

THE HEALTH SECTOR IN GHANA

FACTS AND FIGURES

2011

FOREWORD

This document “*The Health Sector in Ghana: Facts and Figures, 2011*” is an updated version of the 2010 Facts and Figures. It is an accessible reference of the performance of the health sector as an evidence tool for policy makers, health service / programme managers, health partners and stakeholders, researchers and students to consider.

It was compiled and put together by the Centre for Health Information Management (CHIM), a unit in the Information Monitoring and Evaluation Department of the Policy, Planning, Monitoring and Evaluation Division (PPMED) of the Ghana Health Service. It is the focal unit responsible for the gathering, study, reporting and presentation of health service information in the Health Sector.

The Ghana Health Service is mandated by the Ministry of Health to collate all service data from the districts in the country. This forms the major source of data for this report. Also included in this report are Global Health Estimates and population based data from the census and health surveys.

The Ghana Health Service recognizes the substantial role of other agencies such as the Ghana Statistical Services in providing of health-related statistics to the general public. Some of such statistics have been quoted in this publication and duly acknowledged.

It is the hope of the Service that this document will be of enormous value to all stakeholders particularly Directors of the Service and the Ministry of Health.

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INTRODUCTION

The Health Sector Medium Term Development Plan (HSMTDP), 2010–2013, provides an outline of the health sector response to governments Medium Term Development Policy Framework (2010-2013). It also provides the basis for planning within the health sector in Ghana and defines the sectors contribution to the achievement of national medium term development goals and objectives.

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

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

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

The document was produced in 2005 and has since been updated yearly till 2010. It provides trends for key performance indicators in the service. The production of this edition sets the tone for subsequent yearly production of facts and figures for the service.

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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 |

2011 HEALTH SECTOR OBJECTIVES

The strategic objectives within the Sector Medium Term Development Plan 2010-2013 are to:

1. Bridge equity gaps in access to health care and nutrition services and ensure sustainable financing arrangements that protect the poor
2. Improve governance and ensure efficiency and effectiveness in health service delivery
3. Improve access to quality maternal, neonatal, child and adolescent health services
4. Intensify prevention and control of communicable and non-communicable diseases and promote a healthy lifestyle
5. Strengthen institutional care, including mental health service delivery

HEALTH SECTOR PRIORITIES FOR 2011

For 2011, priority activities have been drawn from the second year of the Sector Medium Term Development Plan. The expectation is that agencies and BMCs in the sector will work according to their particular mandates and comparative advantage to ensure that these priorities are met and the expected outputs delivered over the course of the year.

- 1) Bridge equity gaps in access to health and nutrition services and ensure equitable financing arrangements that protect the poor**
 - a) Thirty uncompleted and ongoing CHPS Compounds will be completed, while an additional 30 will be constructed and equipped to be functional.
 - b) Health training institutions will be expanded and renovated, and training and certification provided to more preceptors
 - c) Production of middle level cadres, such as Community Psychiatric Nurses, Midwives, Medical Assistants, Laboratory Technologist and core auxiliary staff will be scaled up; and
 - d) A human resource redeployment plan developed based on revised staffing norms.
- 2) Strengthen governance and improve efficiency and effectiveness of the health systems**
 - a) The Leadership Development Programme and similar initiatives will be scaled up in order to strengthen governance at various levels of the health system
- 3) Improve access to quality maternal, neonatal, child and adolescent services**
 - a) Initiate implementation of recommendations from the MAF and EmONC assessment studies
 - b) Implement the national child health policy and strategy
 - c) Implement the Adolescent health policy and strategy

- d) Develop and implement measures to ensure safe blood and blood product transfusion, including the establishment of blood transfusion centres in Accra and Kumasi
- 4) Intensify prevention and control of communicable and non-communicable diseases**
- a) Strengthen surveillance, reporting and emergency response systems
 - b) Improve case detection and management at health facility level
 - c) Scale up vector control strategy.
 - d) Intensify healthy lifestyle promotion by implementing Behaviour Enhancing Communication, including the intensification of public health education with state of the art communication
- 5) Strengthen institutional care, including mental health service delivery**
- a) Develop subsidiary legislation following passing of the Act
 - b) Adopt a community mental health care strategy to facilitate the implementation of the Act
 - c) Ensure basic utilities such as water and electricity provided in institutions where these facilities are lacking
 - d) Provide beds where necessary to remove patients on the floor
 - e) Funds to be sought for the completion of about 391 health uncompleted infrastructure projects dotted around the country.

1.0 Demography and Vital Statistics

1.1 Population Distribution by Region – 2011

| NATIONAL TARGET POPULATION BY REGION - 2011 | | | | |
|---|-----------------|---------------------|--|----------------------------------|
| | Region | Regional Population | 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 |
| | National | 25,932,162 | 1,037,286 | 6,223,718 |

Source: GSS 2010 Census (Projection)

1.2 Population Distribution by District, Ashanti Region – 2011

| ASHANTI REGION TARGET POPULATION BY DISTRICT - 2011 | | | | |
|---|-------------------|---------------------|--|----------------------------------|
| | 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 | Afigya Sekyere | 99,154 | 3,966 | 23,797 |
| 5 | Ahafo Ano North | 99,445 | 3,978 | 23,867 |
| 6 | Ahafo Ano South | 128,317 | 5,133 | 30,796 |
| 7 | Amansie Central | 95,707 | 3,828 | 22,970 |
| 8 | Amansie West | 141,683 | 5,667 | 34,004 |
| 9 | Asante Akim North | 148,394 | 5,936 | 35,615 |
| 10 | Asante Akim South | 123,662 | 4,946 | 29,679 |
| 11 | Atwima Kwanwoma | 95,594 | 3,824 | 22,943 |
| 12 | Atwima Mponua | 125,703 | 5,028 | 30,169 |
| 13 | Atwima Nwabiagya | 157,181 | 6,287 | 37,723 |
| 14 | Bekwai Municipal | 124,483 | 4,979 | 29,876 |

| | | | | |
|----|----------------------|------------------|----------------|------------------|
| 15 | Bosome Freho | 63,702 | 2,548 | 15,289 |
| 16 | Bosumtwi | 99,050 | 3,962 | 23,772 |
| 17 | Ejis Juaben | 151,630 | 6,065 | 36,391 |
| 18 | Ejura Sekyedumasi | 90,122 | 3,605 | 21,629 |
| 19 | Kumasi Metropolis | 2,146,441 | 85,858 | 515,146 |
| 20 | Kwabre East | 121,880 | 4,875 | 29,251 |
| 21 | Mampong Municipal | 92,870 | 3,715 | 22,289 |
| 22 | Obuasi Municipal | 177,871 | 7,115 | 42,689 |
| 23 | Offinso Municipal | 81,103 | 3,244 | 19,465 |
| 24 | Offinso North | 59,994 | 2,400 | 14,399 |
| 25 | Sekyere Afram Plains | 99,078 | 3,963 | 23,779 |
| 26 | Sekyere Central | 75,130 | 3,005 | 18,031 |
| 27 | Sekyere East | 65,575 | 2,623 | 15,738 |
| | TOTAL | 5,042,005 | 201,680 | 1,210,081 |

Source: GSS 2010 Census (Projection)

1.3 Population Distribution by District, Brong Ahafo Region – 2011

| BRONG AHAFO REGION TARGET POPULATION BY DISTRICT - 2011 | | | | |
|---|-------------------|---------------------|--|----------------------------------|
| | 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 | 31317 |
| 2 | Asunafo South | 100,027 | 4,001 | 24007 |
| 3 | Asutifi | 110,768 | 4,431 | 26584 |
| 4 | Atebubu Amantin | 110,867 | 4,435 | 26608 |
| 5 | Berekum Municipal | 135,659 | 5,426 | 32558 |
| 6 | Dormaa East | 53,238 | 2,130 | 12777 |
| 7 | Dormaa Municipal | 167,224 | 6,689 | 40134 |
| 8 | Jaman North | 86,924 | 3,477 | 20862 |
| 9 | Jaman South | 96,960 | 3,878 | 23270 |
| 10 | Kintampo North | 99,923 | 3,997 | 23981 |
| 11 | Kintampo South | 84,769 | 3,391 | 20345 |
| 12 | Nkoranza North | 68,961 | 2,758 | 16551 |
| 13 | Nkoranza South | 105,625 | 4,225 | 25350 |
| 14 | Pru | 135,262 | 5,410 | 32463 |
| 15 | Sene | 124,338 | 4,974 | 29841 |
| 16 | Sunyani Municipal | 128,957 | 5,158 | 30,950 |
| 17 | Sunyani West | 89,240 | 3,570 | 21,418 |
| 18 | Tain | 113,429 | 4,537 | 27,223 |
| 19 | Tano North | 83,694 | 3,348 | 20,087 |
| 20 | Tano South | 81,764 | 3,271 | 19,623 |

| | | | | |
|----|--------------------|------------------|---------------|----------------|
| 21 | Techiman Municipal | 216,481 | 8,659 | 51,955 |
| 22 | Wenchi Municipal | 93,914 | 3,757 | 22,539 |
| | TOTAL | 2,418,511 | 96,740 | 580,443 |

Source: GSS 2010 Census (Projection)

1.4 Population Distribution by District, Central Region – 2011

| CENTRAL REGION TARGET POPULATION BY DISTRICT - 2011 | | | | |
|---|-------------------------------|---------------------|--|----------------------------------|
| | 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 Municipal | 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 Municipal | 171,499 | 6,860 | 41,160 |
| 7 | Assin South | 110,807 | 4,432 | 26,594 |
| 8 | Cape Coast Metropolis | 180,591 | 7,224 | 43,342 |
| 9 | Effutu Municipal | 72,916 | 2,917 | 17,500 |
| 10 | Ewutu Senya | 207,603 | 8,304 | 49,825 |
| 11 | Gomoa East | 220,108 | 8,804 | 52,826 |
| 12 | Gomoa West | 143,701 | 5,748 | 34,488 |
| 13 | Komenda-Edina-Egyafo-Abirem | 153,816 | 6,153 | 36,916 |
| 14 | Mfantsiman Municipal | 208,939 | 8,358 | 50,145 |
| 15 | Twifo-Heman-Lower Denkyira | 124,233 | 4,969 | 29,816 |
| 16 | Upper Denkyira East Municipal | 77,394 | 3,096 | 18,575 |
| 17 | Upper Denkyira West | 63,835 | 2,553 | 15,320 |
| | TOTAL | 2,340,494 | 93,620 | 561,719 |

Source: GSS 2010 Census (Projection)

1.5 Population Distribution by District, Eastern Region – 2011

| EASTERN REGION TARGET POPULATION BY DISTRICT - 2011 | | | | |
|---|----------------------|---------------------|--|----------------------------------|
| | District | District Projection | Target Population less than 1 year and expected pregnancy (4%) | Target Population for WIFA (24%) |
| 1 | Akwapem North | 142,275 | 5,691 | 34,146 |
| 2 | Akwapem South | 128,743 | 5,150 | 30,898 |
| 3 | Akyem Mansa | 101,507 | 4,060 | 24,362 |
| 4 | Asuogyaman | 102,207 | 4,088 | 24,530 |
| 5 | Atiwa | 115,317 | 4,613 | 27,676 |
| 6 | Birim Municipal | 151,017 | 6,041 | 36,244 |
| 7 | Birim North | 82,256 | 3,290 | 19,741 |
| 8 | Birim South | 124,850 | 4,994 | 29,964 |
| 9 | East Akim Municipal | 175,022 | 7,001 | 42,005 |
| 10 | Fanteakwa | 113,224 | 4,529 | 27,174 |
| 11 | Kwaebibirem | 200,735 | 8,029 | 48,176 |
| 12 | Kwahu East | 80,398 | 3,216 | 19,296 |
| 13 | Kwahu North | 227,497 | 9,100 | 54,599 |
| 14 | Kwahu South | 72,718 | 2,909 | 17,452 |
| 15 | Kwahu West Municipal | 97,556 | 3,902 | 23,413 |
| 16 | Lower Manya | 93,034 | 3,721 | 22,328 |
| 17 | New Juaben Municipal | 191,525 | 7,661 | 45,966 |
| 18 | Suhum-Krabo Coaltar | 174,662 | 6,986 | 41,919 |
| 19 | Upper Manya | 75,152 | 3,006 | 18,036 |
| 20 | West Akim Municipal | 203,640 | 8,146 | 48,874 |
| 21 | Yilo Krobo | 91,575 | 3,663 | 21,978 |
| | TOTAL | 2,744,908 | 109,796 | 658,778 |

Source: GSS 2010 Census (Projection)

1.6 Population Distribution by District, Greater Accra – 2011

| GRATER ACCRA REGION TARGET POPULATION BY DISTRICT - 2011 | | | | |
|--|--------------------|---------------------|--|----------------------------------|
| | District | District Projection | Target Population less than 1 year and expected pregnancy (4%) | Target Population for WIFA (24%) |
| 1 | Accra Metropolis | 1,965,005 | 78,600 | 471,601 |
| 2 | Adenta Municipal | 83,139 | 3,326 | 19,953 |
| 3 | Ashaiman Municipal | 202,996 | 8,120 | 48,719 |
| 4 | Dangbe East | 139,030 | 5,561 | 33,367 |
| 5 | Dangbe West | 130,570 | 5,223 | 31,337 |
| 6 | Ga East Municipal | 276,017 | 11,041 | 66,244 |
| 7 | Ga West Municipal | 279,284 | 11,171 | 67,028 |
| 8 | Ledzokuku/Krowor | 242,283 | 9,691 | 58,148 |
| 9 | Tema Metropolis | 427,987 | 17,119 | 102,717 |
| 10 | Weija (Ga South) | 516,220 | 20,649 | 123,893 |
| | TOTAL | 4,262,531 | 170,501 | 1,023,007 |

Source: GSS 2010 Census (Projection)

1.7 Population Distribution by District, Northern Region – 2011

| NORTHERN REGION TARGET POPULATION BY DISTRICT - 2011 | | | | |
|--|-------------------|---------------------|--|----------------------------------|
| | 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 | Chereponi | 56,536 | 2,261 | 13,569 |
| 4 | East Gonja | 143,420 | 5,737 | 34,421 |
| 5 | Gonja Central | 93,048 | 3,722 | 22,331 |
| 6 | Gushiegu | 117,806 | 4,712 | 28,273 |
| 7 | Karaga | 82,278 | 3,291 | 19,747 |
| 8 | Kpandai | 115,219 | 4,609 | 27,653 |
| 9 | Mamprusi East | 128,129 | 5,125 | 30,751 |
| 10 | Mamprusi West | 177,897 | 7,116 | 42,695 |
| 11 | Nanumba North | 149,915 | 5,997 | 35,980 |
| 12 | Nanumba South | 98,964 | 3,959 | 23,751 |
| 13 | Saboba | 69,572 | 2,783 | 16,697 |
| 14 | Savelugu Nanton | 147,479 | 5,899 | 35,395 |
| 15 | Sawla-Tuna-Kalba | 105,739 | 4,230 | 25,377 |
| 16 | Tamale Metropolis | 393,202 | 15,728 | 94,368 |
| 17 | Tolon Kumbugu | 118,941 | 4,758 | 28,546 |
| 18 | West Gonja | 89,712 | 3,588 | 21,531 |
| 19 | Yendi Municipal | 211,336 | 8,453 | 50,721 |
| 20 | Zabzugu Tatali | 131,142 | 5,246 | 31,474 |
| TOTAL | | 2,625,355 | 105,014 | 630,085 |

Source: GSS 2010 Census (Projection)

1.8 Population Distribution by District, Upper East Region – 2011

| UPPER EAST REGION TARGET POPULATION BY DISTRICT - 2011 | | | | |
|--|----------------------|---------------------|--|----------------------------------|
| | District | District Projection | Target Population less than 1 year and expected pregnancy (4%) | Target Population for WIFA (24%) |
| 1 | Bawku Municipal | 223,049 | 8,922 | 53,532 |
| 2 | Bawku West | 96,304 | 3,852 | 23,113 |
| 3 | Bolgatanga Municipal | 134,726 | 5,389 | 32,334 |
| 4 | Bongo | 86,586 | 3,463 | 20,781 |
| 5 | Builsa | 95,236 | 3,809 | 22,857 |
| 6 | Garu Tempane | 133,142 | 5,326 | 31,954 |
| 7 | Kasena Nankana East | 112,598 | 4,504 | 27,024 |
| 8 | Kasena Nankana West | 72,373 | 2,895 | 17,370 |
| 9 | Talensi Nabdam | 117,797 | 4,712 | 28,271 |
| TOTAL | | 1,071,813 | 42,873 | 257,235 |

Source: GSS 2010 Census (Projection)

1.9 Population Distribution by District, Upper West Region – 2011

| UPPER WEST REGION TARGET POPULATION BY DISTRICT - 2011 | | | | |
|--|-----------------|---------------------|--|----------------------------------|
| | District | District Projection | Target Population less than 1 year and expected pregnancy (4%) | Target Population for WIFA (24%) |
| 1 | Jirapa | 91,793 | 3,672 | 22,030 |
| 2 | Lambussie Karni | 53,635 | 2,145 | 12,873 |
| 3 | Lawra | 104,801 | 4,192 | 25,152 |
| 4 | Nadowli | 98,009 | 3,920 | 23,522 |
| 5 | Sissala East | 58,696 | 2,348 | 14,087 |
| 6 | Sissala West | 51,475 | 2,059 | 12,354 |
| 7 | Wa East | 74,839 | 2,994 | 17,961 |
| 8 | Wa Municipal | 111,327 | 4,453 | 26,718 |
| 9 | Wa West | 84,469 | 3,379 | 20,272 |
| | TOTAL | 729,044 | 29,162 | 174,970 |

Source: GSS 2010 Census (Projection)

1.10 Population Distribution by District, Volta Region – 2011

| VOLTA REGION TARGET POPULATION BY DISTRICT - 2011 | | | | |
|---|-----------------|---------------------|--|----------------------------------|
| | District | District Projection | Target Population less than 1 year and expected pregnancy (4%) | Target Population for WIFA (24%) |
| 1 | Adaklu Anyigbe | 67,664 | 2,707 | 16,239 |
| 2 | Akatsi | 134,964 | 5,399 | 32,391 |
| 3 | Biakoye | 69,237 | 2,769 | 16,617 |
| 4 | Ho Municipal | 285,645 | 11,426 | 68,555 |
| 5 | Hohoe Municipal | 275,312 | 11,012 | 66,075 |
| 6 | Jasikan | 62,177 | 2,487 | 14,922 |
| 7 | Kadjebi | 62,305 | 2,492 | 14,953 |
| 8 | Keta Municipal | 155,091 | 6,204 | 37,222 |
| 9 | Ketu North | 104,971 | 4,199 | 25,193 |
| 10 | Ketu South | 168,894 | 6,756 | 40,535 |
| 11 | Krachi East | 122,717 | 4,909 | 29,452 |
| 12 | Krachi West | 128,287 | 5,131 | 30,789 |
| 13 | Nkwanta North | 67,821 | 2,713 | 16,277 |
| 14 | Nkwanta South | 123,846 | 4,954 | 29,723 |
| 15 | North Dayi | 98,390 | 3,936 | 23,614 |
| 16 | North Tongu | 156,741 | 6,270 | 37,618 |
| 17 | South Dayi | 49,023 | 1,961 | 11,766 |
| 18 | South Tongu | 92,402 | 3,696 | 22,177 |
| | TOTAL | 2,225,489 | 89,020 | 534,117 |

Source: GSS 2010 Census (Projection)

1.11 Population Distribution by District, Western Region – 2011

| WESTERN REGION TARGET POPULATION BY DISTRICT – 2011 | | | | |
|---|-----------------------------|---------------------|--|----------------------------------|
| | 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/Suaman | 144,007 | 5,760 | 34,562 |
| 3 | Bia | 121,032 | 4,841 | 29,048 |
| 4 | Ellembelle | 91,036 | 3,641 | 21,849 |
| 5 | Jomoro | 156,171 | 6,247 | 37,481 |
| 6 | Juabeso | 116,264 | 4,651 | 27,903 |
| 7 | Mpohor-Wassa East | 129,005 | 5,160 | 30,961 |
| 8 | Nzema East | 63,285 | 2,531 | 15,189 |
| 9 | Prestea Huni Valley | 165,740 | 6,630 | 39,778 |
| 10 | Sefwi Akontombra | 85,799 | 3,432 | 20,592 |
| | Sefwi Bibiani-Ahwiaso | | | |
| 11 | Bekwai | 128,252 | 5,130 | 30,781 |
| 12 | Sefwi Wiawso | 144,824 | 5,793 | 34,758 |
| 13 | Sekondi Takoradi Metropolis | 582,154 | 23,286 | 139,717 |
| 14 | Shama | 85,277 | 3,411 | 20,467 |
| 15 | Tarkwa Nsuaem Municipal | 94,132 | 3,765 | 22,592 |
| 16 | Wassa Amenfi East | 86,851 | 3,474 | 20,844 |
| 17 | Wassa Amenfi West | 167,677 | 6,707 | 40,243 |
| | TOTAL | 2,472,012 | 98,880 | 593,283 |

Source: GSS 2010 Census (Projection)

2.0 Vital Statistics

2.1 Health Status Indicators

| Indicator | 1988 | 1993 | 1998 | 2003 | 2008 | 2011 (MICS) |
|--|------|------|------|------|------|----------------|
| 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 | 4.0* |

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

2.2 Total Fertility Rate by Region

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

Source: DHS 1988, 1993, 1998, 2003, 2008

2.3 Percentage of Population with no Education

| Region | 1988 | | 1993 | | 1998 | | 2003 | | 2008 | | 2010* | |
|-----------------|-------------|-------------|-------------|-------------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|------|
| | Female | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female | Male |
| 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 | 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 | 17.4 | 33 | 13.2 | 30 | 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 | 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 | 38.5 | 50.1 | |
| Upper West | 81.7 | 56.9 | 67.9 | 59 | 68.4 | 44.9 | 63.3 | 30.2 | 48.1 | 42.1 | 52.0 | |
| National | 39.7 | 26.2 | 38.3 | 20.6 | 34 | 17.6 | 28.2 | 13.3 | 21.2 | 18.7 | 27.9 | |
| Rural | 46.4 | 32.9 | 46.8 | 25.5 | 39.8 | 25.4 | 39.5 | 19.9 | 30.8 | 13.8 | 19.4 | |
| Urban | 26.7 | 12.2 | 22.3 | 10.4 | 22.4 | 8 | 16.3 | 5.6 | 10.9 | 4.6 | 9.5 | |

Source: DHS 1988, 1993, 1998, 2003, 2008, * GSS 2010 POPULATION AND HOUSING CENSUS

2.4 Infant and Under Five Mortality Rate

| Region | Infant Mortality Rate | | | | | | Under Five Mortality Rate | | | | | |
|-----------------|-----------------------|-----------|-----------|-----------|-----------|-----------|---------------------------|------------|------------|------------|-----------|-----------|
| | 1988 | 1993 | 1998 | 2003 | 2008 | 2011* | 1988 | 1993 | 1998 | 2003 | 2008 | 2011* |
| Western | 76.9 | 76.3 | 68 | 66 | 51 | 50 | 151.2 | 131.8 | 109.7 | 109 | 65 | 67 |
| Central | 138.3 | 71.6 | 83.8 | 50 | 73 | 55 | 208.2 | 128 | 142.1 | 90 | 108 | 88 |
| Greater Accra | 57.7 | 58.4 | 41.4 | 45 | 36 | 37 | 103.8 | 100.2 | 62 | 75 | 50 | 56 |
| Volta | 73.5 | 77.8 | 53.8 | 75 | 37 | 68 | 132.7 | 116.4 | 98 | 113 | 50 | 89 |
| Eastern | 70.1 | 55.9 | 50.2 | 64 | 53 | 38 | 138.1 | 93.2 | 89.1 | 95 | 81 | 61 |
| Ashanti | 69.8 | 65.2 | 41.9 | 80 | 54 | 43 | 144.2 | 97.6 | 78.2 | 116 | 80 | 86 |
| Brong Ahafo | 65 | 48.7 | 77.3 | 58 | 37 | 66 | 122.6 | 94.6 | 128.7 | 91 | 76 | 104 |
| Northern | 103.1 | 113.7 | 70.1 | 69 | 70 | 66 | 221.8 | 237 | 171.3 | 154 | 137 | 124 |
| Upper East | 103.1 | 105 | 81.5 | 33 | 46 | 58 | 221.8 | 180.1 | 155.3 | 79 | 78 | 98 |
| Upper West | 103.1 | 84.5 | 70.6 | 105 | 97 | 67 | 221.8 | 187.7 | 155.6 | 208 | 142 | 108 |
| National | 77 | 66 | 57 | 64 | 50 | 53 | 155 | 119 | 108 | 111 | 80 | 82 |
| Rural | 86.8 | 82.2 | 67.5 | 70 | 56 | 56 | 162.5 | 149.2 | 122 | 118 | 90 | 94 |
| Urban | 66.9 | 54.9 | 42.6 | 55 | 49 | 46 | 131.1 | 89.9 | 76.8 | 93 | 75 | 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 | NA | NA |
| 2 | Population age structure (%) (<u>male</u>) | 49 | NA | NA |
| 3 | Population age structure (%) (<u>female</u>) | 51 | NA | NA |
| 4 | Median age of population (2008) | 20 | 19 | 29 |
| 5 | Proportion of population below 15 years (%) (2008) | 39 | 42 | 27 |
| 6 | Proportion of population above 60 years (%) (2008) | 6 | 5 | 11 |
| 7 | Proportion of population living in urban areas (%) (2008) | 50 | 39 | 50 |
| 8 | Coverage of birth registration (%) (2008) | 51 | NA | NA |
| 9 | Coverage of death registration (%) (2008) | 25 | NA | NA |
| 10 | Adult mortality rate (15 - 60 years) per 1,000 population – male 2008 | 298 | 412 | 213 |
| 11 | Adult mortality rate (15 - 60 years) per 1,000 population – female 2008 | 247 | 374 | 146 |
| 12 | Adult mortality rate (15 - 60 years) per 1,000 population – both sexes 2008 | 273 | 310 | 180 |
| 13 | Life expectancy at birth (<u>male</u>) (2009) | 60 | 52 | 66 |
| 14 | Life expectancy at birth (<u>female</u>) (2009) | 64 | 54 | 70 |
| 15 | Life expectancy at birth (<u>both sexes</u>) (2009) | 62 | 53 | 68 |
| 16 | Net primary school enrolment ratio - <u>male</u> (%) (2008) | 73 | 80 | 89 |
| 17 | Net primary school enrolment ratio - <u>female</u> (%) (2008) | 74 | 76 | 85 |
| 18 | Total gross domestic product (2009) | \$34.04 Billion | NA | NA |
| 19 | Gross domestic product per capita (2009) | \$1,500 | NA | NA |
| 20 | Annual economic growth rate (%) (2008) | 6.3 | NA | NA |
| 22 | Population living on less than 1 US\$ dollar per day (2007) | 28.5 | NA | NA |

NA: Not available

Source: World Health Statistics 2010 – WHO;

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

2.6 Health-Related Millennium Development Goals

| | Indicator | Ghana Value | Africa Average | Rank in Africa | Global Average |
|----|--|-------------|----------------|------------------|----------------|
| 1 | Adolescent fertility rate (per 1,000 girls aged 15-19 years) | 74 | 61 | 8 th | |
| 2 | Unmet need for family planning (%) | 21.2 | 24.3 | 10 th | |
| 3 | Prevalence of HIV among adults aged 15 years and above per 100,000 population | 1.9 | 4.3 | 17 th | |
| 4 | Proportion of <u>males</u> aged 15-24 years with comprehensive correct knowledge of HIV/AIDS (%) | 33 | 30 | 15 th | NA |
| 5 | Proportion of <u>females</u> aged 15-24 years with comprehensive correct knowledge of HIV/AIDS (%) | 39 | 23 | 7 th | NA |
| 6 | Antiretroviral therapy coverage among people with advanced HIV infection (%) | 15 | 44 | 38 th | 31 |
| 7 | Malaria mortality rate per 100,000 population | 109 | 104 | 25 th | 17 |
| 8 | Children aged less than 5 years sleeping under insecticide-treated bed-nets (%) | 28 | 17 | 11 th | NA |
| 9 | Children aged less than 5 years who received any antimalarial treatment for fever (%) | 24 | NA | 27 th | NA |
| 10 | Access to improved drinking-water sources (%) | 82 | 61 | 12 th | NA |
| 11 | Access to improved sanitation (%) | 13 | 34 | 36 th | NA |
| 12 | Infants exclusively breastfed for the first 6 months of life (2008) | 63 | 31 | NA | 36 |
| 13 | Alcohol consumption among adults aged 15 years and above (liters per person per year) (2003) | 1.5 | 4.3 | NA | 4.4 |
| 14 | Prevalence of tobacco use – <u>male</u> (%) (2005) | 9.5 | 2.8 | NA | 41.1 |
| 15 | Prevalence of tobacco use – <u>female</u> (%) (2005) | 0.7 | 2.8 | NA | 8.9 |
| | | | | | |

NA: Data Not Available

Source: World Health Statistics 2010 - WHO

2.7 Health Expenditure Indicators

| | Indicator | Ghana Value | Africa Average | Global Average |
|---|--|-------------|----------------|----------------|
| 1 | Total expenditure on health as % of gross domestic product (2007) | 8.8 | 5.9 | 9.2 |
| 2 | General government expenditure on health as % of total expenditure on health (2007) | 51.6 | 45.3 | 59.6 |
| 3 | Private expenditure on health as % of total expenditure on health (2007) | 48.4 | 54.7 | 40.4 |
| 4 | General government expenditure on health as % of total government expenditure (2007) | 10.7 | 8.7 | 14.5 |
| 5 | Out-of-pocket expenditure on health as % of private expenditure on health (2007) | 79.3 | 60.1 | 43.9 |
| 6 | Per capita total expenditure on health at average exchange rate (US\$) (2007) | 54 | 76 | 802 |
| 7 | Per capita government expenditure on health at average exchange rate (US\$) (2007) | 28 | 34 | 478 |
| | | | | |

Source: World Health Statistics 2010 - WHO

3.0 Health Infrastructure

3.1 Health Facilities by Type and Ownership, 2010

| REGION | TEACHING HOSPITAL | REGIONAL HOSPITAL | PSYCHIATRIC HOSPITAL | DISTRICT AND OTHER HOSPITALS | | | | POLY CLINICS | HEALTH CENTRES AND CLINICS | | | | MATERNITY HOME | CHPS | TOTAL |
|-----------------------|-------------------|-------------------|----------------------|------------------------------|-----------|------------|-----------|--------------|----------------------------|-------------|------------|-----------|----------------|------------|-------------|
| | | | | MISSION | GOVT | PRIVATE | QGOVT | | MISSION | GOVT | PRIVATE | QGOVT | PRIVATE | | |
| ASHANTI | 1 | 0 | 0 | 20 | 22 | 48 | 2 | 0 | 34 | 141 | 161 | 9 | 106 | 4 | 548 |
| BRONG AHAFO | 0 | 1 | 0 | 11 | 8 | 6 | 1 | 1 | 11 | 149 | 24 | 2 | 46 | 8 | 268 |
| CENTRAL | 0 | 1 | 1 | 5 | 9 | 7 | 1 | 0 | 9 | 80 | 75 | 2 | 34 | 43 | 267 |
| EASTERN | 0 | 1 | 0 | 5 | 12 | 5 | 3 | 0 | 19 | 166 | 63 | 7 | 47 | 44 | 372 |
| GREATER ACCRA | 1 | 1 | 2 | 5 | 7 | 79 | 6 | 7 | 6 | 44 | 232 | 17 | 55 | 4 | 466 |
| NORTHERN | 1 | 0 | 0 | 6 | 10 | 0 | 2 | 0 | 33 | 122 | 20 | 3 | 8 | 95 | 300 |
| UPPER EAST | 0 | 1 | 0 | 1 | 4 | 0 | 0 | 0 | 15 | 54 | 11 | 1 | 2 | 55 | 144 |
| UPPER WEST | 0 | 1 | 0 | 4 | 3 | 1 | 0 | 0 | 17 | 60 | 4 | 0 | 6 | 39 | 135 |
| VOLTA | 0 | 1 | 0 | 8 | 11 | 7 | 1 | 1 | 9 | 192 | 23 | 0 | 24 | 19 | 296 |
| WESTERN | 0 | 1 | 0 | 4 | 11 | 3 | 6 | 2 | 23 | 98 | 119 | 28 | 61 | 65 | 421 |
| National Total | 3 | 8 | 3 | 69 | 97 | 156 | 22 | 11 | 176 | 1106 | 732 | 69 | 389 | 376 | 3217 |

3.2 Number of Hospital Beds by Region and Ownership - 2010

| Region | Government | CHAG | Islamic | Quasi Government | Private | Total | % By Region |
|-----------------------|-------------------|--------------|----------------|-------------------------|----------------|---------------|--------------------|
| Ashanti | 1,139 | 1,034 | 143 | 211 | 65 | 2592 | 14.5 |
| Brong Ahafo | 813 | 1137 | 0 | 0 | 95 | 2045 | 11.5 |
| Central | 897 | 336 | 0 | 75 | 0 | 1,308 | 7.3 |
| Eastern | 1,706 | 850 | 0 | 151 | 0 | 2707 | 15.2 |
| Greater Accra | 1,764 | 38 | 0 | 50 | 0 | 1,852 | 10.4 |
| Northern | 966 | 339 | 0 | 0 | 0 | 1,305 | 7.3 |
| Upper East | 450 | 316 | 44 | 0 | 15 | 825 | 4.6 |
| Upper West | 406 | 316 | 44 | 0 | 15 | 781 | 4.4 |
| Volta | 1,364 | 741 | 0 | 0 | 241 | 2,346 | 13.2 |
| Western | 1,245 | 383 | 49 | 95 | 302 | 2,074 | 11.6 |
| Total | 10,750 | 5,490 | 280 | 582 | 733 | 17,835 | 100 |
| % By Ownership | 60.3 | 30.8 | 1.6 | 3.3 | 4.1 | | |

Source: CHIM/PPME-GHS

NB: Data for Quasi Government and Private Hospitals are incomplete

3.3 Distribution of Health Professionals by Region – 2010

| Category/Region | Ashanti | Brong Ahafo | Central | Eastern | Greater Accra | HQs | Northern | Upper East | Upper West | Volta | Western | Grand Total |
|----------------------------------|----------------|--------------------|----------------|----------------|----------------------|------------|-----------------|-------------------|-------------------|--------------|----------------|--------------------|
| Accountant | 144 | 61 | 50 | 63 | 157 | 31 | 63 | 36 | 18 | 61 | 43 | 727 |
| Accounts Assistant | | | | | | | | 3 | | | | 3 |
| Accounts Officer | 161 | 146 | 74 | 90 | 182 | 19 | 67 | 52 | 35 | 99 | 50 | 975 |
| Administrative Manager | 43 | 2 | | 2 | 33 | 22 | 3 | | 1 | 3 | 2 | 111 |
| Anaesthetist Assistant | 73 | 28 | 15 | 28 | 33 | | 15 | 12 | 11 | 28 | 17 | 260 |
| Architect | | | | | | 3 | | | | | | 3 |
| Artisan | | | | 1 | | | | | 1 | | | 2 |
| Artisan - Clinical Engineering | 1 | 1 | 2 | 2 | | | | | | 3 | 1 | 10 |
| Artisan - Estate | 3 | 1 | | 3 | 6 | | 13 | | | 3 | | 29 |
| Artisan - Mechanical Engineering | 96 | 60 | 86 | 71 | 105 | 10 | 45 | 37 | 28 | 119 | 51 | 708 |
| Audiologist | | | | | | 1 | | | | | | 1 |
| Audit Officer | 1 | | | 6 | | | | | | | | 7 |
| Auditor | 2 | 4 | 2 | 7 | 5 | | 4 | 1 | 2 | 1 | 1 | 29 |
| Biomedical Scientist | 101 | 38 | 26 | 50 | 115 | 31 | 37 | 19 | 17 | 20 | 23 | 477 |
| Biostatistics Assistant | 127 | 74 | 105 | 81 | 166 | 13 | 66 | 26 | 27 | 113 | 149 | 947 |
| Biostatistics Officer | 19 | 5 | 2 | 3 | 8 | 5 | 4 | | 1 | 4 | 2 | 53 |
| Blood Bleeder | 3 | 2 | 2 | 2 | | 9 | | 1 | | 2 | | 21 |
| Blood Donor Organiser | 6 | 2 | 2 | 3 | | 12 | 2 | 1 | 3 | 2 | 3 | 36 |
| Catering Officer | 11 | 6 | 10 | 9 | 23 | 1 | 8 | 4 | 3 | 7 | 7 | 89 |
| Chief Executive | 1 | | | | | 1 | | 1 | | | | 3 |
| Clerical Officer | 3 | 2 | | | | | | 6 | | 1 | 2 | 15 |
| Clinical Engineering Manager | 4 | | | 2 | 2 | 3 | 1 | 1 | | | 2 | 15 |
| Community Health Nurse | 704 | 545 | 618 | 858 | 924 | 1 | 508 | 426 | 311 | 774 | 674 | 6,343 |
| Community Oral Health Officer | | | | 1 | | | | | | 1 | | 2 |
| Consultant | 6 | | | | | 6 | | 3 | | | | 15 |

| Category/Region | Ashanti | Brong Ahafo | Central | Eastern | Greater Accra | HQs | Northern | Upper East | Upper West | Volta | Western | Grand Total |
|-----------------------------------|----------------|--------------------|----------------|----------------|----------------------|------------|-----------------|-------------------|-------------------|--------------|----------------|--------------------|
| Cook | 79 | 42 | 87 | 59 | 155 | 1 | 57 | 41 | 16 | 97 | 69 | 703 |
| Dental Clinic Assistant | 12 | 3 | 8 | 10 | 31 | | 5 | 3 | 1 | 8 | 7 | 88 |
| Dental Surgeon | 8 | 1 | 4 | 2 | 11 | | 1 | | 1 | 1 | 5 | 34 |
| Dental Surgeon - House Officer | 2 | 2 | | 1 | 6 | | | | | | | 11 |
| Dental Technician/Therapist | 2 | | | 1 | 1 | | | | | | 1 | 5 |
| Dental Technologist | 2 | | | | 2 | | 1 | | | | | 5 |
| Deputy Director | 1 | 3 | 1 | 1 | 7 | 11 | 4 | 2 | 1 | 3 | 1 | 35 |
| Diet Cook | | | | 1 | | | | | | | | 1 |
| Diet Cook Supervisor | 1 | 3 | 1 | 2 | 18 | | 3 | | | | | 28 |
| Dietician | 1 | | 2 | 1 | 5 | | | 1 | | 1 | | 11 |
| Director | 2 | 1 | | | 3 | 7 | 2 | | | | | 15 |
| Director - Nursing | | | | | 1 | 1 | 1 | | | | | 3 |
| Director - Pharmacy | 1 | | | | | | 1 | | | | | 2 |
| Director General | | | | | | 2 | | | | | | 2 |
| Dispensing Assistant | 74 | 40 | 35 | 62 | 77 | | 18 | 11 | 8 | 57 | 22 | 404 |
| District Director | 14 | 11 | 6 | 12 | 7 | 4 | 11 | 6 | 4 | 6 | 8 | 89 |
| Driver | 134 | 99 | 105 | 120 | 128 | 85 | 109 | 65 | 51 | 100 | 86 | 1,082 |
| Electrician | 1 | | | | | | | | | | | 1 |
| Emergency Medical Technician | | | | | | 171 | | | | | | 171 |
| Enrolled Nurse | 241 | 116 | 144 | 302 | 456 | 5 | 90 | 81 | 25 | 188 | 177 | 1,825 |
| Entomologist | | 1 | 1 | 1 | | | 1 | 1 | | | | 5 |
| Environmental Health Technologist | | | | | 3 | | 1 | | | | | 4 |
| Environmental Health Tutor | 2 | 4 | 1 | 1 | 10 | 2 | 7 | 1 | | 8 | | 36 |
| Estate Officer | 10 | 5 | 8 | 8 | 8 | 6 | 9 | 3 | 1 | 3 | 5 | 66 |
| Executive Officer | 66 | 40 | 35 | 36 | 53 | 11 | 56 | 18 | 12 | 50 | 25 | 402 |
| Field Technician | 109 | 134 | 66 | 107 | 51 | 3 | 84 | 44 | 56 | 56 | 76 | 786 |

| Category/Region | Ashanti | Brong Ahafo | Central | Eastern | Greater Accra | HQs | Northern | Upper East | Upper West | Volta | Western | Grand Total |
|-------------------------------|----------------|--------------------|----------------|----------------|----------------------|------------|-----------------|-------------------|-------------------|--------------|----------------|--------------------|
| Filling Attendant | | 1 | | | | | | | | | | 1 |
| Finance Officer | 27 | 15 | 9 | 16 | 19 | | 27 | 28 | 12 | 32 | 18 | 203 |
| Foreman | | | 1 | | | | | | | | | 1 |
| Health Aide | | | | | | | | | | | 1 | 1 |
| Health Assistant | 1,270 | 729 | 737 | 407 | 466 | | 261 | 188 | 171 | 518 | 427 | 5,174 |
| Health Education Officer | 1 | | 2 | | 2 | | | | | | | 5 |
| Health Educator | 7 | 17 | 6 | 1 | 14 | 8 | 2 | | 3 | 2 | 3 | 63 |
| Health Planner | | | 2 | 1 | 5 | 11 | | 1 | | | | 20 |
| Health Research Officer | 3 | 13 | 1 | 1 | 4 | 16 | | 13 | 1 | 1 | | 53 |
| Health Services Administrator | 41 | 14 | 17 | 25 | 32 | 6 | 19 | 7 | 7 | 17 | 14 | 199 |
| Hostel Warden | 1 | 1 | 1 | 1 | 12 | | 1 | 2 | | 1 | 1 | 21 |
| Housekeeper | 3 | 6 | 8 | | 11 | | 7 | 3 | | 8 | 6 | 52 |
| Human Resource Manager | 9 | 5 | 2 | 2 | 13 | 5 | 4 | 1 | 1 | 3 | 1 | 46 |
| Kitchen Assistant | | | | | 2 | | 3 | | | | | 5 |
| Kitchen Staff Supervisor | | | | | | | 1 | | | | | 1 |
| Laboratory Assistant | 71 | 29 | 32 | 27 | 15 | | 29 | 17 | 13 | 45 | 19 | 297 |
| Labourer | 79 | 99 | 94 | 134 | 107 | 9 | 145 | 64 | 31 | 113 | 124 | 999 |
| Launderer | 50 | 33 | 53 | 33 | 61 | | 20 | 10 | 7 | 71 | 32 | 370 |
| Laundry Machine Operator | 1 | | | | | | | | | 5 | | 6 |
| Librarian | 1 | | | | | | | | | | | 1 |
| Library Assistant | 1 | | | | | | 1 | 1 | 1 | 1 | 2 | 7 |
| Lift Operator | 6 | | | | 13 | | 1 | | | | 1 | 21 |
| Mechanical Engineer | 3 | | | | | 1 | | | | | | 4 |
| Medical Assistant | 112 | 61 | 50 | 65 | 97 | 2 | 73 | 45 | 15 | 48 | 42 | 610 |
| Medical Director | 2 | 1 | | | 4 | | 1 | | | | | 8 |
| Medical Officer | 240 | 62 | 37 | 80 | 306 | 10 | 22 | 18 | 11 | 50 | 45 | 881 |

| Category/Region | Ashanti | Brong Ahafo | Central | Eastern | Greater Accra | HQs | Northern | Upper East | Upper West | Volta | Western | Grand Total |
|----------------------------------|----------------|--------------------|----------------|----------------|----------------------|------------|-----------------|-------------------|-------------------|--------------|----------------|--------------------|
| Medical Officer - House Officer | 177 | 52 | 23 | 41 | 309 | | 29 | 1 | | 8 | 19 | 659 |
| Medical Superintendent | 17 | 1 | 7 | 8 | 5 | | 4 | 5 | | 5 | 7 | 59 |
| Messenger | 4 | 2 | 1 | | 2 | | | 2 | | | 1 | 12 |
| Midwives | 630 | 356 | 284 | 462 | 784 | | 299 | 190 | 145 | 353 | 277 | 3,780 |
| Mortuary Attendant | 12 | 15 | 17 | 20 | 26 | | 11 | 5 | 2 | 32 | 14 | 154 |
| No Grade | 1 | | | | | | | | | | | 1 |
| Nursing Tutor | | | | 1 | 3 | | | | | | | 4 |
| Nutrition Officer | 12 | 7 | 5 | 4 | 11 | 7 | 8 | 13 | 1 | 4 | 3 | 75 |
| Occupational Therapist | | | 1 | | | | | | | | | 1 |
| Occupational Therapist Assistant | 1 | | 3 | 3 | 12 | | | | | | | 19 |
| Optician | 1 | | 1 | 5 | 2 | | | | | | | 9 |
| Optometrist | 4 | 3 | 1 | 3 | 7 | | 1 | | 1 | 1 | 2 | 23 |
| Orderly | 841 | 243 | 290 | 684 | 745 | 11 | 229 | 104 | 132 | 709 | 239 | 4,227 |
| Pantry Maid | | | 1 | | | | | | | | | 1 |
| Personnel Officer | 2 | 1 | 3 | 2 | 3 | 4 | 1 | 1 | 2 | 5 | 2 | 26 |
| Pharmacist | 117 | 34 | 17 | 39 | 148 | 22 | 18 | 15 | 11 | 23 | 37 | 481 |
| Pharmacy Technician | 251 | 74 | 43 | 65 | 142 | | 53 | 29 | 23 | 36 | 54 | 770 |
| Physiotherapist | 14 | 7 | 3 | 3 | 19 | 1 | 3 | 2 | | 7 | 4 | 63 |
| Physiotherapy Assistant | 5 | 8 | 2 | | 13 | | 2 | 1 | 1 | 1 | 2 | 35 |
| Porter | | | 2 | 7 | | | 19 | 1 | | 10 | | 39 |
| Private Secretary | 23 | 4 | 6 | 2 | 26 | 13 | 6 | 1 | | 6 | 8 | 95 |
| Professional Nurse | 1,452 | 546 | 610 | 753 | 2,426 | 30 | 595 | 398 | 247 | 516 | 525 | 8,098 |
| Prosector | 1 | | | | | | | | | | | 1 |
| Quantity Surveyor | 2 | | | | 1 | 1 | | | | | | 4 |
| Radiographer | 11 | 3 | 6 | 2 | 19 | | 2 | | 1 | 2 | 2 | 48 |
| Receptionist | 4 | 4 | 2 | 3 | 2 | 1 | 2 | | 2 | 6 | 1 | 27 |

| Category/Region | Ashanti | Brong Ahafo | Central | Eastern | Greater Accra | HQs | Northern | Upper East | Upper West | Volta | Western | Grand Total |
|--|----------------|--------------------|----------------|----------------|----------------------|------------|-----------------|-------------------|-------------------|--------------|----------------|--------------------|
| Records Officer | 2 | 3 | 4 | | 2 | | | 2 | | 1 | 5 | 19 |
| Records Supervisor | 2 | 1 | | | 2 | | | 1 | 1 | | | 7 |
| Regional Director | | 1 | | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 10 |
| Revenue Collector | 1 | | | | | | | | | | | 1 |
| Seamstress | 6 | 3 | 6 | 4 | 6 | | | 1 | 5 | 1 | 3 | 35 |
| Security Guard | 95 | 32 | 57 | 32 | 70 | 11 | 28 | 10 | 8 | 28 | 22 | 393 |
| Specialist | 110 | 21 | 17 | 22 | 185 | 34 | 11 | 4 | 1 | 15 | 14 | 434 |
| Statistician | 1 | | 3 | 2 | | 4 | | | | | 1 | 11 |
| Stenographer | 58 | 33 | 21 | 14 | 87 | 33 | 12 | 16 | 6 | 23 | 26 | 329 |
| Sterilisation Machine Operator | 14 | 4 | 7 | 4 | 14 | | 16 | | 3 | 13 | | 75 |
| Storekeeper | 36 | 28 | 17 | 27 | 33 | 11 | 35 | 18 | 14 | 38 | 32 | 289 |
| Supply Officer | 55 | 33 | 26 | 39 | 54 | 23 | 25 | 14 | 11 | 25 | 29 | 334 |
| Technical Assistant | 16 | 20 | 9 | 8 | 40 | | 6 | 2 | 3 | 10 | 20 | 134 |
| Technical Officer | 102 | 37 | 38 | 64 | 98 | 16 | 18 | 12 | 7 | 40 | 49 | 481 |
| Technical Officer (Art Illustration) | | 1 | | | | | | | | | | 1 |
| Technical Officer (Biost) | 55 | 37 | 16 | 36 | 82 | 15 | 21 | 12 | 6 | 52 | 21 | 353 |
| Technical Officer (CDC) | 102 | 105 | 71 | 74 | 56 | 16 | 68 | 34 | 50 | 59 | 60 | 695 |
| Technical Officer (Lab) | 27 | 24 | 20 | 38 | 71 | 8 | 11 | 14 | 4 | 27 | 28 | 272 |
| Technical Officer (Nutrition) | 14 | 6 | 10 | 9 | 13 | | 5 | 6 | 3 | 4 | 2 | 72 |
| Technical Officer (Prosthetic & Orthotics) | 3 | | | 1 | 1 | 5 | | 1 | | 2 | | 13 |
| Technical Officer (X-ray) | 21 | 8 | 4 | 13 | 41 | | 7 | 5 | 4 | 7 | 5 | 115 |
| Technician | | | | | | | | 1 | | | | 1 |
| Technician - Clinical Engineering | 2 | | | 1 | 5 | | 5 | | | 5 | 2 | 20 |
| Technician - Electrical Engineering | | | | | | | | | | 1 | | 1 |
| Technician - Estate | 1 | | | | | | | | | | 1 | 2 |
| Technician - Mechanical Engineering | 6 | 2 | 9 | 7 | 24 | 20 | 1 | 5 | 2 | 16 | | 92 |

| Category/Region | Ashanti | Brong Ahafo | Central | Eastern | Greater Accra | HQs | Northern | Upper East | Upper West | Volta | Western | Grand Total |
|---------------------------------------|----------------|--------------------|----------------|----------------|----------------------|------------|-----------------|-------------------|-------------------|--------------|----------------|--------------------|
| Technician Engineer | | | | | 1 | | | | | | | 1 |
| Technologist - Clinical Engineering | 9 | 4 | 3 | 3 | 7 | 3 | 4 | 1 | 1 | 6 | | 41 |
| Technologist - Mechanical Engineering | 11 | 1 | 3 | 1 | 9 | 2 | 1 | 3 | 6 | 2 | | 39 |
| Telephonist | 18 | 5 | 9 | 14 | 12 | 4 | 8 | 2 | 3 | 12 | 9 | 96 |
| Tradesman | | 2 | 5 | | 2 | | 1 | | 1 | | | 11 |
| Transport Manager | 1 | 1 | 1 | 1 | 2 | 1 | | 1 | 1 | | 1 | 10 |
| Transport Officer | 3 | 7 | | 1 | 5 | | 1 | 1 | | 4 | 1 | 23 |
| Typist | 60 | 65 | 26 | 40 | 50 | 20 | 36 | 22 | 37 | 54 | 31 | 441 |
| Ward Assistant | 30 | | 2 | | 2 | | 87 | | | 1 | 7 | 129 |
| Watchman | 78 | 110 | 58 | 52 | 70 | 17 | 93 | 74 | 39 | 108 | 72 | 771 |
| Grand Total | 8,720 | 4,525 | 4,334 | 5,402 | 9,734 | 870 | 3,712 | 2,320 | 1,687 | 5,018 | 3,884 | 50,206 |

Source: HRD-GHS

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

3.4 Doctor to Population Ratio

| REGION | 2010 | | 2009 | | 2008 | | 2007 | |
|-----------------|-------------------|-------------------------|-------------------|-------------------------|-------------------|-------------------------|-------------------|-------------------------|
| | Number of Doctors | Doctor Population Ratio |
| Ashanti | 684 | 7,184 | 589 | 8,288 | 495 | 9,861 | 428 | 10,667 |
| Brong Ahafo | 99 | 22,967 | 134 | 16,919 | 103 | 22,012 | 96 | 22,479 |
| Central | 113 | 18,218 | 84 | 22,877 | 72 | 26,689 | 63 | 29,260 |
| Eastern | 163 | 15,801 | 148 | 16,132 | 134 | 17,817 | 128 | 18,141 |
| Greater Accra | 935 | 4,099 | 839 | 5,103 | 827 | 5,177 | 755 | 5,202 |
| Northern | 134 | 18,257 | 46 | 50,751 | 33 | 70,744 | 24 | 92,046 |
| Upper East | 33 | 31,214 | 29 | 35,010 | 30 | 33,843 | 30 | 33,111 |
| Upper West | 25 | 27,050 | 14 | 47,932 | 15 | 44,736 | 15 | 43,253 |
| Volta | 64 | 32,605 | 73 | 26,538 | 68 | 28,490 | 66 | 28,269 |
| Western | 75 | 31,190 | 77 | 33,187 | 78 | 32,761 | 71 | 33,794 |
| National | 2,325 | 10,423 | 2,033 | 11,929 | 1,855 | 13,074 | 1,676 | 13,683 |

| REGION | 2006 | | 2005 | | 2004 | | 2003 | |
|-----------------|-------------------|-------------------------|-------------------|-------------------------|-------------------|-------------------------|-------------------|-------------------------|
| | Number of Doctors | Doctor Population Ratio |
| Ashanti | 378 | 11,681 | 323 | 13,221 | 312 | 13,237 | 296 | 13,494 |
| Brong Ahafo | 83 | 25,365 | 61 | 33,672 | 56 | 35,783 | 48 | 40,729 |
| Central | 57 | 31,675 | 47 | 37,625 | 49 | 35,347 | 46 | 36,877 |
| Eastern | 104 | 22,019 | 86 | 26,260 | 76 | 29,305 | 66 | 33,279 |
| Greater Accra | 669 | 5,624 | 495 | 7,280 | 527 | 6,550 | 590 | 5,604 |
| Northern | 32 | 67,154 | 28 | 74,657 | 25 | 81,338 | 27 | 73,262 |
| Upper East | 34 | 28,897 | 32 | 30,369 | 29 | 33,146 | 29 | 32,786 |
| Upper West | 14 | 45,568 | 11 | 57,026 | 9 | 68,534 | 12 | 50,541 |
| Volta | 72 | 25,430 | 62 | 28,981 | 49 | 35,986 | 51 | 33,930 |
| Western | 71 | 32,746 | 67 | 33,625 | 58 | 37,638 | 60 | 35,255 |
| National | 1,514 | 14,732 | 1,212 | 17,899 | 1,190 | 17,733 | 1,225 | 16,759 |

Source: GHS 2010 Annual Report

3.5 Nurse to Population Ratio

| REGION | 2010 | | 2009 | | 2008 | | 2007 | |
|-----------------|------------------|------------------------|------------------|------------------------|------------------|------------------------|------------------|------------------------|
| | Number of Nurses | Nurse Population Ratio |
| Ashanti | 4,252 | 1,156 | 4,161 | 1,173 | 3,533 | 1,382 | 2,251 | 2,024 |
| Brong Ahafo | 1,826 | 1,245 | 2,283 | 993 | 1,940 | 1,169 | 1,099 | 1,099 |
| Central | 1,715 | 1,200 | 2,369 | 881 | 2,104 | 913 | 1,249 | 1,476 |
| Eastern | 2,703 | 953 | 2,871 | 832 | 2,454 | 973 | 1,977 | 1,173 |
| Greater Accra | 4,793 | 800 | 4,897 | 874 | 4,656 | 919 | 4,011 | 979 |
| Northern | 1,716 | 1,426 | 1,708 | 1,367 | 1,480 | 1,577 | 1,131 | 1,868 |
| Upper East | 1,112 | 926 | 1,262 | 805 | 1,051 | 966 | 798 | 1,243 |
| Upper West | 803 | 842 | 895 | 750 | 758 | 885 | 537 | 1,266 |
| Volta | 1,914 | 1,090 | 2,421 | 800 | 2,132 | 909 | 1,474 | 1,266 |
| Western | 1,673 | 1,398 | 2,107 | 1,213 | 1,753 | 1,458 | 1,197 | 1,993 |
| National | 22,507 | 1,077 | 24,974 | 971 | 21861 | 1,109 | 15,724 | 1,454 |

| REGION | 2006 | | 2005 | | 2004 | | 2003 | |
|-----------------|------------------|------------------------|------------------|------------------------|------------------|------------------------|------------------|------------------------|
| | Number of Nurses | Nurse Population Ratio |
| Ashanti | 2067 | 2136 | 2019 | 2115 | 1,947 | 2,121 | 1,781 | 2,243 |
| Brong Ahafo | 1034 | 2036 | 1020 | 2014 | 985 | 2,034 | 679 | 2,879 |
| Central | 1145 | 1577 | 1144 | 1546 | 1,101 | 1,573 | 990 | 1,713 |
| Eastern | 1831 | 1251 | 1878 | 1203 | 1,851 | 1,203 | 1,650 | 1,331 |
| Greater Accra | 3789 | 993 | 3693 | 976 | 3,564 | 969 | 3,605 | 917 |
| Northern | 1011 | 2126 | 1044 | 2002 | 978 | 2,079 | 831 | 2,380 |
| Upper East | 757 | 1298 | 711 | 1367 | 689 | 1,395 | 469 | 2,027 |
| Upper West | 485 | 1315 | 464 | 1352 | 451 | 1,368 | 326 | 1,860 |
| Volta | 1406 | 1302 | 1421 | 1264 | 1,431 | 1,232 | 1,202 | 1,440 |
| Western | 982 | 2368 | 990 | 2276 | 974 | 2,241 | 916 | 2,309 |
| National | 14,507 | 1,537 | 14,384 | 1,508 | 13,971 | 1,510 | 12,449 | 1,649 |

Source: CHIM/PPME-GHS

3.6 Hospital Bed Utilisation Statistics

| Region | Percentage Occupancy | | | | | | | | Average Length of Stay | | | | | | | |
|-----------------|----------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------------------|------------|------------|------------|------------|------------|------------|------------|
| | 2010 | 2009 | 2008 | 2007 | 2006 | 2005 | 2004 | 2003 | 2010 | 2009 | 2008 | 2007 | 2006 | 2005 | 2004 | 2003 |
| Ashanti | 69.4 | 65.5 | 63.3 | 65.1 | 54.3 | 60.6 | 60.8 | 65.5 | 3.9 | 4.0 | 4.2 | 4.8 | 4.4 | 4.8 | 5.0 | 5.5 |
| Brong Ahafo | 62.2 | 57.9 | 60.5 | 66.5 | 55.3 | 57.5 | 65.5 | 59.9 | 3.8 | 3.5 | 3.9 | 3.9 | 4.0 | 4.5 | 4.5 | 4.7 |
| Central | 50.5 | 51.4 | 52.5 | 49.9 | 46.2 | 50.2 | 54.1 | 51.6 | 3.6 | 3.5 | 4.0 | 4.1 | 3.8 | 4.0 | 4.3 | 4.9 |
| Eastern | 57.4 | 55.9 | 55.6 | 54.3 | 50.7 | 50.3 | 49.2 | 55.1 | 4.2 | 4.2 | 4.4 | 5.0 | 4.9 | 4.7 | 4.9 | 5.1 |
| Greater Accra | 86.1 | 78.3 | 72.0 | 68.5 | 61.5 | 68.0 | 72.2 | 70.0 | 6.4 | 6.0 | 6.4 | 6.4 | 6.3 | 6.2 | 7.9 | 7.5 |
| Northern | 71.0 | 59.1 | 61.3 | 55.1 | 49.0 | 60.8 | 59.1 | 58.9 | 3.0 | 2.2 | 2.7 | 3.0 | 3.5 | 3.1 | 3.1 | 3.2 |
| Upper East | 52.5 | 49.7 | 42.2 | 45.9 | 41.1 | 45.9 | 49.7 | 48.2 | 2.7 | 2.8 | 2.9 | 3.0 | 3.1 | 3.0 | 3.2 | 3.4 |
| Upper West | 66.1 | 62.1 | 59.4 | 53.5 | 43.2 | 52.1 | 51.8 | 48.9 | 3.5 | 3.5 | 3.4 | 3.7 | 3.6 | 3.4 | 3.3 | 3.8 |
| Volta | 52.9 | 54.1 | 51.1 | 50.6 | 46.3 | 45.3 | 47.4 | 49.1 | 4.2 | 4.5 | 4.9 | 5.7 | 5.6 | 5.6 | 5.8 | 6.1 |
| Western | 53.8 | 52.0 | 51.5 | 48.7 | 49.4 | 51.9 | 53.3 | 52.1 | 3.3 | 3.3 | 3.7 | 3.9 | 4.1 | 4.2 | 4.2 | 4.2 |
| National | 63.2 | 59.8 | 58.3 | 57.4 | 51.3 | 55.2 | 56.8 | 57.6 | 3.9 | 3.8 | 4.2 | 4.5 | 4.5 | 4.5 | 4.8 | 5.0 |

| Region | Turnover Per Bed | | | | | | | | Turnover Interval | | | | | | | |
|-----------------|------------------|-------------|-------------|-------------|-----------|-------------|-------------|-------------|-------------------|------------|------------|------------|------------|------------|------------|------------|
| | 2010 | 2009 | 2008 | 2007 | 2006 | 2005 | 2004 | 2003 | 2010 | 2009 | 2008 | 2007 | 2006 | 2005 | 2004 | 2003 |
| Ashanti | 64.6 | 59.7 | 54.7 | 49.9 | 45.4 | 46.2 | 44.6 | 43.5 | 1.7 | 2.1 | 2.5 | 2.5 | 3.7 | 3.1 | 3.2 | 2.9 |
| Brong Ahafo | 60.5 | 59.8 | 56.6 | 61.6 | 49.9 | 47 | 53.5 | 46.9 | 2.3 | 2.6 | 2.6 | 2 | 3.3 | 3.3 | 2.4 | 3.1 |
| Central | 51.0 | 54.2 | 47.9 | 44.6 | 44.6 | 46.2 | 46.0 | 38.3 | 3.5 | 3.3 | 3.6 | 4.1 | 4.4 | 3.9 | 3.7 | 4.6 |
| Eastern | 49.7 | 49 | 46.1 | 39.7 | 38.1 | 38.8 | 37.0 | 39.6 | 3.1 | 3.3 | 3.5 | 4.2 | 4.7 | 4.7 | 5.0 | 4.1 |
| Greater Accra | 49.5 | 47.3 | 41.4 | 39 | 35.8 | 39.9 | 33.3 | 34.1 | 1.0 | 1.7 | 2.5 | 2.9 | 3.9 | 2.9 | 3.1 | 3.2 |
| Northern | 87.8 | 98.2 | 81.6 | 66.1 | 51.4 | 71.4 | 69.6 | 67.8 | 1.2 | 1.5 | 1.7 | 2.5 | 3.6 | 2.0 | 2.2 | 2.2 |
| Upper East | 72.0 | 65.0 | 52.8 | 55.2 | 49.1 | 55.6 | 56.2 | 52 | 2.4 | 2.8 | 4.0 | 3.6 | 4.4 | 3.6 | 3.3 | 3.6 |
| Upper West | 68.9 | 64.0 | 63.2 | 52.1 | 43.8 | 55.4 | 57.7 | 47.4 | 1.8 | 2.2 | 2.4 | 3.3 | 4.7 | 3.2 | 3.1 | 3.9 |
| Volta | 46.3 | 44.1 | 38.4 | 32.5 | 30.4 | 29.8 | 29.7 | 29.4 | 3.7 | 3.8 | 4.7 | 5.6 | 6.4 | 6.7 | 6.5 | 6.3 |
| Western | 60.3 | 57.0 | 50.6 | 45.7 | 44.3 | 45 | 46.0 | 45.1 | 2.8 | 3.1 | 3.5 | 4.1 | 4.2 | 3.9 | 3.7 | 3.9 |
| National | 58.8 | 57.1 | 51.1 | 46.5 | 42 | 44.4 | 43.7 | 42.0 | 2.3 | 2.6 | 3.0 | 3.3 | 4.2 | 3.7 | 3.6 | 3.7 |

Source: CHIM/PPME-GHS

4.0 Health Service Outputs

4.1 Number of Outpatient Attendance by Region

| Region | 2010 | 2009 | 2008 | 2007 | 2006 | 2005 | 2004 |
|-----------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Ashanti | 4,728,463 | 4,323,256 | 3,427,329 | 3,272,767 | 2,613,618 | 2,711,662 | 2,517,396 |
| Brong Ahafo | 3,329,194 | 2,612,168 | 2,869,659 | 2,193,079 | 1,912,396 | 1,502,660 | 1,350,769 |
| Central | 1,259,663 | 1,370,625 | 1,281,602 | 1,293,818 | 900,881 | 875,734 | 860,430 |
| Eastern | 2,668,644 | 2,272,375 | 2,279,528 | 2,186,024 | 1,477,204 | 1,278,852 | 1,186,311 |
| Greater Accra | 3,731,034 | 2,179,283 | 2,105,980 | 2,352,191 | 1,785,471 | 1,828,929 | 1,779,887 |
| Northern | 1,385,832 | 1,245,261 | 1,113,699 | 685,085 | 652,054 | 681,667 | 638,455 |
| Upper East | 1,516,610 | 1,387,025 | 1,018,813 | 689,124 | 538,202 | 561,182 | 565,659 |
| Upper West | 598,533 | 484,513 | 459,309 | 420,775 | 290,449 | 339,923 | 307,946 |
| Volta | 1,515,544 | 1,335,027 | 1,378,484 | 958,330 | 745,979 | 750,000 | 735,727 |
| Western | 2,650,328 | 2,538,306 | 2,140,855 | 1,724,606 | 1,324,909 | 1,114,579 | 1,128,674 |
| National | 23,383,845 | 19,747,839 | 18,075,258 | 15,775,799 | 12,241,163 | 11,650,188 | 11,071,254 |

| Region | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 | 1997 |
|-----------------|-------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Ashanti | 2,459,629 | 2,226,059 | 1,845,741 | 1,592,979 | 1,384,714 | 917,537 | 1,333,164 |
| Brong Ahafo | 1,248,955 | 1,190,139 | 1,169,682 | 1,104,779 | 947,607 | 923,773 | 970,335 |
| Central | 824,193 | 734,932 | 658,715 | 529,575 | 429,057 | 408,188 | 337,401 |
| Eastern | 1,057,649 | 984,570 | 962,951 | 923,226 | 780,550 | 741,171 | 800,724 |
| Greater Accra | 1,621,972 | 1,639,943 | 1,611,198 | 1,305,933 | 1,208,996 | 1,212,595 | 949,700 |
| Northern | 526,678 | 536,880 | 623,417 | 673,790 | 510,210 | 384,543 | 364,480 |
| Upper East | 561,455 | 604,645 | 481,298 | 490,123 | 454,034 | 380,449 | 256,398 |
| Upper West | 289,252 | 294,325 | 286,333 | 280,381 | 242,077 | 155,887 | 155,049 |
| Volta | 664,788 | 610,526 | 636,209 | 624,066 | 584,406 | 536,444 | 571,271 |
| Western | 964,450 | 931,615 | 924,005 | 792,119 | 725,383 | 706,315 | 661,632 |
| National | 10,219,021 | 9,753,634 | 9,199,549 | 8,316,971 | 7,267,034 | 6,734,345 | 6,400,154 |

Source: CHIM/PPME-GHS

4.2 Outpatient Attendance per Capita

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

| Region | 2010 | 2009 | 2008 | 2007 | 2006 | 2005 | 2004 | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 |
|-----------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Ashanti | 1.04 | 0.89 | 0.73 | 0.72 | 0.59 | 0.63 | 0.61 | 0.62 | 0.58 | 0.56 | 0.5 | 0.4 | 0.38 |
| Brong Ahafo | 1.25 | 1.15 | 1.3 | 1.02 | 0.91 | 0.73 | 0.67 | 0.64 | 0.62 | 0.62 | 0.61 | 0.54 | 0.54 |
| Central | 0.81 | 0.71 | 0.68 | 0.7 | 0.5 | 0.5 | 0.5 | 0.49 | 0.44 | 0.41 | 0.34 | 0.28 | 0.27 |
| Eastern | 1.04 | 0.95 | 0.97 | 0.94 | 0.65 | 0.57 | 0.53 | 0.48 | 0.45 | 0.45 | 0.44 | 0.38 | 0.36 |
| Greater Accra | 0.97 | 0.51 | 0.51 | 0.6 | 0.47 | 0.51 | 0.52 | 0.49 | 0.52 | 0.53 | 0.45 | 0.43 | 0.46 |
| Northern | 0.54 | 0.53 | 0.49 | 0.31 | 0.3 | 0.33 | 0.31 | 0.27 | 0.28 | 0.33 | 0.36 | 0.29 | 0.23 |
| Upper East | 1.47 | 1.37 | 1.01 | 0.69 | 0.55 | 0.58 | 0.59 | 0.59 | 0.64 | 0.52 | 0.53 | 0.5 | 0.42 |
| Upper West | 0.91 | 0.72 | 0.7 | 0.65 | 0.46 | 0.54 | 0.5 | 0.48 | 0.49 | 0.49 | 0.49 | 0.43 | 0.28 |
| Volta | 0.76 | 0.69 | 0.73 | 0.51 | 0.41 | 0.42 | 0.42 | 0.38 | 0.36 | 0.39 | 0.39 | 0.36 | 0.34 |
| Western | 1.16 | 0.69 | 0.86 | 0.72 | 0.57 | 0.49 | 0.52 | 0.46 | 0.45 | 0.49 | 0.43 | 0.39 | 0.39 |
| National | 0.98 | 0.81 | 0.77 | 0.69 | 0.55 | 0.54 | 0.52 | 0.5 | 0.49 | 0.49 | 0.45 | 0.4 | 0.38 |

Source: CHIM/PPME-GHS

4.3 Number of Inpatient Admissions by Region

| Region | 2010 | 2009 | 2008 | 2007 | 2006 | 2005 | 2004 |
|-----------------|------------------|------------------|----------------|----------------|----------------|----------------|----------------|
| Ashanti | 225,629 | 207,089 | 145,316 | 163,357 | 147,223 | 158,436 | 153,891 |
| Brong Ahafo | 123,187 | 111,521 | 104,976 | 83,034 | 81,607 | 77,798 | 67,931 |
| Central | 79,562 | 77,620 | 60,658 | 96,404 | 67,628 | 63,932 | 59,611 |
| Eastern | 139,159 | 127,050 | 121,985 | 99,555 | 91,578 | 100,222 | 82,859 |
| Greater Accra | 132,975 | 112,314 | 79,974 | 136,823 | 92,890 | 98,561 | 81,874 |
| Northern | 118,499 | 116,818 | 66,146 | 69,185 | 60,547 | 67,063 | 72,368 |
| Upper East | 66,538 | 56,324 | 48,507 | 57,428 | 41,166 | 42,971 | 41,695 |
| Upper West | 51,605 | 44,287 | 42,061 | 36,721 | 29,716 | 36,047 | 32,157 |
| Volta | 101,653 | 93,829 | 83,093 | 70,162 | 69,919 | 70,000 | 68,144 |
| Western | 121,263 | 115,246 | 94,037 | 88,332 | 85,446 | 85,407 | 84,908 |
| National | 1,160,070 | 1,062,098 | 846,753 | 901,001 | 767,720 | 800,437 | 745,438 |

| Region | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 | 1997 |
|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Ashanti | 150,209 | 133,495 | 107,029 | 108,441 | 97,654 | 88,465 | 106,127 |
| Brong Ahafo | 67,009 | 62,531 | 65,211 | 64,735 | 45,447 | 46,373 | 63,739 |
| Central | 55,820 | 54,871 | 52,999 | 49,169 | 43,392 | 30,336 | 27,382 |
| Eastern | 99,469 | 90,329 | 87,163 | 71,106 | 65,108 | 58,681 | 68,362 |
| Greater Accra | 76,606 | 88,299 | 91,009 | 76,956 | 58,205 | 74,475 | 75,683 |
| Northern | 74,733 | 69,801 | 67,323 | 58,856 | 43,561 | 40,279 | 32,545 |
| Upper East | 39,164 | 38,910 | 35,382 | 34,483 | 33,900 | 31,104 | 34,267 |
| Upper West | 30,656 | 31,846 | 28,580 | 24,887 | 19,679 | 13,774 | 15,704 |
| Volta | 66,241 | 63,844 | 57,081 | 56,329 | 51,894 | 51,625 | 48,233 |
| Western | 78,984 | 71,949 | 67,737 | 61,472 | 53,944 | 57,217 | 52,087 |
| National | 738,891 | 705,875 | 659,514 | 606,434 | 512,784 | 492,329 | 524,129 |

Source: CHIM/PPME-GHS

4.4 Hospital Admission Rate

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

| Region | 2010 | 2009 | 2008 | 2007 | 2006 | 2005 | 2004 | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 |
|-----------------|--------------|--------------|--------------|--------------|-------------|-------------|-------------|-----------|-------------|-------------|-------------|-------------|-------------|
| Ashanti | 45.92 | 42.42 | 30.78 | 35.78 | 33.3 | 37.1 | 37.3 | 37.6 | 34.6 | 28.7 | 30 | 28 | 26.2 |
| Brong Ahafo | 54.18 | 49.19 | 47.46 | 38.48 | 38.8 | 37.9 | 33.9 | 34.3 | 32.8 | 35 | 35.7 | 25.7 | 26.8 |
| Central | 38.65 | 40.39 | 32.23 | 52.3 | 37.5 | 36.2 | 34.4 | 32.9 | 33 | 32.9 | 31.1 | 27.8 | 19.8 |
| Eastern | 54.03 | 53.21 | 51.81 | 42.87 | 40 | 44.4 | 37.2 | 45.3 | 41.7 | 40.8 | 33.7 | 31.3 | 28.6 |
| Greater Accra | 34.69 | 26.23 | 19.5 | 34.83 | 25 | 27.3 | 23.7 | 23.2 | 27.9 | 30 | 26.4 | 20.9 | 27.9 |
| Northern | 48.44 | 50.04 | 29.13 | 31.32 | 28.2 | 32.1 | 35.6 | 37.8 | 36.3 | 35.3 | 31.7 | 24.6 | 23.4 |
| Upper East | 64.6 | 55.48 | 48.3 | 57.81 | 41.9 | 44.2 | 43.4 | 41.2 | 41.4 | 38.2 | 37.6 | 37.3 | 34.6 |
| Upper West | 76.31 | 66 | 63.75 | 56.6 | 46.6 | 57.5 | 52.1 | 50.6 | 53.4 | 49 | 43.4 | 34.7 | 24.7 |
| Volta | 48.71 | 48.43 | 43.71 | 37.61 | 38.2 | 39 | 38.7 | 38.3 | 37.6 | 34.8 | 34.9 | 32.3 | 32.9 |
| Western | 51.84 | 45.1 | 37.98 | 36.82 | 37 | 37.9 | 38.9 | 37.3 | 35.1 | 35.7 | 33.4 | 28.9 | 31.7 |
| National | 47.87 | 43.79 | 35.91 | 39.29 | 34.4 | 36.9 | 35.3 | 36 | 35.3 | 34.9 | 32.1 | 27.9 | 27.5 |

Source: CHIM/PPME-GHS

4.5 Case Fatality Rate for Malaria

| 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 | 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 | 3.4 | 3.9 | 3.9 | 4.2 | 4 | 4.5 | 4.1 |
| Eastern | 0.76 | 0.76 | 0.8 | 0.8 | 1 | 0.8 | 1.5 | 1.3 | 1.5 | 1.5 | 1.5 | 1.2 |
| Greater Accra | 3.06 | 2.33 | 1 | 1.2 | 1.2 | 1.5 | 1.5 | 4 | 1 | 2.3 | 1.2 | 2 |
| Northern | 2.41 | 2.03 | 3 | 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 | 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 | 2 | 3 | 2.5 |
| Volta | 1.56 | 1.78 | 1.9 | 2.3 | 2.1 | 2.9 | 3 | 2.7 | 3.1 | 3 | 4.8 | 4.4 |
| Western | 1.36 | 1.21 | 1.8 | 1.5 | 2.1 | 1.9 | 3 | 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 |

Source: CHIM/PPME-GHS

4.5 Top Twenty Causes of Outpatient Morbidity 2003 – 2010

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

| | Diseases | 2008 | | 2007 | | 2006 | |
|----|-------------------------------------|-------------------|------------|-------------------|------------|-------------------|------------|
| | | Number of Cases | % of Total | Number of Cases | % of Total | Number of Cases | % of Total |
| 1 | Malaria | 5,041,025 | 47.4 | 5,384,685 | 42.5 | 3,861,348 | 37.83 |
| 2 | Upper respiratory tract infection | 794,301 | 7.5 | 920,806 | 7.3 | 632,755 | 6.2 |
| 3 | Diarrhoeal Diseases | 385,737 | 3.6 | 452,250 | 3.6 | 345,454 | 3.38 |
| 4 | Skin Diseases | 422,948 | 4 | 539,197 | 4.3 | 341,044 | 3.34 |
| 5 | Hypertension | 321,994 | 3 | 505,180 | 4 | 283,591 | 2.78 |
| 6 | Home/Occupational Injuries | 133,051 | 1.3 | 194,695 | 1.5 | 167,029 | 1.64 |
| 7 | Acute Eye Infections | 185,175 | 1.7 | 288,908 | 2.3 | 192,984 | 1.89 |
| 8 | Pregnancy and Related Complications | 158,458 | 1.5 | 188,731 | 1.5 | 136,958 | 1.34 |
| 9 | Rheumatic and Joint Diseases | 254,518 | 2.4 | 270,296 | 2.1 | 183,144 | 1.79 |
| 10 | Anaemia | 139,593 | 1.3 | 185,293 | 1.5 | 143,171 | 1.4 |
| 11 | Intestinal Worms | 165,534 | 1.6 | 208,429 | 1.6 | 130,071 | 1.27 |
| 12 | Gynaecological Diseases | 92,719 | 0.9 | 182,349 | 1.4 | 100,913 | 0.99 |
| 13 | Pneumonia | 85,386 | 0.8 | 124,403 | 1 | 91,491 | 0.9 |
| 14 | Malaria in Pregnancy | 89,402 | 0.9 | 114,577 | 0.9 | 86,730 | 0.85 |
| 15 | Acute Ear Infection | 90,562 | 0.9 | 165,834 | 1.3 | 89,163 | 0.87 |
| 16 | Typhoid Fever | 93,026 | 0.9 | 89,444 | 0.7 | 67,780 | 0.66 |
| 17 | Road Traffic Injuries | 54,139 | 0.5 | 82,152 | 0.6 | 64,646 | 0.63 |
| 18 | Other Oral Conditions | 40,827 | 0.4 | 94,449 | 0.7 | 52,073 | 0.51 |
| 19 | Dental Caries | 44,496 | 0.4 | N/A | N/A | 53,632 | 0.53 |
| 20 | Chicken Pox | 77,790 | 0.7 | N/A | N/A | N/A | N/A |
| | All Other Diseases | 1,968,865 | 18.5 | 2,599,905 | 20.5 | 2,696,156 | 26.41 |
| | Total Cases | 10,639,546 | | 12,667,324 | | 10,208,310 | |

| | Diseases | 2005 | | 2004 | | 2003 | |
|----|-------------------------------------|------------------|------------|------------------|------------|------------------|------------|
| | | Number of Cases | % of Total | Number of Cases | % of Total | Number of Cases | % of Total |
| 1 | Malaria | 3,799,158 | 44.76 | 3,379,527 | 44.1 | 3,359,191 | 43.9 |
| 2 | Upper respiratory tract infection | 581,323 | 6.85 | 549,398 | 7.2 | 519,652 | 6.8 |
| 3 | Diarrhoeal Diseases | 352,384 | 4.15 | 331,998 | 4.3 | 322,404 | 4.2 |
| 4 | Skin Diseases | 352,295 | 4.15 | 314,436 | 4.1 | 325,262 | 4.3 |
| 5 | Hypertension | 249,342 | 2.94 | 206,925 | 2.7 | 212,354 | 2.8 |
| 6 | Home/Occupational Injuries | 192,033 | 2.26 | 177,971 | 2.3 | 187,943 | 2.5 |
| 7 | Acute Eye Infections | 190,293 | 2.24 | 162,182 | 2.1 | 187,234 | 2.4 |
| 8 | Pregnancy and Related Complications | 172,253 | 2.03 | 145,079 | 1.9 | 151,475 | 2 |
| 9 | Rheumatic and Joint Diseases | 162,162 | 1.91 | 142,834 | 1.9 | 146,552 | 1.9 |
| 10 | Anaemia | 144,606 | 1.7 | 129,315 | 1.7 | 128,009 | 1.7 |
| 11 | Intestinal Worms | 134,440 | 1.58 | 119,885 | 1.6 | 151,330 | 2 |
| 12 | Gynaecological Diseases | 110,199 | 1.3 | 101,786 | 1.3 | 103,251 | 1.4 |
| 13 | Pneumonia | 83,154 | 0.95 | 76,742 | 1 | 77,477 | 1 |
| 14 | Malaria in Pregnancy | 94,135 | 1.11 | 74,279 | 1 | 58,113 | 0.8 |
| 15 | Acute Ear Infection | 80,154 | 0.95 | 74,002 | 1 | 71,974 | 0.9 |
| 16 | Typhoid Fever | 76,293 | 0.9 | 65,333 | 0.9 | 53,825 | 0.7 |
| 17 | Road Traffic Injuries | 76,486 | 0.9 | 64,300 | 0.8 | 61,296 | 0.8 |
| 18 | Other Oral Conditions | 52,394 | 0.62 | 52,381 | 0.7 | 49,459 | 0.6 |
| 19 | Dental Caries | 52,615 | 0.62 | 47,867 | 0.6 | 50,262 | 0.7 |
| 20 | Chicken Pox | N/A | N/A | 45,512 | 0.6 | 19,614 | 0.3 |
| | All Other Diseases | 1,167,593 | 13.76 | 1,398,759 | 18.3 | 1,409,845 | 18.4 |
| | Total Cases | 8,163,597 | | 7,660,241 | | 7,646,522 | |

Source: CHIM/PPME-GHS

NA: Data Not Available

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

5.0 PUBLIC HEALTH SERVICES

5.1 HIV Prevalence among pregnant women attending ANC clinics

| Region | 2010 | 2009 | 2008 | 2007 | 2006 | 2005 | 2004 |
|---------------|------------|------------|------------|------------|------------|------------|------------|
| Ashanti | 3.0 | 3.9 | 3 | 3.8 | 3.7 | 3 | 3 |
| Brong Ahafo | 2.0 | 2.9 | 2.6 | 3.3 | 2.8 | 3.3 | 4.5 |
| Central | 1.9 | 3.0 | 2 | 2.9 | 2.5 | 2.9 | 3.5 |
| Eastern | 3.2 | 4.2 | 4.5 | 4.2 | 4.9 | 4.7 | 6.5 |
| Greater Accra | 2.6 | 3.2 | 3 | 3.4 | 3.4 | 2.1 | 3.9 |
| Northern | 0.7 | 2.0 | 1.1 | 1.7 | 1.3 | 1.2 | 1.8 |
| Upper East | 2.4 | 2.2 | 2 | 2.5 | 3.2 | 2.6 | 3.1 |
| Upper West | 1.7 | 3.1 | 1.6 | 3.3 | 2.5 | 2.6 | 1.7 |
| Volta | 1.8 | 2.6 | 1.7 | 2 | 3 | 1.9 | 3.5 |
| Western | 2.5 | 3.1 | 2.9 | 3.2 | 4.3 | 2.9 | 4.6 |
| National | 2.0 | 2.9 | 2.2 | 2.6 | 3.2 | 2.7 | 3.1 |

Source: NACP/ PHD

5.2 HIV Prevalence among pregnant women by Age Groups

| Age Group | 2010 | 2009 | 2008 | 2007 | 2006 | 2005 | 2004 |
|--------------------|------------|------------|------------|------------|------------|------------|------------|
| 15 – 19 Yrs | 1.1 | 1.9 | 1.2 | 1.6 | 1.4 | 0.8 | 2 |
| 20 – 24 Yrs | 1.7 | 2.2 | 2.3 | 2.9 | 2.9 | 2.4 | 2.7 |
| 25 – 29 Yrs | 2.5 | 3.7 | 3 | 3.5 | 4.2 | 3.6 | 4.5 |
| 30 – 34 Yrs | 2.8 | 3.4 | 2.8 | 2.9 | 3.7 | 3.2 | 4.4 |
| 35 – 39 Yrs | 2.8 | 3.6 | 2.9 | 3.5 | 2.8 | 2.4 | 3.9 |
| 40 – 44 Yrs | 2.1 | 4 | 1.8 | 1.7 | 3.3 | 3.7 | 2.3 |
| 45 – 49 Yrs | 2.7 | 1.8 | 2.6 | 1.3 | 2.5 | 5 | 0 |
| 15 – 24 Yrs | 1.5 | 2.1 | 1.9 | 2.9 | 2.5 | 1.9 | 2.5 |

Source: NACP/ PHD

5.3 Guinea Worm Cases

| Region | 2010 | 2009 | 2008 | 2007 | 2006 | 2005 | 2004 |
|-----------------|----------|------------|------------|--------------|--------------|-------------|--------------|
| Ashanti | 0 | 2 | 5 | 18 | 53 | 59 | 85 |
| Brong Ahafo | 0 | 2 | 11 | 42 | 204 | 293 | 336 |
| Central | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| Eastern | 0 | 1 | 2 | 7 | 8 | 17 | 27 |
| Greater Accra | 0 | 0 | 0 | 2 | 1 | 3 | 3 |
| Northern | 8 | 237 | 479 | 3,237 | 3,679 | 2,981 | 4,979 |
| Upper East | 0 | 0 | 1 | 5 | 10 | 7 | 15 |
| Upper West | 0 | 0 | 1 | 23 | 93 | 333 | 222 |
| Volta | 0 | 0 | 1 | 22 | 86 | 286 | 1,604 |
| Western | 0 | 0 | 0 | 2 | 2 | 2 | 4 |
| National | 8 | 242 | 501 | 3,358 | 4,136 | 3981 | 7,275 |

Source: Guinea Worm Eradication Programme

5.4 Tuberculosis Case Detection per 100,000 Population

| Region | 2010 | 2009 | 2008 | 2007 | 2006 | 2005 | 2004 | 2003 | 2002 | 2001 | 2000 |
|-----------------|-----------|-----------|-----------|-----------|-----------|-----------|-------------|-------------|-------------|-------------|-----------|
| Ashanti | 59 | 53 | 54 | 51 | 49 | 53 | 53.4 | 56.2 | 47.3 | 52.5 | 50.5 |
| Brong Ahafo | 37 | 38 | 30 | 36 | 31 | 28 | 32.7 | 33.6 | 39.2 | 31.5 | 35.2 |
| Central | 73 | 80 | 67 | 69 | 61 | 75 | 79.6 | 81.4 | 89.3 | 99.3 | 97.6 |
| Eastern | 72 | 80 | 71 | 71 | 72 | 75 | 67 | 76.2 | 80.8 | 79.2 | 66.6 |
| Greater Accra | 81 | 82 | 80 | 69 | 78 | 67 | 63.7 | 60.5 | 64.5 | 63.3 | 67.1 |
| Northern | 22 | 24 | 31 | 25 | 20 | 18 | 24.1 | 19.3 | 25.4 | 23.8 | 21.6 |
| Upper East | 63 | 48 | 48 | 51 | 32 | 34 | 38.5 | 36.5 | 35.9 | 34.7 | 39.3 |
| Upper West | 38 | 37 | 35 | 29 | 28 | 35 | 34.8 | 31.7 | 52.7 | 67.3 | 37.9 |
| Volta | 66 | 80 | 68 | 58 | 61 | 64 | 69.6 | 69.8 | 68 | 75.9 | 76.1 |
| Western | 76 | 74 | 74 | 73 | 75 | 76 | 66.6 | 78.5 | 78.6 | 85.7 | 71.5 |
| National | 63 | 64 | 61 | 57 | 57 | 57 | 56.6 | 58.4 | 59.1 | 61.4 | 58 |

Source: National TB Programme (PHD)

5.5 Tuberculosis Cure Rate

| Region | 2009 | 2008 | 2007 | 2006 | 2005 | 2004 | 2003 | 2002 | 2001 | 2000 |
|-----------------|-------------|-------------|-------------|-------------|-------------|-----------|-----------|-------------|-------------|-------------|
| Ashanti | 77.4 | 81.4 | 82.3 | 80.5 | 74.7 | 71.9 | 69 | 59.2 | 45.8 | 32.2 |
| Brong Ahafo | 71.3 | 70.9 | 64.1 | 59 | 60.8 | 61.1 | 63.7 | 63.5 | 55.2 | 50.9 |
| Central | 86.3 | 87.1 | 81.8 | 71.4 | 62.9 | 42.4 | 46.3 | 47.5 | 34.4 | 44.7 |
| Eastern | 73.8 | 75.5 | 72.9 | 68.8 | 63.1 | 61.4 | 60 | 47 | 45.8 | 54.1 |
| Greater Accra | 81.7 | 82 | 82.5 | 76 | 80.5 | 82 | 77.7 | 64.8 | 67 | 63 |
| Northern | 79.3 | 74.8 | 76.3 | 66.4 | 66 | 47 | 64.0 | 45.0 | 35.6 | 34.3 |
| Upper East | 88.3 | 72.2 | 75 | 73.6 | 66.9 | 67.4 | 59.6 | 56.4 | 60.6 | 28.6 |
| Upper West | 54.6 | 42.1 | 44.5 | 56.3 | 47.4 | 62.5 | 52 | 39.4 | 39.2 | 70.5 |
| Volta | 90.7 | 88 | 79.8 | 74 | 77.3 | 74.4 | 74.7 | 71.8 | 70.1 | 66 |
| Western | 77.6 | 73.5 | 74.2 | 59.9 | 57.6 | 55.6 | 38.7 | 41.6 | 27 | 47.9 |
| National | 79.1 | 78.8 | 77.5 | 76.1 | 67.6 | 64 | 61 | 55.1 | 47.9 | 44.9 |

Source: National TB Programme (PHD)

5.6 Tuberculosis Success Rate

| Region | 2010 | 2009 | 2008 | 2007 | 2006 | 2005 | 2004 | 2003 | 2002 | 2001 | 2000 |
|--------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Ashanti | 91.8 | 88.8 | 90.3 | 90 | 86 | 80 | 79 | 81 | 70 | 62 | 76 |
| Komfo Anokye Teaching Hospital | 75.7 | 70.8 | 73.5 | 86 | 70 | 57 | 64 | 71 | 64 | 52 | 63 |
| Brong Ahafo | 76.6 | 78.9 | 82.3 | 77 | 70 | 66 | 67 | 69 | 70 | 65 | 66 |
| Central | 87.7 | 90.4 | 90 | 87 | 75 | 67 | 54 | 53 | 55 | 49 | 47 |
| Eastern | 72.1 | 80.5 | 82 | 79 | 77 | 72 | 67 | 64 | 62 | 64 | 60 |
| Greater Accra | 89.3 | 87.5 | 84.9 | 87 | 85 | 79 | 82 | 79 | 76 | 71 | 71 |
| Korle Bu Teaching Hospital | 72.7 | 65.8 | 70.8 | 70 | 69 | 68 | 77 | 71 | 68 | 70 | 60 |
| Northern | 85.0 | 84.5 | 87.8 | 83 | 80 | 80 | 74 | 75 | 73 | 65 | 57 |
| Upper East | 88.3 | 89.1 | 76.9 | 79 | 78 | 72 | 72 | 70 | 68 | 70 | 64 |
| Upper West | 73.0 | 73.6 | 61.8 | 71 | 71 | 65 | 85 | 69 | 62 | 67 | 74 |
| Volta | 87.7 | 97.1 | 93.4 | 87 | 83 | 84 | 82 | 81 | 77 | 78 | 73 |
| Western | 91.0 | 90.9 | 86.5 | 86 | 74 | 67 | 68 | 61 | 70 | 75 | 74 |
| National | 85.5 | 87 | 85.6 | 84 | 79 | 73 | 72 | 70 | 68 | 65 | 65 |

Source: National TB Programme (PHD), *GHS 2010 ANNUAL REPORT

6.0 Expanded Programme On Immunization

| REGION | 6.1 Measles Immunisation Coverage Rate, 1998 - 2010 | | | | | | | | | | | | |
|---------------|---|-------|-------|-------|-------|------|------|------|-------|------|-------|------|------|
| | 2010 | 2009 | 2008 | 2007 | 2006 | 2005 | 2004 | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 |
| Ashanti | 87.8 | 87.1 | 80.7 | 77.7 | 73.7 | 79 | 68 | 70 | 77 | 83.9 | 68.7 | 57 | 60.8 |
| Brong Ahafo | 95.5 | 93.9 | 96.6 | 102 | 99.4 | 89 | 87 | 86 | 87 | 91.1 | 102 | 68 | 63.1 |
| Central | 97.4 | 98.1 | 94.4 | 94 | 89 | 85 | 83 | 81 | 83.5 | 80.5 | 79 | 62 | 72.9 |
| Eastern | 96.0 | 94 | 95.1 | 95.5 | 93.8 | 92 | 86 | 93 | 91.6 | 84.7 | 87.9 | 57 | 61.9 |
| Greater Accra | 71.2 | 74 | 67.3 | 69.2 | 65.9 | 67 | 63 | 66 | 75.6 | 70 | 65.8 | 60 | 68.5 |
| Northern | 107.1 | 119.7 | 109.2 | 116.4 | 112.4 | 96 | 94 | 92 | 106.4 | 90 | 100.6 | 96 | 89.3 |
| Upper East | 83.6 | 105.9 | 93.1 | 102.2 | 95.8 | 85 | 88 | 84 | 93.3 | 77 | 95.7 | 73 | 64.4 |
| Upper West | 82.0 | 90.6 | 90 | 97.7 | 101.1 | 78 | 92 | 88 | 89.7 | 90.9 | 90.2 | 64 | 74.3 |
| Volta | 78.4 | 78.3 | 78.8 | 78.8 | 71 | 69 | 70 | 68 | 65.3 | 71.7 | 68.3 | 49 | 53.1 |
| Western | 85.7 | 85.2 | 87.5 | 92.1 | 90.3 | 80 | 86 | 87 | 86.8 | 92.1 | 89.2 | 68 | 72.6 |
| National | 87.7 | 89.1 | 86.5 | 88.6 | 85.1 | 81 | 78 | 79 | 83.8 | 82.4 | 81.5 | 71 | 67.4 |

Source: Expanded Programme on Immunisation

| REGION | 6.2 Penta 3 (DPT3) Immunisation Coverage Rate, 1998 - 2010 | | | | | | | | | | | | |
|---------------|--|-------|-------|-------|-------|------|------|------|------|------|-------|------|------|
| | 2010 | 2009 | 2008 | 2007 | 2006 | 2005 | 2004 | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 |
| Ashanti | 86.5 | 83.7 | 76.8 | 72.3 | 71 | 73 | 66 | 66 | 70.3 | 74.2 | 68.3 | 65 | 64.8 |
| Brong Ahafo | 94.3 | 95.0 | 97.3 | 100.2 | 96.8 | 91 | 83 | 81 | 82.7 | 86.9 | 97.7 | 78 | 64.9 |
| Central | 94.3 | 96.6 | 92.2 | 92.6 | 88.4 | 88 | 86 | 83 | 82 | 81.3 | 90.4 | 80 | 76.2 |
| Eastern | 93.6 | 94.5 | 93 | 93 | 88.6 | 89 | 79 | 81 | 80.1 | 67.7 | 91.4 | 82 | 64.5 |
| Greater Accra | 70.1 | 72.7 | 68.3 | 67.8 | 65.4 | 66 | 55 | 62 | 71.5 | 64.8 | 65 | 68 | 67.3 |
| Northern | 109.2 | 123.0 | 114.5 | 123.7 | 115.2 | 112 | 93 | 85 | 90.2 | 82.3 | 91.2 | 82 | 82.2 |
| Upper East | 83.1 | 105.9 | 94.8 | 101.6 | 92.6 | 97 | 87 | 83 | 90.7 | 77.1 | 99.9 | 75 | 59.8 |
| Upper West | 83.0 | 90.1 | 87.5 | 93.9 | 92.4 | 76 | 90 | 87 | 84.9 | 91.2 | 102.5 | 77 | 79.8 |
| Volta | 81.4 | 82.9 | 83.8 | 83.8 | 77.5 | 75 | 71 | 67 | 64.7 | 72.7 | 68.1 | 58 | 57.5 |
| Western | 86.4 | 88.6 | 89 | 93.3 | 91.1 | 85 | 86 | 88 | 85.4 | 85.7 | 84.5 | 81 | 72.8 |
| National | 87.1 | 89.3 | 86.6 | 87.8 | 84.2 | 83 | 76 | 76 | 78.1 | 76.3 | 81.6 | 73 | 68.2 |

Source: Expanded Programme on Immunisation

| REGION | 6.3 OPV3 Immunisation Coverage Rate, 1998 - 2010 | | | | | | | | | | | | |
|-----------------|--|--------------|-------------|-------------|-------------|-----------|-----------|-------------|-------------|-------------|-----------|-------------|-------------|
| | 2010 | 2009 | 2008 | 2007 | 2006 | 2005 | 2004 | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 |
| Ashanti | 86.3 | 83.61 | 76.7 | 72.3 | 70.6 | 72 | 66 | 68 | 70.5 | 76.1 | 68.5 | 68.2 | 64.6 |
| Brong Ahafo | 94.1 | 93.76 | 97.2 | 101.3 | 97.1 | 91 | 82 | 80.2 | 81.2 | 86.2 | 96.1 | 79.4 | 63.6 |
| Central | 92.9 | 93.66 | 90.9 | 92.7 | 88.2 | 102 | 89 | 83.9 | 85.5 | 81.1 | 91.2 | 81.4 | 76.7 |
| Eastern | 93.1 | 94.15 | 92.7 | 93.3 | 88.8 | 91 | 79 | 81.3 | 80.4 | 69.2 | 84.3 | 80 | 64.9 |
| Greater Accra | 70.3 | 72.28 | 68.4 | 67.4 | 64.8 | 66 | 56 | 60.5 | 71.8 | 65.4 | 66.4 | 67.2 | 68.2 |
| Northern | 109 | 122.13 | 114.2 | 122.5 | 113.3 | 112 | 93 | 84.7 | 92 | 74.4 | 90.9 | 75 | 83.1 |
| Upper East | 82.8 | 105.35 | 89.2 | 100.8 | 92.6 | 96 | 87 | 82.9 | 91.9 | 74.2 | 100.6 | 73.5 | 63 |
| Upper West | 81.7 | 89.27 | 87.4 | 93.8 | 92.3 | 75 | 90 | 86.2 | 85 | 92.2 | 103.1 | 82.1 | 79.6 |
| Volta | 81.5 | 83.11 | 83.8 | 83.6 | 78.0 | 76 | 71 | 67.1 | 65 | 71.5 | 71.1 | 62.9 | 58.7 |
| Western | 86.0 | 88.0 | 88.4 | 92.4 | 89.6 | 85 | 86 | 87.4 | 87.1 | 87.1 | 83.7 | 79 | 75.3 |
| National | 86.8 | 88.69 | 86.1 | 87.6 | 83.7 | 84 | 76 | 75.5 | 78.8 | 75.9 | 81 | 74.1 | 68.9 |

Source: Expanded Programme on Immunisation

| REGION | 6.4 BCG Immunisation Coverage Rate, 1998 - 2010 | | | | | | | | | | | | |
|-----------------|---|--------------|--------------|--------------|-------------|-----------|-----------|-----------|-------------|-------------|-----------|-------------|-------------|
| | 2010 | 2009 | 2008 | 2007 | 2006 | 2005 | 2004 | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 |
| Ashanti | 105.5 | 101.6 | 95.7 | 90.5 | 87.5 | 86 | 72 | 77 | 84.2 | 92.6 | 80 | 80.9 | 78.3 |
| Brong Ahafo | 111.6 | 111.1 | 111.6 | 114.5 | 111.6 | 99 | 98 | 96.7 | 94.6 | 94.8 | 101.5 | 86.1 | 71.7 |
| Central | 120.5 | 123.9 | 118.6 | 124 | 114.5 | 115 | 111 | 109 | 110.9 | 94.9 | 95.6 | 96.3 | 91 |
| Eastern | 114.3 | 114.2 | 111.7 | 110.6 | 110.2 | 114 | 104 | 102.3 | 107.1 | 97.1 | 102.3 | 79.8 | 71.3 |
| Greater Accra | 74.8 | 75.6 | 76.4 | 73.7 | 73.6 | 83 | 72 | 79.3 | 83.3 | 72.8 | 72.4 | 78.1 | 69 |
| Northern | 126.8 | 139.5 | 131 | 130.8 | 128.7 | 117 | 113 | 101.7 | 107.9 | 82.8 | 99.4 | 88.6 | 91.5 |
| Upper East | 91.3 | 123.5 | 107.3 | 112.5 | 110.6 | 96 | 108 | 109.1 | 116.1 | 100.8 | 120.9 | 88.1 | 70 |
| Upper West | 92.3 | 104.6 | 105.2 | 109.1 | 110 | 88 | 106 | 98.5 | 95.6 | 94.5 | 106.2 | 86.5 | 84.4 |
| Volta | 94.1 | 94.5 | 98.1 | 98.1 | 91.4 | 89 | 88 | 82.3 | 80.5 | 84.6 | 83.6 | 73.5 | 66.1 |
| Western | 99.0 | 100.6 | 103 | 107.8 | 103.8 | 98 | 100 | 101 | 104.4 | 108.9 | 102.6 | 97.7 | 86 |
| National | 102.1 | 103.8 | 102.6 | 102.4 | 99.6 | 97 | 92 | 92 | 95.6 | 90.8 | 92 | 84.7 | 77.4 |

Source: Expanded Programme on Immunisation

| REGION | 6.5 Tetanus Toxiols Immunisation Coverage Rate, 2002-2010 | | | | | | | | |
|-----------------|---|-------------|-------------|-------------|-------------|-----------|-------------|--------------|--------------|
| | 2010 | 2009 | 2008 | 2007 | 2006 | 2005 | 2004 | 2003 | 2002 |
| Ashanti | 78.0 | 83.1 | 80.2 | 69 | 68.3 | 64 | 58.8 | 101.3 | 92.2 |
| Brong Ahafo | 84.9 | 82.2 | 89.8 | 90.9 | 88.9 | 89 | 74.1 | 93.5 | 91.2 |
| Central | 94.3 | 89.6 | 93.2 | 81.9 | 78.7 | 88 | 82.3 | 96 | 98.6 |
| Eastern | 83.6 | 85.1 | 80.7 | 67.3 | 68.1 | 66 | 70.4 | 98.3 | 96.9 |
| Greater Accra | 67.4 | 66.8 | 59.6 | 50.3 | 56.8 | 60 | 50 | 110.6 | 119.9 |
| Northern | 93.5 | 108.0 | 97.9 | 95 | 78.5 | 96 | 86.2 | 108.8 | 98.3 |
| Upper East | 63.8 | 85.5 | 66.2 | 90.4 | 78.3 | 72 | 66.4 | 138.7 | 139.7 |
| Upper West | 69.4 | 71.2 | 71.6 | 67.4 | 52.3 | 43 | 80.9 | 118.6 | 124 |
| Volta | 60.8 | 63.9 | 63.7 | 57 | 59.7 | 68 | 76.5 | 104.6 | 103.5 |
| Western | 62.8 | 62.6 | 62.7 | 58.8 | 57.1 | 55 | 61.4 | 79.4 | 96.5 |
| National | 76.2 | 78.6 | 76.3 | 70.1 | 68.2 | 68 | 67.4 | 101.3 | 101.4 |

Source: Expanded Programme on Immunisation

| REGION | 6.6 Yellow Fever Immunisation Coverage Rate, 2002-2010 | | | | | | | | |
|-----------------|--|-------------|-----------|-------------|-----------|-----------|-----------|-------------|-----------|
| | 2010 | 2009 | 2008 | 2007 | 2006 | 2005 | 2004 | 2003 | 2002 |
| Ashanti | 87.4 | 86.8 | 80.4 | 76.9 | 72.9 | 74 | 66 | 68.5 | 68.5 |
| Brong Ahafo | 95.1 | 94.0 | 94.8 | 100.9 | 98.4 | 93 | 81 | 72.9 | 71.8 |
| Central | 95.1 | 96.8 | 91.3 | 91.9 | 86.6 | 78 | 81 | 72.9 | 74.7 |
| Eastern | 95.9 | 94.2 | 95.4 | 95.5 | 90.8 | 91 | 83 | 85.7 | 81.7 |
| Greater Accra | 43.2 | 73.2 | 66.8 | 68.3 | 64.4 | 66 | 63 | 60.4 | 63.4 |
| Northern | 106.0 | 118.7 | 107.6 | 115 | 110 | 101 | 88 | 73.9 | 69.8 |
| Upper East | 81.5 | 107.5 | 84.8 | 101.1 | 92.6 | 88 | 88 | 69.5 | 85.2 |
| Upper West | 82.6 | 89.5 | 88 | 97 | 96.2 | 84 | 93 | 89.3 | 85.1 |
| Volta | 78.5 | 78.2 | 79 | 77 | 71.6 | 69 | 70 | 64.8 | 57.7 |
| Western | 85.5 | 84.7 | 93.1 | 96.6 | 93.6 | 78 | 86 | 84.9 | 74.1 |
| National | 87.5 | 88.8 | 86 | 88.1 | 84 | 80 | 76 | 72.4 | 71 |

Source: Expanded Programme on Immunisation

| REGION | 6.7 AFP Non-Polio Rate 2003-2010 | | | | | | | |
|-----------------|----------------------------------|-------------|-------------|------------|------------|------------|------------|------------|
| | 2010 | 2009 | 2008 | 2007 | 2006 | 2005 | 2004 | 2003 |
| Ashanti | 1.48 | 2.1 | 1.35 | 0.89 | 1.24 | 1.3 | 1.9 | 1.3 |
| Brong Ahafo | 2.4 | 3.7 | 4.22 | 1.44 | 2.11 | 1.7 | 1.9 | 1.4 |
| Central | 1.38 | 4.25 | 2.0 | 3.13 | 1.29 | 1.9 | 1 | 1 |
| Eastern | 1.6 | 4.1 | 2.7 | 1.3 | 1.79 | 1.6 | 1.1 | 1.8 |
| Greater Accra | 0.95 | 1.06 | 1.06 | 0.5 | 0.69 | 0.7 | 1 | 1.6 |
| Northern | 2.2 | 2.5 | 3.4 | 2.11 | 1.33 | 1.6 | 1.9 | 0.9 |
| Upper East | 2.0 | 5.5 | 4.5 | 2.0 | 3.5 | 1.8 | 1.7 | 0.7 |
| Upper West | 4.0 | 4.33 | 3.33 | 3.0 | 2.4 | 2 | 2 | 2.3 |
| Volta | 3.13 | 2.25 | 1.63 | 1.75 | 2.27 | 2.1 | 1.2 | 2.2 |
| Western | 2.18 | 1.82 | 2.1 | 2.8 | 2.89 | 2.6 | 1.7 | 1.1 |
| National | 1.82 | 2.68 | 2.24 | 1.6 | 1.7 | 1.6 | 1.5 | 1.4 |

Source: Disease Surveillance Department

7.0 Reproductive Health Services

| REGION | 7.1 ANTE NATAL COVERAGE | | | | | | | | 7.2 SUPERVISED DELIVERY | | | | | | | |
|-----------------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | 2010 | 2009 | 2008 | 2007 | 2006 | 2005 | 2004 | 2003 | 2010 | 2009 | 2008 | 2007 | 2006 | 2005 | 2004 | 2003 |
| Ashanti | 84.7 | 80.7 | 86.1 | 76.1 | 74 | 76.6 | 79 | 83.6 | 53.4 | 42.4 | 35 | 26.7 | 40.8 | 54.3 | 56.2 | 56.2 |
| Brong Ahafo | 82.3 | 97.9 | 102.1 | 101.8 | 97.4 | 90 | 90 | 97.1 | 54.0 | 53.7 | 49.8 | 34.5 | 47.4 | 62 | 57.8 | 56 |
| Central | 106.1 | 109.1 | 115.5 | 108.7 | 103. 8 | 103.6 | 107. 7 | 102.8 | 51.6 | 52.5 | 56.3 | 22.3 | 74 | 77.1 | 76.3 | 67.1 |
| Eastern | 84.8 | 93.4 | 98.2 | 87.2 | 86 | 82 | 81.4 | 94.6 | 48.2 | 52.1 | 48 | 43.1 | 38.7 | 58.4 | 47.2 | 50.6 |
| Greater Accra | 89.5 | 77.4 | 85.2 | 77.2 | 77.2 | 83.1 | 77.7 | 81 | 54.4 | 47.9 | 50.3 | 43.1 | 42.2 | 48.6 | 46.2 | 49.4 |
| Northern | 120.9 | 120.8 | 127.7 | 116.8 | 109 | 116.6 | 110. 4 | 102.7 | 36.8 | 36.1 | 26 | 27.7 | 25.1 | 57.5 | 48.2 | 39.2 |
| Upper East | 92.5 | 100.1 | 102.1 | 111.7 | 104. 2 | 95.3 | 102 | 100.2 | 59.7 | 52.6 | 40.4 | 43.5 | 38.4 | 53.5 | 71.2 | 44.9 |
| Upper West | 88.8 | 88.9 | 93.5 | 96.3 | 90.3 | 86.1 | 94.7 | 88.7 | 46.5 | 36.7 | 40.6 | 32.9 | 28.8 | 66.5 | 71.2 | 67.4 |
| Volta | 81 | 88.9 | 93.4 | 87.4 | 87.1 | 84.1 | 86.1 | 86.3 | 36.9 | 39.4 | 37.5 | 33.3 | 35.4 | 42 | 39.7 | 49 |
| Western | 109.8 | 93.5 | 98.8 | 91.7 | 93 | 90.2 | 94.7 | 93.5 | 49.6 | 42.6 | 39.1 | 17.6 | 34.8 | 35.8 | 46.2 | 47.6 |
| National | 93.3 | 92.1 | 97.8 | 91.1 | 88.1 | 88.7 | 89.2 | 91.2 | 49.5 | 45.6 | 42.2 | 32.1 | 44.5 | 54.2 | 53.4 | 52.1 |

Source: RCH/PHD

| REGION | 7.3 POST NATAL CARE | | | | | | | | 7.4 FAMILY PLANNING ACCEPTORS | | | | | | | |
|-----------------|---------------------|-------------|-------------|-------------|-------------|-----------|-------------|-------------|-------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | 2010 | 2009 | 2008 | 2007 | 2006 | 2005 | 2004 | 2003 | 2010 | 2009 | 2008 | 2007 | 2006 | 2005 | 2004 | 2003 |
| Ashanti | 52.6 | 38.4 | 51.6 | 50.6 | 51.9 | 47.1 | 52.8 | 58.1 | 17.6 | 17.5 | 15.7 | 15.2 | 15.3 | 14.1 | 13.2 | 14 |
| Brong Ahafo | 59.2 | 53.7 | 57.2 | 57.1 | 53.8 | 57 | 55 | 54.1 | 33 | 43.4 | 36.3 | 40.9 | 42.9 | 41 | 47.9 | 34.8 |
| Central | 66.8 | 71.4 | 77.6 | 73.4 | 68.5 | 76.4 | 70.6 | 67 | 25.1 | 33.1 | 33 | 29.6 | 37 | 32.6 | 33.6 | 24.2 |
| Eastern | 64.5 | 67 | 61.5 | 61.5 | 60.8 | 62.9 | 67.1 | 63.1 | 31.5 | 32.9 | 33.1 | 33.3 | 35 | 24.7 | 25.6 | 32.1 |
| Greater Accra | 57.7 | 51.7 | 48.7 | 48.5 | 44.8 | 47.6 | 40.9 | 47.3 | 31.6 | 32.6 | 63.9 | 16.4 | 20.4 | 17.7 | 18.5 | 25.1 |
| Northern | 88.9 | 84.9 | 80.7 | 76.8 | 70.8 | 73.2 | 62.9 | 62 | 21.5 | 28.9 | 26 | 20.1 | 17.8 | 19.4 | 16.7 | 14.3 |
| Upper East | 76.2 | 77.8 | 57.3 | 66.9 | 60.7 | 56.9 | 48.4 | 50.1 | 24.3 | 33 | 26.2 | 27.4 | 26.7 | 20.7 | 20.2 | 18.7 |
| Upper West | 68.4 | 64.9 | 68.7 | 70.1 | 54.3 | 62 | 94.1 | 75.8 | 49.2 | 56.5 | 59.8 | 85 | 54.3 | 53.9 | 44.6 | 31.4 |
| Volta | 50.1 | 47.3 | 50.5 | 55.6 | 53.9 | 53.9 | 45.7 | 59.1 | 22.5 | 27.5 | 21.6 | 23.7 | 27.9 | 25.7 | 29.9 | 26.2 |
| Western | 54.4 | 49.5 | 45.6 | 37.6 | 35.5 | 35.5 | 32.8 | 36.8 | 13 | 18.9 | 19.6 | 13.9 | 15.2 | 13.8 | 23.2 | 13.8 |
| National | 58.1 | 56.4 | 57.5 | 56.7 | 53.7 | 55 | 53.3 | 55.7 | 34.7 | 31.1 | 33.8 | 23.2 | 25.4 | 22.6 | 24.3 | 22.3 |

Source: RCH/PHD

7.5 Institutional Maternal Mortality Ratio

| Region | 2010 | | 2009 | | 2008 | | 2007 | | 2006 | | 2005 | | 2004 | |
|-----------------|-----------------|--------------------------|-----------------|--------------------------|-----------------|--------------------------|-----------------|--------------------------|-----------------|--------------------------|-----------------|--------------------------|-----------------|--------------------------|
| | Maternal Deaths | Maternal Mortality Ratio |
| Ashanti | 165 | 149.6 | 177 | 215 | 222 | 252.6 | 179 | 245.9 | 175 | 212.2 | 181 | 195.9 | 161 | 176.4 |
| Brong Ahafo | 73 | 138.7 | 94 | 194 | 81 | 185.3 | 88 | 222 | 116 | 225.8 | 75 | 211.4 | 104 | 229.6 |
| Central | 82 | 149.0 | 69 | 129 | 92 | 223.2 | 92 | 266.2 | 85 | 120.6 | 44 | 103.9 | 71 | 134.5 |
| Eastern | 115 | 191.6 | 82 | 136 | 98 | 170.7 | 146 | 265.3 | 118 | 227.3 | 143 | 288.1 | 109 | 267 |
| Greater Accra | 169 | 181.5 | 166 | 197 | 167 | 194.3 | 149 | 202.3 | 118 | 123.6 | 125 | 182.4 | 114 | 183 |
| Northern | 84 | 137.2 | 96 | 147 | 91 | 175.9 | 113 | 206.9 | 91 | 186.2 | 70 | 176.5 | 66 | 172 |
| Upper East | 37 | 137.9 | 30 | 131 | 27 | 152.2 | 29 | 140.7 | 43 | 219.9 | 34 | 172.3 | 46 | 170.9 |
| Upper West | 26 | 157.7 | 41 | 267 | 22 | 120.6 | 30 | 160.9 | 20 | 118.8 | 21 | 122.7 | 19 | 107.7 |
| Volta | 82 | 209.6 | 55 | 146 | 52 | 144.7 | 65 | 200.5 | 65 | 217.4 | 78 | 255.6 | 71 | 261.9 |
| Western | 99 | 176.1 | 79 | 148 | 101 | 269.5 | 104 | 341 | 126 | 284.3 | 92 | 244 | 63 | 155.4 |
| National | 932 | 163.2 | 889 | 170 | 953 | 199.7 | 996 | 230.2 | 957 | 187.2 | 863 | 196.8 | 824 | 186 |

| Region | 2003 | | 2002 | | 2001 | | 2000 | | 1999 | | 1998 | | 1997----- | |
|-----------------|-----------------|--------------------------|-----------------|--------------------------|-----------------|--------------------------|-----------------|--------------------------|-----------------|--------------------------|-----------------|--------------------------|-----------------|--------------------------|
| | Maternal Deaths | Maternal Mortality Ratio |
| Ashanti | 173 | 196.1 | 172 | 203.4 | 184 | 232.1 | 177 | 220.3 | 134 | 232.1 | 140 | 219.8 | 128 | 209.8 |
| Brong Ahafo | 84 | 196.2 | 102 | 235.1 | 110 | 273.1 | 62 | 139.5 | 91 | 273.1 | 81 | 213.1 | 89 | 217.6 |
| Central | 71 | 159.3 | 86 | 206.5 | 100 | 450.5 | 103 | 446.8 | 106 | 450.5 | 117 | 655.9 | 93 | 493.1 |
| Eastern | 113 | 262.6 | 92 | 198.2 | 139 | 292.4 | 108 | 243.4 | 121 | 292.4 | 78 | 202.1 | 101 | 295.3 |
| Greater Accra | 120 | 187.7 | 83 | 122.8 | 91 | 150.7 | 63 | 110.7 | 28 | 150.7 | 93 | 204.2 | 49 | 109.1 |
| Northern | 77 | 254.8 | 49 | 158.2 | 59 | 197.5 | 60 | 201 | 73 | 197.5 | 61 | 294.6 | 39 | 215.7 |
| Upper East | 34 | 203.5 | 59 | 378.3 | 52 | 338.9 | 56 | 371.5 | 43 | 338.9 | 45 | 406.1 | 42 | 420.8 |
| Upper West | 16 | 99.1 | 17 | 106.7 | 42 | 283.2 | 30 | 195.9 | 22 | 283.2 | 14 | 112.4 | 33 | 332.9 |
| Volta | 84 | 256.2 | 91 | 345.6 | 94 | 363.2 | 88 | 361.9 | 97 | 363.2 | 70 | 364.1 | 60 | 289.9 |
| Western | 82 | 209.5 | 86 | 231.9 | 83 | 221.4 | 104 | 283 | 98 | 221.4 | 78 | 249.8 | 53 | 182.9 |
| National | 854 | 204.5 | 837 | 204.4 | 954 | 255.7 | 851 | 229.7 | 813 | 255.7 | 777 | 260.4 | 687 | 239 |

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 (2001-2010)

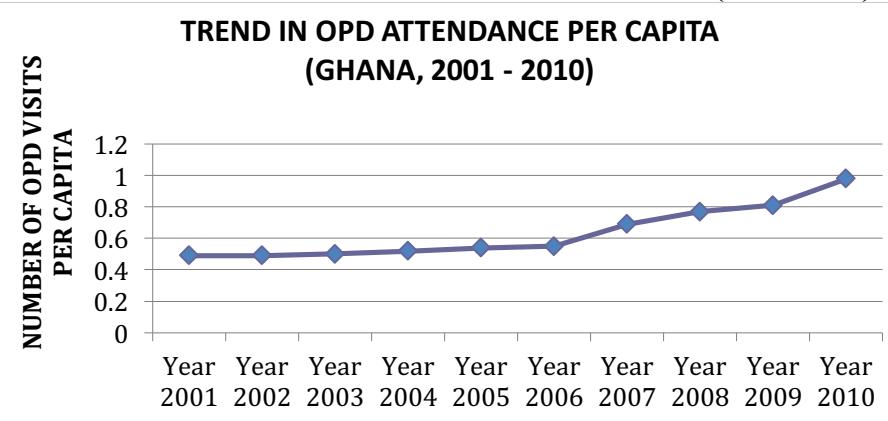


Figure 1

8.2 INFANT MORTALITY RATE-GHANA (1988-2011)

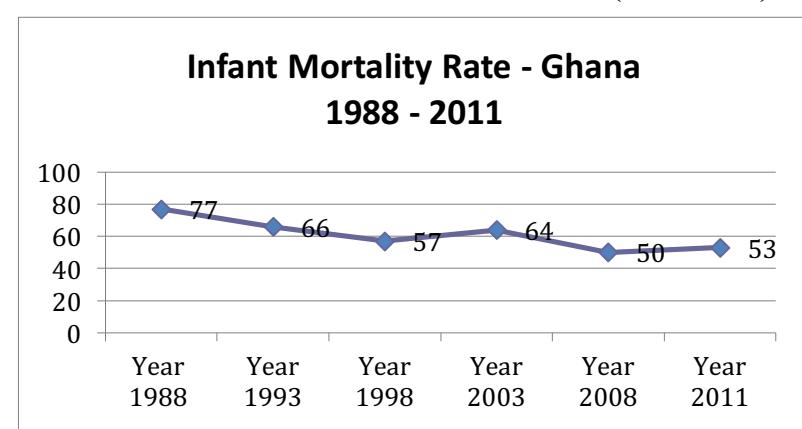


Figure 2

8.3 TOTAL FERTILITY RATE-GHANA (1988-2008)

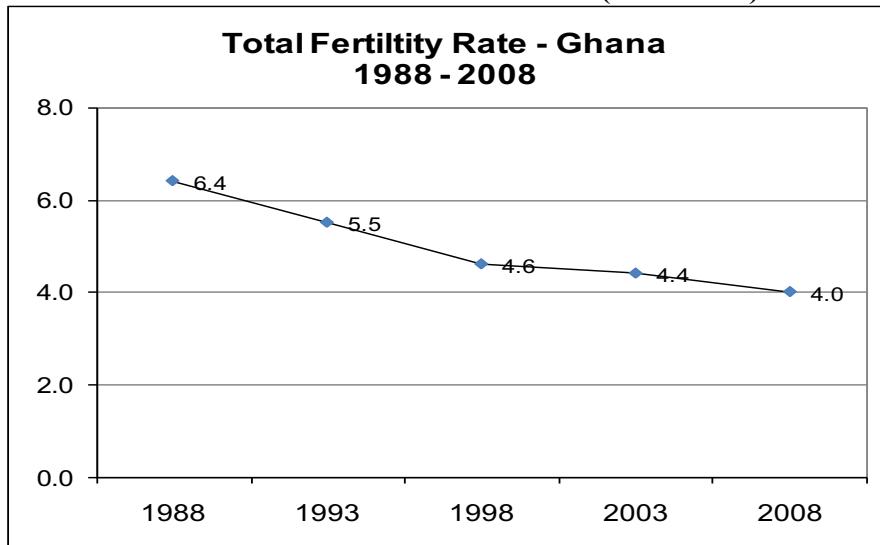


Figure 3

8.4 PREVALENCE OF MALARIA PER 100,000 POPULATION

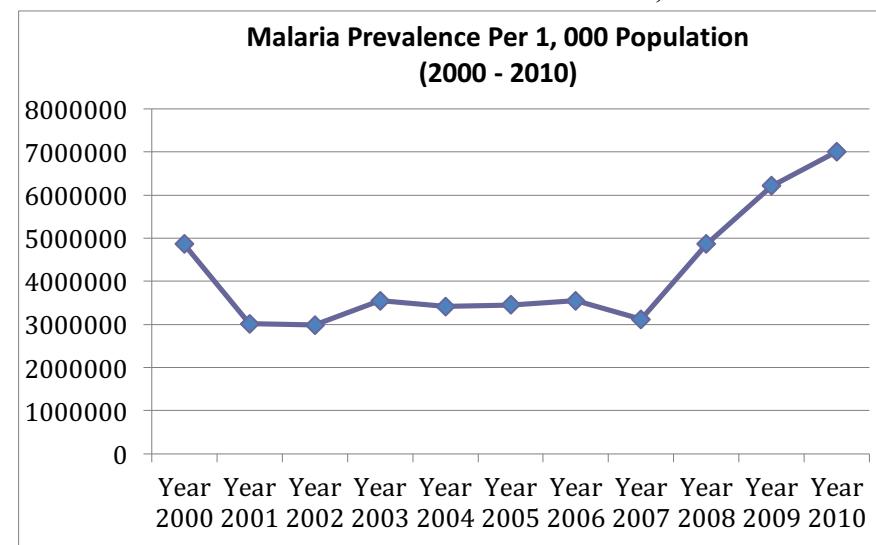


Figure 4

8.5 DOCTOR POPULATION RATIO(2005-2010)

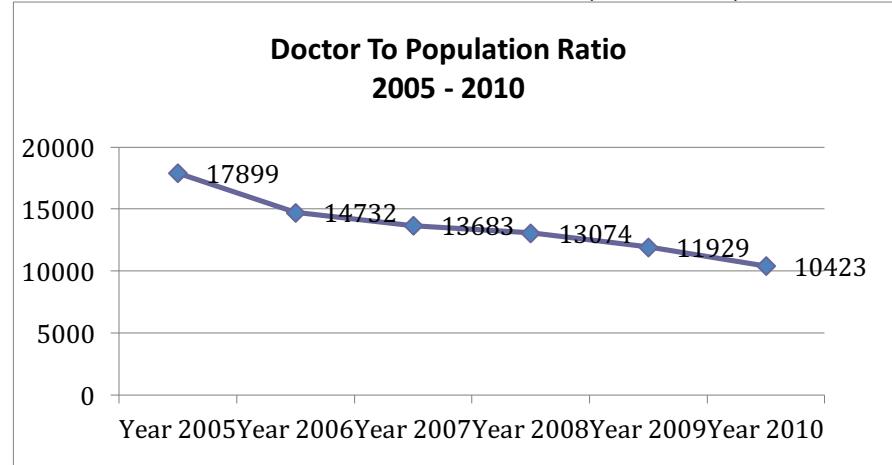


Figure 5

8.7 IMMUNIZATION COVERAGE (2002-2010)

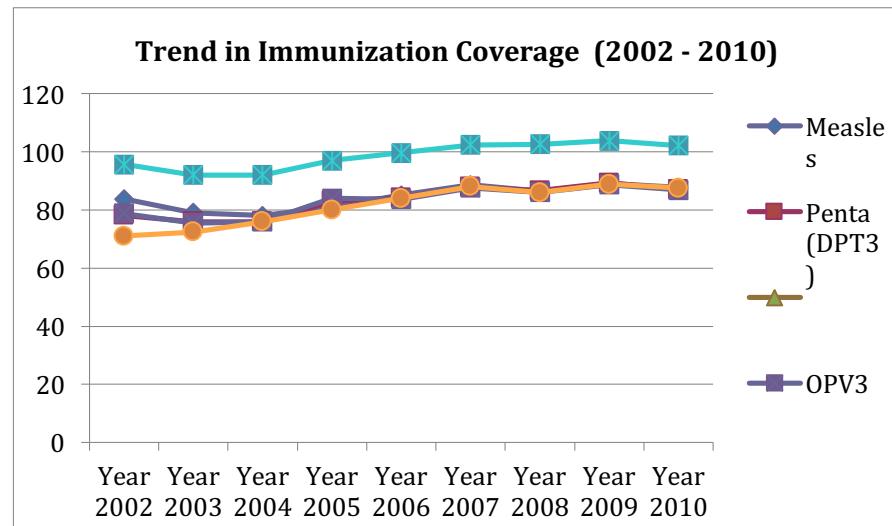


Figure 7

8.6 NURSE POPULATION RATIO(2005-2010)

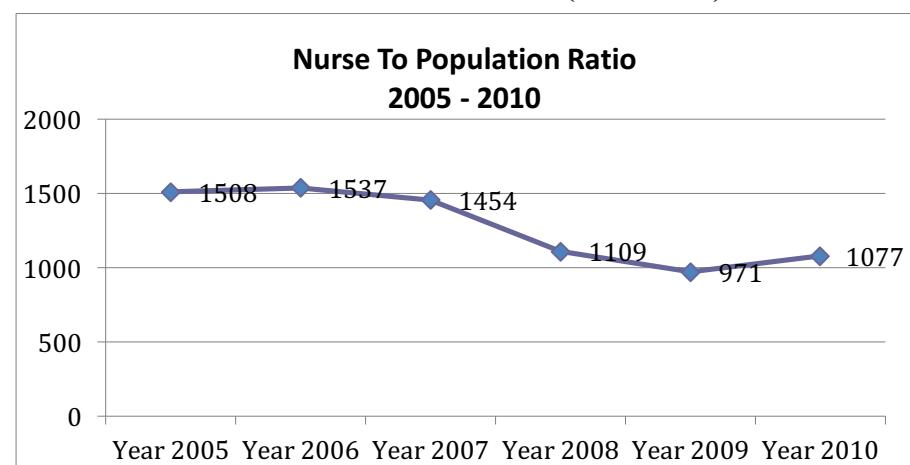


Figure 6

8.8 RCH COVERAGE (2003-2010)

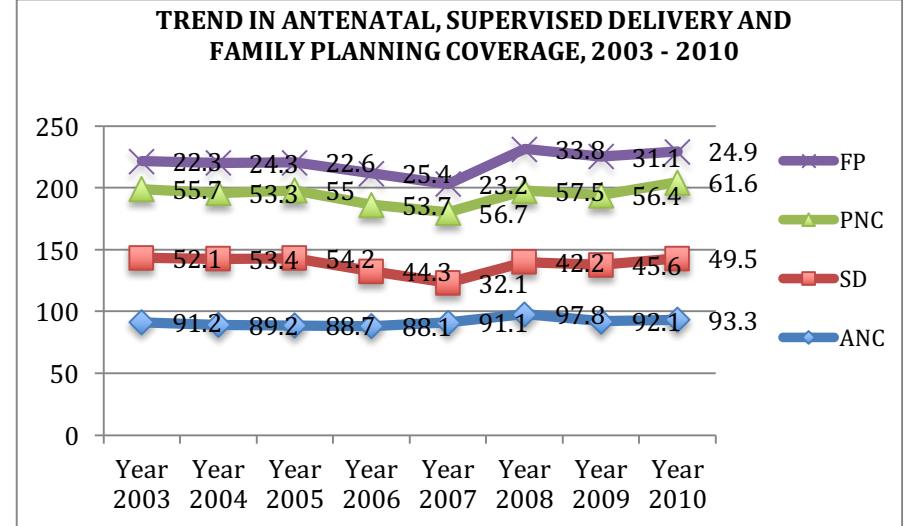


Figure 8

APPENDIX 2

9.0 MAJOR CAUSES OF ADMISSIONS AND DEATHS – 2010

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 | Number | Proportional Morbidity Rate (%) |
|------|-------------------------------|---------|---------------------------------|
| 1 | Malaria | 175,008 | 42.94% |
| 2 | Anaemia | 16,021 | 3.93% |
| 3 | Gastroenteritis | 11,112 | 2.73% |
| 4 | Delivery Single (Spontaneous) | 10,912 | 2.68% |
| 5 | Hypertension | 10,627 | 2.61% |
| 6 | Enteric Fever/Typhoid fever | 5,708 | 1.40% |
| 7 | Road Traffic Accident | 5,450 | 1.34% |
| 8 | Pneumonia | 5,400 | 1.32% |
| 9 | Abortion Incomplete | 5,226 | 1.28% |
| 10 | Hernia Inguinal | 4,567 | 1.12% |
| | All other diseases | 157,529 | 38.65% |
| | Total | 407,560 | 100.00% |

Source: CHIM/PPME-GHS

9.2 Top Ten Causes of Death All Ages - National

| Rank | Cause of Death | Number | Proportional Morbidity Rate (%) |
|------|----------------------------------|--------|---------------------------------|
| 1 | Malaria | 2,561 | 20.30% |
| 2 | Anaemia | 907 | 7.19% |
| 3 | Hypertension | 517 | 4.10% |
| 4 | HIV/AIDS | 477 | 3.78% |
| 5 | Cardiovascular Accident | 426 | 3.38% |
| 6 | Pneumonia | 347 | 2.75% |
| 7 | Septicaemia | 343 | 2.72% |
| 8 | Accident Cerebrovascular (CVA) | 236 | 1.87% |
| 9 | Failure Cardiac Congestive (CCF) | 235 | 1.86% |
| 10 | Gastroenteritis | 206 | 1.63% |
| | All other diseases | 6,360 | 50.42% |
| | Total | 12,615 | 100.00% |

Source: CHIM/PPME-GHS

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

| Rank | Cause of Admission | Number | Proportional Morbidity Rate (%) |
|------|--------------------------------------|--------|---------------------------------|
| 1 | Malaria | 208507 | 83.08% |
| 2 | Anaemia | 8852 | 3.53% |
| 3 | Gastroenteritis | 3998 | 1.59% |
| 4 | Pneumonia | 2195 | 0.87% |
| 5 | Bronchopneumonia | 2042 | 0.81% |
| 6 | Neonatal Sepsis | 1880 | 0.75% |
| 7 | Septicaemia | 1631 | 0.65% |
| 8 | Febrile Convulsion | 1290 | 0.51% |
| 9 | Infection of Respiratory Tract (Rti) | 875 | 0.35% |
| 10 | Enteric Fever/Typhoid fever | 864 | 0.34% |
| | All other diseases | 18846 | 7.51% |
| | Total | 250980 | 100.00% |

Source: CHIM/PPME-GHS

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

| Rank | Cause of Death | Number | Proportional Mortality Rate (%) |
|------|----------------------------|--------|---------------------------------|
| 1 | Malaria | 1066 | 36.77% |
| 2 | Anaemia | 353 | 12.18% |
| 3 | Neonatal Sepsis | 151 | 5.21% |
| 4 | Pre-Maturity | 140 | 4.83% |
| 5 | Septicaemia | 96 | 3.31% |
| 6 | Asphyxia Birth (Neonatal) | 77 | 2.66% |
| 7 | Bronchopneumonia | 74 | 2.55% |
| 8 | Pneumonia | 74 | 2.55% |
| 9 | Malnutrition (Unspecified) | 56 | 1.93% |
| 10 | Asphyxia | 43 | 1.48% |
| | All other diseases | 769 | 26.53% |
| | Total | 2899 | 100.00% |

Source: CHIM/PPME-GHS

10.0 International and National Health Days

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