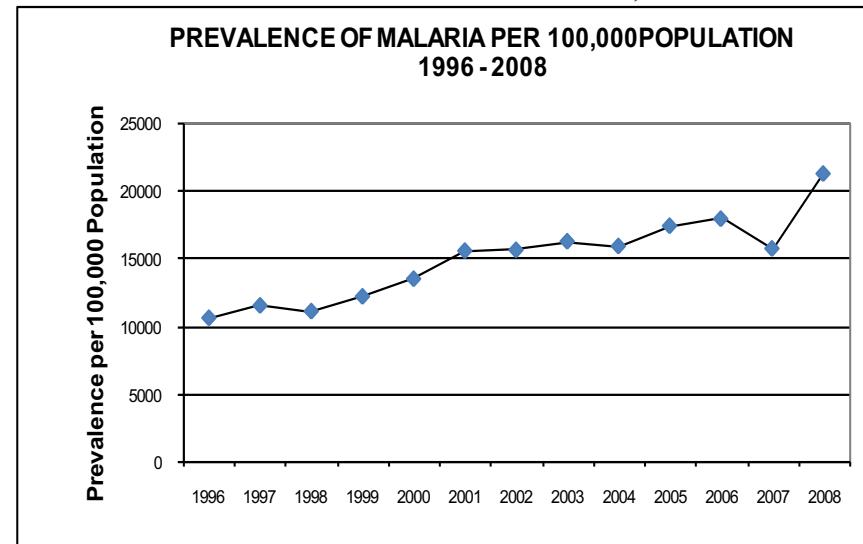


Figure 4

8.5 DOCTOR POPULATION RATIO (2008-2013)

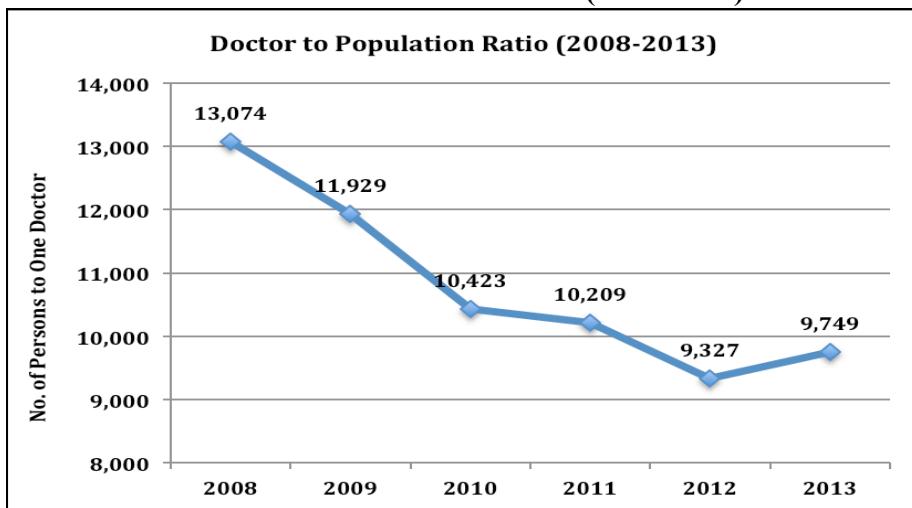


Figure 5

8.7 IMMUNIZATION COVERAGE (2008-2013)

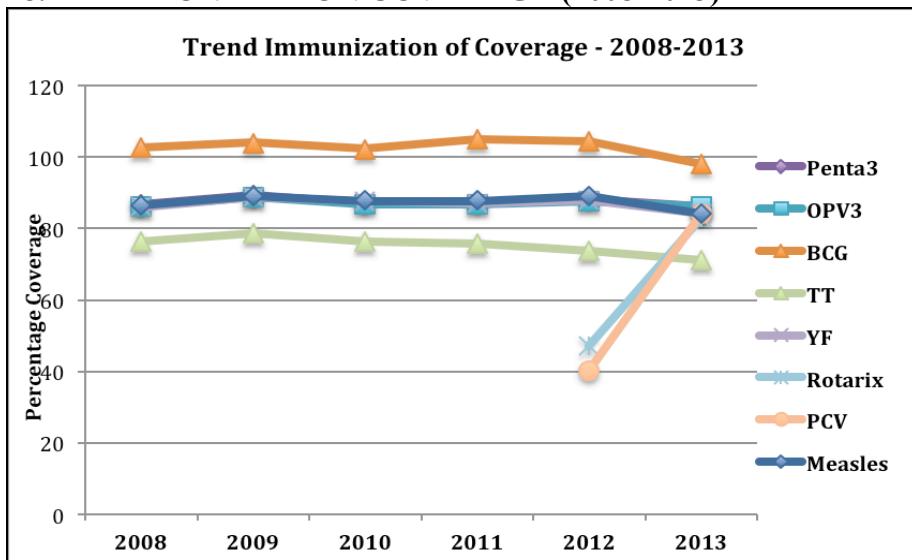


Figure 7

8.6 NURSE POPULATION RATIO (2008-2013)

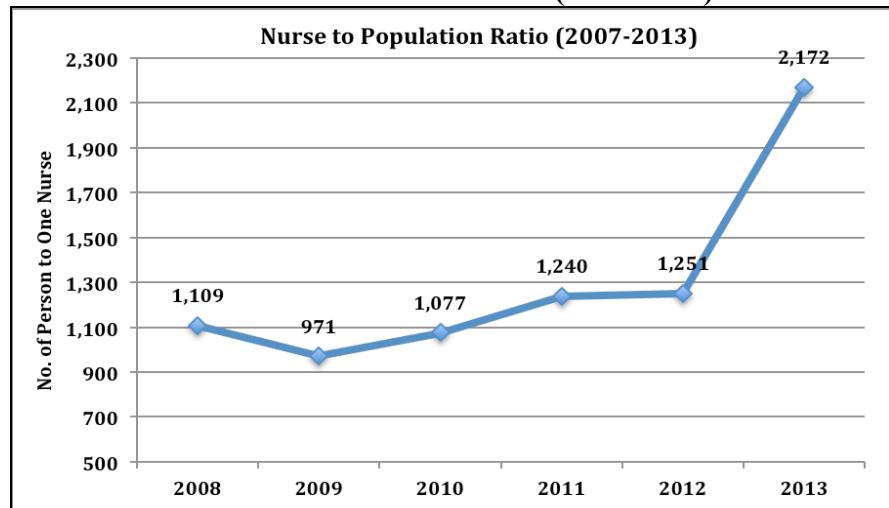


Figure 6

8.8 RCH COVERAGE (2002-2008)

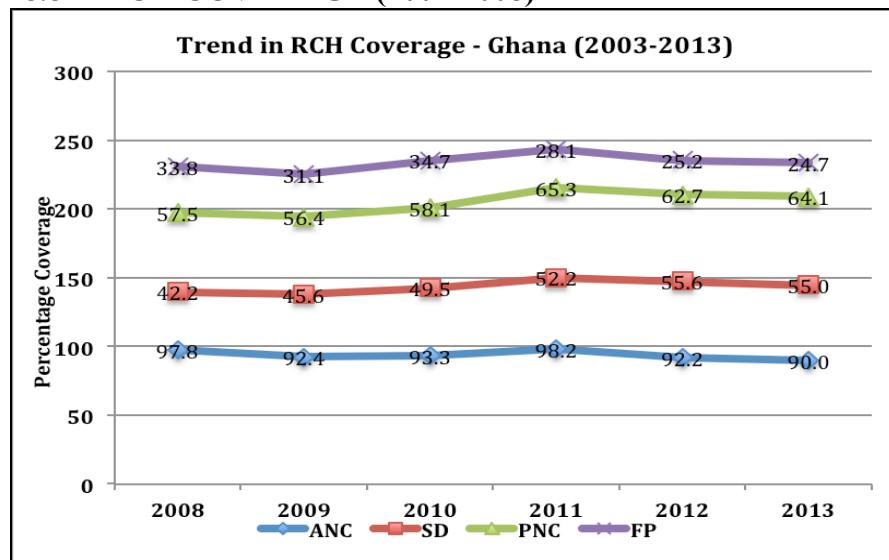


Figure 8

APPENDIX 2

9.0 MAJOR CAUSES OF ADMISSIONS AND DEATHS – 2013

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.

9.1 Top Ten Causes of Admission All Ages – National

Rank	Cause of Admission	Total cases seen	Proportional Morbidity Rate (%)
1	Malaria	137,680	31.79
2	Other gastroenteritis and colitis of infectious and unspecified origin	22,667	5.23
3	Essential (primary) hypertension	15,085	3.48
4	Protozoal diseases complicating pregnancy, childbirth and the puerperium	14,648	3.38
5	Unspecified abortion	10,040	2.32
6	Anaemia	9,120	2.11
7	Single spontaneous delivery	7,931	1.83
8	Pneumonia	6,001	1.39
9	Threatened abortion	5,986	1.38
10	Sepsis	5,912	1.36
	All other diseases	198,074	45.73
	Total	433,144	100

Source: CHIM/PPME-GHS

9.2 Top Ten Causes of Death All Ages - National

Rank	Cause of Death	Total cases seen	Proportional Mortality Rate (%)
1	Malaria	1,227	10.57
2	Stroke, not specified as haemorrhage or infarction	733	6.31
3	Essential (primary) hypertension	616	5.31
4	Anaemia	434	3.74
5	Human immunodeficiency virus [HIV] disease resulting in other conditions	369	3.18
6	Pneumonia	365	3.14
7	Sepsis	319	2.75
8	Unspecified human immunodeficiency virus [HIV] disease	317	2.73
9	Other gastroenteritis and colitis of infectious and unspecified origin	291	2.51
10	Congestive heart failure	276	2.38
	All other diseases	6,663	57.39
	Total	11,610	100

Source: CHIM/PPME-GHS

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

Rank	Cause of Admission	Total cases seen	Proportional Morbidity Rate (%)
1	Malaria	68,224	57.17
2	Other gastroenteritis and colitis of infectious and unspecified origin	7,288	6.11
3	Anaemia	3,810	3.19
4	Sepsis	3,669	3.07
5	Bacterial sepsis of newborn	3,407	2.86
6	Bronchopneumonia	3,206	2.69
7	Pneumonia	2,565	2.15
8	Other specified respiratory disorders	1,820	1.53
9	Anaemia due to glucose-6-phosphate dehydrogenase [G6PD] deficiency	1,819	1.52
10	Febrile convulsions	1,296	1.09
	All other diseases	22,222	18.63
	Total	119,326	100

Source: CHIM/PPME-GHS

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

Rank	Cause of Death	Total cases seen	Proportional Mortality Rate (%)
1	Malaria	385	19.23
2	Bacterial sepsis of newborn	227	11.34
3	Other preterm infants	175	8.74
4	Birth asphyxia	164	8.19
5	Hydrocephalus	120	5.99
6	Anaemia	81	4.05
7	Sepsis	74	3.70
8	Pneumonia	65	3.25
9	Unspecified protein-energy malnutrition	45	2.25
10	Bronchopneumonia	44	2.20
	All other diseases	622	31.07
	Total	2002	100

Source: CHIM/PPME-GHS

10.0 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