



THE HEALTH SECTOR IN GHANA

FACTS AND FIGURES

2017



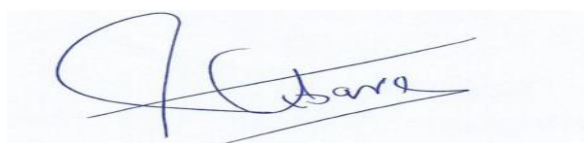
FOREWORD

The Ghana Health Service (GHS) together with other health Agencies of the Ministry of Health (MoH) and its Development Partners are committed to the provision of quality and adequate health care services to the people of Ghana. This involves the planning, implementation, monitoring and evaluation of health programmes and services in accordance with approved national policies. In order to fulfill this part of its mandate, timely, accurate and relevant information on the health status and health services in Ghana is essential.

The production of *'The Health Sector in Ghana: Facts and Figures'* since 2005 has become a handy reference on the performance of the health sector as an information tool for policy makers, health service/programme managers, health partners, stakeholders, researchers and students. 'Facts and Figures' is a document developed by the Centre for Health Information Management (CHIM) under the Policy Planning Monitoring and Evaluation Division (PPMED) of the GHS in collaboration with other Agencies and Development Partners. CHIM is the focal unit responsible for the collection, analysis, reporting and presentation of health service information of the Health Sector. This document is developed annually after the first quarter of a calendar year, with conclusion of the GHS Regional and Headquarters Annual Performance Reviews that culminate in writing of a GHS Annual Report for the previous year.

The information contained in this document is mainly summaries and population-based indicators. Precisely its information are mainly summaries of service data from all the regions, districts, health facilities (Government, Christian Health Association of Ghana – CHAG and Private), population-based data from Ghana's Demographic Health and Survey (GDHS) - a document produced by Ghana Statistical Service, and other sources data.

I am confident that this information tool would provide readers with an excellent glimpse or preview of the health sector performance. However, readers are further directed to the *"The Ghana Health Service Annual Report"* and *"Ghana Health Service Annual Statistical Report"* for detailed presentation of the performance of the health sector.



DR. ANTHONY NSIAH-ASARE

Director General

Ghana Health Service

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The Health Sector in Ghana: Facts and Figures 2017 was developed by a Technical Working Group (TWG) mainly from the Centre for Health and Information Management (CHIM) of the Policy Planning, Monitoring, and Evaluation Division (PPMED) of the Ghana Health Service (GHS) in collaboration with the World Health Organization (WHO). The TWG was ably led by Dr. Koku Awoonor-Williams, Director PPMED of the GHS.

In no special order the Technical Working Group members are:

- | | |
|-------------------------------|--|
| 1. Dr. Koku Awoonor-Williams, | Director, PPMED/GHS, Accra |
| 2. Dr. Anthony Ofosu, | Deputy Director, M&E, PPMED/GHS, Accra |
| 3. Dr. K. Boateng Boakye, | Public Health Specialist, PPMED/GHS, Accra |
| 4. Mr. Denis Leonard Adalety, | Deputy Head, CHIM, PPMED, GHS, Accra |
| 5. Mrs. Emma Hammond, | PPMED, IME, GHS, Accra |
| 6. Mr. Ben Benasco Sackey | WHO, Accra |
| 7. Miss. Patience Kumi, | CHIM, PPMED, GHS, Accra |
| 8. .Mr. Atsu Bon Ayi, | CHIM, PPMED, GHS, Accra |
| 9. Mr. James Makpa, | CHIM, PPMED, GHS, Accra |
| 10. Mr.Kingsley Baah, | CHIM, PPMED, GHS, Accra |
| 11. Dominic Kwabena Atweam | IME, PPMED, GHS, Accra |
| 12. Mrs. Cecilia Lamptey | CHIM, PPMED, GHS, Accra |
| 13. Miss. Joyce Odonkor | CHIM, PPMED, GHS, Accra |

The 2017 Facts and Figures was developed by the Policy Planning, Monitoring and Evaluation Division (PPMED) of the GHS as a result of the collaboration between Ministry of Health, World Health Organization, Ghana Statistical Services, other Health Implementing Agencies and Development Partners

The Ghana Health Service would like to specially acknowledge the support and rich contribution of Ghana Statistical Services in the provision of health-related statistics to the general public and other Health Implementing Agencies and Development Partners.

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-based Health Planning and Services
DHIMS 2	District Health Information Management System 2
EPI	EPI, GHS
GGDHS	Ghana Demographic and Health Survey
GHS	Ghana Health Service
GSS	Ghana Statistical Services
GSGDA	Ghana Shared Growth and Development Agenda
HRDD	Human Resource Development Division
HSMTDP	Health Sector Medium Term Development Plan
IME	Information, Monitoring & Evaluation
NACP	National AIDS Control Programme
NHIS	National Health Insurance Scheme
PHC	Primary Health Care
PHD	Public Health Division
PPME	Policy Planning Monitoring and Evaluation

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INTRODUCTION

The Health Sector in Ghana: Facts and Figures serves as an information tool for policy makers, health service/programme managers, health partners, stakeholders, researchers and students on health sector performance. Facts and Figures for a particular year have population estimates, human resource, and health facilities list for the year of the facts and figures. However for the service data available figures provided are up to that of the previous year and indicator estimates from WHO/UNDP are the most recent Global estimate figures for the particular year.

The need for complete, accurate, timely and for that matter reliable health information for decision making at all levels of the health service, inclusive of effective and efficient planning cannot be overemphasized. The DHIMS2 database manned by Ghana Health Service (GHS) provides the framework for gathering and managing health service data in Ghana.

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 sector's 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 (PHC) to all people living in Ghana, 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.

Over the years capturing outpatient and inpatient data from the Teaching Hospitals have been a challenge which situation has improved over the years. Ongoing collaborative discussions would eventually make it a thing of the past. Similarly the degree of capture of private sector service data although has witnessed some improvement over the years needs to be further enhancement. Though data is readily available online, generated Facts and Figures provides instant access of reliable data to managerial, especially in times when their busy schedules make any savings on time worth the effort no matter how minute. Therefore, it is expected that this document which has become an easy source of reference will support managerial leaders to make timely and appropriate decisions to improve service delivery.

Mandate

The Mandate of the Service is to:

- Implement approved national policies for health delivery in the country;
- Increase access to improved health services; and
- Manage prudently resources available for provision of health services.

Mission

The Mission of the Service is to:

Provide and prudently manage comprehensive and accessible quality health services with emphasis on Primary Health Care in accordance with approved national policies.

2017 HEALTH SECTOR OBJECTIVES

The Health Objectives within the Sector Medium Term Development Plan 2014-2017 are to:

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

GHS Core Values

In pursuit of its mission, the GHS is guided by these core values:

1. Professionalism
2. People-Centredness/Client Focus
3. Discipline
4. Teamwork
5. Innovation and Excellence
6. Integrity

In addition to above core values the GHS is partner-friendly, collaborating effectively with all its partners to harness their capacity and competitive advantage. Furthermore, the GHS ensures that its programmes and activities are driven by evidence-based decisions.

1.0 Demography

1.1 Population Distribution by Region – 2017

No.	Region	Regional Projection	Target Population <1 year and Expected Pregnancies (4%)	Target Population for WIFA (24%)	No. of Districts per Region
1	Ashanti	5,552,177	222,087	1,332,522	30
2	Brong Ahafo	2,732,479	109,299	655,795	27
3	Central	2,503,619	100,145	600,868	20
4	Eastern	3,110,369	124,415	746,489	26
5	Greater Accra	4,738,205	189,528	1,137,169	16
6	Northern	2,935,980	117,439	704,635	26
7	Upper East	1,220,898	48,836	293,015	13
8	Upper West	813,933	32,557	195,344	11
9	Volta	2,499,936	99,997	599,985	25
10	Western	2,965,029	118,601	711,607	22
	National	29,072,625	1,162,905	6,977,430	

Source: GSS 2010 Census (Projection)

1.2 Population Distribution by District, Ashanti Region – 2017

No.	District	District Projection	Target Population <1 year and Expected Pregnancies (4%)	Target Population for WIFA (24%)
	All districts	5,552,177	222,087	1,332,522
1	Atwima Mponua	139,188	5,568	33,405
2	Amansie West	155,898	6,236	37,415
3	Amansie Central	105,857	4,234	25,406
4	Adansi South	133,622	5,345	32,069
5	Obuasi Municipal	194,864	7,795	46,767
6	Adansi North	122,489	4,900	29,397
7	Bekwai Municipal	123,640	4,946	29,673
8	Bosome Freho	72,378	2,895	17,371

9	Asante Akim South	139,200	5,568	33,408
10	Asante Akim Central Municipal	83,505	3,340	20,041
11	Ejisu Juaben	167,035	6,681	40,088
12	Bosomtwi	111,357	4,454	26,726
13	Atwima Kwanwoma	105,785	4,231	25,388
14	Kumasi Metro	2,015,497	80,620	483,719
15	Atwima Nwabiagya	172,596	6,904	41,423
16	Ahafo Ano South	139,188	5,568	33,405
17	Ahafo Ano North	111,361	4,454	26,727
18	Offinso Municipal	89,091	3,564	21,382
19	Afigya Kwabre	155,893	6,236	37,414
20	Kwabre East	133,625	5,345	32,070
21	Sekyere South	111,357	4,454	26,726
22	Mampong Municipal	100,216	4,009	24,052
23	Sekyere East	72,379	2,895	17,371
24	Sekyere Kumawu	77,948	3,118	18,708
25	Sekyere Central	83,515	3,341	20,044
26	Ejura Sekye Dumasi	100,214	4,009	24,051
27	Offinso North	66,808	2,672	16,034
28	Asokore Mampong Municipal	356,331	14,253	85,519
29	Asante Akim North	77,934	3,117	18,704
30	Sekyere Afram Plains North	33,407	1,336	8,018

Source: GSS 2010 Census (Projection)

1.3 Population Distribution by District, Brong Ahafo Region – 2017

No.	District	District Projection	Target Population <1 year and Expected Pregnancies (4%)	Target Population for WIFA (24%)
	All Districts	2,732,485	109,299	655,797
1	Asunafo South	112,259	4,490	26,942
2	Asunafo North	147,794	5,912	35,470
3	Asutifi North	63,031	2,521	15,127
4	Dormaa Municipal	134,151	5,366	32,196
5	Dormaa Central Municipal	60,242	2,410	14,458
6	Tano South District	93,093	3,724	22,342
7	Tano North District	95,830	3,833	22,999
8	Sunyani Municipal	145,110	5,804	34,826
9	Sunyani West District	101,307	4,052	24,314
10	Berekum Municipal	153,331	6,133	36,799
11	Jaman South District	109,527	4,381	26,287
12	Jaman North District	98,560	3,942	23,654
13	Tain District	104,037	4,161	24,969
14	Wenchi Municipal	106,779	4,271	25,627
15	Techiman Municipal	175,210	7,008	42,050
16	Nkoranza South District	109,517	4,381	26,284
17	Nkoranza North District	79,407	3,176	19,058
18	Atebubu Amantin District	125,940	5,038	30,226
19	Sene West District	68,456	2,738	16,429
20	Pru District	153,328	6,133	36,799
21	Kintampo South District	95,832	3,833	23,000
22	Kintampo North District	112,260	4,490	26,942
23	Dormaa West District	57,503	2,300	13,801
24	Asutifi South District	62,974	2,519	15,114
25	Techiman North District	71,183	2,847	17,084
26	Banda District	24,643	986	5,914
27	Sene East District	71,179	2,847	17,083

Source: GSS 2010 Census (Projection)

1.4 Population Distribution by District, Central Region – 2017

No.	District	District Projection	Target Population <1 year and Expected Pregnancies (4%)	Target Population for WIFA (24%)
	All Districts	2,500,695	100,028	600,167
1	Abura Asebu	125,806	5,032	30,194
2	Agona East	100,087	4,003	24,021
3	Agona West	133,742	5,350	32,098
4	Ajumako Enyan Essiam	149,108	5,964	35,786
5	Asikuma Odoben Brakwa	130,855	5,234	31,405
6	Assin North	188,548	7,542	45,252
7	Assin South	118,824	4,753	28,518
8	Awutu Senya East	126,583	5,063	30,380
9	Cape Coast Municipal	185,202	7,408	44,448
10	Effutu Municipal	79,979	3,199	19,195
11	Ekumfi	59,327	2,373	14,238
12	Ewutu Senya	100,625	4,025	24,150
13	Gomoa East	241,992	9,680	58,078
14	Gomoa West	154,976	6,199	37,194
15	KEEA	156,813	6,273	37,635
16	Mfantiman	158,119	6,325	37,949
17	Twifo Heman Lower Denkyira	64,155	2,566	15,397
18	Twifo Ati Morkwa	71,980	2,879	17,275
19	Upper Denkyira East	84,604	3,384	20,305
20	Upper Denkyira West	69,369	2,775	16,648

Source: GSS 2010 Census (Projection)

1.5 Population Distribution by District, Eastern Region – 2017

No.	District	District Projection	Target Population <1 year and Expected Pregnancies (4%)	Target Population for WIFA (24%)
	All Districts	3,110,369	124,415	746,489
1	Birim South	140,250	5,610	33,660
2	Birim Municipal	171,434	6,857	41,144
3	West Akim Municipal	127,784	5,111	30,668
4	Suhum Municipal	105,956	4,238	25,429
5	Nsawam Adoagyiri	102,844	4,114	24,683
6	Akwapim North	162,072	6,483	38,897
7	New Juaben	218,133	8,725	52,352
8	Yilo Krobo	102,858	4,114	24,686
9	Lower Manya	105,970	4,239	25,433
10	Asuogyaman	115,313	4,613	27,675
11	Upper Manya	84,153	3,366	20,197
12	Fanteakwa	127,771	5,111	30,665
13	East Akim	199,469	7,979	47,873
14	Kwabibrem	134,004	5,360	32,161
15	Akyem Mansa	115,313	4,613	27,675
16	Birim North	93,496	3,740	22,439
17	Atiwa	130,902	5,236	31,417
18	Kwahu South	81,023	3,241	19,446
19	Kwahu East	90,383	3,615	21,692
20	Kwahu West	112,208	4,488	26,930
21	Kwahu Afram Plains	121,541	4,862	29,170
22	Upper West Akyem	102,846	4,114	24,683

23	Akwapim South	43,635	1,745	10,472
24	Ayensuano	90,380	3,615	21,691
25	Denkyembuor	93,497	3,740	22,439
26	Kwahu Afram Plains South	137,133	5,485	32,912

Source: GSS 2010 Census (Projection)

1.6 Population Distribution by District, Greater Accra – 2017

No.	District	District Projection	Target Population <1 year and Expected Pregnancies (4%)	Target Population for WIFA (24%)
	All Districts	4,738,205	189,528	1,137,169
1	Ga South	501,872	20,075	120,449
2	Ga West	257,690	10,308	61,846
3	Ga East	172,243	6,890	41,338
4	Accra Metropolis	1,989,131	79,565	477,391
5	Adenta Municipal	90,012	3,600	21,603
6	Ledzokoku Municipal	264,938	10,598	63,585
7	Ashaiman Municipal	222,327	8,893	53,358
8	Tema Metropolis	340,002	13,600	81,600
9	Shai Osudoku	60,007	2,400	14,402
10	Ada East	82,920	3,317	19,901
11	Ga Central	135,953	5,438	32,629
12	La Dade Kotopon	213,075	8,523	51,138
13	La Nkwantang Madina	129,905	5,196	31,177
14	Kpone Katamanso	127,325	5,093	30,558
15	Ningo Prampram	82,261	3,290	19,743
16	Ada West	68,544	2,742	16,451

Source: GSS 2010 Census (Projection)

1.7 Population Distribution by District, Northern Region – 2017

No.	District	District Projection	Target Population <1 year and Expected Pregnancies (4%)	Target Population for WIFA (24%)
	All Districts	2,935,622	117,425	704,549
1	Bole	73,375	2,935	17,610
2	East Gonja	161,299	6,452	38,712
3	Central Gonja	102,680	4,107	24,643
4	Gushiegu	131,972	5,279	31,673
5	Karaga	90,929	3,637	21,823
6	Kpandai	129,054	5,162	30,973
7	Nanumba North	167,160	6,686	40,118
8	Nanumba South	111,456	4,458	26,749
9	Salvelugu Nantom	164,243	6,570	39,418
10	Sawla Tuna Kalba	117,323	4,693	28,158
11	Tamale Metropolis	263,979	10,559	63,355
12	Tolon	85,062	3,402	20,415
13	West Gonja	49,855	1,994	11,965
14	Yendi Municipal	140,800	5,632	33,792
15	Zabzugu	76,269	3,051	18,305
16	Saboba	79,194	3,168	19,007
17	Chereponi	64,528	2,581	15,487
18	Bunkpurugu Yonyo	143,720	5,749	34,493
19	Mamprusi East	143,720	5,749	34,493
20	Mamprusi West	143,725	5,749	34,494
21	North Gonja	52,798	2,112	12,672
22	Kumbungu	46,934	1,877	11,264

23	Sagnerigu Municipal	172,988	6,920	41,517
24	Mion	96,793	3,872	23,230
25	Tatale	70,397	2,816	16,895
26	Mamprugu Moagduri	55,728	2,229	13,375

Source: GSS 2000 Census (Projection)

1.8 Population Distribution by District, Upper East Region – 2017

No.	District	District Projection	Target Population <1 year and Expected Pregnancies (4%)	Target Population for WIFA (24%)
	All District	1,220,898	48,836	293,015
1	Builsa North	65,874	2,635	15,810
2	Kasena Nankana West	82,934	3,317	19,904
3	Kasena Nankana East	128,062	5,122	30,735
4	Bolgatanga Municipal	153,667	6,147	36,880
5	Talensi	95,131	3,805	22,831
6	Bongo	98,796	3,952	23,711
7	Bawku West	109,771	4,391	26,345
8	Garu Tempane	151,238	6,050	36,297
9	Bawku Municipal	114,650	4,586	27,516
10	Builsa South	42,688	1,708	10,245
11	Nabdam	39,038	1,562	9,369
12	Binduri	71,964	2,879	17,271
13	Pusiga	67,084	2,683	16,100

Source: GSS 2010 Census (Projection)

1.9 Population Distribution by District, Upper West Region – 2017

No.	District	District Projection	Target Population <1 year and Expected Pregnancies (4%)	Target Population for WIFA (24%)
	All Districts	813,933	32,557	195,344
1	Wa West	94,138	3,766	22,593
2	Wa Municipal	124,148	4,966	29,795
3	Wa East	83,579	3,343	20,059
4	Sissala East	65,729	2,629	15,775
5	Nadowli-Kaleo	71,405	2,856	17,137
6	Jirapa	102,253	4,090	24,541
7	Sissala West	57,617	2,305	13,828
8	Lambussie Karni	60,055	2,402	14,413
9	Lawra	63,304	2,532	15,193
10	Daffiama Bussie	38,142	1,526	9,154
11	Nandom	53,563	2,143	12,855

Source: GSS 2010 Census (Projection)

1.10 Population Distribution by District, Volta Region – 2017

No.	District	District Projection	Target Population <1 year and Expected Pregnancies (4%)	Target Population for WIFA (24%)
	All districts	2,499,936	99,997	599,985
1	South Tongu	104,931	4,197	25,183
2	Keta Municipal	174,893	6,996	41,974
3	Ketu South	189,887	7,595	45,573
4	Ketu North	117,466	4,699	28,192
5	Akatsi	116,636	4,665	27,993
6	Central Tongu	69,955	2,798	16,789
7	Agortime Ziope	32,474	1,299	7,794
8	Adaklu	42,417	1,697	10,180
9	Ho Municipal	209,871	8,395	50,369
10	South Dayi	54,976	2,199	13,194
11	Kpandu Municipal	62,463	2,499	14,991
12	Hohoe Municipal	197,377	7,895	47,370
13	Biakoye	77,451	3,098	18,588
14	Jasikan	69,954	2,798	16,789
15	Kadjebi	69,964	2,799	16,791
16	Krachi East	137,418	5,497	32,980
17	Krachi West	57,461	2,298	13,791

18	Nkwanta South	139,909	5,596	33,578
19	Nkwanta North	74,950	2,998	17,988
20	North Tongu	104,932	4,197	25,184
21	Akatsi North	37,279	1,491	8,947
22	Ho West	112,426	4,497	26,982
23	Afadjato South	112,425	4,497	26,982
24	North Dayi	47,469	1,899	11,393
25	Krachi Nchumuru	84,951	3,398	20,388

Source: GSS 2010 Census (Projection)

1.11 Population Distribution by District, Western Region – 2017

No.	District	District Projection	Target Population <1 year and Expected Pregnancies (4%)	Target Population for WIFA (24%)
	All Districts	2,965,029	118,601	711,607
1	Jomoro	186,752	7,470	44,820
2	Ellembello	109,704	4,388	26,329
3	Nzema East	77,135	3,085	18,512
4	Ahanta West	133,428	5,337	32,023
5	Sekondi Takoradi	696,777	27,871	167,227
6	Shama	100,816	4,033	24,196
7	Wassa East	100,811	4,032	24,195
8	Tarkwah Nsuam Municipal	112,672	4,507	27,041
9	Prestea Huni Valley	198,656	7,946	47,677
10	Wassa Amenfi East	103,780	4,151	24,907
11	Wassa Amenfi West	115,639	4,626	27,753
12	Aowin	148,242	5,930	35,578
13	Sefwi Akontombra	103,775	4,151	24,906
14	Sefwi Wiawso	174,946	6,998	41,987
15	Sefwi Bibiani Ahwiaso Bekwai	154,187	6,167	37,005
16	Sefwi Juaboso	74,116	2,965	17,788
17	Bia West	106,747	4,270	25,619
18	Mpohor	53,377	2,135	12,811
19	Wassa Amenfi Central	85,980	3,439	20,635
20	Suaman	26,685	1,067	6,404
21	Bodi	65,227	2,609	15,654
22	Bia East	35,575	1,423	8,538

Source: GSS 2010 Census (Projection)

2.0 Vital Statistics

2.1 Health Status Indicators

Indicator	1988	1993	1998	2003	2008	2014
Infant Mortality Rate (per 1,000 live births)	77	66	57	64	50	41
Under 5 Mortality Rate (per 1,000 live births)	155	119	108	111	80	60
Neonatal Mortality Rate (per 1,000 live births)	44	41	30	43	30	29
Post-Neonatal Mortality Rate (per 1,000 live births)	33	26	27	21	21	13
Child Mortality	84	57	54	50	31	19
Crude Birth Rate (per 1,000)	47	44	39	33	29	30.6
Crude Death Rate (per 1,000)	17	12.5	10	10	9.4	8.5
Life Expectancy at birth (in years)	54	55.7	57	58	60	62
Total Fertility Rate	6.4	5.5	4.6	4.4	4.0	4.2

Source: GGDHS, 1988, 1993, 1998, 2003, 2008, 2014

: WHO – Atlas Health Statistics 2014, World Data Atlas

2.2 Total Fertility Rate by Region

Region	1988	1993	1998	2003	2008	2014
Western	6.1	5.5	4.7	4.5	4.2	3.6
Central	6.6	5.6	4.8	5.0	5.4	4.7
Greater Accra	4.6	3.6	2.7	2.9	2.5	2.8
Volta	6.7	5.4	4.4	4.4	3.8	4.3
Eastern	5.7	5.1	4.4	4.3	3.6	4.2
Ashanti	5.9	5.6	4.5	4.1	3.6	4.2
Brong Ahafo	6.9	5.5	5.4	4.8	4.1	4.8
Northern	6.8	7.4	7.0	7.0	6.8	6.6
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	5.2
National	6.4	5.5	4.6	4.4	4.0	4.2
Rural	6.6	6.4	5.4	5.6	4.9	5.2
Urban	5.1	4.0	3.0	3.1	3.1	3.4

Source: GDHS 1988, 1993, 1998, 2003, 2008, 2014

2.3 Percentage of Population with no Education

Region	1988	1993		1998		2003		2008		2014	
	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
Western	43.6	17.8	34.1	11.8	29.6	7.3	22.3	6.1	13.9	5.1	14.2
Central	47.6	18.5	35.6	13.4	32.7	9.3	25.2	6.6	16.2	5.1	15.1
Greater Accra	21.9	9.8	19.4	9.4	19.6	5.8	12.4	3.5	7.7	2.9	8.3
Volta	38.0	20.8	34.3	19.3	31.4	7.9	20.7	8.4	22.9	4.7	19.1
Eastern	27.6	16.9	27.1	12.1	22.8	7.9	15.9	2.5	10.7	1.8	10.4
Ashanti	30.0	17.4	33.0	13.2	30.0	9.4	16.8	6.6	9.9	4.6	10.8
Brong Ahafo	42.8	21.7	30.8	20.4	32.6	14.2	27.4	17.1	24.9	10.1	20.5
Northern	81.7	62.0	75.9	63.8	79.7	59.5	78.8	48.4	65.7	47.4	65.8
Upper East	81.7	50.9	66.5	57.4	69.4	48.9	72.4	34.4	49.0	23.5	40.0
Upper West	81.7	56.9	67.9	59.0	68.4	44.9	63.3	30.2	48.1	30.7	48.7
National	39.7	26.2	38.3	20.6	34.0	17.6	28.2	13.3	21.2	9.4	19.1
Rural	46.4	32.9	46.8	25.5	39.8	25.4	39.5	19.9	30.8	15.3	28.5
Urban	26.7	12.2	22.3	10.4	22.4	8.0	16.3	5.6	10.9	4.1	11.0

Source: GDHS 1988, 1993, 1998, 2003, 2008, 2014

2.4 Infant and Under Five Mortality Rate

Region	Infant Mortality Rate						Under Five Mortality Rate					
	1988	1993	1998	2003	2008	2014	1988	1993	1998	2003	2008	2014
Western	76.9	76.3	68.0	66.0	51.0	40.0	151.2	131.8	109.7	109.0	65.0	56.0
Central	138.3	71.6	83.8	50.0	73.0	48.0	208.2	128.0	142.1	90.0	108.0	69.0
Greater Accra	57.7	58.4	41.4	45.0	36.0	37.0	58.4	41.4	45.0	36.0	50.0	47.0
Volta	73.5	77.8	53.8	75.0	37.0	42.0	132.7	116.4	98.0	113.0	50.0	61.0
Eastern	70.1	55.9	50.2	64.0	53.0	43.0	138.1	93.2	89.1	95.0	81.0	68.0
Ashanti	69.8	65.2	41.9	80.0	54.0	63.0	144.2	97.6	78.2	116.0	80.0	80.0
Brong Ahafo	65.0	48.7	77.3	58.0	37.0	38.0	122.6	94.6	128.7	91.0	76.0	57.0
Northern	103.1	113.7	70.1	69.0	70.0	53.0	221.8	237.0	171.3	154.0	137.0	111.0
Upper East	103.1	105.0	81.5	33.0	46.0	46.0	221.8	180.1	155.3	79.0	78.0	72.0
Upper West	103.1	84.5	70.6	105.0	97.0	64.0	221.8	187.7	155.6	208.0	142.0	92.0
National	77	66	57	64	50	41	155	119	108	111	80	60
Rural	86.8	82.2	67.5	70.0	56.0	46.0	162.5	149.2	122.0	118.0	90.0	75
Urban	66.9	54.9	42.6	55.0	49.0	49.0	131.1	89.9	76.8	93.0	75.0	64

Source: GDHS 1988, 1993, 1998, 2003, 2008 2014

2.5 Demographic and Socioeconomic Indicators

	Indicator	Ghana Value	Africa Average e\$	Global Average \$
1	Population density (per sq. km) (2010 pop census)	103.4	N/A	N/A
2	Population age structure (%) (<u>male</u>)(2010 pop census)	49.0	N/A	N/A
3	Population age structure (%) (<u>female</u>)(2010 pop census)	51.0	N/A	N/A
4	Median age of population (2010 pop census)	20	19.0	30.0
5	Proportion of population below 15 years (%) (2010 pop census)	39.3	42.0	26.0
6	Proportion of population above 60 years (%) (2010 pop census)	6.5	5.0	12.0
7	Proportion of population living in urban areas (%) (2010 pop census)	49.0	38.0	53.0
8	Coverage of birth registration (%) (2014)*	70.5	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 (2013)§	261	343	124
11	Adult mortality rate (15 - 60 years) per 1,000 population – female (2013)§	222	298	187
13	Life expectancy at birth (<u>male</u>) (2013)§	62	56	70
14	Life expectancy at birth (<u>female</u>) (2010)§	64	59	68
15	Life expectancy at birth (<u>both sexes</u>) (2010)§	62	58	73
16	Net primary school attendance ratio - <u>male</u> (%) (2014)*	69.6	80.0	92
17	Net primary school attendance ratio - <u>female</u> (%) (2014)*	69.6	76.0	90
18	Total gross domestic product (2014)§	\$90.41bil l	N/A	N/A
19	Gross domestic product per capita (2014)§	\$4,100	N/A	N/A
20	Annual economic growth rate (%) (2014)§	4.2	N/A	N/A
22	Population living on less than 1 US\$ dollar per day (2014)§	28.6	47.0	14.6

NA: Not available

Source:

§World Health Statistics 2015 – WHO;

**Population and Housing Census 2010 GSS (2013)

* GDHS 2014

§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§	Global Average§
1	Adolescent fertility rate (per 1,000 girls aged 15-19 years) (2014)*	76.3		
2	Unmet need for family planning (%) (2014)*	29.9	25	12
3	Prevalence of HIV among adults aged 15 - 24years (2014)	0.8	N/A	N/A
4	Proportion of <u>males</u> aged 15-24 years with comprehensive correct knowledge of HIV/AIDS (%) (2014)*	27.2	N/A	N/A
5	Proportion of <u>females</u> aged 15-24 years with comprehensive correct knowledge of HIV/AIDS (%) (2014)*	19.9	N/A	N/A
6	Antiretroviral therapy coverage among people with advanced HIV infection (%) (2012)	58	63	61
7	Malaria mortality rate per 100,000 population (2012)§	69	63	11
8	Children aged less than 5 years sleeping under insecticide-treated bed-nets (%) (2014)*	47.0	25	N/A
9	Children aged less than 5 years who received any antimalarial treatment for fever (%) (2014)*	48.5	N/A	N/A
10	Access to improved drinking-water sources (%) (2014)*	89.8	66.0	90.0
11	Access to improved sanitation (%) (2014)*	14.0	33.0	64.0
12	Infants exclusively breastfed for the first 6 months of life (2014)*	36.2		
13	Alcohol consumption among adults aged 15 years and above (liters per person per year) (2010)§	4.8	6.0	6.2
14	Prevalence of tobacco use – <u>male</u> (%) (2014)*	5.1	24.2	36.1
15	Prevalence of tobacco use – <u>female</u> (%) (2014)*	0.4	2.4§	6.8

NA: Data Not Available

Source: *GDHS 2014, §World Health Statistics 2015 - WHO

2.7 Health Expenditure Indicators

	Indicator	Ghana Value	Africa Average	Global Average
1	Total expenditure on health as % of gross domestic product (2012)	5.2	5.6	8.6
2	General government expenditure on health as % of total expenditure on health (2011)	68.3	50.8	38.8
3	Private expenditure on health as % of total expenditure on health (2011)	31.7	49.2	42.3
4	General government expenditure on health as % of total government expenditure (2011)	10.6	11.4	14.1
5	Out-of-pocket expenditure on health as % of private expenditure on health (2011)	91.9	60.6	52.6
6	Per capita total expenditure on health at average exchange rate (US\$) (2011)	86.0	105	1,025
7	Per capita government expenditure on health at average exchange rate (US\$) (2011)	59	53	615

Source: World Health Statistics 2015 - WHO

3.0 Health Infrastructure

3.1 Health Facilities by Type, 2016

Region	CHPS	Clinic	District Hospital	Health Centre	Hospital	Midwife / Maternity	Mines	Polyclinic	Psychiatric Hospital
Ashanti	1041	130	25	135	96	73	0	1	0
Brong Ahafo	458	102	18	90	12	41	0	4	0
Central	235	67	12	61	16	35	0	2	1
Eastern	611	116	17	99	14	25	0	2	0
Greater Accra	201	283	6	28	76	85	0	13	2
Northern	386	56	15	96	13	9	0	4	0
Upper East	225	50	6	53	1	2	0	0	0
Upper West	208	14	3	68	8	5	0	5	0
Volta	350	40	17	161	11	16	0	3	0
Western	470	145	18	64	20	37	3	0	0
National	4185	1003	137	855	267	328	3	34	3

3.2 Number of Hospital Beds by Region and Ownership – 2016

Organisation unit	CHAG	Government	Other Faith-Based	Private	Quasi-Government	Total	%By Region
Ashanti	64	764	0	244	3	1075	15.2
Brong Ahafo	28	687	0	108	0	823	11.6
Central	37	353	0	73	3	466	6.6
Eastern	20	873	0	80	2	975	13.8
Greater Accra	5	375	1	423	24	828	11.7
Northern	21	585	0	34	4	644	9.1
Upper East	18	321	0	29	1	369	5.2
Upper West	20	323	0	11	1	355	5.0
Volta	20	594	0	48	1	663	9.4
Western	24	706	0	149	12	891	12.6
Ghana	257	5581	1	1199	51	7089	100.0
%BY Ownership	3.6	78.7	0.0	16.9	0.7	100.0	

Source: CHIM/PPME-GHS

NB: Data for Quasi Government, Islamic and Private Hospitals are incomplete

3.3 Distribution of Health Professionals by Region – 2015

CATEGORIES 2015	ASH	BAR	CR	ER	GAR	NR	UER	UER	VR	WR	Total
Accountant	168	104	62	95	192	17	16	29	76	68	827
Accounts Officer	142	164	118	236	278	26	20	47	134	85	1250
Administrative Manager	41	41	38	33	48	5	4	2	25	22	259
Architect	1	1	14		5			2	5		28
Artisan	59	60	94	84	63	6	20	18	165	59	628
Audiologist								4			4
Audit Officer	12	3	7	8	10	3	1	1	2	3	50
Auditor	17	18	15	23	30	5	4	5	20	22	159
Biomedical Scientist	99	59	88	104	146	12	8	33	94	73	716
Biostatistics Assistant	143	134	145	171	258	21	33	48	161	173	1287
Biostatistics Officer	31	25	20	15	6	9	1	3	21	22	153
Blood Bleeder	1		2	6	1		1	2	6	4	23
Blood Donor Organiser	1		4	7			2	2	3	4	23
Caretaker	1	2	4	2	9				8		26
Catering Officer	2		27	17	29	2	1	4	14	13	109
Chief Executive Officer	7	4	5	5	14			1		5	41
Clinical Engineering Manager	2	1	3		6			2	15	3	32
Clinical Psychologist	19	1	5	3	7		1	1	5	3	45
Community Health Nurse	2312	2170	1685	3078	2565	357	696	1005	2383	1546	17797
Consultant (Doctors)	38	22	18	7	45	7	4	2	11	10	164
Cook	8	4	104	92	107	8	8	31	66	57	485
Dental Clinic Assistant	11	3	4	12	39	2	2		15	13	101
Dental Technician	12	7	15	12	14		1	3	8	10	82
Dental Technologist	4	2	4	2	5		2		2		21
Dental Therapist	16		2		4					1	23
Deputy Director	3	9	4	10	21			4	4	12	67
Diet Cook			12	1	26				1		40
Dietician	5	1	6	5	7		1		4	1	30
Director	4	7	5	4	8		1	4	1	4	38
Dispensing Assistant	131	150	116	288	161	42	38	44	291	145	1406
District Director	6	35	4	12	4	1	1	2		4	69
Driver	89	124	93	165	126	22	18	49	91	68	845
Emergency Medical Technician			3		22				2	31	58

Enrolled Nurse	2282	1642	1752	1733	2446	1045	369	1141	1285	2077	15772
Environmental Health Assistant		4			26		3	4	2	1	40
Environmental Health Officer	4	9	2	3	17	1	4	2	1		43
Environmental Health Technologist	1	1	5		14			1		1	23
Estate Manager	5	3	2	3	5		1	2	1	4	26
Estate Officer	3	11	12	16	9	4	4	4	13	8	84
Executive Officer	32	33	25	30	26	9	2	12	34	9	212
Field Technician	147	258	81	183	76	26	36	122	33	71	1033
Finance Officer	73	54	59	77	77	21	4	35	90	52	542
Health Assistant	875	906	723	572	632	64	87	189	506	432	4986
Health Education Officer		6	1	1	82	1	10	3			104
Health Educator	9	9	4	2	2			1	4	3	34
Health Intern	65	3	16	46	40						170
Health Planner		2									2
Health Research Officer		2		1	5		1	2	1		12
Health Service Administrator	37	18	35	56	54	10	6	21	35	30	302
Health Tutor		5	1	2	3						11
Hostel Warden		3		2	3						8
Housekeeper		3	3	1	4				2	44	57
Human Resource Manager	10	15	15	10	8		2	2	12	2	76
IT Manager	20	16	13	17	22	1		8	13	13	123
Laboratory Assistant	108	127	111	96	115	27	32	31	88	77	812
Labourer	119	227	115	226	123	31	47	65	110	149	1212
Launderer	37	35	60	58	56	8	8	14	64	48	388
Librarian	5		5					1			11
Lift Operator				2							2
Mechanical Engineer		2		2							4
Medical Assistant	76	109	38	85	19	17	20	35	58	38	495
Medical Director	9	11	7	11	48	1		2	7	9	105
Medical Officer	145	121	203	141	346	20	24	28	135	80	1243
Medical Officer	7	28	81	38	286	1	16	3	49	28	537
Medical Superintendent	26	11	18	27	18	9	4	5	9	28	155
Messenger	2	7	2	5	18		2	1		1	38
Midwife	1081	759	550	1000	1410	105	208	348	726	621	6808
Mortuary Attendant	23	30	65	89	26	5	3	6	72	32	351

Nutrition Officer	16	35	9	8	11	1	8	4	4	6	102
Occupational Therapist					1						1
Occupational Therapist Assistant					9						9
Optician	11	4	11	8	4		2	1	3		44
Optometrist	23	14	20	30	22		2	3	14	5	133
Orderly	575	384	467	1256	777	100	84	152	992	379	5166
Others	204	576	251	379	308	70	58	105	289	255	2495
Personnel Officer		1	4	9	5				1	9	29
Pharmacist	93	48	59	88	140	10	14	14	55	49	570
Pharmacy Technician	238	122	83	115	126	13	24	16	51	110	898
Physician Assistant	195	118	124	224	256	36	39	46	116	170	1324
Physiotherapist	8	5	12	17	21		4	3	13	13	96
Physiotherapist Assistant	23	16	27	28	23		7	8	12	11	155
Porter			12	2	8				28	1	51
Private Secretary	4	7	5	10	14	1		3	16	11	71
Procurement Manager	7	7	15	17	46	2	4	4	13	7	122
Professional Nurse	1672	859	1315	1785	2829	273	439	495	1438	538	11643
Prosecutor	3	1	1		3				2	2	12
Quantity Surveyor					2						2
Radiographer	8	7	20	14	20	1	1	5	13	8	97
Receptionist/Telephonist	16	6	22	19	35	2	1	3	25	12	141
Records Officer	67	102	121	146	136	38	35	51	63	140	899
Revenue Collector	47	11	41	97	74	15	4	11	23	42	365
Seamstress	13	8	8	9	8			5	10	4	65
Security Guard	129	77	187	204	181	14	15	24	109	74	1014
Specialist (Doctors)	69	25	89	42	185	6	10	5	54	34	519
Statistician	2	3	3	2	4	2		2	1	4	23
Stenographer	53	25	26	29	66	5	7	8	15	21	255
Sterilisation Machine Operator	11	11	15	6	19	1		8	17	4	92
Storekeeper	32	36	25	31	47	5	6	11	30	35	258
Supply Officer	39	24	25	82	53	3	1	9	27	29	292
Technical Assistant	14	12	15	17	13	1	2	4	10	14	102
Technical Officer CDC											0
Technical Officer	53	62	48	60	47	5	2	8	78	32	395
Technical Officer											0
Technical Officer	30	122	17	42	20	6	6	21	3	16	283

Technical Officer	39	72	42	86	39	8	17	16	49	25	393
Technical Officer	60	77	48	113	113	12	13	24	86	58	604
Technical Officer	24	48	6	16	24	1	1	9	5	3	137
Technical Officer				12					1		13
Technical Officer	9	11	10	20	23		1	7	8	18	107
Technician	1	1	5	11	1				3	1	23
Technician	3	2	6	8		1	1		14	6	41
Technologist	1	1	3	8	1				1	1	16
Technologist	2	1	4				3		2	2	14
Transport Manager		2			1						3
Transport Officer	1	9	2	2	2				3	3	22
Typist	41	58	19	42	14	2	10	8	44	16	254
Watchman	140	343	96	246	121	60	60	185	196	133	1580

Source: DHIMS2-HRD-GHS

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

3.4 Doctor to Population Ratio

REGION	2016		2015		2014		2013	
	Number of Doctors	Doctor Population Ratio	Number of Doctors	Doctor Population Ratio	Number of Doctors	Doctor Population Ratio	Number of Doctors	Doctor Population Ratio
Ashanti	708	7,848	673	7,139	541	9,830	558	9,280
Brong Ahafo	231	11,495	226	15,621	145	17,455	148	16,695
Central	266	9,732	246	18,588	114	21,823	111	21,700
Eastern	218	13,798	214	16,052	171	16,733	159	17,582
Greater Accra	1316	3,582	1258	3,136	1651	2,744	1356	3,240
Northern	216	13,419	208	18,380	117	23,759	131	20,685
Upper East	45	25,878	45	24,722	34	32,285	40	27,391
Upper West	42	18,986	41	31,148	21	36,048	19	38,692
Volta	192	12,749	187	18,389	114	20,510	111	20,625
Western	131	20,659	137	27,530	108	23,814	97	26,048
National	3365	8481	3263	8,808	3016	9,043	2,730	9,749

REGION	2012		2011		2010		2009		2008	
	Number of Doctors	Doctor Population Ratio	Number of Doctors	Doctor Population Ratio	Number of Doctors	Doctor Population Ratio	Number of Doctors	Doctor Population Ratio	Number of Doctors	Doctor Population Ratio
Ashanti	630	7,793	630	7,793	684	7,184	589	8,288	495	9,861
Brong Ahafo	154	15,352	154	15,352	99	22,967	134	16,919	103	22,012
Central	107	21,216	107	21,216	113	18,218	84	22,877	72	26,689
Eastern	166	16,195	166	16,195	163	15,801	148	16,132	134	17,817
Greater Accra	1085	3,810	1085	3,810	935	4,099	839	5,103	827	5,177
Northern	117	21,801	117	21,801	134	18,257	46	50,751	33	70,744
Upper East	27	39,226	27	39,226	33	31,214	29	35,010	30	33,843
Upper West	18	39,747	18	39,747	25	27,050	14	47,932	15	44,736
Volta	91	23,859	91	23,859	64	32,605	73	26,538	68	28,490
Western	91	26,632	91	26,632	75	31,190	77	33,187	78	32,761
National	2,477	10,209	2,477	10,209	2,325	10,423	2,033	11,929	1855	13,074

Source: HRD, GHS

Regions	Community Health Nurses	Enrolled Nurses	Midwife	Medical Officers	Pharmacist	Registered General Nurses	Total
Ashanti	2,292	3,278	1,631	847	154	2,400	10,602
Brong Ahafo	1,359	1,589	774	229	44	1,119	5,114
Central	1,562	1,691	615	272	36	1,330	5,506
Eastern	1,939	1,371	762	218	55	1,095	5,440
Greater Accra	1,882	2,288	1,135	1,259	184	3,243	9,991
Northern	898	2,735	626	211	32	1,333	5,835
Upper East	1,029	1,041	398	41	13	811	3,333
Upper West	659	1,031	369	40	14	403	2,516
Volta	1,613	1,220	714	206	43	866	4,662
Western	1,558	1,863	638	110	44	639	4,852
Total	14,791	18,107	7,662	3,433	619	13,239	57,851

Regions	Population	Total nurses	Population to nurse ratio	Population to Doctor Ratio	Pharmacist to population ratio	Midwife WIFA
Ashanti	5490543.7	7,970	689	6,482	35,653	808
Brong Ahafo	2723048	4,067	670	11,891	61,887	844
Central	2507668	4,583	547	9,219	69,657	979
Eastern	3099637	4,405	704	14,219	56,357	976
Greater Accra	4721891	7,413	637	3,751	25,662	998
Northern	2927959	4,966	590	13,877	91,499	1,123
Upper East	1216681	2,881	422	29,675	93,591	734
Upper West	811122	2,093	388	20,278	57,937	528
Volta	2491439	3,699	674	12,094	57,940	837
Western	2954789	4,060	728	26,862	67,154	1,112
Total	28,944,778	46,137	627	8,431	46,761	907

Source: HRD-GHS, Half Year 2017

Medical Officers include Specialist, Consultants, Medical Supt., Medical Directors, Medical Officers and House Officers

3.5 Nurse to Population Ratio

REGION	2016		2015		2014		2013		2012	
	Number of Nurses	Nurse Population Ratio	Number of Nurses	Nurse Population Ratio	Number of Nurses	Nurse Population Ratio	Number of Nurses	Nurse Population Ratio	Number of Nurses	Nurse Population Ratio
Ashanti	9,182	605	8,572	633	7170	1,088	2,308	2,244	2,096	1,550
Brong Ahafo	4,629	574	4,006	647	2993	1,132	815	1,072	720	1,470
Central	5,214	496	4,570	553	3735	996	960	1,046	858	1,250
Eastern	4,901	614	4,618	636	4142	900	1,117	1,214	1,019	1,237
Greater Accra	8,785	537	8,540	539	7722	764	3,508	1,904	3,336	917
Northern	5,557	522	5,214	543	4438	1,255	1,067	1,170	900	1,601
Upper East	3,291	354	3,017	377	2256	669	604	470	505	930
Upper West	2,273	351	2,103	370	1397	813	311	322	288	941
Volta	4,211	581	3,869	618	3237	925	785	988	712	1,244
Western	4,562	593	4,430	597	3772	1,077	770	1,092	691	1,422
National	52,605	542	48,939	569	40859	959	2,308	2,172	11,125	1,251

REGION	2011		2010		2009		2008	
	Number of Nurses	Nurse Population Ratio	Number of Nurses	Nurse Population Ratio	Number of Nurses	Nurse Population Ratio	Number of Nurses	Nurse Population Ratio
Ashanti	1,789	1,568	4,252	1,156	4,161	1,173	3,533	1,382
Brong Ahafo	672	1,495	1,826	1,245	2,283	993	1,940	1,169
Central	713	1,309	1,715	1,200	2,369	881	2,104	913
Eastern	921	1,173	2,703	953	2,871	832	2,454	973
Greater Accra	2,941	1,255	4,793	800	4,897	874	4,656	919
Northern	785	1,547	1,716	1,426	1,708	1,367	1,480	1,577
Upper East	424	914	1,112	926	1,262	805	1,051	966
Upper West	259	950	803	842	895	750	758	885
Volta	659	1,242	1,914	1,090	2,421	800	2,132	909
Western	614	895	1,673	1,398	2,107	1,213	1,753	1,458
National	9,777	1,240	22,507	1,077	24,974	971	21,861	1,109

Source: CHIM/HRD, GHS

3.6 Hospital Bed Utilization Statistics

Region	Percentage Occupancy									Average Length of Stay								
	2016	2015	2014	2013	2012	2011	2010	2009	2008	2016	2015	2014	2013	2012	2011	2010	2009	2008
Ashanti	40	39.6	55.1	78.1	53.5	50.4	69.4	65.5	63.3	2.6	2.6	2.6	2.7	2.8	2.6	3.9	4	4.2
Brong Ahafo	62.4	59.7	69.1	74.3	55.4	63.5	62.2	57.9	60.5	3.2	3	3.2	3.2	3.5	3.6	3.8	3.5	3.9
Central	53	49.7	46.9	43.3	66.5	56.4	50.5	51.4	52.5	3.4	3.2	3.1	3.6	4.6	4.5	3.6	3.5	4
Eastern	62.2	66.1	60.3	56.7	56.7	59.6	57.4	55.9	55.6	4	4.3	3.9	3.7	3.7	4.1	4.2	4.2	4.4
Greater Accra	72.4	70.3	77.5	63.1	116.6	87.7	86.1	78.3	72	4.5	4.4	4.7	4.2	5.6	4.7	6.4	6	6.4
Northern	29.7	28.3	76.4	70.2	82.2	82.2	71	59.1	61.3	2.7	2.6	2.6	2.5	2.8	2.9	3	2.2	2.7
Upper East	61.9	61.5	60.2	58.3	64	60.1	52.5	49.7	42.2	3	3	3.3	2.8	2.8	2.7	2.7	2.8	2.9
Upper West	74.4	69.5	71.7	68.5	79.6	72.6	66.1	62.1	59.4	3.5	3.5	3.1	3.3	2.8	3.2	3.5	3.5	3.4
Volta	58.5	60.6	61.2	52.4	66.5	61	52.9	54.1	51.1	3.6	3.6	3.5	3.9	4.1	4.2	4.2	4.5	4.9
Western	58.4	51.1	49.3	58.4	48.3	56.9	53.8	52	51.5	2.7	2.8	2.8	3	2.8	3.2	3.3	3.3	3.7
National	51.6	50.6	61.3	61.5	64.5	51.4	63.2	59.8	58.3	36.4	3.2	3.2	3.2	3.5	3.6	3.9	3.8	4.2

Region	Turnover Per Bed									Turnover Interval								
	2016	2015	2014	2013	2012	2011	2010	2009	2008	2016	2015	2014	2013	2012	2011	2010	2009	2008
Ashanti	2.7	2.7	99.1	104.1	70.6	71.3	64.6	59.7	54.7	4.03	4.3	2.7	0.8	2.4	2.5	1.7	2.1	2.5
Brong Ahafo	3.1	3.1	98.1	85.6	57.4	65	60.5	59.8	56.6	1.61	2.0	3	1.1	2.8	2	2.3	2.6	2.6
Central	3	3	98.6	44.4	53	48.1	51	54.2	47.9	2.82	3.4	3.1	4.7	2.3	2.9	3.5	3.3	3.6
Eastern	4.1	4.1	98.5	56.3	56.3	52.9	49.7	49	46.1	2.52	1.9	4.9	2.8	2.8	2.8	3.1	3.3	3.5
Greater Accra	4.6	4.6	96.9	54.7	76.4	68	49.5	47.3	41.4	1.32	1.6	5.3	2.5	-0.8	0.7	1	1.7	2.5
Northern	2.9	2.9	98.7	101.9	106	100	87.8	98.2	81.6	7.25	7.2	2.8	1.1	0.6	0.6	1.2	1.5	1.7
Upper East	3.2	3.2	97.4	76.5	82.3	80	72	65	52.8	2.18	1.8	3.5	2	1.6	1.8	2.4	2.8	4
Upper West	3.7	3.7	98.5	75.9	102.4	83.1	68.9	64	63.2	1.14	1.4	3.7	1.5	0.7	1.2	1.8	2.2	2.4
Volta	3.6	3.6	99.1	49.1	60	52.9	46.3	44.1	38.4	2.14	2.1	3.4	3.5	2	2.6	3.7	3.8	4.7
Western	2.8	2.8	98.7	71.8	62.7	65.4	60.3	57	50.6	2.84	2.8	2.5	2.1	3	2.4	2.8	3.1	3.5
National	3.3	3.3	99.7	70.1	68	68.7	58.8	57.1	51.1	3.02	3.2	3.3	2	1.9	2	2.3	2.6	3

Source: CHIM/PPME-GHS

4.0 Health Service Outputs

4.1 Number of Outpatient Attendance by Region

Region	2016	2015	2014	2013	2012	2011	2010	2009
Ashanti	4866381	4,806,143	274,623	256,377	234,092	206,415	225,629	207,089
Brong Ahafo	4130672	4,201,032	196,098	172,945	165,801	135,478	123,187	111,521
Central	2719863	2,748,734	111,696	105,719	103,453	83,030	79,562	77,620
Eastern	3591370	3,779,918	167,945	170,622	172,819	149,163	139,159	127,050
Greater Accra	3639885	3,529,438	119,394	122,761	119,432	99,734	132,975	112,314
Northern	1974721	2,029,126	195,484	190,010	186,069	155,020	118,499	116,818
Upper East	2086391	1,960,205	71,581	81,779	87,349	71,825	66,538	56,324
Upper West	942999	855,888	72,858	62,225	62,690	58,106	51,605	44,287
Volta	2373364	2,430,368	164,888	143,582	125,588	112,866	101,653	93,829
Western	3415962	3,608,321	159812	153,435	149,276	132,651	121,263	115,246
National	29,741,608	29,949,173	1534379	1,459,455	1,406,569	1,204,288	1,160,070	1,062,098

Region	2008	2007	2006	2005	2004	2003	2002
Ashanti	3,427,329	3,272,767	1,912,396	1,502,660	1,350,769	1,248,955	2,226,059
Brong Ahafo	2,869,659	2,193,079	900,881	875,734	860,430	824,193	1,190,139
Central	1,281,602	1,293,818	1,477,204	1,278,852	1,186,311	1,057,649	734,932
Eastern	2,279,528	2,186,024	1,785,471	1,828,929	1,779,887	1,621,972	984,570
Greater Accra	2,105,980	2,352,191	652,054	681,667	638,455	526,678	1,639,943
Northern	1,113,699	685,085	538,202	561,182	565,659	561,455	536,880
Upper East	1,018,813	689,124	290,449	339,923	307,946	289,252	604,645
Upper West	459,309	420,775	745,979	750,000	735,727	664,788	294,325
Volta	1,378,484	958,330	1,324,909	1,114,579	1,128,674	964,450	610,526
Western	2,140,855	1,724,606	2,613,618	2,711,662	2,517,396	2,459,629	931,615
National	18,075,258	15,775,799	12,241,163	11,650,188	11,071,254	10,219,021	9,753,634

Source: CHIM/PPME-GHS
DHIMS2, GHS

4.2 Outpatient Attendance per Capita

Region	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007	2006	2005	2004	2003	2002
Ashanti	0.89	0.87	0.92	0.9	0.96	1.1	1.04	0.89	0.73	0.72	0.59	0.63	0.61	0.62	0.58
Brong Ahafo	1.5	1.6	1.8	1.7	1.63	1.4	1.25	1.15	1.3	1.02	0.91	0.73	0.67	0.64	0.62
Central	1.1	1.1	1	1	1	0.97	0.81	0.71	0.68	0.7	0.5	0.5	0.5	0.49	0.44
Eastern	1.2	1.3	1.2	1.3	1.38	1.1	1.04	0.95	0.97	0.94	0.65	0.57	0.53	0.48	0.45
Greater Accra	0.78	0.75	0.82	0.8	0.95	0.67	0.97	0.51	0.51	0.6	0.47	0.51	0.52	0.49	0.52
Northern	0.68	0.7	0.79	0.7	0.7	0.74	0.54	0.53	0.49	0.31	0.3	0.33	0.31	0.27	0.28
Upper East	1.7	1.8	1.8	2.1	1.99	1.7	1.47	1.37	1.01	0.69	0.55	0.58	0.59	0.59	0.64
Upper West	1.2	1.1	1.3	1.2	1.12	1.4	0.91	0.72	0.7	0.65	0.46	0.54	0.5	0.48	0.49
Volta	0.97	1	1.2	1.1	1.01	0.74	0.76	0.69	0.73	0.51	0.41	0.42	0.42	0.38	0.36
Western	1.2	1.4	1.4	1.4	1.44	1.1	1.16	0.69	0.86	0.72	0.57	0.49	0.52	0.46	0.45
National	1	1.1	1.1	1.16	1.14	1	0.98	0.81	0.77	0.69	0.55	0.54	0.52	0.5	0.49

Source: CHIM/PPME-GHS

DHIMS2, GHS

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

4.3 Number of Inpatient Admissions by Region 2015

Region	2016	2015	2014	2013	2012	2011	2010	2009
Ashanti	286661	283,414	274,623	256,377	234,092	206,415	225,629	207,089
Brong Ahafo	181540	184,376	196,098	172,945	165,801	135,478	123,187	111,521
Central	111815	111,908	111,696	105,719	103,453	83,030	79,562	77,620
Eastern	182695	170,784	167,945	170,622	172,819	149,163	139,159	127,050
Greater Accra	118899	111,219	119,394	122,761	119,432	99,734	132,975	112,314
Northern	186159	183,775	195,484	190,010	186,069	155,020	118,499	116,818
Upper East	82954	80,203	71,581	81,779	87,349	71,825	66,538	56,324
Upper West	68122	59,852	72,858	62,225	62,690	58,106	51,605	44,287
Volta	150371	153,041	164,888	143,582	125,588	112,866	101,653	93,829
Western	163629	163,201	159812	153,435	149,276	132,651	121,263	115,246
National	1532845	1,501,773	1534379	1,459,455	1,406,569	1,204,288	1,160,070	1,062,098

Region	2008	2007	2006	2005	2004	2003	2002
Ashanti	145,316	163,357	147,223	158,436	153,891	150,209	133,495
Brong Ahafo	104,976	83,034	81,607	77,798	67,931	67,009	62,531
Central	60,658	96,404	67,628	63,932	59,611	55,820	54,871
Eastern	121,985	99,555	91,578	100,222	82,859	99,469	90,329
Greater Accra	79,974	136,823	92,890	98,561	81,874	76,606	88,299
Northern	66,146	69,185	60,547	67,063	72,368	74,733	69,801
Upper East	48,507	57,428	41,166	42,971	41,695	39,164	38,910
Upper West	42,061	36,721	29,716	36,047	32,157	30,656	31,846
Volta	83,093	70,162	69,919	70,000	68,144	66,241	63,844
Western	94,037	88,332	85,446	85,407	84,908	78,984	71,949
National	846,753	901,001	767,720	800,437	745,438	738,891	705,875

Source: CHIM/PPME-GHS
DHIMS2, GHS

4.4 Hospital Admission Rate

Region	2016	2015	2014	2013	2012	2011	2010	2009
Ashanti	52.9	51.9	51.9	49.51	46.43	40.9	45.92	33.16
Brong Ahafo	68	71.2	77.2	69.9	68.56	56	54.18	49.29
Central	45.2	43.6	43.2	43.81	44.2	35.5	38.65	38.81
Eastern	60.2	58.4	56.8	60.88	62.96	54.3	54.03	36.36
Greater Accra	25.7	23.8	26.4	27.93	28.02	23.4	34.69	17.97
Northern	64.9	64.2	70.3	70.34	70.87	59	48.44	49.24
Upper East	69.5	72.2	65.2	75.39	81.5	67	64.6	56.22
Upper West	85.7	77.6	97	83.76	85.99	79.7	76.31	67.03
Volta	61.6	63.9	70.5	62.94	56.43	50.7	48.71	51.28
Western	56.5	62.7	59.2	60.85	60.39	53.7	51.84	45.71
National	53.9	53.7	55.6	54.88	54.24	46.4	47.87	38.96

Region	2008	2007	2006	2005	2004	2003	2002
Ashanti	30.78	35.78	33.3	37.1	37.3	37.6	34.6
Brong Ahafo	47.46	38.48	38.8	37.9	33.9	34.3	32.8
Central	32.23	52.30	37.5	36.2	34.4	32.9	33.0
Eastern	51.81	42.87	40.0	44.4	37.2	45.3	41.7
Greater Accra	19.50	34.83	25.0	27.3	23.7	23.2	27.9
Northern	29.13	31.32	28.2	32.1	35.6	37.8	36.3
Upper East	48.30	57.81	41.9	44.2	43.4	41.2	41.4
Upper West	63.75	56.60	46.6	57.5	52.1	50.6	53.4
Volta	43.71	37.61	38.2	39.0	38.7	38.3	37.6
Western	37.98	36.82	37.0	37.9	38.9	37.3	35.1
National	35.91	39.29	34.4	36.9	35.3	36.0	35.3

Source: CHIM/PPME-GHS

DHIMS2, GHS

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

4.5 Case Fatality Rate for Malaria

Region	2016		2015		2014		2013		2012		2011	
	Under 5	All Ages	Under 5	All Ages	Under 5	All Ages	Under 5	All Ages	Under 5	All Ages	Under 5	All Ages
Ashanti	0.13	0.17	0.18	0.27	0.18	0.2	0.42	0.37	0.35	0.39	0.39	0.37
Brong Ahafo	0.26	0.28	0.45	0.48	0.35	0.3	0.46	0.5	0.77	0.97	1.13	1.25
Central	0.36	0.48	0.54	0.73	1.2	1.39	0.86	1.72	0.98	1.89	1.84	3.04
Eastern	0.23	0.20	0.26	0.23	0.32	0.26	0.43	0.45	0.38	0.46	0.5	0.47
Greater Accra	0.29	0.26	0.49	0.59	0.52	0.61	0.92	0.93	0.66	0.91	0.94	1.13
Northern	0.49	0.47	0.81	0.75	1.1	0.94	1.11	0.93	1.19	1.01	1.74	1.54
Upper East	0.51	0.67	0.72	0.77	0.4	0.62	0.69	0.87	0.7	1	0.95	1.23
Upper West	0.35	0.44	0.57	0.83	0.43	0.71	0.76	1.12	0.7	1.42	1.16	1.56
Volta	0.39	0.45	0.58	0.64	0.5	0.57	0.7	0.88	0.95	1.26	0.15	0.4
Western	0.32	0.26	0.45	0.38	0.42	0.35	0.58	0.55	0.78	0.77	0.83	0.82
National	0.32	0.33	0.51	0.52	0.54	0.53	0.69	0.74	0.78	0.92	1.04	1.11

Region	2010		2009		2008		2007		2006		2005	
	Under 5	All Ages	Under 5	All Ages	Under 5	All Ages	Under 5	All Ages	Under 5	All Ages	Under 5	All Ages
Ashanti	0.76	0.59	0.6	0.5	0.7	0.5	3.0	1.5	1.7	1.2	2.2	1.3
Brong Ahafo	1.59	1.38	1.3	1.1	1.4	1.1	1.6	1.5	1.9	4.5	1.8	1.6
Central	1.81	2.81	2.9	3.2	3.0	3.4	3.9	3.9	4.2	4.0	4.5	4.1
Eastern	0.76	0.76	0.8	0.8	1.0	0.8	1.5	1.3	1.5	1.5	1.5	1.2
Greater Accra	3.06	2.33	1.0	1.2	1.2	1.5	1.5	4.0	1.0	2.3	1.2	2.0
Northern	2.41	2.03	3.0	2.6	3.3	2.6	2.8	2.1	5.1	4.1	3.1	2.6
Upper East	1.40	1.61	1.6	1.8	2.0	1.9	2.1	1.9	2.6	2.4	2.5	2.2
Upper West	1.02	1.25	1.6	1.8	0.8	1.1	1.3	1.4	3.0	2.0	3.0	2.5
Volta	1.56	1.78	1.9	2.3	2.1	2.9	3.0	2.7	3.1	3.0	4.8	4.4
Western	1.36	1.21	1.8	1.5	2.1	1.9	3.0	2.7	2.7	2.3	3.4	2.9
National	1.47	1.41	1.7	1.6	1.6	1.4	2.4	2.1	2.7	2.6	2.8	2.3

4.5 Top Twenty Causes of Outpatient Morbidity 2002 -2016

2016				2015				2014			
No	DISEASES	No of cases	% of total	No	DISEASES	No of cases	% of total	No	DISEASES	No of cases	% of total
1	Malaria	6959525	31.1	1	Malaria	6,961,077	26.1	1	Malaria	7,316,615	26.7
2	Upper Respiratory Tract Infections	3840246	17.2	2	Upper Respiratory Tract Infections	3,896,550	14.6	2	Upper Respiratory Tract Infections	3,379,534	12.3
3	Rheumatism & Other Joint Pains	1612609	7.2	3	Rheumatism & Other Joint Pains	1,546,744	5.8	3	Diarrhoea Diseases	1,573,569	5.7
4	Diarrhoea Diseases	1570557	7.0	4	Diarrhoea Diseases	1,515,189	5.7	4	Rheumatism & Other Joint Pains	1,474,615	5.4
5	Skin Diseases	1143556	5.1	5	Skin Diseases	1,187,674	4.4	5	Skin Diseases	1,335,465	4.9
6	Anaemia	1069138	4.8	6	Anaemia	1,007,335	3.8	6	Anaemia	993,135	3.6
7	Intestinal Worms	816106	3.6	7	Intestinal Worms	830,557	3.1	7	Intestinal Worms	855,677	3.1
8	Acute Urinary Tract Infection	671144	3.0	8	Hypertension	715,247	2.7	8	Hypertension	829,655	3
9	Hypertension	606721	2.7	9	Acute Urinary Tract Infection	606,471	2.3	9	Acute Urinary Tract Infection	603,607	2.2
10	Acute Eye Infection	538089	2.4	10	Acute Eye Infection	503,153	1.9	10	Acute Eye Infection	535,487	2
11	Typhoid Fever	384704	1.7	11	Typhoid Fever	337,120	1.3	11	Typhoid Fever	334,103	1.2
12	Pneumonia	235052	1.1	12	Uncomplicated Malaria in Pregnancy suspected	328,119	1.2	12	Pregnancy Related Complications	242,216	0.9
13	Gynaecological conditions	205242	0.9	13	Uncomplicated Malaria in Pregnancy Suspected Tested	309,803	1.2	13	Diabetes Mellitus	213,837	0.8
14	Pregnancy Related Complications	201397	0.9	14	Pregnancy Related Complications	233,392	0.9	14	Other Acute Ear infection	205,026	0.7
15	Ulcer	200687	0.9	15	Pneumonia	216,752	0.8	15	Pneumonia	204,984	0.7
16	Otitis Media	172237	0.8	16	Gynaecological conditions	196,045	0.7	16	Vaginal Discharge	193,329	0.7
17	Vaginal Discharge	169048	0.8	17	Vaginal Discharge	186,072	0.7	17	Home Injuries (Home Accidents and Injuries)	186,988	0.7
18	Septiceamia	159103	0.7	18	Diabetes Mellitus	185,945	0.7	18	Gynaecological conditions	183,210	0.7
19	Diabetes Mellitus	154790	0.7	19	Ulcer	167,560	0.6	19	Septiceamia	111,248	0.4
20	Other Acute Ear infection	140974	0.6	20	Other Acute Ear infection	156,343	0.6	20	Transport injuries (Road Traffic Accidents)	105,966	0.4
	All others	1514852	6.8		All other diseases	21,087,148	78.9		All other diseases	20,878,266	76.3
	Total	22365777	100.0		Total	26,712,616	100		Total	27,377,934	100

#	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 Accidents and Injuries)	208,617	0.67	Vaginal Discharge	180,892	0.71	Vaginal Discharge	180,892	0.7
18	Gynaecological conditions	203,061	0.65	Pneumonia	177,404	0.70	Pneumonia	177,404	0.7
19	Referrals	158,841	0.51	Road Traffic Accidents	108,201	0.43	Road Traffic Accidents	108,201	0.4

20	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 Pains	603,834	3.2	Rheumatism and Joint Pains	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 Infection	209,728	1.1	Home Accidents and Injuries	167,689	1.1	Intestinal Worms	165,534	1.6
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

#	2010			2009			2008		
	Disease	Number of Cases	% of Total	Disease	Number of Cases	% of Total	Disease	Number of Cases	% of Total
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

DHIMS2, 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	2016	2015	2014	2013	2012	2011	2010	2009	2008
Ashanti	2.6	2.7	2.8	3.2	2.6	3.1	3	3.9	3
Brong Ahafo	2.7	1.7	2.6	2.1	2	2	2	2.9	2.6
Central	1.8	1.8	1.4	1.1	1.9	4.7	1.9	3	2
Eastern	2.6	2.7	3.7	3.7	3.6	3.6	3.2	4.2	4.2
Greater Accra	2.4	3.2	3.1	2.7	3.5	3.2	2.6	3.2	3
Northern	0.7	1.2	0.6	0.8	0.9	0.3	0.7	2	1.1
Upper East	1.7	1.5	1.4	1.7	2.1	1.5	2.4	2.2	2
Upper West	2.5	1.3	1.3	0.8	1.2	1	1.7	3.1	1.6
Volta	2.7	1.7	2.2	1.2	2.5	2.2	1.8	2.6	1.7
Western	2.5	2	2.4	2.4	2.4	1.9	2.5	3.1	2.9
National	2.4	1.8	1.6	1.9	2.1	2.1	2	2.9	2.2

Source: NACP, GHS

5.2 HIV Prevalence among pregnant women by Age Groups

Age Group(Years)	2016	2015	2014	2013	2012	2011	2010	2009	2008
15 – 19	0.6	0.7	0.9	0.8	0.7	1.9	1.1	1.9	1.2
20 – 24	1.3	1.3	2.1	1.4	1.5	1.5	1.7	2.2	2.3
25 – 29	2.1	2	2	2.4	2.8	2.7	2.5	3.7	3
30 – 34	3.3	2.9	2.8	2.5	3	2.9	2.8	3.4	2.8
35 – 39	3.5	3.4	3.2	3.2	3.3	2.8	2.8	3.6	2.9
40 – 44	2.6	2.6	2.1	2.7	3.2	2.7	2.1	4	1.8
45 – 49	5.6	1.9	1.7	3.3	0	2.8	2.7	1.8	2.6
15 – 24	1.1	1.1	1.8	1.2	1.3	1.7	1.5	2.1	1.9

Source: NACP, GHS

5.3 Guinea Worm Cases

Region	2016	2015	2014	2013	2012	2011	2010	2009	2008
Ashanti	0	0	0	0	0	0	0	2	5
Brong Ahafo	0	0	0	0	0	0	0	2	11
Central	0	0	0	0	0	0	0	0	1
Eastern	0	0	0	0	0	0	0	1	2
Greater Accra	0	0	0	0	0	0	0	0	0
Northern	0	0	0	0	0	0	8	237	479
Upper East	0	0	0	0	0	0	0	0	1
Upper West	0	0	0	0	0	0	0	0	1
Volta	0	0	0	0	0	0	0	0	1
Western	0	0	0	0	0	0	0	0	0
National	0	0	0	0	0	0	8	242	501

Source: Guinea Worm Eradication Programme

5.4 Tuberculosis Case Notification per 100,000 Population

Region	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007	2006	2005	2004
Ashanti	50	53	55	58	58	63	59	53	54	51	49	53	53.4
Brong Ahafo	52	54	53	50	43	44	37	38	30	36	31	28	32.7
Central	53	54	63	62	67	67	73	80	67	69	61	75	79.6
Eastern	54	56	62	65	65	68	72	80	71	71	72	75	67
Greater Accra	59	63	60	66	74	81	81	82	80	69	78	67	63.7
Northern	24	30	26	24	24	27	22	24	31	25	20	18	24.1
Upper East	53	56	57	65	57	68	63	48	48	51	32	34	38.5
Upper West	48	44	41	44	43	40	38	37	35	29	28	35	34.8
Volta	60	60	69	77	71	71	66	80	68	58	61	64	69.6
Western	56	59	64	70	66	74	76	74	74	73	75	76	66.6
National	54	56	58	60	61	63	63	64	61	57	57	57	56.6

Source: NTP, GHS

5.5 Tuberculosis Cure Rate

Region	2015	2014	2013	2012	2011	2010	2009	2008	2007	2006	2005	2004	2003
Ashanti	40.2	73.6	72.3	76.1	76.4	96.9	77.4	81.4	82.3	80.5	74.7	71.9	69
Brong Ahafo	43.1	78.0	80.8	76.5	67	65.9	71.3	70.9	64.1	59	60.8	61.1	63.7
Central	50.1	78.2	83.2	82.4	82.1	86	86.3	87.1	81.8	71.4	62.9	42.4	46.3
Eastern	41.9	68.6	67.6	68.6	71	61.4	73.8	75.5	72.9	68.8	63.1	61.4	60
Greater Accra	46.3	85.3	87.2	85.8	82.7	83.5	81.7	82	82.5	76	80.5	82	77.7
Northern	42.7	75.5	72.1	64.9		76.4	79.3	74.8	76.3	66.4	66	47	64
Upper East	40.8	88.2	82.1	81.3	85.2	87.6	88.3	72.2	75	73.6	66.9	67.4	59.6
Upper West	41.9	71.4	67.9	64.7	62.3	50.5	54.6	42.1	44.5	56.3	47.4	62.5	52
Volta	37.3	71.1	70.6	69.4	74.9	73.8	78.7	88	79.8	74	77.3	74.4	74.7
Western	61.3	70.3	63.1	69.5	72.3	75.2	77.6	73.5	74.2	59.9	57.6	55.6	38.7
National	42.5	75.0	74.3	74.5	75.5	75.6	79.1	78.8	77.5	76.1	67.6	64	61

Source: NTP, GHS

5.6 Tuberculosis Treatment Success Rate

Region	2015	2014	2013	2012	2011	2010	2009	2008	2007	2006	2005	2004	2003
Ashanti	86.1	98.2	89.2	90.9	90	91.8	88.8	90.3	90	86	80	79	81
Komfo Anokye Teaching Hospital	73.9	81.1	83.3	77.3	77.3	75.7	70.8	73.5	86	70	57	64	71
Brong Ahafo	89.3	87.1	89.8	85.3	83.5	76.6	78.9	82.3	77	70	66	67	69
Central	86.7	84.4	86.1	85.7	87	87.7	90.4	90	87	75	67	54	53
Eastern	84.9	86.7	84.4	81.8	83.7	72.1	80.5	82	79	77	72	67	64
Greater Accra	89.9	92.0	91.4	90.8	87.5	89.3	87.5	84.9	87	85	79	82	79
Korle Bu Teaching Hospital	56.2	74.2	74.5	78.2	78.5	72.7	65.8	70.8	70	69	68	77	71
Northern	90.6	87.5	86.5	73.1	81.2	85	84.5	87.8	83	80	80	74	75
Upper East	65.3	93.1	88.1	85.8	85.7	88.3	89.1	76.9	79	78	72	72	70
Upper West	86.0	86.4	89.7	83.2	77.2	73	73.6	61.8	71	71	65	85	69
Volta	85.5	88.9	87.7	86.5	86.1	87.7	87.1	93.4	87	83	84	82	81
Western	91.0	88.8	84.5	90.4	88.1	91	90.9	86.5	86	74	67	68	61
National	85.1	88.0	87.1	86.7	86.2	85.5	87	85.4	84	79	73	72	70

Source: NTP, GHS

6.0 EPI, GHS

REGION	6.1 Measles Immunization Coverage Rate, 2002 - 2015														
	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007	2006	2005	2004	2003	2002
Ashanti	96.3	92.9	92	86	87	84.7	87.8	87.1	80.7	77.7	73.7	79	68	70	77
Brong Ahafo	94	96	93.3	91	97	96.4	95.5	93.9	96.6	102	99.4	89	87	86	87
Central	90	87	87.2	85	88	98.5	97.4	98.1	94.4	94	89	85	83	81	83.5
Eastern	89.3	88.3	78.8	79	87	94.4	96	94	95.1	95.5	93.8	92	86	93	91.6
Greater Accra	90.5	86	77.9	76	78	71.4	71.2	74	67.3	69.2	65.9	67	63	66	75.6
Northern	101	106.4	107.3	107	113	112.4	107.1	119.7	109.2	116.4	112.4	96	94	92	106.4
Upper East	73.8	84.1	83.2	79	83	85	83.6	105.9	93.1	102.2	95.8	85	88	84	93.3
Upper West	74.8	79.2	76.6	75	75	75.8	82	90.6	90	97.7	101.1	78	92	88	89.7
Volta	80.5	72.8	78.2	73	77	78.9	78.4	78.3	78.8	78.8	71	69	70	68	65.3
Western	82.9	89	85.4	85	96	86.4	85.7	85.2	87.5	92.1	90.3	80	86	87	86.8
National	90.1	89.6	86.9	84	89	87.7	87.7	89.1	86.5	88.6	85.1	81	78	79	83.8

Source: EPI, GHS

REGION	6.2 Penta 3 (DPT3) Immunization Coverage Rate, 2002 - 2015														
	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007	2006	2005	2004	2003	2002
Ashanti	98.2	93.5	93.5	88	88	85	86.5	83.7	76.8	72.3	71	73	66	66	70.3
Brong Ahafo	96.5	95.5	94.2	92	96	94	94.3	95	97.3	100.2	96.8	91	83	81	82.7
Central	91.7	86.3	85.1	83	86	95	94.3	96.6	92.2	92.6	88.4	88	86	83	82
Eastern	97.2	92	83.5	83	87	93	93.6	94.5	93	93	88.6	89	79	81	80.1
Greater Accra	89.4	82.8	74.1	74	85	66	70.1	72.7	68.3	67.8	65.4	66	55	62	71.5
Northern	109.7	109.2	113.6	110	110	114	109.2	123	114.5	123.7	115.2	112	93	85	90.2
Upper East	79.2	87.2	89.1	83	84	87	83.1	105.9	94.8	101.6	92.6	97	87	83	90.7
Upper West	78.1	79.5	81.7	79	76	83	83	90.1	87.5	93.9	92.4	76	90	87	84.9
Volta	84.1	84.2	82.4	75	78	81	81.4	82.9	83.8	83.8	77.5	75	71	67	64.7
Western	85.9	89.1	90.7	88	95	89	86.4	88.6	89	93.3	91.1	85	86	88	85.4
National	93.3	90.9	88.8	86	88	87	87.1	89.3	86.6	87.8	84.2	83	76	76	78.1

Source: EPI, GHS

REGION	6.3 OPV3 Immunization Coverage Rate, 2002-2015														
	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007	2006	2005	2004	2003	2002
Ashanti	97.8	93.9	93.4	88	87.5	84.7	86.3	83.61	76.7	72.3	70.6	72	66	68	70.5
Brong Ahafo	96	96.6	95.1	92	95.2	93.8	94.1	93.76	97.2	101.3	97.1	91	82	80.2	81.2
Central	90.8	86.6	86.7	83	86.5	94.4	92.9	93.66	90.9	92.7	88.2	102	89	83.9	85.5
Eastern	96.7	92.2	83.2	85	87.4	92.6	93.1	94.15	92.7	93.3	88.8	91	79	81.3	80.4
Greater Accra	88.7	83.8	74.3	74	74.5	66.1	70.3	72.28	68.4	67.4	64.8	66	56	60.5	71.8
Northern	110.7	112.7	113.4	108	109.2	114.1	109	122.13	114.2	122.5	113.3	112	93	84.7	92
Upper East	79.1	86.9	88.8	83	86.4	86.5	82.8	105.35	89.2	100.8	92.6	96	87	82.9	91.9
Upper West	77.5	79.1	81.7	79	75.7	79.8	81.7	89.27	87.4	93.8	92.3	75	90	86.2	85
Volta	83.4	85	82.4	75	77.3	81.2	81.5	83.11	83.8	83.6	78	76	71	67.1	65
Western	84.8	92.8	90.6	91	93.9	87.9	86	88	88.4	92.4	89.6	85	86	87.4	87.1
National	92.8	92	89	86	87.4	86.7	86.8	88.69	86.1	87.6	83.7	84	76	75.5	78.8

Source: EPI, GHS

REGION	6.4 BCG Immunization Coverage Rate, 2002 -2015														
	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007	2006	2005	2004	2003	2002
Ashanti	112.3	98	110.7	103	105.4	107.1	105.5	101.6	95.7	90.5	87.5	86	72	77	84.2
Brong Ahafo	109.7	106.1	110.5	109	114.1	114.4	111.6	111.1	111.6	114.5	111.6	99	98	96.7	94.6
Central	107.2	99.1	103.8	105	114.1	124	120.5	123.9	118.6	124	114.5	115	111	109	110.9
Eastern	101.2	82.7	92.4	95	103.8	110.3	114.3	114.2	111.7	110.6	110.2	114	104	102.3	107.1
Greater Accra	92.5	85.9	80.9	78	83.9	77.5	74.8	75.6	76.4	73.7	73.6	83	72	79.3	83.3
Northern	126.3	113	131.2	126	130.2	134.7	126.8	139.5	131	130.8	128.7	117	113	101.7	107.9
Upper East	86.2	88.7	90.7	87	89.5	99.3	91.3	123.5	107.3	112.5	110.6	96	108	109.1	116.1
Upper West	81.3	84.3	84.8	82	81.5	85.8	92.3	104.6	105.2	109.1	110	88	106	98.5	95.6
Volta	91.1	84.3	90	84	90.9	95.8	94.1	94.5	98.1	98.1	91.4	89	88	82.3	80.5
Western	94.9	100.3	106.9	106	117.1	104.9	99	100.6	103	107.8	103.8	98	100	101	104.4
National	103.1	95.1	101.6	98	104.3	104.8	102.1	103.8	102.6	102.4	99.6	97	92	92	95.6

Source: EPI, GHS

REGION	6.5 Tetanus Toxoids Immunization Coverage Rate, 2006-2015										
	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007	2006
Ashanti	64.2	60.1	70	75	76.5	80.6	78	83.1	80.2	69	68.3
Brong Ahafo	82.7	84.4	81.5	76	74.4	81.6	84.9	82.2	89.8	90.9	88.9
Central	80.9	75.8	71	72	82.6	86.4	94.3	89.6	93.2	81.9	78.7
Eastern	79.2	76.7	70.5	76	71.9	80.2	83.6	85.1	80.7	67.3	68.1
Greater Accra	79.9	70.4	54.5	61	66.8	65.4	67.4	66.8	59.6	50.3	56.8
Northern	74.7	87.9	94.6	97	94.3	82.2	93.5	108	97.9	95	78.5
Upper East	55.6	63.3	66.3	59	62.3	70.3	63.8	85.5	66.2	90.4	78.3
Upper West	65.1	65.8	59.6	55	56.2	64.1	69.4	71.2	71.6	67.4	52.3
Volta	67.2	69.4	53.8	56	60	67.8	60.8	63.9	63.7	57	59.7
Western	61.6	65.4	54.8	65	72.3	64.1	62.8	62.6	62.7	58.8	57.1
National	72.3	71.7	160.5	71	73.6	75.7	76.2	78.6	76.3	70.1	68.2

Source: EPI, GHS

REGION	6.6 Yellow Fever Immunization Coverage Rate, 2005-2015										
	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007	2006
Ashanti	80.2	92.3	91.5	86	86.8	84.3	87.4	86.8	80.4	76.9	72.9
Brong Ahafo	91.9	95.5	92.9	90	92.4	95.3	95.1	94	94.8	100.9	98.4
Central	86.7	88.9	85.9	85	86.2	96.9	95.1	96.8	91.3	91.9	86.6
Eastern	83.2	89	78.8	80	85.8	93.9	95.9	94.2	95.4	95.5	90.8
Greater Accra	77.6	87.7	77.8	76	77.3	71.4	43.2	73.2	66.8	68.3	64.4
Northern	88.7	104.5	105.9	105	110.1	111.4	106	118.7	107.6	115	110
Upper East	68.6	83.8	81.9	77	96	83.3	81.5	107.5	84.8	101.1	92.6
Upper West	73.8	79.1	76.3	75	74.5	75.1	82.6	89.5	88	97	96.2
Volta	75.8	82.9	78.8	73	76.3	79.1	78.5	78.2	79	77	71.6
Western	72.8	93.2	83.8	86	93.8	85.9	85.5	84.7	93.1	96.6	93.6
National	80.8	91	86.3	84	87.8	87.1	87.5	88.8	86	88.1	84

Source: EPI, GHS

REGION	6.7 Rotarix 2 Coverage 2012-2015				
	2016	2015	2014	2013	2012
Ashanti	97.5	93.8	93.7	88	49
Brong Ahafo	94.4	95.3	93.8	88	53
Central	88.8	84.7	83.5	80	43
Eastern	93.7	88.8	80.5	79	44
Greater Accra	82.7	77.7	72	70	43
Northern	113.8	112	115.3	107	55
Upper East	78.3	86.4	87.7	81	46
Upper West	78.3	78.6	81.9	77	43
Volta	80.4	81.8	81.7	75	40
Western	84.4	91.8	89.5	84	46
National	91.1	89.8	88	83	47

REGION	6.8 PCV 3 Coverage 2012-2015				
	2016	2015	2014	2013	2012
Ashanti	98.4	93.4	94	88	42
Brong Ahafo	96.5	96.6	95.4	92	46
Central	91.7	87.5	85.4	80	37
Eastern	97.3	92.2	83.3	83	41
Greater Accra	89.7	83.7	74.7	74	39
Northern	109.5	110.9	113.2	104	48
Upper East	79.2	87.2	88.9	83	40
Upper West	78.3	79.2	81.8	78	35
Volta	84.1	84.8	82.6	75	35
Western	85.6	93.1	91	84	37
National	93.3	91.8	89.2	84	40

Source: EPI, GHS

REGION	6.9 AFP Non-Polio Rate 2007-2015									
	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007
Ashanti	1.96	1.96	1.13	1.98	1.17	2.09	1.48	2.1	1.35	0.89
Brong Ahafo	7.82	7.82	4	6.35	3.4	2.8	2.4	3.7	4.22	1.44
Central	2.82	2.82	3.36	2.66	2.22	2.38	1.38	4.25	2	3.13
Eastern	2.32	2.32	1.44	2.29	1.8	2	1.6	4.1	2.7	1.3
Greater Accra	1.75	1.75	1.44	1.52	0.25	0.6	0.95	1.06	1.06	0.5
Northern	4.24	4.24	2.42	2.73	1.64	3.3	2.2	2.5	3.4	2.11
Upper East	4.89	4.89	7.11	6.15	3.5	4.5	2	5.5	4.5	2
Upper West	2.57	2.57	3.33	5.77	3.33	5	4	4.33	3.33	3
Volta	3.14	3.14	3.1	2.09	1.67	3.13	3.13	2.25	1.63	1.75
Western	6.18	6.18	4.91	1.42	0.75	2	2.18	1.82	2.1	2.8
National	3.42	3.42	2.63	2.71	1.53	2.2	1.82	2.68	2.24	1.6

Source: Disease Surveillance Department

7.0 Reproductive Health Services

REGION		7.1 ANTE NATAL COVERAGE									7.2 SUPERVISED DELIVERY									
	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007
Ashanti	74.7	73	76.6	81.9	82.3	84.3	84.7	80.7	86.1	76.1	53.4	52.9	54.4	55.4	50.1	45.9	53.4	42.4	35	26.7
Brong Ahafo	81.9	84.7	90.3	95.5	100.4	110.6	82.3	97.9	102.1	101.8	61.7	62.6	65.4	65	65.7	46.8	54	53.7	49.8	34.5
Central	94.4	87.3	89.3	89.3	97.7	107.7	106.1	109.1	115.5	108.7	61.3	57.9	59.5	53.7	58.7	51.6	51.6	52.5	56.3	22.3
Eastern	71.8	75.5	77	82.1	86.9	93.9	84.8	93.4	98.2	87.2	50.4	51.2	52.5	52.8	56.5	58.1	48.2	52.1	48	43.1
Greater Accra	87.6	85.3	87.9	86.9	88.7	91.7	89.5	77.4	85.2	77.2	59.4	59.1	59.7	56.4	56.6	58.8	54.4	47.9	50.3	43.1
Northern	116.7	114.4	117.5	113.6	112	135	120.9	120.8	127.7	116.8	57.5	52.8	53.4	46.8	43.3	44.5	36.8	36.1	26	27.7
Upper East	76	82	83.6	83.8	88.1	91.6	92.5	100.1	102.1	111.7	70.1	74.2	73.5	67.5	68.4	67	59.7	52.6	40.4	43.5
Upper West	85.4	83.2	85.2	87.7	84.4	86.2	88.8	88.9	93.5	96.3	66.3	62	64	58.2	52.5	39	46.5	36.7	40.6	32.9
Volta	68.8	70.8	77.1	78.3	81.8	88.7	81	88.9	93.4	87.4	43.7	44	45.3	43.4	44.8	44.3	36.9	39.4	37.5	33.3
Western	85.4	95.5	94.3	103.2	101.1	98.6	109.8	93.5	98.8	91.7	53.8	57.7	57.2	55.5	53.5	39.3	49.6	42.6	39.1	17.6
National	84.1	84.5	87.3	90	92.2	98.2	93.3	92.4	97.8	91.1	56.2	55.9	57	55	55.6	52.2	49.5	45.6	42.2	32.1

REGION	7.3 POST NATAL CARE										7.4 FAMILY PLANNING ACCEPTORS									
	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007
Ashanti	55.4	57	62.2	49.4	48.2	53.4	52.6	38.4	51.6	50.6	25	22.2	20.4	19	16.6	17.4	17.6	17.5	15.7	15.2
Brong Ahafo	70.5	77.6	82.4	71.3	66	64	59.2	53.7	57.2	57.1	52.3	40.1	56.3	35.3	26.4	28.3	33	43.4	36.3	40.9
Central	73.1	70.8	65.1	56.9	62.9	68.9	66.8	71.4	77.6	73.4	29.8	25	27.1	22.9	26.3	28.5	25.1	33.1	33	29.6
Eastern	61.8	66	73.1	68.5	68.7	71.7	64.5	67	61.5	61.5	27.8	28.1	29.9	28.1	31.6	36.3	31.5	32.9	33.1	33.3
Greater Accra	67.7	68.7	73.4	63	62.8	65.4	57.7	51.7	48.7	48.5	54.8	38.7	33.2	28.9	27.3	41.9	31.6	32.6	63.9	16.4
Northern	101	93.9	104.3	89.7	83.8	91.8	88.9	84.9	80.7	76.8	22.2	18.5	19.4	15.9	16.4	21	21.5	28.9	26	20.1
Upper East	72.4	78.4	80.5	76.6	77	78.7	76.2	77.8	57.3	66.9	30.2	29.1	29.1	26.9	28.1	29.7	24.3	33	26.2	27.4
Upper West	71.8	68.4	76.2	69.3	64.8	68.8	68.4	64.9	68.7	70.1	52.1	53.1	50.9	42	42	50.7	49.2	56.5	59.8	85
Volta	53.5	58.2	68.2	55.1	53.4	58.2	50.1	47.3	50.5	55.6	26.5	26.3	27.8	24.1	24.6	28.6	22.5	27.5	21.6	23.7
Western	62.2	65.8	65.6	63.2	59.6	55.5	54.4	49.5	45.6	37.6	23.6	23	22.3	21.2	18.9	22.8	13	18.9	19.6	13.9
National	67.3	68.9	73.6	64.1	62.7	65.3	58.1	56.4	57.5	56.7	33.8	28.7	29.3	24.7	25.2	28.1	34.7	31.1	33.8	23.2

Source: RCH/PHD

7.5 Institutional Maternal Mortality Ratio

Region	2016		2015		2014		2013		2012		2011		2010	
	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	Maternal Deaths	Maternal Mortality Ratio
Ashanti	129	114	168	136.4	139	114.9	200	125.3	79	77	252	232	165	149.6
Brong Ahafo	77	117.1	87	130.6	95	134.9	95	139.2	112	167	93	208	73	138.7
Central	95	158.7	67	108.4	65	105.2	68	121.6	64	113	74	141	82	149.0
Eastern	97	158.9	107	176.1	117	175.5	124	199.5	116	179	935	207	115	191.6
Greater Accra	197	180.4	208	176.8	204	184.7	201	196.7	196	201	242	256	169	181.5
Northern	133	207.3	92	144.3	66	107.5	99	173.7	111	212	114	165	84	137.2
Upper East	37	110.9	30	89.7	45	138.7	33	108.4	40	136	36	120	37	137.9
Upper West	25	118.6	30	155.8	31	161.1	34	192.9	24	146	29	202	26	157.7
Volta	71	167.7	62	134.3	86	178.8	73	161	72	175	87	201	82	209.6
Western	94	151.5	75	124.5	93	149.5	85	152.7	75	132	60	114	99	176.1
National	955	151.1	926	141.9	941	143.9	1,012	154.5	889	152	1,122	195	932	163.2

Region	2009		2008		2007		2006		2005		2004		2003		2002	
	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	Maternal Deaths	Maternal Mortality Ratio	Maternal Deaths	Maternal Mortality Ratio
Ashanti	177	215	222	252.6	179	245.9	175	212.2	181	195.9	161	176.4	173	196.1	172	203.4
Brong Ahafo	94	194	81	185.3	88	222	116	225.8	75	211.4	104	229.6	84	196.2	102	235.1
Central	69	129	92	223.2	92	266.2	85	120.6	44	103.9	71	134.5	71	159.3	86	206.5
Eastern	82	136	98	170.7	146	265.3	118	227.3	143	288.1	109	267	113	262.6	92	198.2
Greater Accra	166	197	167	194.3	149	202.3	118	123.6	125	182.4	114	183	120	187.7	83	122.8
Northern	96	147	91	175.9	113	206.9	91	186.2	70	176.5	66	172	77	254.8	49	158.2

Upper East	30	131	27	152.2	29	140.7	43	219.9	34	172.3	46	170.9	34	203.5	59	378.3
Upper West	41	267	22	120.6	30	160.9	20	118.8	21	122.7	19	107.7	16	99.1	17	106.7
Volta	55	146	52	144.7	65	200.5	65	217.4	78	255.6	71	261.9	84	256.2	91	345.6
Western	79	148	101	269.5	104	341	126	284.3	92	244	63	155.4	82	209.5	86	231.9
National	889	170	953	199.7	996	230.2	957	187.2	863	196.8	824	186	854	204.5	837	204.4

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)

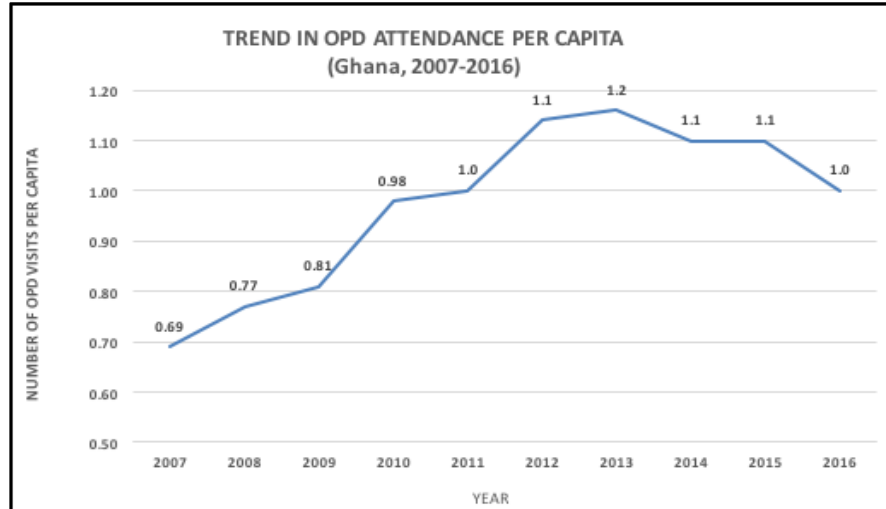


Figure 1

8.3 TOTAL FERTILITY RATE-GHANA (1988-2014)

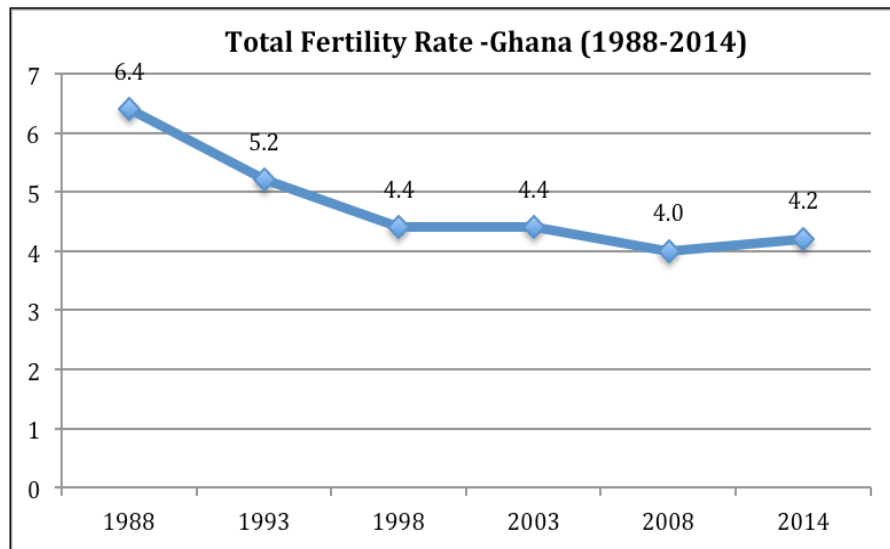


Figure 3

8.2 INFANT MORTALITY RATE-GHANA (1988-2014)

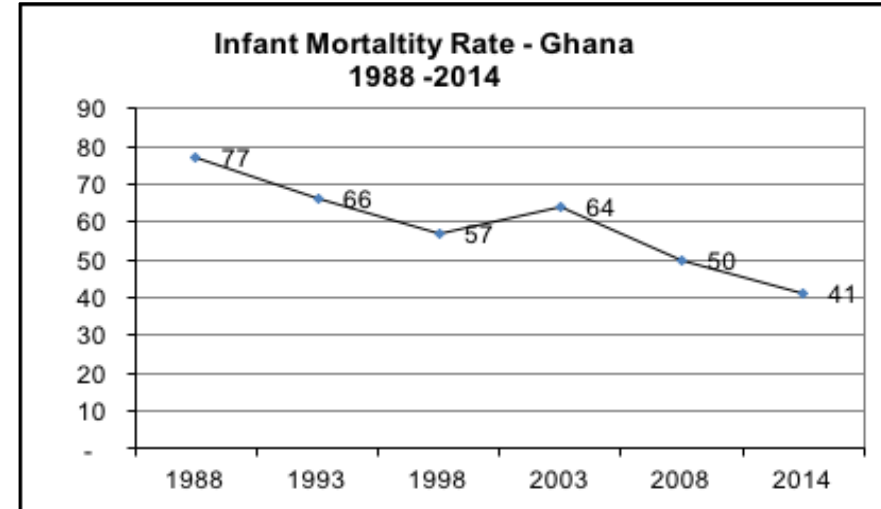


Figure 2

8.4 INCIDENCE OF MALARIA PER 100,000 POPULATION

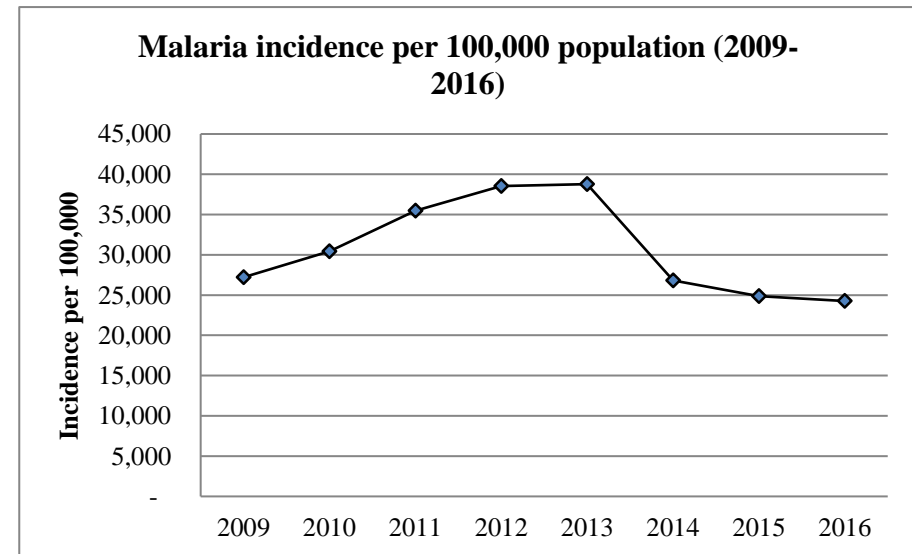


Figure 4

8.5 DOCTOR POPULATION RATIO (2008-2016)

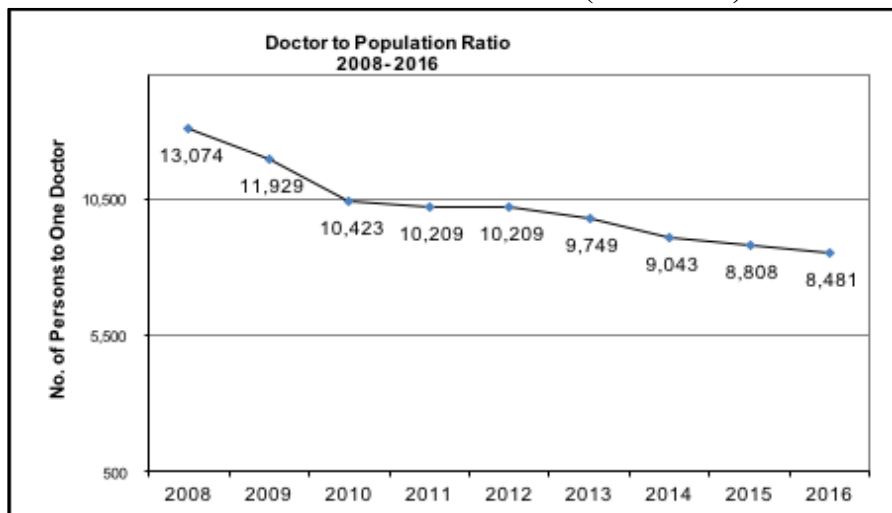


Figure 5

8.6 NURSE POPULATION RATIO (2008-2016)

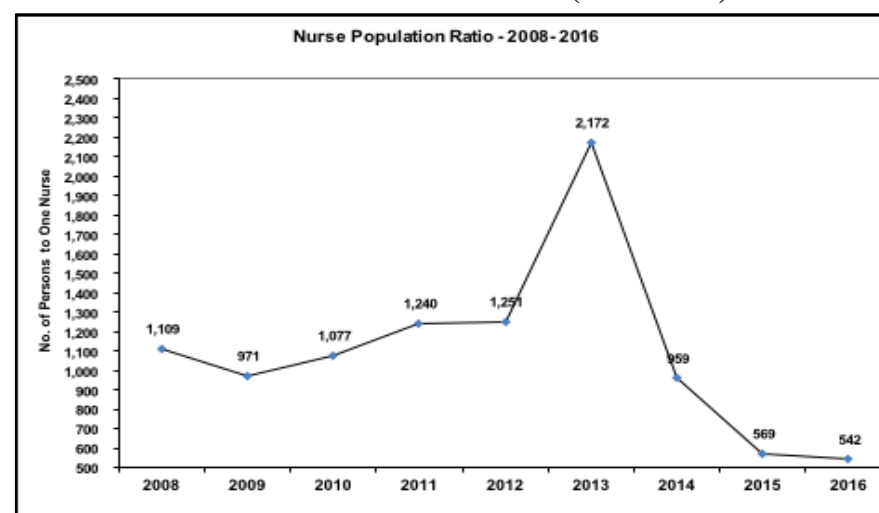


Figure 6

8.7 IMMUNIZATION COVERAGE (2008-2016)

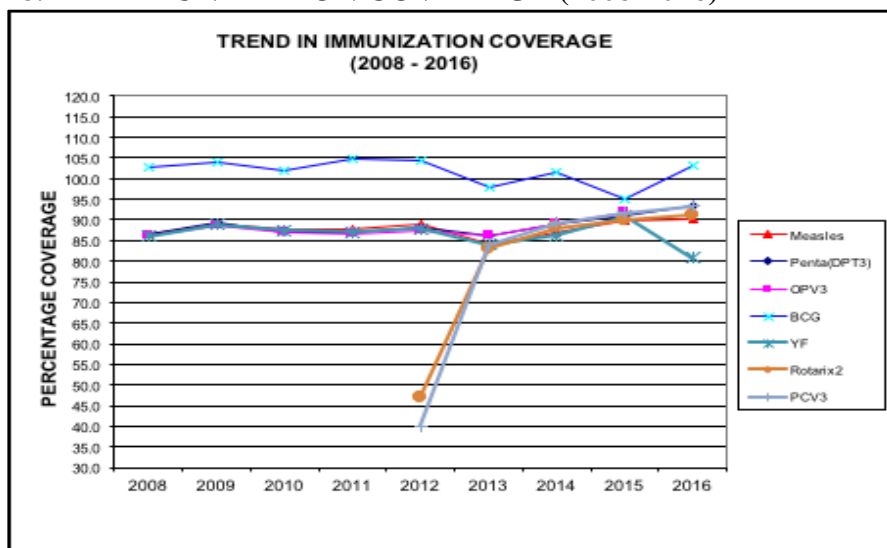


Figure 7

8.8 RCH COVERAGE (2002-2006)

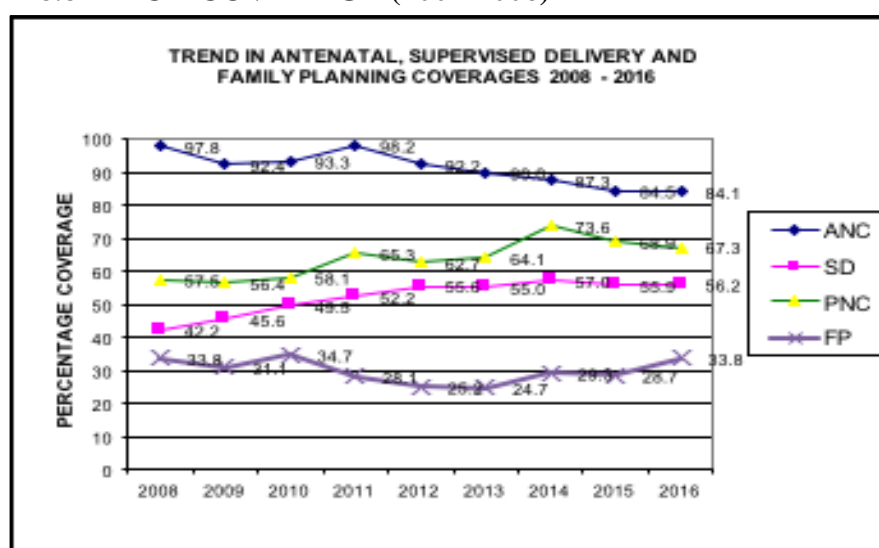


Figure 8

APPENDIX 2

9.0 MAJOR CAUSES OF ADMISSIONS AND DEATHS – 2016

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 2016

Rank	Cause of Admission	Total cases seen	Proportional Morbidity Rate (%)
1	Malaria	136,063	25.1
2	Anaemia	23,134	4.3
3	hypertension	21,927	4.0
4	Pneumonia	20,518	3.8
5	Infection of Urinary Tract (UTI)	13,008	2.4
6	Spontaneous delivery	12,905	2.4
7	Diabetes	8,978	1.7
8	Septicaemia	7,832	1.4
9	Gastritis	7,242	1.3
10	Cellulitis	6,480	1.2
	All others	284,837	52.5
	Total	542,924	100.0

Source: DHIMS2, GHS,

9.2 Top Ten Causes of Death All Ages – National 2016

Rank	Cause of Death	Total cases seen	Proportional Morbidity Rate (%)
1	Malaria	926	7.2
2	Pneumonia	903	7.0
3	Asphyxia	842	6.5
4	HIV/AIDS	828	6.4
5	Anaemia	747	5.8
6	Hypertension	588	4.6
7	Cerebrovascular Accident	489	3.8
8	diabetes	331	2.6
9	Septicaemia	300	2.3
10	Gastroenteritis	211	1.6
	All others	6724	52.2
	Total	12889	100.0

Source: DHIMS2, GHS

9.3 Top Ten Causes of Admission for Children Under 5 Years – National 2016

Rank	Causes of Admission	Number of cases	% of Morbidity cases
1	Malaria	66,102	40.6
2	Gastroenteritis	11,309	6.9
3	Bronchopneumonia	10,202	6.3
4	Anaemia	8,230	5.1
5	Septicaemia	5,015	3.1
6	Pneumonia	4,480	2.8
7	Asphyxia	3,733	2.3
8	Enteritis	1,430	0.9
9	Urine track infection UTI	1,341	0.8
10	Diarrhoeal Diseases	918	0.6
	All other Diseases	49,972	30.7
	Total	162,732	100.0

Source: DHIMS2, GHS

9.4 Top Ten Causes of Deaths for Children Under 5 Years – National 2016

Rank	Causes of Death	Number of Cases	% of morbidity
1	Asphyxia	436	16.6
2	Malaria	308	11.8
3	Pneumonia	195	7.4
4	Anaemia	129	4.9
5	Bronchopneumonia	82	3.1
6	Septicaemia	45	1.7
7	Gastroenteritis	38	1.5
8	Hypoglycaemia	34	1.3
9	HIV/AIDS	23	0.9
10	Enteritis	11	0.4
	All other Diseases	1318	50.3
	Total	2619	100.0

Source: DHIMS2, GHS

IMPORTANT HEALTH DAYS AND DATES

January

- New Year Day - 1st
- Health Sector Working Group meeting - 5th
- TB HIV Collaborative Review Meeting - 25th – 27th
- World Leprosy Day - 28th

February

- CHPS Implementation TWG 1st week
- HR Scientific meeting 1st to 3rd
- Health Sector Working Group Meeting 2nd
- World Cancer Day 4th
- Health Partners Meeting 3rd week

March

- Health Sector Working Group Meeting 2nd
- Orientation for newly selected Deputy Directors of Nursing and Midwifery Service -1st week
- Independence Day 6th
- World Kidney Day 14th
- World TB Day 24th
- Integrated Monitoring 1st to 4th Week
- Senior Managers Meeting/Conference (SMM1) 4th Week

April

- Health Sector Working Group Meeting 6TH
- Peer Review Meeting for Supply Chain Personnel 5th – 7th
- World Health Day 7th
- Palm Sunday 9th
- Good Friday 14th
- Easter Sunday 16th
- Easter Monday 17th
- World Malaria Day 25th
- Health Summit 4th Week
- African Vaccination Week
- World Immunization day Last week in April

May

- May Day 1st
- Health Sector Working Group Meeting 4th
- World Asthma Day 9th
- Child Health Promotion Week 2nd week
- World Hypertension Day 17th
- African Union Day 25th
- Drug Abuse Day 26th

Annual Research Dissemination Forum

- World No Tobacco Day 31st May to 1st June
31st

June

- Health Sector Working Group Meeting 1st
- Health Partners Meeting 3rd week
- World Blood Donor Day 15th
- World Sickle Cells Day 19th

July

- Republic Day 1st
- Health Sector Working Group Meeting 6th
- World Population Day 11th
- 20th African Union International conference on TB and Lung Diseases 10th – 14th
- National Diabetes Week
- Senior Managers Meeting/conference (SMM2)
- Half Year Performance Reviews
- World Hepatitis Day 28th

August

- World Breastfeeding Week 1st – 7th
- Health Sector Working Group Meeting 3rd
- Mid-Year TB HIV Review Meeting

September

- Health Sector Working Group Meeting 7th
- Safe Motherhood Day 21st
- World Rabies Day 28th
- World Heart Day 29th
- Mid Term in NTP/ Partners Joint Review
- Annual General meeting of the Health Sector Supply Chain Practitioners Association of Ghana (HESSCPAG) 27th – 29th
- Integrated Monitoring visits 1st – 30th
- Family Planning Week

October

- International Day of Older Persons 1st
- Health Sector Working Group Meeting 5th
- World Sight Day 8th
- World Mental Health Day 10th
- Global Hand Washing Day 15th
- National CHPS Forum
- Measles Rubella Campaign

November

- Health Sector Working Group Meeting 2nd
- World Pneumonia Day 12th
- World Diabetes Day 14th
- Adolescent Advocacy Week
- Last week

December

- World Aids Day - 1st
- Health Sector Working Group Meeting - 7th
- Christmas Day - 25th
- Boxing Day - 26th