

# **THE HEALTH SECTOR IN GHANA**

**FACTS AND FIGURES**

**2013**

# FOREWORD

Evidence based decision making is becoming very important in the health sector. The development of the Facts and Figures 2013 is to provide a ready access to useful information on health for all the stakeholders in health.

This report was compiled and put together by the Centre for Health Information Management (CHIM). The Centre for Health Information Management (CHIM) unit of the Policy, Planning, Monitoring and Evaluation Division (PPMED) of the Ghana Health Service carries the responsibility for the collection, analysis, reporting and presentation of health service information in the Health Sector.

The data provided in this document are mainly summaries of service utilization data and population-based indicators. Readers are directed to *The Ghana Health Service Annual Report and the Ministry of Health Holistic Assessment Report* for detailed presentation of the performance of the health sector.

The Ghana Health Service aims to demonstrate the results achieved through the various health interventions to all the relevant stakeholders in health.

We acknowledge the use of data from other agencies, which has been duly acknowledged in the document.

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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

## 1.0 Demography and Vital Statistics

### 1.1 Population Distribution by Region – 2013

NATIONAL TARGET POPULATION BY REGION - 2013				
	Region	Regional Projection	Target Population less than 1 year and expected pregnancy (4%)	Target Population for WIFA (24%)
1	Ashanti	5,042,005	201,680	1,210,081
2	Brong Ahafo	2,418,511	96,740	580,443
3	Central	2,340,494	93,620	561,719
4	Eastern	2,744,908	109,796	658,778
5	Greater Accra	4,262,531	170,501	1,023,007
6	Northern	2,625,355	105,014	630,085
7	Upper East	1,071,813	42,873	257,235
8	Upper West	729,044	29,162	174,970
9	Volta	2,225,489	89,020	534,117
10	Western	2,472,012	98,880	593,283
	<b>National</b>	<b>25,932,162</b>	<b>1,037,286</b>	<b>6,223,718</b>

Source: GSS 2000 Census (Projection)

### 1.2 Population Distribution by District, Ashanti Region – 2013

ASHANTI REGION TARGET POPULATION BY DISTRICT - 2013				
	District	District Projection	Target Population less than 1 year and expected pregnancy (4%)	Target Population for WIFA (24%)
1	Adansi North	112,952	4,518	27,108
2	Adansi South	121,693	4,868	29,206
3	Afigya-Kwabre	143,591	5,744	34,462
4	Ahafo-Ano North	99,445	3,978	23,867
5	Ahafo-Ano South	128,317	5,133	30,796
6	Amansie Central	95,707	3,828	22,970
7	Amansie West	141,683	5,667	34,004
8	Asante-Akim Central	75,422	3,017	18,101
9	Asante-Akim North	72,972	2,919	17,513
10	Asante-Akim South	123,662	4,946	29,679
11	Asante-Mampong	92,870	3,715	22,289
12	Asokore-Mampong	321,497	12,860	77,159
13	Atwima-Kwanwoma	95,594	3,824	22,943
14	Atwima-Mponua	125,703	5,028	30,169
15	Atwima-Nwabiagya	157,181	6,287	37,723
16	Bekwai	124,483	4,979	29,876

17	Bosome-Freho	63,702	2,548	15,289
18	Bosomtwi	99,050	3,962	23,772
19	Ejisu-Juaben	151,630	6,065	36,391
20	Ejura-Sekyedumase	90,122	3,605	21,629
21	Kumasi	1824,944	72,998	437,987
22	Kwabre East	121,880	4,875	29,251
23	Obuasi	177,871	7,115	42,689
24	Offinso North	59,994	2,400	14,399
25	Offinso	81,103	3,244	19,465
26	Sekyere Central	75,130	3,005	18,031
27	Sekyere East	65,575	2,623	15,738
28	Sekyere South	99,154	3,966	23,797
29	Sekyere-Afram Plains	30,097	1,204	7,223
30	Sekyere-Kumawu	68,981	2,759	16,556
	<b>Total</b>	<b>5,042,005</b>	<b>201,680</b>	<b>1,210,081</b>

Source: GSS 2000 Census (Projection)

### 1.3 Population Distribution by District, Brong Ahafo Region – 2013

BRONG AHAFO REGION TARGET POPULATION BY DISTRICT - 2013				
	District	District Projection	Target Population less than 1 year and expected pregnancy (4%)	Target Population for WIFA (24%)
1	Asunafo North	130,486	5,219	31,317
2	Asunafo South	100,027	4,001	24,007
3	Asutifi North	55,465	2,219	13,312
4	Asutifi South	55,303	2,212	13,273
5	Atebubu-Amanten	110,867	4,435	26,608
6	Banda	21,226	849	5,094
7	Berekum	135,659	5,426	32,558
8	Dormaa East	53,238	2,130	12,777
9	Dormaa West	49,896	1,996	11,975
10	Dormaa	117,327	4,693	28,159
11	Jaman North	86,924	3,477	20,862
12	Jaman South	96,960	3,878	23,270
13	Kintampo North	99,923	3,997	23,981
14	Kintampo South	84,769	3,391	20,345
15	Nkoranza North	68,961	2,758	16,551
16	Nkoranza South	105,625	4,225	25,350
17	Pru	135,262	5,410	32,463
18	Sene East	63,327	2,533	15,198
19	Sene West	61,012	2,440	14,643
20	Sunyani West	89,240	3,570	21,418
21	Sunyani	128,957	5,158	30,950
22	Tain	92,203	3,688	22,129

23	Tano North	83,694	3,348	20,087
24	Tano South	81,764	3,271	19,623
25	Techiman North	61,816	2,473	14,836
26	Techiman	154,664	6,187	37,119
27	Wenchi	93,914	3,757	22,539
	<b>Total</b>	<b>2,418,511</b>	<b>96,740</b>	<b>580,443</b>

Source: GSS 2000 Census (Projection)

#### 1.4 Population Distribution by District, Central Region – 2013

CENTRAL REGION TARGET POPULATION BY DISTRICT – 2013				
	District	District Projection	Target Population less than 1 year and expected pregnancy (4%)	Target Population for WIFA (24%)
1	Abura-Asebu-Kwamankese	124,563	4,983	29,895
2	Agona East	91,330	3,653	21,919
3	Agona West	122,621	4,905	29,429
4	Ajumako-Enyan-Essiam	146,738	5,870	35,217
5	Asikuma-Odoben-Brakwa	119,802	4,792	28,752
6	Assin North	171,499	6,860	41,160
7	Assin South	110,807	4,432	26,594
8	Awutu Senya East	114,343	4,574	27,442
9	Awutu Senya	93,260	3,730	22,382
10	Cape Coast	180,591	7,224	43,342
11	Efutu	72,916	2,917	17,500
12	Ekumfi	55,520	2,221	13,325
13	Gomoa East	220,108	8,804	52,826
14	Gomoa West	143,701	5,748	34,488
15	Komenda-Edna-Eguafuo-Abirem	153,816	6,153	36,916
16	Mfantsiman	153,419	6,137	36,821
17	Twifo-Ati-Mokwa	65,630	2,625	15,751
18	Twifo-Hemang Lower Denkyira	58,602	2,344	14,065
19	Upper Denkyira East	77,394	3,096	18,575
20	Upper Denkyira West	63,835	2,553	15,320
	<b>Total</b>	<b>2,340,494</b>	<b>93,620</b>	<b>561,719</b>

Source: GSS 2000 Census (Projection)

#### 1.5 Population Distribution by District, Eastern Region – 2013

EASTERN REGION TARGET POPULATION BY DISTRICT – 2013				
	District	District Projection	Target Population less than 1 year and expected pregnancy (4%)	Target Population for WIFA (24%)

1	Afram Plains South	120,570	4,823	28,937
2	Akwapim North	142,275	5,691	34,146
3	Akwapim South	39,093	1,564	9,382
4	Akyemansa	101,507	4,060	24,362
5	Asuogyaman	102,207	4,088	24,530
6	Atiwa	115,317	4,613	27,676
7	Ayensuano	79,462	3,178	19,071
8	Birim Central	151,017	6,041	36,244
9	Birim North	82,256	3,290	19,741
10	Birim South	124,850	4,994	29,964
11	Denkyembour	81,818	3,273	19,636
12	East Akim	175,022	7,001	42,005
13	Fanteakwa	113,224	4,529	27,174
14	Kwaebibirem	118,916	4,757	28,540
15	Kwahu East	80,398	3,216	19,296
16	Kwahu North	106,927	4,277	25,663
17	Kwahu South	72,718	2,909	17,452
18	Kwahu West	97,556	3,902	23,413
19	Lower-Manya Krobo	93,034	3,721	22,328
20	New Juaben	191,525	7,661	45,966
21	Nsawam-Adoagyiri	89,650	3,586	21,516
22	Suhum	95,200	3,808	22,848
23	Upper Manya-Krobo	75,152	3,006	18,036
24	Upper West Akim	90,746	3,630	21,779
25	West Akim	112,894	4,516	27,095
26	Yilo-Krobo	91,575	3,663	21,978
	<b>Total</b>	<b>2,744,908</b>	<b>109,796</b>	<b>658,778</b>

Source: GSS 2000 Census (Projection)

## 1.6 Population Distribution by District, Greater Accra – 2013

GREATER ACCRA TARGET POPULATION BY DISTRICT - 2013				
	District	District Projection	Target Population less than 1 year and expected pregnancy (4%)	Target Population for WIFA (24%)
1	Accra Metro	1,769,921	70,797	424,781
2	Ada East	76,183	3,047	18,284
3	Ada West	62,847	2,514	15,083
4	Adentan	83,139	3,326	19,953
5	Ashaiman	202,996	8,120	48,719
6	Ga Central	45,658	1,826	10,958
7	Ga East	157,044	6,282	37,691
8	Ga South	516,220	20,649	123,893
9	Ga West	233,626	9,345	56,070
10	Kpone-Katamanso	116,781	4,671	28,027

11	La-Dade-Kotopon	195,083	7,803	46,820
12	La-Nkwantanang-Madina	118,973	4,759	28,554
13	Ledzokuku-Krowor	242,283	9,691	58,148
14	Ningo Prampram	75,172	3,007	18,041
15	Shai-Osudoku	55,398	2,216	13,296
16	Tema	311,206	12,448	74,690
	<b>Total</b>	<b>4,262,531</b>	<b>170,501</b>	<b>1,023,007</b>

Source: GSS 2000 Census (Projection)

## 1.7 Population Distribution by District, Northern Region – 2013

NORTHERN REGION TARGET POPULATION BY DISTRICT - 2013				
	District	District Projection	Target Population less than 1 year and expected pregnancy (4%)	Target Population for WIFA (24%)
1	Bole	65,217	2,609	15,652
2	Bunkpurugu-Yunyoo	129,804	5,192	31,153
3	Central Gonja	93,048	3,722	22,331
4	Chereponi	56,536	2,261	13,569
5	East Gonja	143,420	5,737	34,421
6	East Mamprusi	128,129	5,125	30,751
7	Gushiegu	117,806	4,712	28,273
8	Karaga	82,278	3,291	19,747
9	Kpandai	115,219	4,609	27,653
10	Kumbungu	41,182	1,647	9,884
11	Mamprugu-Moagduri	49,653	1,986	11,917
12	Mion	86,118	3,445	20,668
13	Nanumba North	149,915	5,997	35,980
14	Nanumba South	98,964	3,959	23,751
15	North Gonja	46,109	1,844	11,066
16	Saboba	69,572	2,783	16,697
17	Sagnarigu	156,813	6,273	37,635
18	Savelugu-Nanton	147,479	5,899	35,395
19	Sawla-Tuna-Kalba	105,739	4,230	25,377
20	Tamale	236,388	9,456	56,733
21	Tatale-Sangule	62,868	2,515	15,088
22	Tolon	77,759	3,110	18,662
23	West Gonja	43,603	1,744	10,465
24	West Mamprusi	128,244	5,130	30,778
25	Yendi	125,219	5,009	30,052
26	Zabzugu	68,274	2,731	16,386
	<b>Total</b>	<b>2,625,355</b>	<b>105,014</b>	<b>630,085</b>

Source: GSS 2000 Census (Projection)

## 1.8 Population Distribution by District, Upper East Region – 2013

UPPER EAST TARGET POPULATION BY DISTRICT – 2013				
	District	District Projection	Target Population less than 1 year and expected pregnancy (4%)	Target Population for WIFA (24%)
1	Bawku West	96,304	3,852	23,113
2	Bawku	100,917	4,037	24,220
3	Binduri	63,063	2,523	15,135
4	Bolgatanga	134,726	5,389	32,334
5	Bongo	86,586	3,463	20,781
6	Builsa North	57,841	2,314	13,882
7	Builsa South	37,396	1,496	8,975
8	Garu-Tempa	133,142	5,326	31,954
9	Kasena-Nankana West	72,373	2,895	17,370
10	Kasena-Nankana	112,598	4,504	27,024
11	Nabdam	34,643	1,386	8,314
12	Pusiga	59,070	2,363	14,177
13	Talensi	83,154	3,326	19,957
	<b>Total</b>	<b>1,071,813</b>	<b>42,873</b>	<b>257,235</b>

Source: GSS 2000 Census (Projection)

## 1.9 Population Distribution by District, Upper West Region – 2013

UPPER WEST TARGET POPULATION BY DISTRICT – 2013				
	District	District Projection	Target Population less than 1 year and expected pregnancy (4%)	Target Population for WIFA (24%)
1	Daffiama-Bussie-Issa	33,834	1,353	8,120
2	Jirapa	91,793	3,672	22,030
3	Lambussie-Karni	53,635	2,145	12,873
4	Lawra	57,767	2,311	13,864
5	Nadowli-Kaleo	64,175	2,567	15,402
6	Nandom	47,034	1,881	11,288
7	Sissala East	58,696	2,348	14,087
8	Sissala West	51,475	2,059	12,354
9	Wa East	74,839	2,994	17,961
10	Wa West	84,469	3,379	20,272
11	Wa	111,327	4,453	26,718
	<b>Total</b>	<b>729,044</b>	<b>29,162</b>	<b>174,970</b>

Source: GSS 2000 Census (Projection)

## 1.10 Population Distribution by District, Volta Region – 2013

VOLTA REGION TARGET POPULATION BY DISTRICT - 2013				
	District	District Projection	Target Population less than 1 year and expected pregnancy (4%)	Target Population for WIFA (24%)
1	Adaklu	31,464	1,259	7,551
2	Afadjato South	99,841	3,994	23,962
3	Agortime-Ziope	36,200	1,448	8,688
4	Akatsi North	34,707	1,388	8,330
5	Akatsi South	100,257	4,010	24,062
6	Biakoye	69,237	2,769	16,617
7	Central Tongu	62,419	2,497	14,980
8	Ho West	99,389	3,976	23,853
9	Ho	186,256	7,450	44,701
10	Hohoe	175,471	7,019	42,113
11	Jasikan	62,177	2,487	14,922
12	Kadjebi	62,305	2,492	14,953
13	Keta	155,091	6,204	37,222
14	Ketu North	104,971	4,199	25,193
15	Ketu South	168,894	6,756	40,535
16	Kpando	56,456	2,258	13,550
17	Krachi East	122,717	4,909	29,452
18	Krachi Nchumuru	76,368	3,055	18,328
19	Krachi West	51,919	2,077	12,460
20	Nkwanta North	67,821	2,713	16,277
21	Nkwanta South	123,846	4,954	29,723
22	North Dayi	41,934	1,677	10,064
23	North Tongu	94,322	3,773	22,637
24	South Dayi	49,023	1,961	11,766
25	South Tongu	92,402	3,696	22,177
	<b>Total</b>	<b>2,225,489</b>	<b>89,020</b>	<b>534,117</b>

Source: GSS 2000 Census (Projection)

## 1.11 Population Distribution by District, Western Region – 2013

WESTERN REGION TARGET POPULATION BY DISTRICT - 2013				
	District	District Projection	Target Population less than 1 year and expected pregnancy (4%)	Target Population for WIFA (24%)
1	Ahanta West	110,506	4,420	26,521
2	Aowin	122,995	4,920	29,519
3	Bia East	27,438	1,098	6,585
4	Bia West	93,593	3,744	22,462
5	Bibiani-Anhwiaso-Bekwai	128,252	5,130	30,781

6	Bodi	54,962	2,198	13,191
7	Ellembelle	91,036	3,641	21,849
8	Jomoro	156,171	6,247	37,481
9	Juabeso	61,301	2,452	14,712
10	Mpohor	44,657	1,786	10,718
11	Nzema East	63,285	2,531	15,189
12	Prestea-Huni Valley	165,740	6,630	39,778
13	Sefwi-Akontombra	85,799	3,432	20,592
14	Sefwi-Wiawso	144,824	5,793	34,758
15	Sekondi-Takoradi	582,154	23,286	139,717
16	Shama	85,277	3,411	20,467
17	Suaman	21,012	840	5,043
18	Tarkwa-Nsuaem	94,132	3,765	22,592
19	Wassa Amenfi East	86,851	3,474	20,844
20	Wassa Amenfi West	96,364	3,855	23,127
21	Wassa East	84,348	3,374	20,244
22	Wassa-Amenfi Central	71,313	2,853	17,115
	<b>Total</b>	<b>2,472,012</b>	<b>98,880</b>	<b>593,283</b>

Source: GSS 2000 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	30*
Crude Death Rate (per 1,000)	17	12.5	10	10	9.4	7.6*
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	4.3

Source: GDHS, 1988, 1993, 1998, 2003, 2008; MICS 2011 \*WORLD BANK – The Health Sector in Ghana, 2012,

### 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
<b>National</b>	<b>6.4</b>	<b>5.5</b>	<b>4.6</b>	<b>4.4</b>	<b>4.0</b>	<b>4.3</b>
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		2011*	
	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	52.0
<b>National</b>	<b>39.7</b>	<b>26.2</b>	<b>38.3</b>	<b>20.6</b>	<b>34.0</b>	<b>17.6</b>	<b>28.2</b>	<b>13.3</b>	<b>21.2</b>	<b>18.7</b>	<b>27.9</b>
Rural	46.4	32.9	46.8	25.5	39.8	25.4	39.5	19.9	30.8	13.8	19.4
Urban	26.7	12.2	22.3	10.4	22.4	8.0	16.3	5.6	10.9	4.6	9.5

Source: DHS 1988, 1993, 1998, 2003, 2008; \* PHC 2010

## 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	151.2	131.8	109.7	109.0	65.0	67
Central	138.3	71.6	83.8	50.0	73.0	55	208.2	128.0	142.1	90.0	108.0	88
Greater Accra	57.7	58.4	41.4	45.0	36.0	37	103.8	100.2	62.0	75.0	50.0	56
Volta	73.5	77.8	53.8	75.0	37.0	68	132.7	116.4	98.0	113.0	50.0	89
Eastern	70.1	55.9	50.2	64.0	53.0	38	138.1	93.2	89.1	95.0	81.0	61
Ashanti	69.8	65.2	41.9	80.0	54.0	43	144.2	97.6	78.2	116.0	80.0	86
Brong Ahafo	65.0	48.7	77.3	58.0	37.0	66	122.6	94.6	128.7	91.0	76.0	104
Northern	103.1	113.7	70.1	69.0	70.0	66	221.8	237.0	171.3	154.0	137.0	124
Upper East	103.1	105.0	81.5	33.0	46.0	58	221.8	180.1	155.3	79.0	78.0	98
Upper West	103.1	84.5	70.6	105.0	97.0	69	221.8	187.7	155.6	208.0	142.0	108
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	162.5	149.2	122.0	118.0	90.0	94
Urban	66.9	54.9	42.6	55.0	49.0	46	131.1	89.9	76.8	93.0	75.0	72

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)	103.4	N/A	N/A
2	Population age structure (%) ( <u>male</u> )	48.8	N/A	N/A
3	Population age structure (%) ( <u>female</u> )	51.2	N/A	N/A
4	Median age of population (2012)	20.8	19	30
5	Proportion of population below 15 years (%) (2012)	39	43	26
6	Proportion of population above 60 years (%) (2012)	5	5	11
7	Proportion of population living in urban areas (%) (2012)	15	39	53
8	Coverage of birth registration (%) (2012)	63	N/A	N/A
9	Coverage of death registration (%) (2012)	N/A	N/A	N/A
10	Adult mortality rate (15 - 60 years) per 1,000 population – male (2012)	263	343	187
11	Adult mortality rate (15 - 60 years) per 1,000 population – female (2012)	227	298	124
12	Adult mortality rate (15 - 60 years) per 1,000 population – both sexes (2012)	N/A	N/A	N/A
13	Life expectancy at birth ( <u>male</u> ) (2012)	61	56	68
14	Life expectancy at birth ( <u>female</u> ) (2012)	64	59	73
15	Life expectancy at birth ( <u>both sexes</u> ) (2012)	62	58	70
16	Net primary school enrolment ratio - <u>male</u> (%) (2006-2012)	84	81	92
17	Net primary school enrolment ratio - <u>female</u> (%) (2006-2012)	81	77	90
18	Total gross domestic product (2012)	\$83.79 billion	N/A	N/A
19	Gross domestic product per capita (2012)	\$3,400	N/A	N/A
20	Annual economic growth rate (%) (2012)	7.9	N/A	N/A
22	Population living on less than 1 US\$ dollar per day (2006-2012)	28.6	51.5	21.5

N/A: Not available

Source: World Health Statistics 2012 – WHO;

The World Fact book: [www.cia.gov/library/publications/the-world-factbook/geos/GH](http://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) (2011)	70	114	N/A	49
2	Unmet need for family planning (%)	36	25	N/A	12
3	Prevalence of HIV among adults aged 15 years and above per 100,000 population	930	167	N/A	33
4	Proportion of <u>males</u> aged 15-24 years with comprehensive correct knowledge of HIV/AIDS (%) (2006-2010)	34	35	N/A	N/A
5	Proportion of <u>females</u> aged 15-24 years with comprehensive correct knowledge of HIV/AIDS (%) (2006-2010)	28	29	N/A	N/A
6	Antiretroviral therapy coverage among people with advanced HIV infection (%) (2006-2012)	58	63	N/A	61
7	Malaria mortality rate per 100,000 population				
8	Children aged less than 5 years sleeping under insecticide-treated bed-nets (%) (2006-2012)	38	25	N/A	N/A
9	Children aged less than 5 years who received any antimalarial treatment for fever (%) (2006-2012)	53	N/A	N/A	N/A
10	Access to improved drinking-water sources (%) (2012)	87	66	N/A	90
11	Access to improved sanitation (%) (2012)	14	33	N/A	64
12	Infants exclusively breastfed for the first 6 months of life (2006-2012)	46	35	N/A	37
13	Alcohol consumption among adults aged 15 years and above (liters per person per year) (2010)	4.8	6	N/A	6.2
14	Prevalence of tobacco use – <u>male</u> (%) (2011)	14	22	N/A	36
15	Prevalence of tobacco use – <u>female</u> (%) (2011)	7	7	N/A	8

NA: Data Not Available

Source: World Health Statistics 2014 - WHO

## 2.7 Health Expenditure Indicators

	<b>Indicator</b>	<b>Ghana Value</b>	<b>Africa Average</b>	<b>Global Average</b>
1	Total expenditure on health as % of gross domestic product (2011)	5.3	6.2	9.1
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	1007
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, 2012

REGION	TEACHING HOSPITALS	REGIONAL HOSPITALS	PSYCHIATRIC HOSPITALS	HOSPITALS				POLY CLINIC		DISTRICT HOSPITAL		HEALTH CENTRE AND CLINICS				MATERNITY HOMES		CHPS	GRAND TOTAL
	GOVT	GOVT	GOVT	GOVT	MISSION	PRIVATE	QUASI GOVT	GOVT	MISSION	GOVT	MISSION	GOVT	MISSION	PRIVATE	QUASI GOVT	MISSION	PRIVATE	GOVT	
ASHANTI	1	1		10	18	68	1	1		14	3	158	38	178	19	2	111	36	649
BRONG AHAFO		1		2	6	6	1	1		11	6	154	17	34	4		49	46	336
CENTRAL		1	1	6	5	10	1			7	2	105	15	85	10		45	115	402
EASTERN		1		9	3	9	2	1		10	3	193	19	73	13	1	43	315	686
GREATER ACCRA	1	1	2	6	5	90	7	11		4		75	6	284	25		100	21	632
NORTHERN	1	1		3	3	6	2	3	1	6	2	133	38	15	7		10	100	328
UPPER EAST		1								4	1	60	14	18	1		2	103	204
UPPER WEST		1				3	2			3		63	17	8	0		6	90	193
VOLTA		1		7	10	6		1	1	8		246	14	36	8		30	82	443
WESTERN		1		4	3	5	2	2		8	1	90	20	52	6	1	36	142	371
GRAND TOTAL	3	10	3	47	56	202	16	20	2	75	18	1277	198	783	93	4	432	1050	4244

### 3.2 Number of Hospital Beds by Region and Ownership - 2012

<b>Region</b>	<b>Government</b>	<b>CHAG</b>	<b>Islamic</b>	<b>Quasi Government</b>	<b>Private</b>	<b>Total</b>	<b>% By Region</b>
Ashanti	1080	1070	143	211	65	<b>2,592</b>	13.5
Brong Ahafo	889	1174	36	0	95	<b>2,194</b>	11.4
Central	1094	443	0	75	0	<b>1,612</b>	8.4
Eastern	1793	989	0	151	30	<b>2,963</b>	15.5
Greater Accra	2049	38	0	50	0	<b>2,137</b>	11.1
Northern	1036	394	0	0	16	<b>1,446</b>	7.5
Upper East	615	289	0	0	55	<b>959</b>	5.0
Upper West	450	316	44	0	15	<b>825</b>	4.3
Volta	1364	741	0	0	241	<b>2,346</b>	12.2
Western	1,358	366	92	40	246	<b>2,102</b>	11.0
<b>Total</b>	<b>11,728</b>	<b>5,820</b>	<b>315</b>	<b>527</b>	<b>763</b>	<b>19,176</b>	<b>100.0</b>
<b>% By Ownership</b>	61.2	30.4	1.6	2.7	4.0	100.0	

Source: CHIM/PPME-GHS

NB: Data for Quasi Government and Private Hospitals are incomplete

### 3.3 Distribution of Health Professionals by Region – 2012

<b>Profession</b>	<b>Ashanti</b>	<b>Brong Ahafo</b>	<b>Central</b>	<b>Eastern</b>	<b>Greater Accra</b>	<b>Northern</b>	<b>Upper East</b>	<b>Upper West</b>	<b>Volta</b>	<b>Western</b>	<b>Grand Total</b>
Medical Officers	630	145	107	166	1085	117	27	18	91	91	2477
Dental Surgeons	125	35	20	41	196	27	15	14	24	37	534
Pharmacists	208	110	82	119	176	100	65	33	85	76	1054
Medical Assistants	1789	672	713	921	2941	785	424	259	659	614	9777
Professional Nurses	1186	882	905	1338	1419	697	718	466	1044	1062	9717
Auxiliary Nurses	754	368	302	489	862	289	198	147	356	269	4034
Physiotherapists	25	17	5	5	34	7	3	1	8	5	110
Health Services Administrator	46	15	21	32	48	16	7	8	21	15	229
Health Educators	11	15	9	4	29	2	2	4	5	5	86
Architects & Engineers	31	5	10	8	50	14	4	3	18	6	149
Accountants/Accounts Officers	390	224	159	211	495	185	121	76	219	131	2211
Dispensing Technician/Assistants	369	112	78	147	239	78	42	32	105	91	1293
Estate Officers	13	7	12	9	18	11	3	3	7	5	88
Health Research Officers	3	11	1	1	20	0	15	1	1	0	53
Dental Technologists/Therapists	16	2	8	11	35	6	4	1	8	8	99
Biostatistics Officers	27	8	2	4	15	5	1	2	7	2	73
Catering Officers/Cooks	86	56	100	71	204	83	47	22	100	78	847
Dieticians	1	0	2	2	9	0	0	0	2	0	16
Nutrition Officers	19	11	7	6	11	16	13	8	8	3	102
Technical Officers	355	228	174	264	455	146	95	85	205	175	2182
Administrative Staff	185	54	41	49	198	84	22	20	67	30	750
Health Planner	0	0	2	2	16	0	1	1	0	0	22

<b>Profession</b>	<b>Ashanti</b>	<b>Brong Ahafo</b>	<b>Central</b>	<b>Eastern</b>	<b>Greater Accra</b>	<b>Northern</b>	<b>Upper East</b>	<b>Upper West</b>	<b>Volta</b>	<b>Western</b>	<b>Grand Total</b>
Other Technical Staff	285	194	131	186	309	162	71	79	98	112	1627
Artisans/Tradesmen	107	69	103	78	121	63	37	38	125	57	798
Security Guard/Watchmen	179	143	124	80	165	134	78	48	138	88	1177
Other Staff	1753	829	882	1312	2276	820	404	361	1439	873	10949
<b>Grand Total</b>	<b>8593</b>	<b>4212</b>	<b>4000</b>	<b>5556</b>	<b>11426</b>	<b>3847</b>	<b>2417</b>	<b>1730</b>	<b>4840</b>	<b>3833</b>	<b>50454</b>

**Source:** HRD-GHS

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

### 3.4 Doctor to Population Ratio

REGION	2012		2011		2010		2009		2008	
	Number of Doctors	Doctor Population Ratio								
Ashanti	519	9,715	630	7,793	684	7,184	589	8,288	495	9,861
Brong Ahafo	154	15,705	154	15,352	99	22,967	134	16,919	103	22,012
Central	104	22,505	107	21,216	113	18,218	84	22,877	72	26,689
Eastern	139	19,748	166	16,195	163	15,801	148	16,132	134	17,817
Greater Accra	1,209	3,526	1,085	3,810	935	4,099	839	5,103	827	5,177
Northern	137	19,163	117	21,801	134	18,257	46	50,751	33	70,744
Upper East	27	39,697	27	39,226	33	31,214	29	35,010	30	33,843
Upper West	18	40,502	18	39,747	25	27,050	14	47,932	15	44,736
Volta	90	24,728	91	23,859	64	32,605	73	26,538	68	28,490
Western	89	27,775	91	26,632	75	31,190	77	33,187	78	32,761
<b>National</b>	<b>2,486</b>	<b>9,327</b>	<b>2,477</b>	<b>10,209</b>	<b>2,325</b>	<b>10,423</b>	<b>2033</b>	<b>11,929</b>	<b>1855</b>	<b>13,074</b>

Source: CHIM/HRD-GHS

### 3.5 Nurse to Population Ratio

REGION	2012		2011		2010		2009		2008	
	Number of Nurses	Nurse Population Ratio								
Ashanti	2,096	1,550	1,789	1,568	4,252	1,156	4,161	1,173	3,533	1,382
Brong Ahafo	720	1,470	672	1,495	1,826	1,245	2,283	993	1,940	1,169
Central	858	1,250	713	1,309	1,715	1,200	2,369	881	2,104	913
Eastern	1,019	1,237	921	1,173	2,703	953	2,871	832	2,454	973
Greater Accra	3,336	917	2,941	1,255	4,793	800	4,897	874	4,656	919
Northern	900	1,601	785	1,547	1,716	1,426	1,708	1,367	1,480	1,577
Upper East	505	930	424	914	1,112	926	1,262	805	1,051	966
Upper West	288	941	259	950	803	842	895	750	758	885
Volta	712	1,244	659	1,242	1,914	1,090	2,421	800	2,132	909
Western	691	1,422	614	895	1,673	1,398	2,107	1,213	1,753	1,458
<b>National</b>	<b>11,125</b>	<b>1,251</b>	<b>9777</b>	<b>1,240</b>	<b>22,507</b>	<b>1,077</b>	<b>24,974</b>	<b>971</b>	<b>21,861</b>	<b>1,109</b>

REGION	2007		2006		2005		2004	
	Number of Nurses	Nurse Population Ratio	Number of Nurse	Nurse Population Ratio	Number of Nurses	Nurse Population Ratio	Number of Nurses	Nurse Population Ratio
Ashanti	2,251	2,024	2,067	2,136	2,019	2,115	1,947	2,121
Brong Ahafo	1,099	1,099	1,034	2,036	1,020	2,014	985	2,034
Central	1,249	1,476	1,145	1,577	1,144	1,546	1,101	1,573
Eastern	1,977	1,173	1,831	1,251	1,878	1,203	1,851	1,203
Greater Accra	4,011	979	3,789	993	3,693	976	3,564	969
Northern	1,131	1,868	1,011	2,126	1,044	2,002	978	2,079
Upper East	798	1,243	757	1,298	711	1,367	689	1,395
Upper West	537	1,266	485	1,315	464	1,352	451	1,368
Volta	1,474	1,266	1,406	1,302	1,421	1,264	1,431	1,232
Western	1,197	1,993	982	2,368	990	2,276	974	2,241
<b>National</b>	<b>15,724</b>	<b>1,454</b>	<b>13,971</b>	<b>1,510</b>	<b>12,449</b>	<b>1,649</b>	<b>13,971</b>	<b>1,510</b>

Source: CHIM/HRD-GHS

### 3.6 Hospital Bed Utilisation Statistics

Region	Percentage Occupancy								Average Length of Stay							
	2012	2011	2010	2009	2008	2007	2006	2005	2012	2011	2010	2009	2008	2007	2006	2005
Ashanti	53.5	50.4	69.4	65.5	63.3	65.1	54.3	60.6	2.8	2.6	3.9	4.0	4.2	4.8	4.4	4.8
Brong Ahafo	55.4	63.5	62.2	57.9	60.5	66.5	55.3	57.5	3.5	3.6	3.8	3.5	3.9	3.9	4.0	4.5
Central	66.5	56.4	50.5	51.4	52.5	49.9	46.2	50.2	4.6	4.5	3.6	3.5	4.0	4.1	3.8	4.0
Eastern	56.7	59.6	57.4	55.9	55.6	54.3	50.7	50.3	3.7	4.1	4.2	4.2	4.4	5.0	4.9	4.7
Greater Accra	116.6	87.7	86.1	78.3	72.0	68.5	61.5	68.0	5.6	4.7	6.4	6.0	6.4	6.4	6.3	6.2
Northern	82.2	82.2	71	59.1	61.3	55.1	49.0	60.8	2.8	2.9	3	2.2	2.7	3.0	3.5	3.1
Upper East	64.0	60.1	52.5	49.7	42.2	45.9	41.1	45.9	2.8	2.7	2.7	2.8	2.9	3.0	3.1	3.0
Upper West	79.6	72.6	66.1	62.1	59.4	53.5	43.2	52.1	2.8	3.2	3.5	3.5	3.4	3.7	3.6	3.4
Volta	66.5	61.0	52.9	54.1	51.1	50.6	46.3	45.3	4.1	4.2	4.2	4.5	4.9	5.7	5.6	5.6
Western	48.3	56.9	53.8	52.0	51.5	48.7	49.4	51.9	2.8	3.2	3.3	3.3	3.7	3.9	4.1	4.2
<b>National</b>	<b>64.5</b>	<b>51.4</b>	<b>63.2</b>	<b>59.8</b>	<b>58.3</b>	<b>57.4</b>	<b>51.3</b>	<b>55.2</b>	<b>3.5</b>	<b>3.6</b>	<b>3.9</b>	<b>3.8</b>	<b>4.2</b>	<b>4.5</b>	<b>4.5</b>	<b>4.5</b>

Region	Turnover Per Bed								Turnover Interval							
	2012	2011	2010	2009	2008	2007	2006	2005	2012	2011	2010	2009	2008	2007	2006	2005
Ashanti	70.6	71.3	64.6	59.7	54.7	49.9	45.4	46.2	2.4	2.5	1.7	2.1	2.5	2.5	3.7	3.1
Brong Ahafo	57.4	65	60.5	59.8	56.6	61.6	49.9	47.0	2.8	2.0	2.3	2.6	2.6	2.0	3.3	3.3
Central	53.0	48.1	51	54.2	47.9	44.6	44.6	46.2	2.3	2.9	3.5	3.3	3.6	4.1	4.4	3.9
Eastern	56.3	52.9	49.7	49.0	46.1	39.7	38.1	38.8	2.8	2.8	3.1	3.3	3.5	4.2	4.7	4.7
Greater Accra	76.4	68	49.5	47.3	41.4	39.0	35.8	39.9	-0.8	0.7	1	1.7	2.5	2.9	3.9	2.9
Northern	106.0	100	87.8	98.2	81.6	66.1	51.4	71.4	0.6	0.6	1.2	1.5	1.7	2.5	3.6	2.0
Upper East	82.3	80.0	72	65.0	52.8	55.2	49.1	55.6	1.6	1.8	2.4	2.8	4.0	3.6	4.4	3.6
Upper West	102.4	83.1	68.9	64.0	63.2	52.1	43.8	55.4	0.7	1.2	1.8	2.2	2.4	3.3	4.7	3.2
Volta	60.0	52.9	46.3	44.1	38.4	32.5	30.4	29.8	2.0	2.6	3.7	3.8	4.7	5.6	6.4	6.7
Western	62.7	65.4	60.3	57.0	50.6	45.7	44.3	45.0	3.0	2.4	2.8	3.1	3.5	4.1	4.2	3.9
<b>National</b>	<b>68.0</b>	<b>68.7</b>	<b>58.8</b>	<b>57.1</b>	<b>51.1</b>	<b>46.5</b>	<b>42.0</b>	<b>44.4</b>	<b>1.9</b>	<b>2.0</b>	<b>2.3</b>	<b>2.6</b>	<b>3.0</b>	<b>3.3</b>	<b>4.2</b>	<b>3.7</b>

Source: CHIM/PPME-GHS

## 4.0 Health Service Outputs

### 4.1 Number of Outpatient Attendance by Region

<b>Region</b>	<b>2012</b>	<b>2011</b>	<b>2010</b>	<b>2009</b>	<b>2008</b>	<b>2007</b>	<b>2006</b>
Ashanti	4,846,942	5,773,869	4,728,463	4,323,256	3,427,329	3,272,767	2,613,618
Brong Ahafo	3,933,372	3,504,469	3,329,194	2,612,168	2,869,659	2,193,079	1,912,396
Central	2,338,360	1,802,886	1,259,663	1,370,625	1,281,602	1,293,818	900,881
Eastern	3,771,103	3,166,197	2,668,644	2,272,375	2,279,528	2,186,024	1,477,204
Greater Accra	4,040,356	2,651,707	3,731,034	2,179,283	2,105,980	2,352,191	1,785,471
Northern	1,845,607	1,589,509	1,385,832	1,245,261	1,113,699	685,085	652,054
Upper East	2,129,019	1,459,504	1,516,610	1,387,025	1,018,813	689,124	538,202
Upper West	814,406	758,084	598,533	484,513	459,309	420,775	290,449
Volta	2,240,690	1,883,185	1,515,544	1,335,027	1,378,484	958,330	745,979
Western	3,550,476	3,271,384	2,650,328	2,538,306	2,140,855	1,724,606	1,324,909
<b>National</b>	<b>29,510,331</b>	<b>25,860,794</b>	<b>23,383,845</b>	<b>19,747,839</b>	<b>18,075,258</b>	<b>15,775,799</b>	<b>12,241,163</b>

<b>Region</b>	<b>2005</b>	<b>2004</b>	<b>2003</b>	<b>2002</b>	<b>2001</b>	<b>2000</b>
Ashanti	2,711,662	2,517,396	2,459,629	2,226,059	1,845,741	108,441
Brong Ahafo	1,502,660	1,350,769	1,248,955	1,190,139	1,169,682	64,735
Central	875,734	860,430	824,193	734,932	658,715	49,169
Eastern	1,278,852	1,186,311	1,057,649	984,570	962,951	71,106
Greater Accra	1,828,929	1,779,887	1,621,972	1,639,943	1,611,198	76,956
Northern	681,667	638,455	526,678	536,880	623,417	58,856
Upper East	561,182	565,659	561,455	604,645	481,298	34,483
Upper West	339,923	307,946	289,252	294,325	286,333	24,887
Volta	750,000	735,727	664,788	610,526	636,209	56,329
Western	1,114,579	1,128,674	964,450	931,615	924,005	61,472
<b>National</b>	<b>11,650,188</b>	<b>11,071,254</b>	<b>10,219,021</b>	<b>9,753,634</b>	<b>9,199,549</b>	<b>606,434</b>

Source: CHIM/PPME-GHS

## 4.2 Outpatient Attendance per Capita

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

<b>Region</b>	<b>2012</b>	<b>2011</b>	<b>2010</b>	<b>2009</b>	<b>2008</b>	<b>2007</b>	<b>2006</b>	<b>2005</b>	<b>2004</b>	<b>2003</b>	<b>2002</b>	<b>2001</b>	<b>2000</b>
Ashanti	0.96	1.1	1.04	0.89	0.73	0.72	0.59	0.63	0.61	0.62	0.58	0.56	0.50
Brong Ahafo	1.63	1.4	1.25	1.15	1.30	1.02	0.91	0.73	0.67	0.64	0.62	0.62	0.61
Central	1.00	1.0	0.81	0.71	0.68	0.70	0.50	0.50	0.50	0.49	0.44	0.41	0.34
Eastern	1.38	1.1	1.04	0.95	0.97	0.94	0.65	0.57	0.53	0.48	0.45	0.45	0.44
Greater Accra	0.95	0.7	0.97	0.51	0.51	0.60	0.47	0.51	0.52	0.49	0.52	0.53	0.45
Northern	0.70	0.7	0.54	0.53	0.49	0.31	0.30	0.33	0.31	0.27	0.28	0.33	0.36
Upper East	1.99	1.7	1.47	1.37	1.01	0.69	0.55	0.58	0.59	0.59	0.64	0.52	0.53
Upper West	1.12	1.4	0.91	0.72	0.70	0.65	0.46	0.54	0.50	0.48	0.49	0.49	0.49
Volta	1.01	0.7	0.76	0.69	0.73	0.51	0.41	0.42	0.42	0.38	0.36	0.39	0.39
Western	1.44	1.1	1.16	0.69	0.86	0.72	0.57	0.49	0.52	0.46	0.45	0.49	0.43
<b>National</b>	<b>1.14</b>	<b>1.0</b>	<b>0.98</b>	<b>0.81</b>	<b>0.77</b>	<b>0.69</b>	<b>0.55</b>	<b>0.54</b>	<b>0.52</b>	<b>0.50</b>	<b>0.49</b>	<b>0.49</b>	<b>0.45</b>

Source: CHIM/PPME

#### 4.3 Number of Inpatient Admissions by Region

<b>Region</b>	<b>2012</b>	<b>2011</b>	<b>2010</b>	<b>2009</b>	<b>2008</b>	<b>2007</b>	<b>2006</b>
Ashanti	234,092	206,415	225,629	207,089	145,316	163,357	147,223
Brong Ahafo	165,801	135,478	123,187	111,521	104,976	83,034	81,607
Central	103,453	83,030	79,562	77,620	60,658	96,404	67,628
Eastern	172,819	149,163	139,159	127,050	121,985	99,555	91,578
Greater Accra	119,432	99,734	132,975	112,314	79,974	136,823	92,890
Northern	186,069	155,020	118,499	116,818	66,146	69,185	60,547
Upper East	87,349	71,825	66,538	56,324	48,507	57,428	41,166
Upper West	62,690	58,106	51,605	44,287	42,061	36,721	29,716
Volta	125,588	112,866	101,653	93,829	83,093	70,162	69,919
Western	149,276	132,651	121,263	115,246	94,037	88,332	85,446
<b>National</b>	<b>1,406,569</b>	<b>1,204,288</b>	<b>1,160,070</b>	<b>1,062,098</b>	<b>846,753</b>	<b>901,001</b>	<b>767,720</b>

<b>Region</b>	<b>2005</b>	<b>2004</b>	<b>2003</b>	<b>2002</b>	<b>2001</b>	<b>2000</b>
Ashanti	158,436	153,891	150,209	133,495	107,029	108,441
Brong Ahafo	77,798	67,931	67,009	62,531	65,211	64,735
Central	63,932	59,611	55,820	54,871	52,999	49,169
Eastern	100,222	82,859	99,469	90,329	87,163	71,106
Greater Accra	98,561	81,874	76,606	88,299	91,009	76,956
Northern	67,063	72,368	74,733	69,801	67,323	58,856
Upper East	42,971	41,695	39,164	38,910	35,382	34,483
Upper West	36,047	32,157	30,656	31,846	28,580	24,887
Volta	70,000	68,144	66,241	63,844	57,081	56,329
Western	85,407	84,908	78,984	71,949	67,737	61,472
<b>National</b>	<b>800,437</b>	<b>745,438</b>	<b>738,891</b>	<b>705,875</b>	<b>659,514</b>	<b>606,434</b>

Source: CHIM/PPME-GHS

#### 4.4 Hospital Admission Rate

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

Region	2012	2011	2010	2009	2008	2007	2006	2005	2004	2003	2002	2001	2000
Ashanti	46.43	40.9	45.92	42.42	30.78	35.78	33.3	37.1	37.3	37.6	34.6	28.7	30.0
Brong Ahafo	68.56	56.0	54.18	49.19	47.46	38.48	38.8	37.9	33.9	34.3	32.8	35.0	35.7
Central	44.20	35.5	38.65	40.39	32.23	52.30	37.5	36.2	34.4	32.9	33.0	32.9	31.1
Eastern	62.96	54.3	54.03	53.21	51.81	42.87	40.0	44.4	37.2	45.3	41.7	40.8	33.7
Greater Accra	28.02	23.4	34.69	26.23	19.50	34.83	25.0	27.3	23.7	23.2	27.9	30.0	26.4
Northern	70.87	59.0	48.44	50.04	29.13	31.32	28.2	32.1	35.6	37.8	36.3	35.3	31.7
Upper East	81.50	67.0	64.6	55.48	48.30	57.81	41.9	44.2	43.4	41.2	41.4	38.2	37.6
Upper West	85.99	79.7	76.31	66.00	63.75	56.60	46.6	57.5	52.1	50.6	53.4	49.0	43.4
Volta	56.43	50.7	48.71	48.43	43.71	37.61	38.2	39.0	38.7	38.3	37.6	34.8	34.9
Western	60.39	53.7	51.84	45.10	37.98	36.82	37.0	37.9	38.9	37.3	35.1	35.7	33.4
<b>National</b>	<b>54.24</b>	<b>46.4</b>	<b>47.87</b>	<b>43.79</b>	<b>35.91</b>	<b>39.29</b>	<b>34.4</b>	<b>36.9</b>	<b>35.3</b>	<b>36.0</b>	<b>35.3</b>	<b>34.9</b>	<b>32.1</b>

Source: CHIM/PPME-GHS

#### 4.5 Case Fatality Rate for Malaria

Region	2012		2011		2010		2009		2008		2007	
	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	0.35	0.39	0.39	0.37	0.76	0.59	0.6	0.5	0.7	0.5	3.0	1.5
Brong Ahafo	0.77	0.97	1.13	1.25	1.59	1.38	1.3	1.1	1.4	1.1	1.6	1.5
Central	0.98	1.89	1.84	3.04	1.81	2.81	2.9	3.2	3.0	3.4	3.9	3.9
Eastern	0.38	0.46	0.50	0.47	0.76	0.76	0.8	0.8	1.0	0.8	1.5	1.3
Greater Accra	0.66	0.91	0.94	1.13	3.06	2.33	1.0	1.2	1.2	1.5	1.5	4.0
Northern	1.19	1.01	1.74	1.54	2.41	2.03	3.0	2.6	3.3	2.6	2.8	2.1
Upper East	0.70	1.00	0.95	1.23	1.40	1.61	1.6	1.8	2.0	1.9	2.1	1.9
Upper West	0.70	1.42	1.16	1.56	1.02	1.25	1.6	1.8	0.8	1.1	1.3	1.4
Volta	0.95	1.26	0.15	0.40	1.56	1.78	1.9	2.3	2.1	2.9	3.0	2.7
Western	0.78	0.77	0.83	0.82	1.36	1.21	1.8	1.5	2.1	1.9	3.0	2.7
<b>National</b>	<b>0.78</b>	<b>0.92</b>	<b>1.04</b>	<b>1.11</b>	<b>1.47</b>	<b>1.41</b>	<b>1.7</b>	<b>1.6</b>	<b>1.6</b>	<b>1.4</b>	<b>2.4</b>	<b>2.1</b>

#### 4.5 Top Twenty Causes of Outpatient Morbidity 2009-2012

	Diseases	2012		Diseases	2011	
		Number of Cases	% of Total		Number of Cases	% of Total
1	Malaria	10,640,142	37.0	Malaria	10,171,448	40.0
2	Upper Respiratory Tract Infections	3,258,917	11.3	Other ARI(Acute Respiratory Infection)	2,718,135	10.7
3	Skin Diseases	1,357,654	4.7	Skin Diseases & Ulcers	1,168,196	4.6
4	Diarrhoea Diseases	1,319,427	4.6	Diarrhoea Diseases	1,083,005	4.3
5	Rheumatism & Other Joint Pains	1,139,999	4.0	Rheumatism and Joint Paints	948,428	3.7
6	Hypertension	964,724	3.4	Hypertension	860,745	3.4
7	Anaemia	759,151	2.6	Anaemia	555,159	2.2
8	Intestinal Worms	651,873	2.3	Intestinal worms	540,733	2.1
9	Acute Eye Infection	549,897	1.9	Acute Eye infection	517,397	2.0
10	Acute Urinary Tract Infection	425,960	1.5	Acute Urinary Tract Infection	363,418	1.4
11	Other Acute Ear infection	276,102	1.0	Pregnancy and Related Complications	247,570	1.0
12	Typhoid Fever	265,979	0.9	Typhoid/Enteric Fever(Typhoid)	247,303	1.0
13	Pregnancy Related Complications	265,722	0.9	Acute Ear infection	238,910	0.9
14	Diabetes Mellitus	232,535	0.8	Home Accidents and Injuries	213,925	0.8
15	Gynaecological conditions	224,063	0.8	Diabetes Mellitus	204,812	0.8
16	Pneumonia	221,750	0.8	Gynaecological conditions	190,073	0.7
17	Home Injuries (Home Accidents and Injuries)	213,574	0.7	Vaginal Discharge	180,892	0.7
18	Vaginal Discharge	189,816	0.7	Pneumonia	177,404	0.7
19	Referrals	132,532	0.5	Road Trafic Accidents	108,201	0.4
20	Transport injuries (Road Traffic Accidents)	122,185	0.4	Dental Caries	98,996	0.4
	All other Diseases	5,516,685	19.2	All Other Diseases	4,606,662	18.1
	Total Cases	28,728,687	100		25,441,412	100

	Diseases	2010		Diseases	2009	
		Number of Cases	% of Total		Number of Cases	% of Total
1	Malaria	8,208,670	43.9	Malaria	7,096,440	46.2
2	Other ARI(Acute Respiratory Infection)	1,695,666	9.1	Other ARI(Acute Respiratory Infection)	1,306,354	8.5
3	Skin Diseases & Ulcers	814,224	4.3	Skin Diseases & Ulcers	622,391	4.1
4	Diarrhoea Diseases	737,804	3.9	Diarrhoea Diseases	590,286	3.8
5	Hypertension	644,134	3.4	Hypertension	497,845	3.2
6	Rheumatism and Joint Paints	603,834	3.2	Rheumatism and Joint Paints	429,708	2.8
7	Intestinal worms	374,637	2.0	Acute Eye infection	285,328	1.9
8	Acute Eye infection	325,269	1.7	Intestinal worms	256,699	1.7
9	Anaemia	321,792	1.7	Anaemia	211,318	1.4
10	Pregnancy and Related Complications	214,008	1.1	Pregnancy and Related Complications	201,566	1.3
11	Acute Urinary Tract Infection	209,728	1.1	Home Accidents and Injuries	167,689	1.1
12	Home Accidents and Injuries	181,254	1.0	Acute Urinary Tract Infection	157,383	1.0
13	Typhoid/Enteric Fever (Typhoid)	179,497	1.0	Typhoid/Enteric Fever (Typhoid)	141,607	0.9
14	Acute Ear infection	174,320	0.9	Gynaecological conditions	139,574	0.9
15	Gynaecological conditions	144,652	0.8	Acute Ear infection	134,661	0.9
16	Diabetes Mellitus	143,713	0.8	Pneumonia	106,858	0.7
17	Vaginal Discharge	127,920	0.7	Diabetes Mellitus	96,856	0.6
18	Pneumonia	121,477	0.6	Vaginal Discharge	96,160	0.6
19	Road Trafic Accidents	82,247	0.4	Road Trafic Accidents	76,423	0.5
20	Dental Caries	69,197	0.4	Dental Caries	63,646	0.4
	All Other Diseases	3,344,569	17.9	All Other Diseases	2,681,973	17.5
		<b>18,718,612</b>	<b>100</b>		<b>15,360,765</b>	<b>100</b>

**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 5<sup>th</sup> 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	2012	2011	2010	2009	2008	2007	2006
Ashanti	2.6	3.1	3.0	3.9	3.0	3.8	3.7
Brong Ahafo	2.0	2.0	2.0	2.9	2.6	3.3	2.8
Central	1.9	4.7	1.9	3.0	2.0	2.9	2.5
Eastern	3.6	3.6	3.2	4.2	4.5	4.2	4.9
Greater Accra	3.5	3.2	2.6	3.2	3.0	3.4	3.4
Northern	0.9	0.3	0.7	2.0	1.1	1.7	1.3
Upper East	2.1	1.5	2.4	2.2	2.0	2.5	3.2
Upper West	1.2	1.0	1.7	3.1	1.6	3.3	2.5
Volta	2.5	2.2	1.8	2.6	1.7	2.0	3.0
Western	2.4	1.9	2.5	3.1	2.9	3.2	4.3
<b>National</b>	<b>2.1</b>	<b>2.1</b>	<b>2.0</b>	<b>2.9</b>	<b>2.2</b>	<b>2.6</b>	<b>3.2</b>

Source: NACP/ PHD

### 5.2 HIV Prevalence among pregnant women by Age Groups

Age Group	2012	2011	2010	2009	2008	2007	2006
15 – 19 Yrs	0.7	1.9	1.1	1.9	1.2	1.6	1.4
20 – 24 Yrs	1.5	1.5	1.7	2.2	2.3	2.9	2.9
25 – 29 Yrs	2.8	2.7	2.5	3.7	3.0	3.5	4.2
30 – 34 Yrs	3.0	2.9	2.8	3.4	2.8	2.9	3.7
35 – 39 Yrs	3.3	2.8	2.8	3.6	2.9	3.5	2.8
40 – 44 Yrs	3.2	2.7	2.1	4.0	1.8	1.7	3.3
45 – 49 Yrs	0.0	2.8	2.7	1.8	2.6	1.3	2.5
<b>15 – 24 Yrs</b>	<b>1.3</b>	<b>1.7</b>	<b>1.5</b>	<b>2.1</b>	<b>1.9</b>	<b>2.9</b>	<b>2.5</b>

Source: NACP/ PHD

### 5.3 Guinea Worm Cases

Region	2012	2011	2010	2009	2008	2007	2006
Ashanti	0	0	0	2	5	18	53
Brong Ahafo	0	0	0	2	11	42	204
Central	0	0	0	0	1	0	0
Eastern	0	0	0	1	2	7	8
Greater Accra	0	0	0	0	0	2	1
Northern	0	0	0	237	479	3237	3679
Upper East	0	0	0	0	1	5	10
Upper West	0	0	0	0	1	23	93
Volta	0	0	0	0	1	22	86
Western	0	0	0	0	0	2	2
<b>National</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>242</b>	<b>501</b>	<b>3,358</b>	<b>4,136</b>

Source: Guinea Worm Eradication Programme

#### 5.4 Tuberculosis Case Detection per 100,000 Population

<b>Region</b>	<b>2012</b>	<b>2011</b>	<b>2010</b>	<b>2009</b>	<b>2008</b>	<b>2007</b>	<b>2006</b>	<b>2005</b>	<b>2004</b>	<b>2003</b>	<b>2002</b>
Ashanti	58	63	59	53	54	51	49	53	53.4	56.2	47.3
Brong Ahafo	43	44	37	38	30	36	31	28	32.7	33.6	39.2
Central	67	67	73	80	67	69	61	75	79.6	81.4	89.3
Eastern	65	68	72	80	71	71	72	75	67.0	76.2	80.8
Greater Accra	74	81	81	82	80	69	78	67	63.7	60.5	64.5
Northern	24	27	22	24	31	25	20	18	24.1	19.3	25.4
Upper East	57	68	63	48	48	51	32	34	38.5	36.5	35.9
Upper West	43	40	38	37	35	29	28	35	34.8	31.7	52.7
Volta	71	71	66	80	68	58	61	64	69.6	69.8	68.0
Western	66	74	76	74	74	73	75	76	66.6	78.5	78.6
<b>National</b>	<b>61</b>	<b>63</b>	<b>63</b>	<b>64</b>	<b>61</b>	<b>57</b>	<b>57</b>	<b>57</b>	<b>56.6</b>	<b>58.4</b>	<b>59.1</b>

Source: National TB Programme (PHD)

#### 5.5 Tuberculosis Cure Rate

<b>Region</b>	<b>2012</b>	<b>2011</b>	<b>2010</b>	<b>2009</b>	<b>2008</b>	<b>2007</b>	<b>2006</b>	<b>2005</b>	<b>2004</b>	<b>2003</b>	<b>2002</b>
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
<b>National</b>	<b>74.5</b>	<b>75.5</b>	<b>75.6</b>	<b>79.1</b>	<b>78.8</b>	<b>77.5</b>	<b>76.1</b>	<b>67.6</b>	<b>64.0</b>	<b>61.0</b>	<b>55.1</b>

Source: National TB Programme (PHD)

## 5.6 Tuberculosis Success Rate

<b>Region</b>	<b>2012</b>	<b>2011</b>	<b>2010</b>	<b>2009</b>	<b>2008</b>	<b>2007</b>	<b>2006</b>	<b>2005</b>	<b>2004</b>	<b>2003</b>	<b>2002</b>
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
<b>National</b>	<b>86.7</b>	<b>86.2</b>	<b>85.5</b>	<b>87.0</b>	<b>85.6</b>	<b>84</b>	<b>79</b>	<b>73</b>	<b>72</b>	<b>70</b>	<b>68</b>

Source: National TB Programme (PHD)

## 6.0 Expanded Programme On Immunization

REGION	6.1 Measles Immunisation Coverage Rate, 2000 - 2012												
	2012	2011	2010	2009	2008	2007	2006	2005	2004	2003	2002	2001	2000
Ashanti	87	84.7	87.8	87.1	80.7	77.7	73.7	79	68	70	77.0	83.9	68.7
Brong Ahafo	97	96.4	95.5	93.9	96.6	102.0	99.4	89	87	86	87.0	91.1	102.0
Central	88	98.5	97.4	98.1	94.4	94.0	89.0	85	83	81	83.5	80.5	79.0
Eastern	87	94.4	96.0	94.0	95.1	95.5	93.8	92	86	93	91.6	84.7	87.9
Greater Accra	78	71.4	71.2	74.0	67.3	69.2	65.9	67	63	66	75.6	70.0	65.8
Northern	113	112.4	107.1	119.7	109.2	116.4	112.4	96	94	92	106.4	90.0	100.6
Upper East	83	85.0	83.6	105.9	93.1	102.2	95.8	85	88	84	93.3	77.0	95.7
Upper West	75	75.8	82.0	90.6	90.0	97.7	101.1	78	92	88	89.7	90.9	90.2
Volta	77	78.9	78.4	78.3	78.8	78.8	71.0	69	70	68	65.3	71.7	68.3
Western	96	86.4	85.7	85.2	87.5	92.1	90.3	80	86	87	86.8	92.1	89.2
<b>National</b>	<b>89</b>	<b>87.7</b>	<b>87.7</b>	<b>89.1</b>	<b>86.5</b>	<b>88.6</b>	<b>85.1</b>	<b>81</b>	<b>78</b>	<b>79</b>	<b>83.8</b>	<b>82.4</b>	<b>81.5</b>

Source: Expanded Programme on Immunisation

REGION	6.2 Penta 3 (DPT3) Immunisation Coverage Rate, 2000 - 2012												
	2012	2011	2010	2009	2008	2007	2006	2005	2004	2003	2002	2001	2000
Ashanti	88	85	86.5	83.7	76.8	72.3	71.0	73	66	66	70.3	74.2	68.3
Brong Ahafo	96	94	94.3	95.0	97.3	100.2	96.8	91	83	81	82.7	86.9	97.7
Central	86	95	94.3	96.6	92.2	92.6	88.4	88	86	83	82.0	81.3	90.4
Eastern	87	93	93.6	94.5	93.0	93.0	88.6	89	79	81	80.1	67.7	91.4
Greater Accra	85	66	70.1	72.7	68.3	67.8	65.4	66	55	62	71.5	64.8	65.0
Northern	110	114	109.2	123.0	114.5	123.7	115.2	112	93	85	90.2	82.3	91.2
Upper East	84	87	83.1	105.9	94.8	101.6	92.6	97	87	83	90.7	77.1	99.9
Upper West	76	83	83.0	90.1	87.5	93.9	92.4	76	90	87	84.9	91.2	102.5
Volta	78	81	81.4	82.9	83.8	83.8	77.5	75	71	67	64.7	72.7	68.1
Western	95	89	86.4	88.6	89.0	93.3	91.1	85	86	88	85.4	85.7	84.5
<b>National</b>	<b>88</b>	<b>87</b>	<b>87.1</b>	<b>89.3</b>	<b>86.6</b>	<b>87.8</b>	<b>84.2</b>	<b>83</b>	<b>76</b>	<b>76</b>	<b>78.1</b>	<b>76.3</b>	<b>81.6</b>

Source: Expanded Programme on Immunisation

REGION	6.3 OPV3 Immunisation Coverage Rate, 2000 - 2012													
	2012	2011	2010	2009	2008	2007	2006	2005	2004	2003	2002	2001	2000	
Ashanti	87.5	84.7	86.3	83.61	76.7	72.3	70.6	72	66	68.0	70.5	76.1	68.5	
Brong Ahafo	95.2	93.8	94.1	93.76	97.2	101.3	97.1	91	82	80.2	81.2	86.2	96.1	
Central	86.5	94.4	92.9	93.66	90.9	92.7	88.2	102	89	83.9	85.5	81.1	91.2	
Eastern	87.4	92.6	93.1	94.15	92.7	93.3	88.8	91	79	81.3	80.4	69.2	84.3	
Greater Accra	74.5	66.1	70.3	72.28	68.4	67.4	64.8	66	56	60.5	71.8	65.4	66.4	
Northern	109.2	114.1	109.0	122.13	114.2	122.5	113.3	112	93	84.7	92.0	74.4	90.9	
Upper East	86.4	86.5	82.8	105.35	89.2	100.8	92.6	96	87	82.9	91.9	74.2	100.6	
Upper West	75.7	79.8	81.7	89.27	87.4	93.8	92.3	75	90	86.2	85.0	92.2	103.1	
Volta	77.3	81.2	81.5	83.11	83.8	83.6	78.0	76	71	67.1	65.0	71.5	71.1	
Western	93.9	87.9	86.0	88.00	88.4	92.4	89.6	85	86	87.4	87.1	87.1	83.7	
<b>National</b>	<b>87.4</b>	<b>86.7</b>	<b>86.8</b>	<b>88.69</b>	<b>86.1</b>	<b>87.6</b>	<b>83.7</b>	<b>84</b>	<b>76</b>	<b>75.5</b>	<b>78.8</b>	<b>75.9</b>	<b>81.0</b>	

Source: Expanded Programme on Immunisation

REGION	6.4 BCG Immunisation Coverage Rate, 2000 - 2012													
	2012	2011	2010	2009	2008	2007	2006	2005	2004	2003	2002	2001	2000	
Ashanti	105.4	107.1	105.5	101.6	95.7	90.5	87.5	86	72	77.0	84.2	92.6	80.0	
Brong Ahafo	114.1	114.4	111.6	111.1	111.6	114.5	111.6	99	98	96.7	94.6	94.8	101.5	
Central	114.1	124.0	120.5	123.9	118.6	124.0	114.5	115	111	109.0	110.9	94.9	95.6	
Eastern	103.8	110.3	114.3	114.2	111.7	110.6	110.2	114	104	102.3	107.1	97.1	102.3	
Greater Accra	83.9	77.5	74.8	75.6	76.4	73.7	73.6	83	72	79.3	83.3	72.8	72.4	
Northern	130.2	134.7	126.8	139.5	131.0	130.8	128.7	117	113	101.7	107.9	82.8	99.4	
Upper East	89.5	99.3	91.3	123.5	107.3	112.5	110.6	96	108	109.1	116.1	100.8	120.9	
Upper West	81.5	85.8	92.3	104.6	105.2	109.1	110.0	88	106	98.5	95.6	94.5	106.2	
Volta	90.9	95.8	94.1	94.5	98.1	98.1	91.4	89	88	82.3	80.5	84.6	83.6	
Western	117.1	104.9	99.0	100.6	103.0	107.8	103.8	98	100	101.0	104.4	108.9	102.6	
<b>National</b>	<b>104.3</b>	<b>104.8</b>	<b>102.1</b>	<b>103.8</b>	<b>102.6</b>	<b>102.4</b>	<b>99.6</b>	<b>97</b>	<b>92</b>	<b>92.0</b>	<b>95.6</b>	<b>90.8</b>	<b>92.0</b>	

Source: Expanded Programme on Immunisation

REGION	6.5 Tetanus Toxioids Immunisation Coverage Rate, 2004-2012								
	2012	2011	2010	2009	2008	2007	2006	2005	2004
Ashanti	76.5	80.6	78.0	83.1	80.2	69.0	68.3	64	58.8
Brong Ahafo	74.4	81.6	84.9	82.2	89.8	90.9	88.9	89	74.1
Central	82.6	86.4	94.3	89.6	93.2	81.9	78.7	88	82.3
Eastern	71.9	80.2	83.6	85.1	80.7	67.3	68.1	66	70.4
Greater Accra	66.8	65.4	67.4	66.8	59.6	50.3	56.8	60	50.0
Northern	94.3	82.2	93.5	108.0	97.9	95.0	78.5	96	86.2
Upper East	62.3	70.3	63.8	85.5	66.2	90.4	78.3	72	66.4
Upper West	56.2	64.1	69.4	71.2	71.6	67.4	52.3	43	80.9
Volta	60.0	67.8	60.8	63.9	63.7	57.0	59.7	68	76.5
Western	72.3	64.1	62.8	62.6	62.7	58.8	57.1	55	61.4
<b>National</b>	<b>73.6</b>	<b>75.7</b>	<b>76.2</b>	<b>78.6</b>	<b>76.3</b>	<b>70.1</b>	<b>68.2</b>	<b>68</b>	<b>67.4</b>

Source: Expanded Programme on Immunisation

REGION	6.6 Yellow Fever Immunisation Coverage Rate, 2004-2012								
	2012	2011	2010	2009	2008	2007	2006	2005	2004
Ashanti	86.8	84.3	87.4	86.8	80.4	76.9	72.9	74	66
Brong Ahafo	92.4	95.3	95.1	94.0	94.8	100.9	98.4	93	81
Central	86.2	96.9	95.1	96.8	91.3	91.9	86.6	78	81
Eastern	85.8	93.9	95.9	94.2	95.4	95.5	90.8	91	83
Greater Accra	77.3	71.4	43.2	73.2	66.8	68.3	64.4	66	63
Northern	110.1	111.4	106	118.7	107.6	115.0	110.0	101	88
Upper East	96.0	83.3	81.5	107.5	84.8	101.1	92.6	88	88
Upper West	74.5	75.1	82.6	89.5	88.0	97.0	96.2	84	93
Volta	76.3	79.1	78.5	78.2	79.0	77.0	71.6	69	70
Western	93.8	85.9	85.5	84.7	93.1	96.6	93.6	78	86
<b>National</b>	<b>87.8</b>	<b>87.1</b>	<b>87.5</b>	<b>88.8</b>	<b>86.0</b>	<b>88.1</b>	<b>84.0</b>	<b>80</b>	<b>76</b>

Source: Expanded Programme on Immunisation

Region	6.7 PCV (PNEUMO) Coverage by Region 2012	
	2012	
Ashanti		49.0
Brong Ahafo		53.0
Central		43.0
Eastern		44.0
Greater Accra		43.0
Northern		55.0
Upper East		46.0
Upper West		43.0
Volta		40.0
Western		46.0
<b>National</b>		<b>47.0</b>

Source: Expanded Programme on Immunisation

Region	6.8 ROTA COVERAGE BY REGION 2012	
	2012	
Ashanti		42.0
Brong Ahafo		46.0
Central		37.0
Eastern		41.0
Greater Accra		39.0
Northern		48.0
Upper East		40.0
Upper West		35.0
Volta		35.0
Western		37.0
<b>National</b>		<b>40.0</b>

Source: Expanded Programme on Immunisation

REGION	<b>6.9 AFP Non-Polio Rate 2006-2012</b>							
	<b>2012</b>	<b>2011</b>	<b>2010</b>	<b>2009</b>	<b>2008</b>	<b>2007</b>	<b>2006</b>	
Ashanti	1.17	2.09	1.48	2.10	1.35	0.89		1.24
Brong Ahafo	3.40	2.80	2.4	3.70	4.22	1.44		2.11
Central	2.22	2.38	1.38	4.25	2.00	3.13		1.29
Eastern	1.80	2.00	1.6	4.10	2.70	1.30		1.79
Greater Accra	0.25	0.60	0.95	1.06	1.06	0.50		0.69
Northern	1.64	3.30	2.2	2.50	3.40	2.11		1.33
Upper East	3.50	4.50	2	5.50	4.50	2.00		3.50
Upper West	3.33	5.00	4	4.33	3.33	3.00		2.40
Volta	1.67	3.13	3.13	2.25	1.63	1.75		2.27
Western	0.75	2.00	2.18	1.82	2.10	2.80		2.89
<b>National</b>	<b>1.53</b>	<b>2.20</b>	<b>1.82</b>	<b>2.68</b>	<b>2.24</b>	<b>1.60</b>		<b>1.70</b>

Source: Disease Surveillance Department

## 7.0 Reproductive Health Services

REGION	7.1 ANTE NATAL COVERAGE								7.2 SUPERVISED DELIVERY							
	2012	2011	2010	2009	2008	2007	2006	2005	2012	2011	2010	2009	2008	2007	2006	2005
Ashanti	82.3	84.3	84.7	80.7	86.1	76.1	74.0	76.6	50.1	45.9	53.4	42.4	35.0	26.7	40.8	54.3
Brong Ahafo	100.4	110.6	82.3	97.9	102.1	101.8	97.4	90.0	65.7	46.8	54.0	53.7	49.8	34.5	47.4	62.0
Central	97.7	107.7	106.1	109.1	115.5	108.7	103.8	103.6	58.7	51.6	51.6	52.5	56.3	22.3	74.0	77.1
Eastern	86.9	93.9	84.8	93.4	98.2	87.2	86.0	82.0	56.5	58.1	48.2	52.1	48.0	43.1	38.7	58.4
Greater Accra	88.7	91.7	89.5	77.4	85.2	77.2	77.2	83.1	56.6	58.8	54.4	47.9	50.3	43.1	42.2	48.6
Northern	112.0	135.0	120.9	120.8	127.7	116.8	109.0	116.6	43.3	44.5	36.8	36.1	26.0	27.7	25.1	57.5
Upper East	88.1	91.6	92.5	100.1	102.1	111.7	104.2	95.3	68.4	67.0	59.7	52.6	40.4	43.5	38.4	53.5
Upper West	84.4	86.2	88.8	88.9	93.5	96.3	90.3	86.1	52.5	39.0	46.5	36.7	40.6	32.9	28.8	66.5
Volta	81.8	88.7	81	88.9	93.4	87.4	87.1	84.1	44.8	44.3	36.9	39.4	37.5	33.3	35.4	42.0
Western	101.1	98.6	109.8	93.5	98.8	91.7	93.0	90.2	53.5	39.3	49.6	42.6	39.1	17.6	34.8	35.8
<b>National</b>	<b>92.2</b>	<b>98.2</b>	<b>93.3</b>	<b>92.4</b>	<b>97.8</b>	<b>91.1</b>	<b>88.1</b>	<b>88.7</b>	<b>55.6</b>	<b>52.2</b>	<b>49.5</b>	<b>45.6</b>	<b>42.2</b>	<b>32.1</b>	<b>44.5</b>	<b>54.2</b>

Source: RCH/PHD

REGION	7.3 POST NATAL CARE								7.4 FAMILY PLANNING ACCEPTORS							
	2012	2011	2010	2009	2008	2007	2006	2005	2012	2011	2010	2009	2008	2007	2006	2005
Ashanti	48.2	53.4	52.6	38.4	51.6	50.6	51.9	47.1	16.6	17.4	17.6	17.5	15.7	15.2	15.3	14.1
Brong Ahafo	66.0	64.0	59.2	53.7	57.2	57.1	53.8	57.0	26.4	28.3	33	43.4	36.3	40.9	42.9	41.0
Central	62.9	68.9	66.8	71.4	77.6	73.4	68.5	76.4	26.3	28.5	25.1	33.1	33.0	29.6	37.0	32.6
Eastern	68.7	71.7	64.5	67.0	61.5	61.5	60.8	62.9	31.6	36.3	31.5	32.9	33.1	33.3	35.0	24.7
Greater Accra	62.8	65.4	57.7	51.7	48.7	48.5	44.8	47.6	27.3	41.9	31.6	32.6	63.9	16.4	20.4	17.7
Northern	83.8	91.8	88.9	84.9	80.7	76.8	70.8	73.2	16.4	21.0	21.5	28.9	26.0	20.1	17.8	19.4
Upper East	77.0	78.7	76.2	77.8	57.3	66.9	60.7	56.9	28.1	29.7	24.3	33.0	26.2	27.4	26.7	20.7
Upper West	64.8	68.8	68.4	64.9	68.7	70.1	54.3	62.0	42.0	50.7	49.2	56.5	59.8	85.0	54.3	53.9
Volta	53.4	58.2	50.1	47.3	50.5	55.6	53.9	53.9	24.6	28.6	22.5	27.5	21.6	23.7	27.9	25.7
Western	59.6	55.5	54.4	49.5	45.6	37.6	35.5	35.5	18.9	22.8	13	18.9	19.6	13.9	15.2	13.8
<b>National</b>	<b>62.7</b>	<b>65.3</b>	<b>58.1</b>	<b>56.4</b>	<b>57.5</b>	<b>56.7</b>	<b>53.7</b>	<b>55.0</b>	<b>25.2</b>	<b>28.1</b>	<b>34.7</b>	<b>31.1</b>	<b>33.8</b>	<b>23.2</b>	<b>25.4</b>	<b>22.6</b>

Source: RCH/PHD

## 7.5 Institutional Maternal Mortality Ratio

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

Region	2005		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
<b>National</b>	<b>957</b>	<b>187.2</b>	<b>863</b>	<b>196.8</b>	<b>824</b>	<b>186.0</b>	<b>854</b>	<b>204.5</b>	<b>837</b>	<b>204.4</b>	<b>954</b>	<b>255.7</b>

**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 (1996-2008)

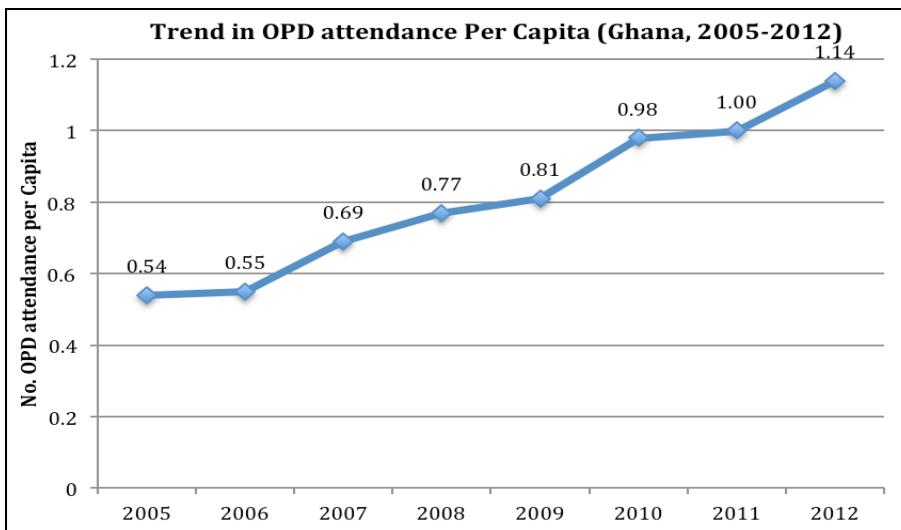


Figure 1

### 8.2 INFANT MORTALITY RATE-GHANA (1988-2008)

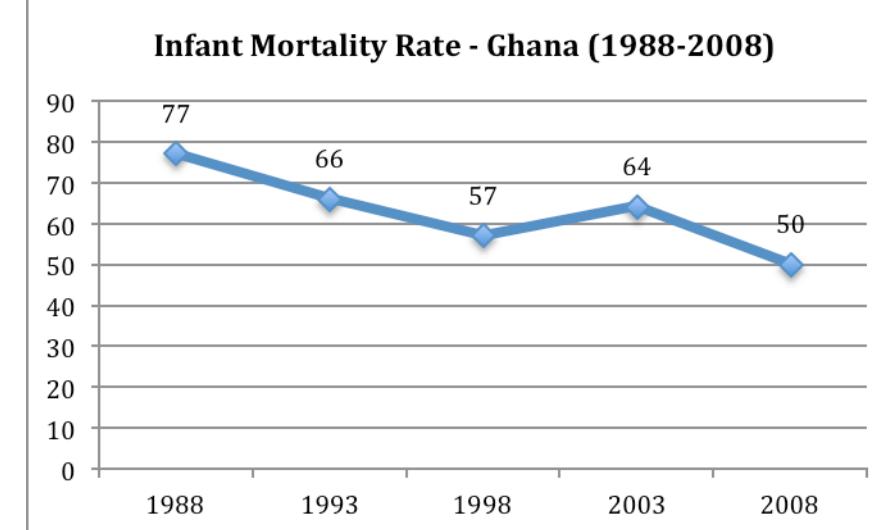


Figure 2

### 8.3 TOTAL FERTILITY RATE-GHANA (1988-2008)

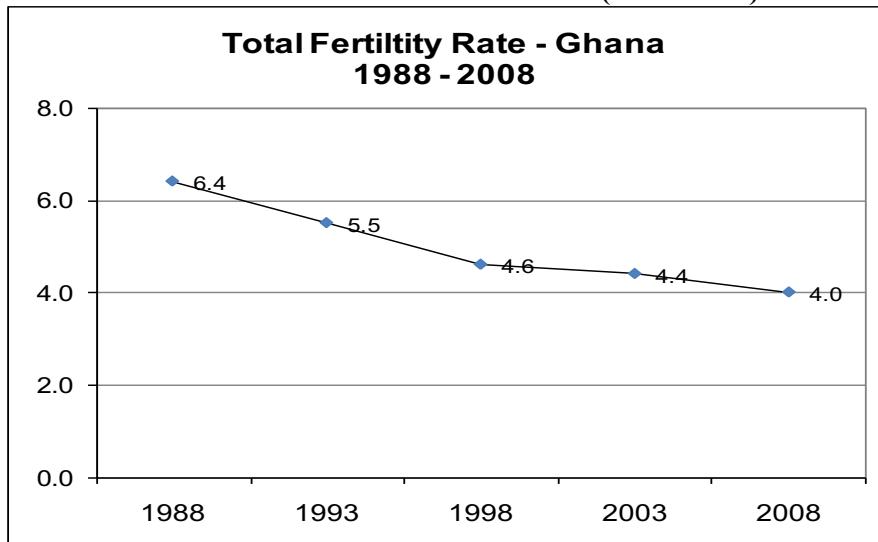


Figure 3

### 8.4 PREVALENCE OF MALARIA PER 100,000 POPULATION

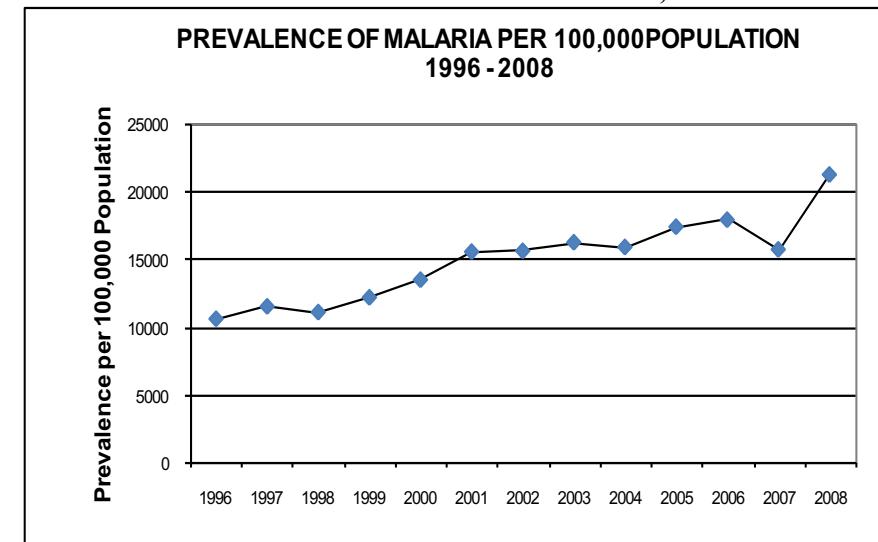


Figure 4

## 8.5 DOCTOR POPULATION RATIO (2007-2012)

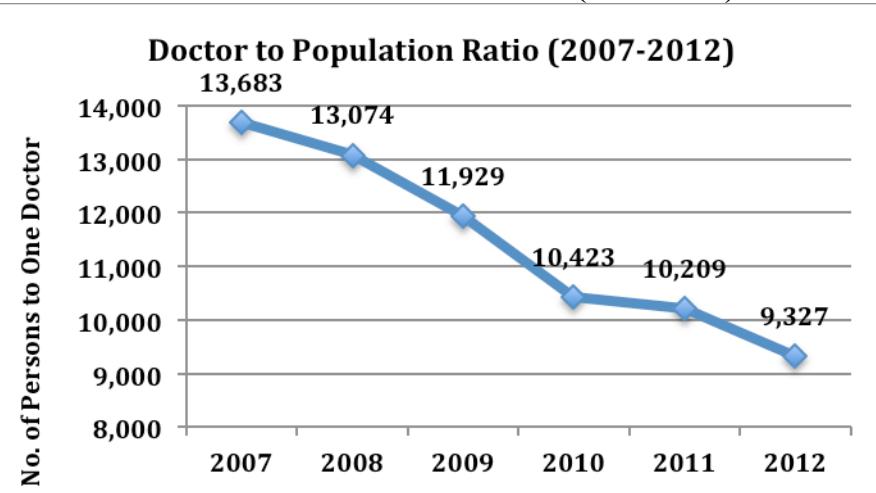


Figure 5

## 8.7 IMMUNIZATION COVERAGE (2007-2012)

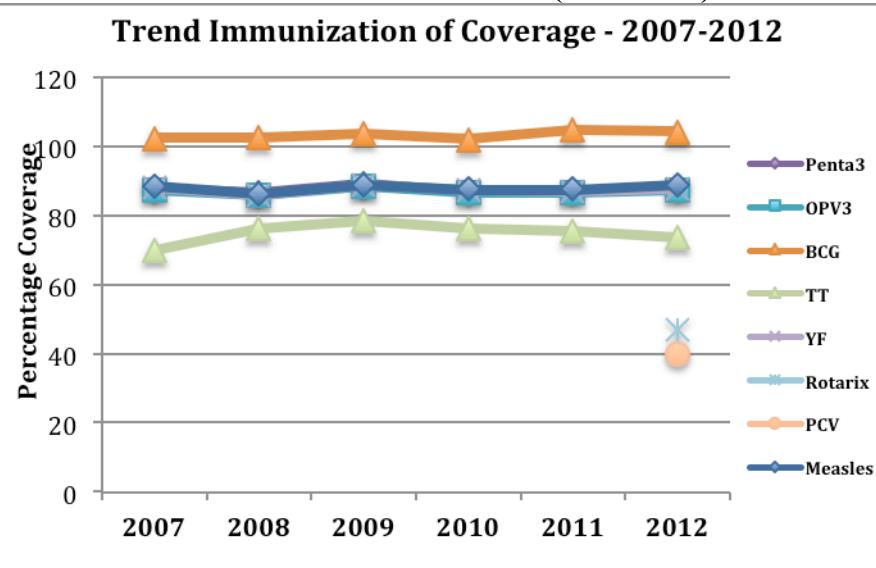


Figure 7

## 8.6 NURSE POPULATION RATIO (2007-2012)

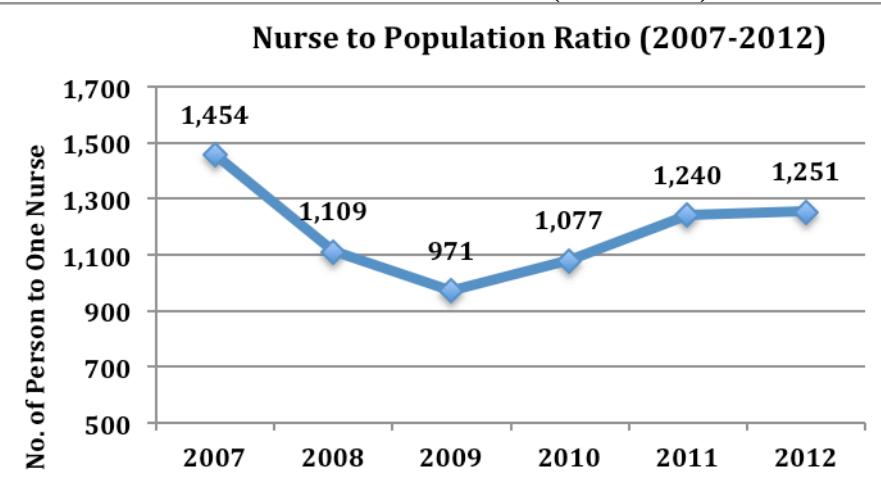


Figure 6

## 8.8 RCH COVERAGE (2007-2012)

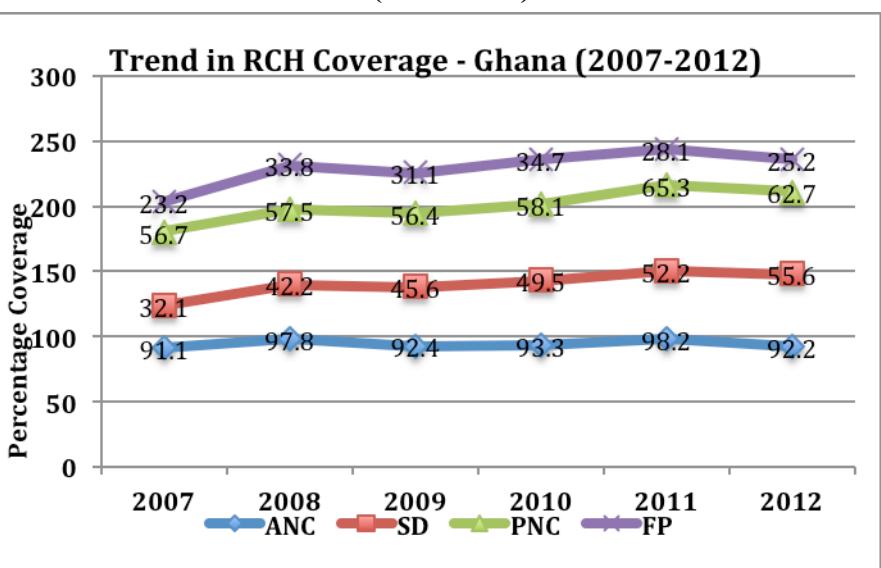


Figure 8

## APPENDIX 2

### 9.0 MAJOR CAUSES OF ADMISSIONS AND DEATHS – 2012

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. The total number of admissions analyzed was 315,998 cases. This represents 42% of the total number of admissions reported in the year.

#### 9.1 Top Ten Causes of Admission All Ages - National

Rank	Cause of Admission	Proportional Morbidity Rate (%)
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

Source: CHIM/PPME-GHS

#### 9.2 Top Ten Causes of Death All Ages - National

Rank	Cause of Death	Proportional Mortality Rate (%)
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

Source: CHIM/PPME-GHS

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

<b>Rank</b>	<b>Cause of Admission</b>	<b>Proportional Morbidity Rate (%)</b>
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

Source: CHIM/PPME-GHS

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

<b>Rank</b>	<b>Cause of Death</b>	<b>Proportional Mortality Rate (%)</b>
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

Source: CHIM/PPME-GHS

## **10.0 International and National Health Days**

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