

THE HEALTH SECTOR IN GHANA

FACTS AND FIGURES

2010

FOREWORD

The Ghana Health Service together with its partners and other health agencies is responsible for the provision of health care delivery to the people of Ghana. This involves the planning, implementation, monitoring and performance assessment of health programmes and services. In order to fulfill this role there is the need for accurate, relevant and timely information on the health status and health services in Ghana.

The production of *The Health Sector in Ghana: Facts and Figures, 2005*; is a handy reference on the performance of the health sector as an information tool for policy makers, health service/programme managers, health partners and stakeholders, researchers and students.

The information are mainly summaries and population-based indicators. Readers are directed to *The Ghana Health Service Annual Report and Ghana Health Service Annual Statistical Report* for detailed presentation of the performance of the health sector. The Ghana Health Service acknowledges the significant role of other agencies such as the Ghana Statistical Services in the provision of health-related statistics to the general public. Some of such statistics have been quoted in this publication and duly acknowledged.

The Centre for Health Information Management of the Policy, Planning, Monitoring and Evaluation division of the Ghana Health Service is the focal unit responsible for the collection, analysis, reporting and presentation of health service information in the Ghana Health Service.

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List of Acronyms

| | |
|------|---|
| BMC | Budget Management Centre |
| CFR | Case Fatality Rate |
| CHAG | Christian Health Association of Ghana |
| CHIM | Centre for Health Information Management |
| CHPS | Community Health Planning and Services |
| EPI | Expanded Programme on Immunization |
| GDHS | Ghana Demographic and Health Survey |
| GHS | Ghana Health Service |
| GSS | Ghana Statistical Services |
| HRD | Human Resource Division |
| NACP | National AIDS Control Programme |
| NHIS | National Health Insurance Scheme |
| PHD | Public Health Division |
| PMR | Proportional Mortality Rate |
| PPME | Policy Planning Monitoring and Evaluation |

1.0 Demography and Vital Statistics

1.1 Population Distribution by Region – 2010

| NATIONAL TARGET POPULATION BY REGION - 2010 | | | | |
|---|-----------------|---------------------|--|------------------------------------|
| | Region | Regional Projection | Target Population less than 1 year and expected pregnancy (4%) | Target Population for WIFA (23.2%) |
| 1 | Ashanti | 5,047,396 | 201,896 | 1,170,996 |
| 2 | Brong Ahafo | 2,323,875 | 92,955 | 539,139 |
| 3 | Central | 1,961,994 | 78,480 | 459,107 |
| 4 | Eastern | 2,420,927 | 96,837 | 559,234 |
| 5 | Greater Accra | 4,469,507 | 178,780 | 1,273,810 |
| 6 | Northern | 2,399,907 | 95,996 | 527,980 |
| 7 | Upper East | 1,026,458 | 41,058 | 236,085 |
| 8 | Upper West | 682,451 | 27,298 | 157,646 |
| 9 | Volta | 1,974,110 | 78,964 | 459,968 |
| 10 | Western | 2,637,134 | 105,485 | 611,815 |
| | National | 24,943,759 | 997,750 | 5,995,779 |

Source: GSS 2000 Census (Projection)

1.2 Population Distribution by District, Ashanti Region – 2010

| ASHANTI REGION TARGET POPULATION BY DISTRICT - 2010 | | | | |
|---|-------------------|---------------------|--|------------------------------------|
| | District | District Projection | Target Population less than 1 year and expected pregnancy (4%) | Target Population for WIFA (23.2%) |
| 1 | Adansi North | 156,948 | 6,278 | 36,412 |
| 2 | Adansi South | 152,696 | 6,108 | 35,426 |
| 3 | Afigya Kwabre | 52,671 | 2,107 | 12,220 |
| 4 | Ahafo Ano North | 100,519 | 4,021 | 23,320 |
| 5 | Ahafo Ano South | 186,688 | 7,468 | 43,312 |
| 6 | Amansie Central | 91,076 | 3,643 | 21,130 |
| 7 | Amansie East | 223,688 | 8,948 | 51,896 |
| 8 | Amansie West | 151,893 | 6,076 | 35,239 |
| 9 | Asante Akim North | 176,692 | 7,068 | 40,993 |
| 10 | Asante Akim South | 135,327 | 5,413 | 31,396 |
| 11 | Atwima Kwanwoma | 74,871 | 2,995 | 17,370 |
| 12 | Atwima Mponua | 127,348 | 5,094 | 29,545 |
| 13 | Atwima Nwabeagya | 204,601 | 8,184 | 47,467 |
| 14 | Bosome Freho | 57,524 | 2,301 | 13,346 |
| 15 | Bosomtwe | 71,610 | 2,864 | 16,614 |
| 16 | Ejisu Juaben | 173,477 | 6,939 | 40,247 |
| 17 | Ejura Sekyedumasi | 113,320 | 4,533 | 26,290 |
| 18 | Kumasi | 1,634,901 | 65,396 | 379,297 |

| | | | | |
|----|----------------------|------------------|----------------|------------------|
| 19 | Kwabre | 230,046 | 9,202 | 53,371 |
| 20 | Mampong Municipal | 103,060 | 4,122 | 23,910 |
| 21 | Obuasi Municipal | 204,109 | 8,164 | 47,353 |
| 22 | Offinso Municipal | 110,664 | 4,427 | 25,674 |
| 23 | Offinso North | 83,070 | 3,323 | 19,272 |
| 24 | Sekyere Afram Plains | 129,355 | 5,174 | 30,010 |
| 25 | Sekyere Central | 97,003 | 3,880 | 22,505 |
| 26 | Sekyere East | 90,532 | 3,621 | 21,003 |
| 27 | Sekyere South | 113,706 | 4,548 | 26,380 |
| | Total | 5,047,396 | 201,896 | 1,170,996 |

Source: GSS 2000 Census (Projection)

1.3 Population Distribution by District, Brong Ahafo Region – 2010

| BRONG AHAFO REGION TARGET POPULATION BY DISTRICT - 2010 | | | | |
|--|-----------------|----------------------------|---|---|
| | District | District Projection | Target Population less than 1 year and expected pregnancy (4%) | Target Population for WIFA (23.2%) |
| 1 | Asunafo North | 126,364 | 5,055 | 29,316 |
| 2 | Asunafo South | 96,404 | 3,856 | 22,366 |
| 3 | Asutifi | 108,148 | 4,326 | 25,090 |
| 4 | Atebubu-Amanten | 105,796 | 4,232 | 24,545 |
| 5 | Berekum | 119,349 | 4,774 | 27,689 |
| 6 | Dormaa | 138,181 | 5,527 | 32,058 |
| 7 | Dormaa East | 54,214 | 2,169 | 12,578 |
| 8 | Jaman North | 89,239 | 3,570 | 20,703 |
| 9 | Jaman South | 100,632 | 4,025 | 23,347 |
| 10 | Kintampo North | 109,516 | 4,381 | 25,408 |
| 11 | Kintampo South | 78,362 | 3,134 | 18,180 |
| 12 | Nkoranza South | 105,358 | 4,214 | 24,443 |
| 13 | Nkroranza North | 59,722 | 2,389 | 13,855 |
| 14 | Pru | 103,281 | 4,131 | 23,961 |
| 15 | Sene | 105,179 | 4,207 | 24,402 |
| 16 | Sunyani | 113,656 | 4,546 | 26,368 |
| 17 | Sunyani West | 115,691 | 4,628 | 26,840 |
| 18 | Tain | 108,794 | 4,352 | 25,240 |
| 19 | Tano North | 80,537 | 3,221 | 18,685 |
| 20 | Tano South | 77,430 | 3,097 | 17,964 |
| 21 | Techiman | 223,503 | 8,940 | 51,853 |
| 22 | Wenchi | 104,521 | 4,181 | 24,249 |
| | Total | 2,323,875 | 92,955 | 539,139 |

Source: GSS 2000 Census (Projection)

1.4 Population Distribution by District, Central Region – 2010

| CENTRAL REGION TARGET POPULATION BY DISTRICT – 2010 | | | | |
|--|---------------------|----------------------------|---|---|
| | District | District Projection | Target Population less than 1 year and expected pregnancy (4%) | Target Population for WIFA (23.2%) |
| 1 | Abura Asebu K. | 110,906 | 4,436 | 25,952 |
| 2 | Agona East | 79,111 | 3,164 | 18,512 |
| 3 | Agona West | 116,562 | 4,662 | 27,276 |
| 4 | Ajumako Enyan E | 113,208 | 4,528 | 26,491 |
| 5 | Asikuma Odoben B. | 110,046 | 4,402 | 25,751 |
| 6 | Assin North | 132,173 | 5,287 | 30,928 |
| 7 | Assin South | 109,666 | 4,387 | 25,662 |
| 8 | Awutu Senya | 154,787 | 6,191 | 36,220 |
| 9 | Cape Coast | 145,388 | 5,816 | 34,021 |
| 10 | Efutu | 54,449 | 2,178 | 12,741 |
| 11 | Gomoa East | 130,456 | 5,218 | 30,527 |
| 12 | Gomoa West | 109,332 | 4,373 | 25,584 |
| 13 | K.E.E. A. | 138,409 | 5,536 | 32,388 |
| 14 | Mfantseman | 188,164 | 7,527 | 44,030 |
| 15 | Twifo Hemang L.D. | 135,843 | 5,434 | 31,787 |
| 16 | Upper Denkyira East | 79,656 | 3,186 | 18,640 |
| 17 | Upper Denkyira West | 53,838 | 2,154 | 12,598 |
| | Total | 1,961,994 | 78,480 | 459,107 |

Source: GSS 2000 Census (Projection)

1.5 Population Distribution by District, Eastern Region – 2010

| EASTERN REGION TARGET POPULATION BY DISTRICT – 2010 | | | | |
|--|-----------------|----------------------------|---|---|
| | District | District Projection | Target Population less than 1 year and expected pregnancy (4%) | Target Population for WIFA (23.2%) |
| 1 | Akwapim North | 120,378 | 4,815 | 27,807 |
| 2 | Akwapim South | 133,698 | 5,348 | 30,884 |
| 3 | Akyemansa | 57,909 | 2,316 | 13,377 |
| 4 | Asuogyaman | 87,244 | 3,490 | 20,153 |
| 5 | Atiwa | 103,903 | 4,156 | 24,001 |
| 6 | Birim Central | 136,025 | 5,441 | 31,422 |
| 7 | Birim North | 83,969 | 3,359 | 19,397 |
| 8 | Birim South | 70,075 | 2,803 | 16,187 |
| 9 | East Akim | 114,836 | 4,593 | 26,527 |
| 10 | Fanteakwa | 99,004 | 3,960 | 22,870 |
| 11 | Kwaebibirem | 205,940 | 8,238 | 47,572 |
| 12 | Kwahu East | 78,043 | 3,122 | 18,028 |
| 13 | Kwahu North | 156,203 | 6,248 | 36,083 |

| | | | | |
|----|-------------------|------------------|---------------|----------------|
| 14 | Kwahu South | 88,573 | 3,543 | 20,460 |
| 15 | Kwahu West | 83,308 | 3,332 | 19,244 |
| 16 | Lower Manya Krobo | 85,091 | 3,404 | 19,656 |
| 17 | New Juaben | 157,168 | 6,287 | 36,306 |
| 18 | Suhum K.C | 191,303 | 7,652 | 44,191 |
| 19 | Upper Manya Krobo | 92,225 | 3,689 | 21,304 |
| 20 | West Akim | 177,155 | 7,086 | 40,923 |
| 21 | Yilo Krobo | 98,877 | 3,955 | 22,841 |
| | Total | 2,420,927 | 96,837 | 559,234 |

Source: GSS 2000 Census (Projection)

1.6 Population Distribution by District, Greater Accra – 2010

| GREATER ACCRA TARGET POPULATION BY DISTRICT - 2010 | | | | |
|---|--------------------|----------------------------|---|---|
| | District | District Projection | Target Population less than 1 year and expected pregnancy (4%) | Target Population for WIFA (23.2%) |
| 1 | Accra Metropolis | 2,199,908 | 87,996 | 626,974 |
| 2 | Adentan Municipal | 147,303 | 5,892 | 41,981 |
| 3 | Ashiaman Municipal | 209,919 | 8,397 | 59,827 |
| 4 | Dangme East | 143,222 | 5,729 | 40,818 |
| 5 | Dangme West | 148,909 | 5,956 | 42,439 |
| 6 | Ga East | 320,573 | 12,823 | 91,363 |
| 7 | Ga South | 310,318 | 12,413 | 88,440 |
| 8 | Ga West | 215,824 | 8,633 | 61,510 |
| 9 | Ledzokuku Krowo | 351,823 | 14,073 | 100,269 |
| 10 | Tema Metropolis | 421,708 | 16,868 | 120,187 |
| | Total | 4,469,507 | 178,780 | 1,273,810 |

Source: GSS 2000 Census (Projection)

1.7 Population Distribution by District, Northern Region – 2010

| NORTHERN REGION TARGET POPULATION BY DISTRICT - 2010 | | | | |
|---|-------------------|----------------------------|---|---|
| | District | District Projection | Target Population less than 1 year and expected pregnancy (4%) | Target Population for WIFA (23.2%) |
| 1 | Bole | 70,387 | 2,815 | 15,485 |
| 2 | Bunkrugu Yunyoo | 112,934 | 4,517 | 24,845 |
| 3 | Central Gonja | 95,493 | 3,820 | 21,009 |
| 4 | Chereponi | 57,952 | 2,318 | 12,750 |
| 5 | East Gonja | 125,436 | 5,017 | 27,596 |
| 6 | East Mamprusi | 117,544 | 4,702 | 25,860 |
| 7 | Gushegu | 107,459 | 4,298 | 23,641 |
| 8 | Karaga | 57,863 | 2,315 | 12,730 |
| 9 | Kpandai | 104,564 | 4,183 | 23,004 |
| 10 | Nanumba North | 122,920 | 4,917 | 27,042 |
| 11 | Nanumba South | 67,245 | 2,690 | 14,794 |
| 12 | Saboba | 65,743 | 2,630 | 14,463 |
| 13 | Saveligu-Nanton | 118,582 | 4,743 | 26,088 |
| 14 | Sawla-Tuna-Kalba | 97,199 | 3,888 | 21,384 |
| 15 | Tamale Metropolis | 387,349 | 15,494 | 85,217 |
| 16 | Tolon-Kumbungu | 175,080 | 7,003 | 38,518 |
| 17 | West Gonja | 88,148 | 3,526 | 19,393 |
| 18 | West Mamprusi | 151,608 | 6,064 | 33,354 |
| 19 | Yendi | 172,010 | 6,880 | 37,842 |
| 20 | Zabzugu-Tatale | 104,391 | 4,176 | 22,966 |
| | Total | 2,399,907 | 95,996 | 527,980 |

Source: GSS 2000 Census (Projection)

1.8 Population Distribution by District, Upper East Region – 2010

| UPPER EAST TARGET POPULATION BY DISTRICT - 2010 | | | | |
|--|-------------------|----------------------------|---|---|
| | District | District Projection | Target Population less than 1 year and expected pregnancy (4%) | Target Population for WIFA (23.2%) |
| 1 | Bawku M | 214,895 | 8,596 | 49,426 |
| 2 | Bawku West | 89,924 | 3,597 | 20,683 |
| 3 | Bolgatanga M | 154,337 | 6,173 | 35,498 |
| 4 | Bongo | 86,889 | 3,476 | 19,985 |
| 5 | Builsa | 84,089 | 3,364 | 19,340 |
| 6 | Garu-Tempane | 128,619 | 5,145 | 29,582 |
| 7 | Kassena-Nankana | 81,141 | 3,246 | 18,662 |
| 8 | Kassena-Nankana W | 85,633 | 3,425 | 19,696 |
| 9 | Talensi-Nabdam | 100,930 | 4,037 | 23,214 |
| | Total | 1,026,458 | 41,058 | 236,085 |

Source: GSS 2000 Census (Projection)

1.9 Population Distribution by District, Upper West Region – 2010

| UPPER WEST TARGET POPULATION BY DISTRICT - 2010 | | | | |
|---|--------------|---------------------|--|------------------------------------|
| | District | District Projection | Target Population less than 1 year and expected pregnancy (4%) | Target Population for WIFA (23.2%) |
| 1 | Jirapa | 64,630 | 2,585 | 14,930 |
| 2 | Lambussie | 49,984 | 1,999 | 11,546 |
| 3 | Lawra | 103,596 | 4,144 | 23,931 |
| 4 | Nadowli | 97,904 | 3,916 | 22,616 |
| 5 | Sissala East | 53,558 | 2,142 | 12,372 |
| 6 | Sissala West | 47,573 | 1,903 | 10,989 |
| 7 | Wa | 118,205 | 4,728 | 27,305 |
| 8 | Wa East | 82,275 | 3,291 | 19,006 |
| 9 | Wa West | 64,727 | 2,589 | 14,952 |
| | Total | 682,451 | 27,298 | 157,646 |

Source: GSS 2000 Census (Projection)

1.10 Population Distribution by District, Volta Region – 2010

| VOLTA REGION TARGET POPULATION BY DISTRICT - 2010 | | | | |
|---|----------------|---------------------|--|------------------------------------|
| | District | District Projection | Target Population less than 1 year and expected pregnancy (4%) | Target Population for WIFA (23.2%) |
| 1 | Adaklu-Anyigbe | 111,025 | 4,441 | 25,869 |
| 2 | Akatsi | 112,836 | 4,513 | 26,291 |
| 3 | Biakoye | 73,604 | 2,944 | 17,150 |
| 4 | Ho | 173,043 | 6,922 | 40,319 |
| 5 | Hohoe | 184,743 | 7,390 | 43,045 |
| 6 | Jasikan | 60,727 | 2,429 | 14,149 |
| 7 | Kadjebi | 62,766 | 2,511 | 14,625 |
| 8 | Keta | 161,342 | 6,454 | 37,593 |
| 9 | Ketu | 102,644 | 4,106 | 23,916 |
| 10 | Ketu North | 183,753 | 7,350 | 42,814 |
| 11 | Kpando | 76,583 | 3,063 | 17,844 |
| 12 | Krachi East | 91,207 | 3,648 | 21,251 |
| 13 | Krachi West | 101,838 | 4,074 | 23,728 |
| 14 | Nkwanta | 93,649 | 3,746 | 21,820 |
| 15 | Nkwanta North | 88,956 | 3,558 | 20,727 |
| 16 | North Tongu | 157,391 | 6,296 | 36,672 |
| 17 | South Dayi | 59,771 | 2,391 | 13,927 |
| 18 | South Tongu | 78,233 | 3,129 | 18,228 |
| | Total | 1,974,110 | 78,964 | 459,968 |

Source: GSS 2000 Census (Projection)

1.11 Population Distribution by District, Western Region – 2010

| WESTERN REGION TARGET POPULATION BY DISTRICT – 2010 | | | | |
|--|---------------------|----------------------------|---|---|
| | District | District Projection | Target Population less than 1 year and expected pregnancy (4%) | Target Population for WIFA (23.2%) |
| 1 | Ahanta West | 130,364 | 5,215 | 30,245 |
| 2 | Aowin Suaman | 163,241 | 6,530 | 37,872 |
| 3 | Axim Municipal | 84,182 | 3,367 | 19,530 |
| 4 | Bia | 171,236 | 6,849 | 39,727 |
| 5 | Bibiani A. Bekwai | 141,485 | 5,659 | 32,825 |
| 6 | Ellembele | 111,587 | 4,463 | 25,888 |
| 7 | Jomoro | 152,573 | 6,103 | 35,397 |
| 8 | Juabeso | 164,520 | 6,581 | 38,169 |
| 9 | Mpohor Wassa East | 167,985 | 6,719 | 38,972 |
| 10 | Prestea-Huni-Valley | 172,181 | 6,887 | 39,946 |
| 11 | Sefwi Wiawso | 110,212 | 4,408 | 25,569 |
| 12 | Sefwi-Akontombra | 93,885 | 3,755 | 21,781 |
| 13 | Sekondi-Takoradi M | 374,326 | 14,973 | 86,844 |
| 14 | Shama | 131,520 | 5,261 | 30,513 |
| 15 | Tarkwa Nsuaem M. | 146,673 | 5,867 | 34,028 |
| 16 | Wassa A menfi East | 120,743 | 4,830 | 28,012 |
| 17 | Wassa Amenfi West | 200,420 | 8,017 | 46,497 |
| | Total | 2,637,134 | 105,485 | 611,815 |

Source: GSS 2000 Census (Projection)

2.0 Vital Statistics

2.1 Health Status Indicators

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

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

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

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

2.4 Infant and Under Five Mortality Rate

| Region | Infant Mortality Rate | | | | | Under Five Mortality Rate | | | | |
|-----------------|-----------------------|-----------|-----------|-----------|-----------|---------------------------|------------|------------|------------|-----------|
| | 1988 | 1993 | 1998 | 2003 | 2008 | 1988 | 1993 | 1998 | 2003 | 2008 |
| Western | 76.9 | 76.3 | 68.0 | 66.0 | 51.0 | 151.2 | 131.8 | 109.7 | 109.0 | 65.0 |
| Central | 138.3 | 71.6 | 83.8 | 50.0 | 73.0 | 208.2 | 128.0 | 142.1 | 90.0 | 108.0 |
| Greater Accra | 57.7 | 58.4 | 41.4 | 45.0 | 36.0 | 103.8 | 100.2 | 62.0 | 75.0 | 50.0 |
| Volta | 73.5 | 77.8 | 53.8 | 75.0 | 37.0 | 132.7 | 116.4 | 98.0 | 113.0 | 50.0 |
| Eastern | 70.1 | 55.9 | 50.2 | 64.0 | 53.0 | 138.1 | 93.2 | 89.1 | 95.0 | 81.0 |
| Ashanti | 69.8 | 65.2 | 41.9 | 80.0 | 54.0 | 144.2 | 97.6 | 78.2 | 116.0 | 80.0 |
| Brong Ahafo | 65.0 | 48.7 | 77.3 | 58.0 | 37.0 | 122.6 | 94.6 | 128.7 | 91.0 | 76.0 |
| Northern | 103.1 | 113.7 | 70.1 | 69.0 | 70.0 | 221.8 | 237.0 | 171.3 | 154.0 | 137.0 |
| Upper East | 103.1 | 105.0 | 81.5 | 33.0 | 46.0 | 221.8 | 180.1 | 155.3 | 79.0 | 78.0 |
| Upper West | 103.1 | 84.5 | 70.6 | 105.0 | 97.0 | 221.8 | 187.7 | 155.6 | 208.0 | 142.0 |
| National | 77 | 66 | 57 | 64 | 50 | 155 | 119 | 108 | 111 | 80 |
| Rural | 86.8 | 82.2 | 67.5 | 70.0 | 56.0 | 162.5 | 149.2 | 122.0 | 118.0 | 90.0 |
| Urban | 66.9 | 54.9 | 42.6 | 55.0 | 49.0 | 131.1 | 89.9 | 76.8 | 93.0 | 75.0 |

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

2.5 Demographic and Socioeconomic Indicators

| | Indicator | Ghana Value | Africa Average | Global Average |
|----|---|-----------------|----------------|----------------|
| 1 | Population density (per sq. km) | 99 | 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 (2009) | 20.7 | 18 | 28 |
| 5 | Proportion of population below 15 years (%) (2007) | 38 | 43 | 28 |
| 6 | Proportion of population above 60 years (%) (2007) | 6 | 5 | 11 |
| 7 | Proportion of population living in urban areas (%) (2007) | 49 | 37 | 49 |
| 8 | Coverage of birth registration (%) (2008) | 62 | NA | NA |
| 9 | Coverage of death registration (%) (2008) | 23 | NA | NA |
| 10 | Adult mortality rate (15 - 60 years) per 1,000 population – male 2007 | 343 | 429 | 217 |
| 11 | Adult mortality rate (15 - 60 years) per 1,000 population – female 2007 | 291 | 374 | 147 |
| 12 | Adult mortality rate (15 - 60 years) per 1,000 population – both sexes 2007 | 317 | 401 | 183 |
| 13 | Life expectancy at birth (<u>male</u>) (2009) | 59 | 51 | 65 |
| 14 | Life expectancy at birth (<u>female</u>) (2009) | 60.7 | 54 | 70 |
| 15 | Life expectancy at birth (<u>both sexes</u>) (2009) | 60 | 52 | 68 |
| 16 | Net primary school enrolment ratio - <u>male</u> (%) (2007) | 73 | 76 | 88 |
| 17 | Net primary school enrolment ratio - <u>female</u> (%) (2007) | 71 | 71 | 84 |
| 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 (%) (2009) | 6.3 | NA | NA |
| 22 | Population living on less than 1 US\$ dollar per day (2005) | 30 | 50.8 | NA |
| | | | | |

NA: Not available

Source: World Health Statistics 2009 – 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 | 117 | 9 th | 48 |
| 2 | Unmet need for family planning (%) | 34.0 | 24.4 | 3 rd | NA |
| 3 | Prevalence of HIV among adults aged 15 years and above per 100,000 population | 1722 | 4735 | 17 th | 644 |
| 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 (%) | 25 | 23 | 18 th | NA |
| 6 | Antiretroviral therapy coverage among people with advanced HIV infection (%) | 15 | 30 | 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 (%) | 22 | 14 | 10 th | NA |
| 9 | Children aged less than 5 years who received any antimalarial treatment for fever (%) | 61 | 36 | 3 rd | NA |
| 10 | Access to improved drinking-water sources (%) | 80 | 59 | 12 th | 86 |
| 11 | Access to improved sanitation (%) | 10 | 33 | 41 st | 60 |
| 12 | Infants exclusively breastfed for the first 6 months of life (2008) | 54.4 | 29.5 | NA | 34.8 |
| 13 | Alcohol consumption among adults aged 15 years and above (liters per person per year) (2003) | 1.57 | 4.09 | NA | 4.36 |
| 14 | Prevalence of tobacco use – <u>male</u> (%) (2005) | 10.2 | 18.1 | NA | 42.4 |
| 15 | Prevalence of tobacco use – <u>female</u> (%) (2005) | 0.8 | 2.9 | NA | 9.6 |
| | | | | | |

NA: Data Not Available

Source: World Health Statistics 2009 - WHO

2.7 Health Expenditure Indicators

| | Indicator | Ghana Value | Africa Average | Global Average |
|---|--|--------------------|-----------------------|-----------------------|
| 1 | Total expenditure on health as % of gross domestic product (2006) | 5.1 | 5.5 | 8.7 |
| 2 | General government expenditure on health as % of total expenditure on health (2006) | 34.2 | 47.1 | 57.6 |
| 3 | Private expenditure on health as % of total expenditure on health (2006) | 65.8 | 52.9 | 42.4 |
| 4 | General government expenditure on health as % of total government expenditure (2006) | 4.4 | 8.7 | 14.3 |
| 5 | Out-of-pocket expenditure on health as % of private expenditure on health (2006) | 77.8 | 49.8 | 49.3 |
| 6 | Per capita total expenditure on health at average exchange rate (US\$) (2006) | 33 | 58 | 716 |
| 7 | Per capita government expenditure on health at average exchange rate (US\$) (2006) | 11 | 27 | 429 |
| | | | | |

Source: World Health Statistics 2009 - WHO

3.0 Health Infrastructure

3.1 Health Facilities by Type and Ownership, 2009

| REGION | TEACHING HOSPITALS | REGIONAL HOSPITALS | PSYCHIA TRIC HOSPITALS | HOSPITALS | | | | | POLY CLINIC | HEALTH CENTRE AND CLINICS | | | | | MATERNITY HOMES | CHPS | GRAND TOTAL |
|--------------------|--------------------|--------------------|------------------------|-----------|-----------|-----------|------------|------------|-------------|---------------------------|----------|-------------|------------|------------|-----------------|------------|-------------|
| | GOVT | GOVT | GOVT | CHAG | ISLAMIC | GOVT | PRIV ATE | QUASI GOVT | GOVT | CHAG | ISLAMIC | GOVT | PRIVATE | QUASI GOVT | PRIVATE | GOVT | |
| ASHANTI | 1 | 0 | 0 | 17 | 3 | 22 | 48 | 2 | 0 | 32 | 2 | 141 | 161 | 9 | 106 | 4 | 548 |
| BRONG AHAFO | 0 | 1 | 0 | 10 | 1 | 8 | 6 | 1 | 1 | 11 | 0 | 149 | 24 | 2 | 46 | 8 | 268 |
| CENTRAL | 0 | 1 | 1 | 4 | 1 | 9 | 7 | 1 | 0 | 9 | 0 | 80 | 75 | 2 | 34 | 43 | 267 |
| EASTERN | 0 | 1 | 0 | 5 | 0 | 12 | 5 | 3 | 0 | 19 | 0 | 166 | 63 | 7 | 47 | 44 | 372 |
| GREATER ACCRA | 1 | 1 | 2 | 3 | 2 | 7 | 79 | 6 | 7 | 5 | 1 | 44 | 232 | 17 | 55 | 4 | 466 |
| NORTHERN | 1 | 1 | 0 | 6 | 0 | 9 | 0 | 2 | 0 | 33 | 0 | 122 | 20 | 3 | 8 | 95 | 300 |
| UPPER EAST | 0 | 1 | 0 | 1 | 0 | 4 | 0 | 0 | 0 | 15 | 0 | 54 | 11 | 1 | 2 | 55 | 144 |
| UPPER WEST | 0 | 1 | 0 | 2 | 2 | 3 | 1 | 0 | 0 | 14 | 3 | 60 | 4 | 0 | 6 | 39 | 135 |
| VOLTA | 0 | 1 | 0 | 8 | 0 | 11 | 7 | 1 | 1 | 9 | 0 | 192 | 23 | 0 | 24 | 19 | 296 |
| WESTERN | 0 | 1 | 0 | 3 | 1 | 11 | 3 | 6 | 2 | 21 | 2 | 98 | 119 | 28 | 61 | 65 | 421 |
| GRAND TOTAL | 3 | 9 | 3 | 59 | 10 | 96 | 156 | 22 | 11 | 168 | 8 | 1106 | 732 | 69 | 389 | 379 | 3217 |

3.2 Number of Hospital Beds by Region and Ownership - 2009

| Region | Government | CHAG | Islamic | Quasi Government | Private | Total | % By Region |
|-----------------------|---------------|--------------|-------------|------------------|--------------|---------------|--------------|
| Ashanti | 1,961 | 1,115 | 144 | 204 | 677 | 4,101 | 18.50 |
| Brong Ahafo | 657 | 1,101 | 68 | 44 | 9 | 1,879 | 8.48 |
| Central | 1,292 | 359 | 32 | 54 | 0 | 1,737 | 7.84 |
| Eastern | 1,505 | 993 | 0 | 177 | 0 | 2,675 | 12.07 |
| Greater Accra | 3,181 | 29 | 0 | 859 | 593 | 4,662 | 21.03 |
| Northern | 905 | 390 | 0 | 0 | 0 | 1,295 | 5.84 |
| Upper East | 522 | 289 | 0 | 0 | 72 | 883 | 3.98 |
| Upper West | 376 | 316 | 10 | 0 | 0 | 702 | 3.17 |
| Volta | 1,240 | 892 | 0 | 47 | 0 | 2,179 | 9.83 |
| Western | 1,191 | 419 | 52 | 363 | 26 | 2,051 | 9.25 |
| Total | 12,830 | 5,903 | 306 | 1,748 | 1,377 | 22,164 | 100.0 |
| % By Ownership | 57.89 | 26.63 | 1.38 | 7.89 | 6.21 | 100.0 | |

Source: CHIM/PPME-GHS

NB: Data for Quasi Government and Private Hospitals are incomplete

3.3 Distribution of Health Professionals by Region – 2008

| Profession | Ashanti | Brong Ahafo | Central | Eastern | Greater Accra | Northern | Upper East | Upper West | Volta | Western | Grand Total |
|----------------------------------|----------------|--------------------|----------------|----------------|----------------------|-----------------|-------------------|-------------------|--------------|----------------|--------------------|
| Medical Officers | 499 | 106 | 76 | 140 | 820 | 38 | 34 | 18 | 72 | 77 | 1880 |
| Dental Surgeons | 7 | 2 | 0 | 3 | 13 | 0 | 0 | 0 | 2 | 4 | 31 |
| Pharmacists | 322 | 92 | 47 | 90 | 304 | 60 | 47 | 33 | 61 | 73 | 1129 |
| Medical Assistants | 85 | 50 | 38 | 47 | 70 | 59 | 34 | 15 | 29 | 37 | 464 |
| Professional Nurses | 1604 | 764 | 740 | 1009 | 2624 | 714 | 459 | 346 | 827 | 688 | 9775 |
| Auxiliary Nurses | 731 | 474 | 644 | 1031 | 1350 | 509 | 403 | 251 | 797 | 667 | 6857 |
| Physiotherapists | 11 | 8 | 2 | 4 | 30 | 3 | 2 | 0 | 5 | 3 | 68 |
| Health Services Administrator | 33 | 13 | 12 | 20 | 31 | 12 | 3 | 7 | 13 | 11 | 155 |
| Health Educators | 10 | 14 | 5 | 0 | 18 | 2 | 1 | 2 | 3 | 2 | 57 |
| Architects & Engineers | 131 | 83 | 85 | 92 | 429 | 50 | 40 | 32 | 138 | 52 | 1132 |
| Accountants/Accounts Officers | 282 | 198 | 119 | 176 | 415 | 121 | 84 | 64 | 194 | 115 | 1768 |
| Dispensing Technician/Assistants | 66 | 42 | 37 | 65 | 84 | 20 | 14 | 10 | 56 | 27 | 421 |
| Estate Officers | 13 | 5 | 5 | 4 | 19 | 7 | 3 | 2 | 3 | 5 | 66 |
| Health Research Officers | 2 | 9 | 1 | 0 | 16 | 0 | 11 | 1 | 1 | 0 | 41 |
| Dental Technologists/Therapists | 4 | 0 | 0 | 0 | 3 | 1 | 0 | 0 | 1 | 0 | 9 |
| Biostatistics Officers | 77 | 53 | 49 | 65 | 128 | 28 | 13 | 9 | 71 | 53 | 546 |
| Catering Officers/Cooks | 83 | 49 | 91 | 64 | 183 | 49 | 32 | 15 | 93 | 72 | 731 |
| Dieticians | 2 | 1 | 1 | 1 | 2 | 0 | 1 | 0 | 1 | 0 | 9 |
| Nutrition Officers | 137 | 55 | 63 | 85 | 366 | 70 | 72 | 39 | 61 | 44 | 992 |
| Technical Officers | 352 | 214 | 146 | 239 | 468 | 126 | 92 | 80 | 233 | 175 | 2125 |
| Administrative Staff | 376 | 236 | 191 | 195 | 504 | 187 | 79 | 92 | 242 | 230 | 2332 |
| Health Planner | 0 | 0 | 2 | 0 | 14 | 0 | 1 | 0 | 0 | 0 | 17 |

| Profession | Ashanti | Brong Ahafo | Central | Eastern | Greater Accra | Northern | Upper East | Upper West | Volta | Western | Grand Total |
|-------------------------|----------------|--------------------|----------------|----------------|----------------------|-----------------|-------------------|-------------------|--------------|----------------|--------------------|
| Other Technical Staff | 167 | 145 | 93 | 140 | 161 | 110 | 47 | 52 | 96 | 78 | 1089 |
| Artisans/Tradesmen | 40 | 28 | 54 | 21 | 63 | 16 | 14 | 14 | 46 | 23 | 319 |
| Security Guard/Watchmen | 170 | 120 | 100 | 85 | 159 | 83 | 86 | 40 | 121 | 92 | 1056 |
| Other Staff | 2425 | 1226 | 1279 | 1450 | 1754 | 780 | 396 | 387 | 1624 | 940 | 12261 |
| Grand Total | 7629 | 3987 | 3880 | 5026 | 10028 | 3045 | 1968 | 1509 | 4790 | 3468 | 45330 |

Source: HRD-GHS

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

3.4 Doctor to Population Ratio

| REGION | 2009 | | 2008 | | 2007 | | 2006 | |
|-----------------|-------------------|-------------------------|-------------------|-------------------------|-------------------|-------------------------|-------------------|-------------------------|
| | Number of Doctors | Doctor Population Ratio | Number of Doctors | Doctor Population Ratio | Number of Doctors | Doctor Population Ratio | Number of Doctors | Doctor Population Ratio |
| Ashanti | 589 | 8,288 | 495 | 9,861 | 428 | 10,667 | 378 | 11,681 |
| Brong Ahafo | 134 | 16,919 | 103 | 22,012 | 96 | 22,479 | 83 | 25,365 |
| Central | 84 | 22,877 | 72 | 26,689 | 63 | 29,260 | 57 | 31,675 |
| Eastern | 148 | 16,132 | 134 | 17,817 | 128 | 18,141 | 104 | 22,019 |
| Greater Accra | 839 | 5,103 | 827 | 5,177 | 755 | 5,202 | 669 | 5,624 |
| Northern | 46 | 50,751 | 33 | 70,744 | 24 | 92,046 | 32 | 67,154 |
| Upper East | 29 | 35,010 | 30 | 33,843 | 30 | 33,111 | 34 | 28,897 |
| Upper West | 14 | 47,932 | 15 | 44,736 | 15 | 43,253 | 14 | 45,568 |
| Volta | 73 | 26,538 | 68 | 28,490 | 66 | 28,269 | 72 | 25,430 |
| Western | 77 | 33,187 | 78 | 32,761 | 71 | 33,794 | 71 | 32,746 |
| National | 2033 | 11,929 | 1855 | 13,074 | 1676 | 13,683 | 1,514 | 14,732 |

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

Source: CHIM/HRD-GHS

3.5 Nurse to Population Ratio

| REGION | 2009 | | 2008 | | 2007 | | 2006 | |
|-----------------|------------------|------------------------|------------------|------------------------|------------------|------------------------|------------------|------------------------|
| | Number of Nurses | Nurse Population Ratio | Number of Nurses | Nurse Population Ratio | Number of Nurses | Nurse Population Ratio | Number of Nurses | Nurse Population Ratio |
| Ashanti | 4,161 | 1,173 | 3533 | 1382 | 2251 | 2024 | 2067 | 2136 |
| Brong Ahafo | 2,283 | 993 | 1940 | 1169 | 1099 | 1099 | 1034 | 2036 |
| Central | 2,369 | 881 | 2104 | 913 | 1249 | 1476 | 1145 | 1577 |
| Eastern | 2,871 | 832 | 2454 | 973 | 1977 | 1173 | 1831 | 1251 |
| Greater Accra | 4,897 | 874 | 4656 | 919 | 4011 | 979 | 3789 | 993 |
| Northern | 1,708 | 1,367 | 1480 | 1577 | 1131 | 1868 | 1011 | 2126 |
| Upper East | 1,262 | 805 | 1051 | 966 | 798 | 1243 | 757 | 1298 |
| Upper West | 895 | 750 | 758 | 885 | 537 | 1266 | 485 | 1315 |
| Volta | 2,421 | 800 | 2132 | 909 | 1474 | 1266 | 1406 | 1302 |
| Western | 2,107 | 1,213 | 1753 | 1458 | 1197 | 1993 | 982 | 2368 |
| National | 24,974 | 971 | 21861 | 1109 | 15724 | 1454 | 14,507 | 1,537 |

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

Source: CHIM/HRD-GHS

3.6 Hospital Bed Utilisation Statistics

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

| Region | Turnover Per Bed | | | | | | | Turnover Interval | | | | | | |
|----------------------|------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------------|------------|------------|------------|------------|------------|------------|
| | 2009 | 2008 | 2007 | 2006 | 2005 | 2004 | 2003 | 2009 | 2008 | 2007 | 2006 | 2005 | 2004 | 2003 |
| Ashanti | 59.7 | 54.7 | 49.9 | 45.4 | 46.2 | 44.6 | 43.5 | 2.1 | 2.5 | 2.5 | 3.7 | 3.1 | 3.2 | 2.9 |
| Brong Ahafo | 59.8 | 56.6 | 61.6 | 49.9 | 47.0 | 53.5 | 46.9 | 2.6 | 2.6 | 2.0 | 3.3 | 3.3 | 2.4 | 3.1 |
| Central | 54.2 | 47.9 | 44.6 | 44.6 | 46.2 | 46.0 | 38.3 | 3.3 | 3.6 | 4.1 | 4.4 | 3.9 | 3.7 | 4.6 |
| Eastern | 49.0 | 46.1 | 39.7 | 38.1 | 38.8 | 37.0 | 39.6 | 3.3 | 3.5 | 4.2 | 4.7 | 4.7 | 5.0 | 4.1 |
| Greater Accra | 47.3 | 41.4 | 39.0 | 35.8 | 39.9 | 33.3 | 34.1 | 1.7 | 2.5 | 2.9 | 3.9 | 2.9 | 3.1 | 3.2 |
| Northern | 98.2 | 81.6 | 66.1 | 51.4 | 71.4 | 69.6 | 67.8 | 1.5 | 1.7 | 2.5 | 3.6 | 2.0 | 2.2 | 2.2 |
| Upper East | 65.0 | 52.8 | 55.2 | 49.1 | 55.6 | 56.2 | 52.0 | 2.8 | 4.0 | 3.6 | 4.4 | 3.6 | 3.3 | 3.6 |
| Upper West | 64.0 | 63.2 | 52.1 | 43.8 | 55.4 | 57.7 | 47.4 | 2.2 | 2.4 | 3.3 | 4.7 | 3.2 | 3.1 | 3.9 |
| Volta | 44.1 | 38.4 | 32.5 | 30.4 | 29.8 | 29.7 | 29.4 | 3.8 | 4.7 | 5.6 | 6.4 | 6.7 | 6.5 | 6.3 |
| Western | 57.0 | 50.6 | 45.7 | 44.3 | 45.0 | 46.0 | 45.1 | 3.1 | 3.5 | 4.1 | 4.2 | 3.9 | 3.7 | 3.9 |
| National | 57.1 | 51.1 | 46.5 | 42.0 | 44.4 | 43.7 | 42.0 | 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 | 2009 | 2008 | 2007 | 2006 | 2005 | 2004 | 2003 |
|-----------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Ashanti | 4,323,256 | 3,427,329 | 3,272,767 | 2,613,618 | 2,711,662 | 2,517,396 | 2,459,629 |
| Brong Ahafo | 2,612,168 | 2,869,659 | 2,193,079 | 1,912,396 | 1,502,660 | 1,350,769 | 1,248,955 |
| Central | 1,370,625 | 1,281,602 | 1,293,818 | 900,881 | 875,734 | 860,430 | 824,193 |
| Eastern | 2,272,375 | 2,279,528 | 2,186,024 | 1,477,204 | 1,278,852 | 1,186,311 | 1,057,649 |
| Greater Accra | 2,179,283 | 2,105,980 | 2,352,191 | 1,785,471 | 1,828,929 | 1,779,887 | 1,621,972 |
| Northern | 1,245,261 | 1,113,699 | 685,085 | 652,054 | 681,667 | 638,455 | 526,678 |
| Upper East | 1,387,025 | 1,018,813 | 689,124 | 538,202 | 561,182 | 565,659 | 561,455 |
| Upper West | 484,513 | 459,309 | 420,775 | 290,449 | 339,923 | 307,946 | 289,252 |
| Volta | 1,335,027 | 1,378,484 | 958,330 | 745,979 | 750,000 | 735,727 | 664,788 |
| Western | 2,538,306 | 2,140,855 | 1,724,606 | 1,324,909 | 1,114,579 | 1,128,674 | 964,450 |
| National | 19,747,839 | 18,075,258 | 15,775,799 | 12,241,163 | 11,650,188 | 11,071,254 | 10,219,021 |

| Region | 2002 | 2001 | 2001 | 1999 | 1998 | 1997 |
|-----------------|------------------|------------------|------------------|------------------|------------------|------------------|
| Ashanti | 2,226,059 | 1,845,741 | 1,592,979 | 1,384,714 | 917,537 | 1,333,164 |
| Brong Ahafo | 1,190,139 | 1,169,682 | 1,104,779 | 947,607 | 923,773 | 970,335 |
| Central | 734,932 | 658,715 | 529,575 | 429,057 | 408,188 | 337,401 |
| Eastern | 984,570 | 962,951 | 923,226 | 780,550 | 741,171 | 800,724 |
| Greater Accra | 1,639,943 | 1,611,198 | 1,305,933 | 1,208,996 | 1,212,595 | 949,700 |
| Northern | 536,880 | 623,417 | 673,790 | 510,210 | 384,543 | 364,480 |
| Upper East | 604,645 | 481,298 | 490,123 | 454,034 | 380,449 | 256,398 |
| Upper West | 294,325 | 286,333 | 280,381 | 242,077 | 155,887 | 155,049 |
| Volta | 610,526 | 636,209 | 624,066 | 584,406 | 536,444 | 571,271 |
| Western | 931,615 | 924,005 | 792,119 | 725,383 | 706,315 | 661,632 |
| National | 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 | 2009 | 2008 | 2007 | 2006 | 2005 | 2004 | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 | 1997 |
|-----------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Ashanti | 0.89 | 0.73 | 0.72 | 0.59 | 0.63 | 0.61 | 0.62 | 0.58 | 0.56 | 0.50 | 0.40 | 0.38 | 0.41 |
| Brong Ahafo | 1.15 | 1.30 | 1.02 | 0.91 | 0.73 | 0.67 | 0.64 | 0.62 | 0.62 | 0.61 | 0.54 | 0.54 | 0.57 |
| Central | 0.71 | 0.68 | 0.70 | 0.50 | 0.50 | 0.50 | 0.49 | 0.44 | 0.41 | 0.34 | 0.28 | 0.27 | 0.23 |
| Eastern | 0.95 | 0.97 | 0.94 | 0.65 | 0.57 | 0.53 | 0.48 | 0.45 | 0.45 | 0.44 | 0.38 | 0.36 | 0.39 |
| Greater Accra | 0.51 | 0.51 | 0.60 | 0.47 | 0.51 | 0.52 | 0.49 | 0.52 | 0.53 | 0.45 | 0.43 | 0.46 | 0.38 |
| Northern | 0.53 | 0.49 | 0.31 | 0.30 | 0.33 | 0.31 | 0.27 | 0.28 | 0.33 | 0.36 | 0.29 | 0.23 | 0.22 |
| Upper East | 1.37 | 1.01 | 0.69 | 0.55 | 0.58 | 0.59 | 0.59 | 0.64 | 0.52 | 0.53 | 0.50 | 0.42 | 0.29 |
| Upper West | 0.72 | 0.70 | 0.65 | 0.46 | 0.54 | 0.50 | 0.48 | 0.49 | 0.49 | 0.49 | 0.43 | 0.28 | 0.28 |
| Volta | 0.69 | 0.73 | 0.51 | 0.41 | 0.42 | 0.42 | 0.38 | 0.36 | 0.39 | 0.39 | 0.36 | 0.34 | 0.37 |
| Western | 0.69 | 0.86 | 0.72 | 0.57 | 0.49 | 0.52 | 0.46 | 0.45 | 0.49 | 0.43 | 0.39 | 0.39 | 0.38 |
| National | 0.81 | 0.77 | 0.69 | 0.55 | 0.54 | 0.52 | 0.50 | 0.49 | 0.49 | 0.45 | 0.40 | 0.38 | 0.37 |

Source: CHIM/PPME

4.3 Number of Inpatient Admissions by Region

| Region | 2009 | 2008 | 2007 | 2006 | 2005 | 2004 | 2003 |
|-----------------|------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Ashanti | 207,089 | 145,316 | 163,357 | 147,223 | 158,436 | 153,891 | 150,209 |
| Brong Ahafo | 111,521 | 104,976 | 83,034 | 81,607 | 77,798 | 67,931 | 67,009 |
| Central | 77,620 | 60,658 | 96,404 | 67,628 | 63,932 | 59,611 | 55,820 |
| Eastern | 127,050 | 121,985 | 99,555 | 91,578 | 100,222 | 82,859 | 99,469 |
| Gr. Accra | 112,314 | 79,974 | 136,823 | 92,890 | 98,561 | 81,874 | 76,606 |
| Northern | 116,818 | 66,146 | 69,185 | 60,547 | 67,063 | 72,368 | 74,733 |
| Upper East | 56,324 | 48,507 | 57,428 | 41,166 | 42,971 | 41,695 | 39,164 |
| Upper West | 44,287 | 42,061 | 36,721 | 29,716 | 36,047 | 32,157 | 30,656 |
| Volta | 93,829 | 83,093 | 70,162 | 69,919 | 70,000 | 68,144 | 66,241 |
| Western | 115,246 | 94,037 | 88,332 | 85,446 | 85,407 | 84,908 | 78,984 |
| National | 1,062,098 | 846,753 | 901,001 | 767,720 | 800,437 | 745,438 | 738,891 |

| Region | 2002 | 2001 | 2000 | 1999 | 1998 | 1997 |
|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Ashanti | 133,495 | 107,029 | 108,441 | 97,654 | 88,465 | 106,127 |
| Brong Ahafo | 62,531 | 65,211 | 64,735 | 45,447 | 46,373 | 63,739 |
| Central | 54,871 | 52,999 | 49,169 | 43,392 | 30,336 | 27,382 |
| Eastern | 90,329 | 87,163 | 71,106 | 65,108 | 58,681 | 68,362 |
| Gr. Accra | 88,299 | 91,009 | 76,956 | 58,205 | 74,475 | 75,683 |
| Northern | 69,801 | 67,323 | 58,856 | 43,561 | 40,279 | 32,545 |
| Upper East | 38,910 | 35,382 | 34,483 | 33,900 | 31,104 | 34,267 |
| Upper West | 31,846 | 28,580 | 24,887 | 19,679 | 13,774 | 15,704 |
| Volta | 63,844 | 57,081 | 56,329 | 51,894 | 51,625 | 48,233 |
| Western | 71,949 | 67,737 | 61,472 | 53,944 | 57,217 | 52,087 |
| National | 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 | 2009 | 2008 | 2007 | 2006 | 2005 | 2004 | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 | 1997 |
|-----------------|--------------|--------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Ashanti | 42.42 | 30.78 | 35.78 | 33.3 | 37.1 | 37.3 | 37.6 | 34.6 | 28.7 | 30.0 | 28.0 | 26.2 | 32.5 |
| Brong Ahafo | 49.19 | 47.46 | 38.48 | 38.8 | 37.9 | 33.9 | 34.3 | 32.8 | 35.0 | 35.7 | 25.7 | 26.8 | 37.8 |
| Central | 40.39 | 32.23 | 52.30 | 37.5 | 36.2 | 34.4 | 32.9 | 33.0 | 32.9 | 31.1 | 27.8 | 19.8 | 18.3 |
| Eastern | 53.21 | 51.81 | 42.87 | 40.0 | 44.4 | 37.2 | 45.3 | 41.7 | 40.8 | 33.7 | 31.3 | 28.6 | 33.8 |
| Greater Accra | 26.23 | 19.50 | 34.83 | 25.0 | 27.3 | 23.7 | 23.2 | 27.9 | 30.0 | 26.4 | 20.9 | 27.9 | 29.6 |
| Northern | 50.04 | 29.13 | 31.32 | 28.2 | 32.1 | 35.6 | 37.8 | 36.3 | 35.3 | 31.7 | 24.6 | 23.4 | 19.4 |
| Upper East | 55.48 | 48.30 | 57.81 | 41.9 | 44.2 | 43.4 | 41.2 | 41.4 | 38.2 | 37.6 | 37.3 | 34.6 | 38.5 |
| Upper West | 66.00 | 63.75 | 56.60 | 46.6 | 57.5 | 52.1 | 50.6 | 53.4 | 49.0 | 43.4 | 34.7 | 24.7 | 28.7 |
| Volta | 48.43 | 43.71 | 37.61 | 38.2 | 39.0 | 38.7 | 38.3 | 37.6 | 34.8 | 34.9 | 32.3 | 32.9 | 31.2 |
| Western | 45.10 | 37.98 | 36.82 | 37.0 | 37.9 | 38.9 | 37.3 | 35.1 | 35.7 | 33.4 | 28.9 | 31.7 | 29.8 |
| National | 43.79 | 35.91 | 39.29 | 34.4 | 36.9 | 35.3 | 36.0 | 35.3 | 34.9 | 32.1 | 27.9 | 27.5 | 30.1 |

Source: CHIM/PPME-GHS

4.5 Case Fatality Rate for Malaria

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

4.5 Top Twenty Causes of Outpatient Morbidity 2006-2008

| | Diseases | 2009 | | 2008 | | 2007 | | 2006 | |
|----|-------------------------------------|-----------------|------------|-------------------|------------|-------------------|------------|-------------------|------------|
| | | Number of Cases | % of Total | 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 | 6.20 |
| 3 | Diarrhoeal Diseases | | | 385,737 | 3.6 | 452,250 | 3.6 | 345,454 | 3.38 |
| 4 | Skin Diseases | | | 422,948 | 4.0 | 539,197 | 4.3 | 341,044 | 3.34 |
| 5 | Hypertension | | | 321,994 | 3.0 | 505,180 | 4.0 | 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 | 1.40 |
| 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 | 1.0 | 91,491 | 0.90 |
| 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 | |

4.6 Top Twenty Causes of Outpatient Morbidity 2002-2005

| | Diseases | 2005 | | 2004 | | 2003 | | 2002 | |
|----|-------------------------------------|------------------|------------|------------------|------------|------------------|------------|------------------|------------|
| | | Number of Cases | % of Total | 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 | 3,140,980 | 43.7 |
| 2 | Upper respiratory tract infection | 581,323 | 6.85 | 549,398 | 7.2 | 519,652 | 6.8 | 532,531 | 7.4 |
| 3 | Diarrhoeal Diseases | 352,384 | 4.15 | 331,998 | 4.3 | 322,404 | 4.2 | 287,816 | 4.0 |
| 4 | Skin Diseases | 352,295 | 4.15 | 314,436 | 4.1 | 325,262 | 4.3 | 308,848 | 4.3 |
| 5 | Hypertension | 249,342 | 2.94 | 206,925 | 2.7 | 212,354 | 2.8 | 195,655 | 2.7 |
| 6 | Home/Occupational Injuries | 192,033 | 2.26 | 177,971 | 2.3 | 187,943 | 2.5 | 140,723 | 2.0 |
| 7 | Acute Eye Infections | 190,293 | 2.24 | 162,182 | 2.1 | 187,234 | 2.4 | 183,735 | 2.6 |
| 8 | Pregnancy and Related Complications | 172,253 | 2.03 | 145,079 | 1.9 | 151,475 | 2.0 | 178,937 | 2.5 |
| 9 | Rheumatic and Joint Diseases | 162,162 | 1.91 | 142,834 | 1.9 | 146,552 | 1.9 | 146,907 | 2.0 |
| 10 | Anaemia | 144,606 | 1.70 | 129,315 | 1.7 | 128,009 | 1.7 | 141,059 | 2.0 |
| 11 | Intestinal Worms | 134,440 | 1.58 | 119,885 | 1.6 | 151,330 | 2.0 | 133,302 | 1.9 |
| 12 | Gynaecological Diseases | 110,199 | 1.30 | 101,786 | 1.3 | 103,251 | 1.4 | 101,862 | 1.4 |
| 13 | Pneumonia | 83,154 | 0.95 | 76,742 | 1.0 | 77,477 | 1.0 | 77,064 | 1.1 |
| 14 | Malaria in Pregnancy | 94,135 | 1.11 | 74,279 | 1.0 | 58,113 | 0.8 | 28,969 | 0.4 |
| 15 | Acute Ear Infection | 80,154 | 0.95 | 74,002 | 1.0 | 71,974 | 0.9 | 73,441 | 1.0 |
| 16 | Typhoid Fever | 76,293 | 0.90 | 65,333 | 0.9 | 53,825 | 0.7 | 31,791 | 0.4 |
| 17 | Road Traffic Injuries | 76,486 | 0.90 | 64,300 | 0.8 | 61,296 | 0.8 | 98,026 | 1.4 |
| 18 | Other Oral Conditions | 52,394 | 0.62 | 52,381 | 0.7 | 49,459 | 0.6 | 33,987 | 0.5 |
| 19 | Dental Caries | 52,615 | 0.62 | 47,867 | 0.6 | 50,262 | 0.7 | 60,284 | 0.8 |
| 20 | Chicken Pox | N/A | N/A | 45,512 | 0.6 | 19,614 | 0.3 | 35,667 | 0.5 |
| | All Other Diseases | 1,167,593 | 13.76 | 1,398,759 | 18.3 | 1,409,845 | 18.4 | 1,262,699 | 17.6 |
| | Total Cases | 8,163,597 | | 7,660,241 | | 7,646,522 | | 7,194,283 | |

Source: CHIM/PPME-GHS

NA: Data Not Available

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

5.0 PUBLIC HEALTH SERVICES

5.1 HIV Prevalence among pregnant women attending ANC clinics

| Region | 2009 | 2008 | 2007 | 2006 | 2005 | 2004 | 2003 |
|-----------------|------------|------------|------------|------------|------------|------------|------------|
| Ashanti | 3.9 | 3.0 | 3.8 | 3.7 | 3.0 | 3.0 | 4.7 |
| Brong Ahafo | 2.9 | 2.6 | 3.3 | 2.8 | 3.3 | 4.5 | 4.0 |
| Central | 3.0 | 2.0 | 2.9 | 2.5 | 2.9 | 3.5 | 5.4 |
| Eastern | 4.2 | 4.5 | 4.2 | 4.9 | 4.7 | 6.5 | 6.1 |
| Greater Accra | 3.2 | 3.0 | 3.4 | 3.4 | 2.1 | 3.9 | 4.3 |
| Northern | 2.0 | 1.1 | 1.7 | 1.3 | 1.2 | 1.8 | 2.1 |
| Upper East | 2.2 | 2.0 | 2.5 | 3.2 | 2.6 | 3.1 | 3.5 |
| Upper West | 3.1 | 1.6 | 3.3 | 2.5 | 2.6 | 1.7 | 2.2 |
| Volta | 2.6 | 1.7 | 2.0 | 3.0 | 1.9 | 3.5 | 2.9 |
| Western | 3.1 | 2.9 | 3.2 | 4.3 | 2.9 | 4.6 | 4.2 |
| National | 2.9 | 2.2 | 2.6 | 3.2 | 2.7 | 3.1 | 3.6 |

Source: NACP/ PHD

5.2 HIV Prevalence among pregnant women by Age Groups

| Age Group | 2009 | 2008 | 2007 | 2006 | 2005 | 2004 | 2003 |
|--------------------|------------|------------|------------|------------|------------|------------|------------|
| 15 – 19 Yrs | 1.9 | 1.2 | 1.6 | 1.4 | 0.8 | 2.0 | 1.9 |
| 20 – 24 Yrs | 2.2 | 2.3 | 2.9 | 2.9 | 2.4 | 2.7 | 3.5 |
| 25 – 29 Yrs | 3.7 | 3.0 | 3.5 | 4.2 | 3.6 | 4.5 | 4.4 |
| 30 – 34 Yrs | 3.4 | 2.8 | 2.9 | 3.7 | 3.2 | 4.4 | 4.7 |
| 35 – 39 Yrs | 3.6 | 2.9 | 3.5 | 2.8 | 2.4 | 3.9 | 4.5 |
| 40 – 44 Yrs | 4.0 | 1.8 | 1.7 | 3.3 | 3.7 | 2.3 | 3.3 |
| 45 – 49 Yrs | 1.8 | 2.6 | 1.3 | 2.5 | 5.0 | 0.0 | 6.0 |
| 15 – 24 Yrs | 2.1 | 1.9 | 2.9 | 2.5 | 1.9 | 2.5 | 3.0 |

Source: NACP/ PHD

5.3 Guinea Worm Cases

| Region | 2009 | 2008 | 2007 | 2006 | 2005 | 2004 | 2003 |
|-----------------|------------|------------|--------------|--------------|-------------|--------------|--------------|
| Ashanti | 2 | 5 | 18 | 53 | 59 | 85 | 45 |
| Brong Ahafo | 2 | 11 | 42 | 204 | 293 | 336 | 492 |
| Central | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Eastern | 1 | 2 | 7 | 8 | 17 | 27 | 37 |
| Greater Accra | 0 | 0 | 2 | 1 | 3 | 3 | 3 |
| Northern | 237 | 479 | 3237 | 3679 | 2981 | 4,979 | 5,999 |
| Upper East | 0 | 1 | 5 | 10 | 7 | 15 | 23 |
| Upper West | 0 | 1 | 23 | 93 | 333 | 222 | 152 |
| Volta | 0 | 1 | 22 | 86 | 286 | 1604 | 1511 |
| Western | 0 | 0 | 2 | 2 | 2 | 4 | 28 |
| National | 242 | 501 | 3,358 | 4,136 | 3981 | 7,275 | 8,290 |

Source: Guinea Worm Eradication Programme

5.4 Tuberculosis Case Detection per 100,000 Population

| Region | 2009 | 2008 | 2007 | 2006 | 2005 | 2004 | 2003 | 2002 | 2001 | 2000 | 1999 |
|-----------------|-----------|-----------|-----------|-----------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|
| Ashanti | 53 | 54 | 51 | 49 | 53 | 53.4 | 56.2 | 47.3 | 52.5 | 50.5 | 40.2 |
| Brong Ahafo | 38 | 30 | 36 | 31 | 28 | 32.7 | 33.6 | 39.2 | 31.5 | 35.2 | 34.2 |
| Central | 80 | 67 | 69 | 61 | 75 | 79.6 | 81.4 | 89.3 | 99.3 | 97.6 | 103.6 |
| Eastern | 80 | 71 | 71 | 72 | 75 | 67.0 | 76.2 | 80.8 | 79.2 | 66.6 | 68.8 |
| Greater Accra | 82 | 80 | 69 | 78 | 67 | 63.7 | 60.5 | 64.5 | 63.3 | 67.1 | 62.9 |
| Northern | 24 | 31 | 25 | 20 | 18 | 24.1 | 19.3 | 25.4 | 23.8 | 21.6 | 22.0 |
| Upper East | 48 | 48 | 51 | 32 | 34 | 38.5 | 36.5 | 35.9 | 34.7 | 39.3 | 40.7 |
| Upper West | 37 | 35 | 29 | 28 | 35 | 34.8 | 31.7 | 52.7 | 67.3 | 37.9 | 27.6 |
| Volta | 80 | 68 | 58 | 61 | 64 | 69.6 | 69.8 | 68.0 | 75.9 | 76.1 | 73.0 |
| Western | 74 | 74 | 73 | 75 | 76 | 66.6 | 78.5 | 78.6 | 85.7 | 71.5 | 81.8 |
| National | 64 | 61 | 57 | 57 | 57 | 56.6 | 58.4 | 59.1 | 61.4 | 58.0 | 56.6 |

Source: National TB Programme (PHD)

5.5 Tuberculosis Cure Rate

| Region | 2008 | 2007 | 2006 | 2005 | 2004 | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 |
|-----------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Ashanti | 81.4 | 82.3 | 80.5 | 74.7 | 71.9 | 69.0 | 59.2 | 45.8 | 32.2 | 50.9 | 57.0 |
| Brong Ahafo | 70.9 | 64.1 | 59.0 | 60.8 | 61.1 | 63.7 | 63.5 | 55.2 | 50.9 | 53.9 | 59.8 |
| Central | 87.1 | 81.8 | 71.4 | 62.9 | 42.4 | 46.3 | 47.5 | 34.4 | 44.7 | 39.7 | 33.2 |
| Eastern | 75.5 | 72.9 | 68.8 | 63.1 | 61.4 | 60.0 | 47.0 | 45.8 | 54.1 | 40.2 | 58.6 |
| Greater Accra | 82.0 | 82.5 | 76.0 | 80.5 | 82.0 | 77.7 | 64.8 | 67.0 | 63.0 | 67.3 | 64.4 |
| Northern | 74.8 | 76.3 | 66.4 | 66.0 | 47.0 | 64.0 | 45.0 | 35.6 | 34.3 | 43.5 | 11.9 |
| Upper East | 72.2 | 75.0 | 73.6 | 66.9 | 67.4 | 59.6 | 56.4 | 60.6 | 28.6 | 59.1 | 58.9 |
| Upper West | 42.1 | 44.5 | 56.3 | 47.4 | 62.5 | 52.0 | 39.4 | 39.2 | 70.5 | 58.7 | 45.8 |
| Volta | 88.0 | 79.8 | 74.0 | 77.3 | 74.4 | 74.7 | 71.8 | 70.1 | 66.0 | 58.2 | 43.2 |
| Western | 73.5 | 74.2 | 59.9 | 57.6 | 55.6 | 38.7 | 41.6 | 27.0 | 47.9 | 47.8 | 17.1 |
| National | 78.8 | 77.5 | 76.1 | 67.6 | 64.0 | 61.0 | 55.1 | 47.9 | 44.9 | 49.3 | 43.8 |

Source: National TB Programme (PHD)

5.6 Tuberculosis Success Rate

| Region | 2008 | 2007 | 2006 | 2005 | 2004 | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 |
|--------------------------------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Ashanti | 90.3 | 90 | 86 | 80 | 79 | 81 | 70 | 62 | 76 | 83 | 77 |
| Komfo Anokye Teaching Hospital | 73.5 | 86 | 70 | 57 | 64 | 71 | 64 | 52 | 63 | 55 | 51 |
| Brong Ahafo | 82.3 | 77 | 70 | 66 | 67 | 69 | 70 | 65 | 66 | 69 | 68 |
| Central | 90.0 | 87 | 75 | 67 | 54 | 53 | 55 | 49 | 47 | 46 | 44 |
| Eastern | 82.0 | 79 | 77 | 72 | 67 | 64 | 62 | 64 | 60 | 57 | 64 |
| Greater Accra | 84.9 | 87 | 85 | 79 | 82 | 79 | 76 | 71 | 71 | 70 | 68 |
| Korle Bu Teaching Hospital | 70.8 | 70 | 69 | 68 | 77 | 71 | 68 | 70 | 60 | 52 | 59 |
| Northern | 87.8 | 83 | 80 | 80 | 74 | 75 | 73 | 65 | 57 | 64 | 63 |
| Upper East | 76.9 | 79 | 78 | 72 | 72 | 70 | 68 | 70 | 64 | 65 | 64 |
| Upper West | 61.8 | 71 | 71 | 65 | 85 | 69 | 62 | 67 | 74 | 53 | 65 |
| Volta | 93.4 | 87 | 83 | 84 | 82 | 81 | 77 | 78 | 73 | 69 | 60 |
| Western | 86.5 | 86 | 74 | 67 | 68 | 61 | 70 | 75 | 74 | 59 | 46 |
| National | 85.6 | 84 | 79 | 73 | 72 | 70 | 68 | 65 | 65 | 62 | 61 |

Source: National TB Programme (PHD)

6.0 Expanded Programme On Immunization

| REGION | 6.1 Measles Immunisation Coverage Rate, 1997 - 2009 | | | | | | | | | | | | |
|-----------------|---|-------------|-------------|-------------|-----------|-----------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|
| | 2009 | 2008 | 2007 | 2006 | 2005 | 2004 | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 | 1997 |
| Ashanti | 87.1 | 80.7 | 77.7 | 73.7 | 79 | 68 | 70 | 77.0 | 83.9 | 68.7 | 57 | 60.8 | 28.6 |
| Brong Ahafo | 93.9 | 96.6 | 102.0 | 99.4 | 89 | 87 | 86 | 87.0 | 91.1 | 102.0 | 68 | 63.1 | 68.8 |
| Central | 98.1 | 94.4 | 94.0 | 89.0 | 85 | 83 | 81 | 83.5 | 80.5 | 79.0 | 62 | 72.9 | 63.5 |
| Eastern | 94.0 | 95.1 | 95.5 | 93.8 | 92 | 86 | 93 | 91.6 | 84.7 | 87.9 | 57 | 61.9 | 25.9 |
| Greater Accra | 74.0 | 67.3 | 69.2 | 65.9 | 67 | 63 | 66 | 75.6 | 70.0 | 65.8 | 60 | 68.5 | 58.1 |
| Northern | 119.7 | 109.2 | 116.4 | 112.4 | 96 | 94 | 92 | 106.4 | 90.0 | 100.6 | 96 | 89.3 | 72.8 |
| Upper East | 105.9 | 93.1 | 102.2 | 95.8 | 85 | 88 | 84 | 93.3 | 77.0 | 95.7 | 73 | 64.4 | 46.4 |
| Upper West | 90.6 | 90.0 | 97.7 | 101.1 | 78 | 92 | 88 | 89.7 | 90.9 | 90.2 | 64 | 74.3 | 72.3 |
| Volta | 78.3 | 78.8 | 78.8 | 71.0 | 69 | 70 | 68 | 65.3 | 71.7 | 68.3 | 49 | 53.1 | 51.5 |
| Western | 85.2 | 87.5 | 92.1 | 90.3 | 80 | 86 | 87 | 86.8 | 92.1 | 89.2 | 68 | 72.6 | 61.4 |
| National | 89.1 | 86.5 | 88.6 | 85.1 | 81 | 78 | 79 | 83.8 | 82.4 | 81.5 | 71.0 | 67.4 | 51.4 |

Source: Expanded Programme on Immunisation

| REGION | 6.2 Penta 3 (DPT3) Immunisation Coverage Rate, 1997 - 2009 | | | | | | | | | | | | |
|-----------------|--|-------------|-------------|-------------|-----------|-----------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|
| | 2009 | 2008 | 2007 | 2006 | 2005 | 2004 | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 | 1997 |
| Ashanti | 83.7 | 76.8 | 72.3 | 71.0 | 73 | 66 | 66 | 70.3 | 74.2 | 68.3 | 65 | 64.8 | 28.3 |
| Brong Ahafo | 95.0 | 97.3 | 100.2 | 96.8 | 91 | 83 | 81 | 82.7 | 86.9 | 97.7 | 78 | 64.9 | 57.4 |
| Central | 96.6 | 92.2 | 92.6 | 88.4 | 88 | 86 | 83 | 82.0 | 81.3 | 90.4 | 80 | 76.2 | 73.9 |
| Eastern | 94.5 | 93.0 | 93.0 | 88.6 | 89 | 79 | 81 | 80.1 | 67.7 | 91.4 | 82 | 64.5 | 33.3 |
| Greater Accra | 72.7 | 68.3 | 67.8 | 65.4 | 66 | 55 | 62 | 71.5 | 64.8 | 65.0 | 68 | 67.3 | 64.0 |
| Northern | 123.0 | 114.5 | 123.7 | 115.2 | 112 | 93 | 85 | 90.2 | 82.3 | 91.2 | 82 | 82.2 | 64.1 |
| Upper East | 105.9 | 94.8 | 101.6 | 92.6 | 97 | 87 | 83 | 90.7 | 77.1 | 99.9 | 75 | 59.8 | 48.0 |
| Upper West | 90.1 | 87.5 | 93.9 | 92.4 | 76 | 90 | 87 | 84.9 | 91.2 | 102.5 | 77 | 79.8 | 73.2 |
| Volta | 82.9 | 83.8 | 83.8 | 77.5 | 75 | 71 | 67 | 64.7 | 72.7 | 68.1 | 58 | 57.5 | 70.2 |
| Western | 88.6 | 89.0 | 93.3 | 91.1 | 85 | 86 | 88 | 85.4 | 85.7 | 84.5 | 81 | 72.8 | 44.4 |
| National | 89.3 | 86.6 | 87.8 | 84.2 | 83 | 76 | 76 | 78.1 | 76.3 | 81.6 | 73.0 | 68.2 | 52.0 |

Source: Expanded Programme on Immunisation

| REGION | 6.3 OPV3 Immunisation Coverage Rate, 1997 - 2008 | | | | | | | | | | | | |
|-----------------|--|-------------|-------------|-------------|-----------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | 2009 | 2008 | 2007 | 2006 | 2005 | 2004 | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 | 1997 |
| Ashanti | 83.61 | 76.7 | 72.3 | 70.6 | 72 | 66 | 68.0 | 70.5 | 76.1 | 68.5 | 68.2 | 64.6 | 28.3 |
| Brong Ahafo | 93.76 | 97.2 | 101.3 | 97.1 | 91 | 82 | 80.2 | 81.2 | 86.2 | 96.1 | 79.4 | 63.6 | 57.4 |
| Central | 93.66 | 90.9 | 92.7 | 88.2 | 102 | 89 | 83.9 | 85.5 | 81.1 | 91.2 | 81.4 | 76.7 | 73.9 |
| Eastern | 94.15 | 92.7 | 93.3 | 88.8 | 91 | 79 | 81.3 | 80.4 | 69.2 | 84.3 | 80.0 | 64.9 | 33.3 |
| Greater Accra | 72.28 | 68.4 | 67.4 | 64.8 | 66 | 56 | 60.5 | 71.8 | 65.4 | 66.4 | 67.2 | 68.2 | 64.0 |
| Northern | 122.13 | 114.2 | 122.5 | 113.3 | 112 | 93 | 84.7 | 92.0 | 74.4 | 90.9 | 75.0 | 83.1 | 64.1 |
| Upper East | 105.35 | 89.2 | 100.8 | 92.6 | 96 | 87 | 82.9 | 91.9 | 74.2 | 100.6 | 73.5 | 63.0 | 48.0 |
| Upper West | 89.27 | 87.4 | 93.8 | 92.3 | 75 | 90 | 86.2 | 85.0 | 92.2 | 103.1 | 82.1 | 79.6 | 73.2 |
| Volta | 83.11 | 83.8 | 83.6 | 78.0 | 76 | 71 | 67.1 | 65.0 | 71.5 | 71.1 | 62.9 | 58.7 | 70.2 |
| Western | 88.00 | 88.4 | 92.4 | 89.6 | 85 | 86 | 87.4 | 87.1 | 87.1 | 83.7 | 79.0 | 75.3 | 44.4 |
| National | 88.69 | 86.1 | 87.6 | 83.7 | 84 | 76 | 75.5 | 78.8 | 75.9 | 81.0 | 74.1 | 68.9 | 52.0 |

Source: Expanded Programme on Immunisation

| REGION | 6.4 BCG Immunisation Coverage Rate, 1997 - 2008 | | | | | | | | | | | | |
|-----------------|---|--------------|--------------|-------------|-----------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | 2009 | 2008 | 2007 | 2006 | 2005 | 2004 | 2003 | 2002 | 2001 | 2000 | 1999 | 1998 | 1997 |
| Ashanti | 101.6 | 95.7 | 90.5 | 87.5 | 86 | 72 | 77.0 | 84.2 | 92.6 | 80.0 | 80.9 | 78.3 | 36.1 |
| Brong Ahafo | 111.1 | 111.6 | 114.5 | 111.6 | 99 | 98 | 96.7 | 94.6 | 94.8 | 101.5 | 86.1 | 71.7 | 72.4 |
| Central | 123.9 | 118.6 | 124.0 | 114.5 | 115 | 111 | 109.0 | 110.9 | 94.9 | 95.6 | 96.3 | 91.0 | 85.8 |
| Eastern | 114.2 | 111.7 | 110.6 | 110.2 | 114 | 104 | 102.3 | 107.1 | 97.1 | 102.3 | 79.8 | 71.3 | 37.6 |
| Greater Accra | 75.6 | 76.4 | 73.7 | 73.6 | 83 | 72 | 79.3 | 83.3 | 72.8 | 72.4 | 78.1 | 69.0 | 77.0 |
| Northern | 139.5 | 131.0 | 130.8 | 128.7 | 117 | 113 | 101.7 | 107.9 | 82.8 | 99.4 | 88.6 | 91.5 | 71.2 |
| Upper East | 123.5 | 107.3 | 112.5 | 110.6 | 96 | 108 | 109.1 | 116.1 | 100.8 | 120.9 | 88.1 | 70.0 | 69.2 |
| Upper West | 104.6 | 105.2 | 109.1 | 110.0 | 88 | 106 | 98.5 | 95.6 | 94.5 | 106.2 | 86.5 | 84.4 | 71.8 |
| Volta | 94.5 | 98.1 | 98.1 | 91.4 | 89 | 88 | 82.3 | 80.5 | 84.6 | 83.6 | 73.5 | 66.1 | 66.5 |
| Western | 100.6 | 103.0 | 107.8 | 103.8 | 98 | 100 | 101.0 | 104.4 | 108.9 | 102.6 | 97.7 | 86.0 | 84.9 |
| National | 103.8 | 102.6 | 102.4 | 99.6 | 97 | 92 | 92.0 | 95.6 | 90.8 | 92.0 | 84.7 | 77.4 | 63.6 |

Source: Expanded Programme on Immunisation

| REGION | 6.5 Tetanus Toxioids Immunisation Coverage Rate, 2001-2008 | | | | | | | | |
|-----------------|--|-------------|-------------|-------------|-----------|-------------|--------------|--------------|-------------|
| | 2009 | 2008 | 2007 | 2006 | 2005 | 2004 | 2003 | 2002 | 2001 |
| Ashanti | 83.1 | 80.2 | 69.0 | 68.3 | 64 | 58.8 | 101.3 | 92.2 | 77.3 |
| Brong Ahafo | 82.2 | 89.8 | 90.9 | 88.9 | 89 | 74.1 | 93.5 | 91.2 | 82.0 |
| Central | 89.6 | 93.2 | 81.9 | 78.7 | 88 | 82.3 | 96.0 | 98.6 | 84.2 |
| Eastern | 85.1 | 80.7 | 67.3 | 68.1 | 66 | 70.4 | 98.3 | 96.9 | 71.3 |
| Greater Accra | 66.8 | 59.6 | 50.3 | 56.8 | 60 | 50.0 | 110.6 | 119.9 | 53.7 |
| Northern | 108.0 | 97.9 | 95.0 | 78.5 | 96 | 86.2 | 108.8 | 98.3 | 70.2 |
| Upper East | 85.5 | 66.2 | 90.4 | 78.3 | 72 | 66.4 | 138.7 | 139.7 | 88.6 |
| Upper West | 71.2 | 71.6 | 67.4 | 52.3 | 43 | 80.9 | 118.6 | 124.0 | 75.6 |
| Volta | 63.9 | 63.7 | 57.0 | 59.7 | 68 | 76.5 | 104.6 | 103.5 | 72.6 |
| Western | 62.6 | 62.7 | 58.8 | 57.1 | 55 | 61.4 | 79.4 | 96.5 | 73.4 |
| National | 78.6 | 76.3 | 70.1 | 68.2 | 68 | 67.4 | 101.3 | 101.4 | 72.9 |

Source: Expanded Programme on Immunisation

| REGION | 6.6 Yellow Fever Immunisation Coverage Rate, 2001-2008 | | | | | | | | |
|-----------------|--|-------------|-------------|-------------|-----------|-----------|-------------|-------------|-------------|
| | 2009 | 2008 | 2007 | 2006 | 2005 | 2004 | 2003 | 2002 | 2001 |
| Ashanti | 86.8 | 80.4 | 76.9 | 72.9 | 74 | 66 | 68.5 | 68.5 | 80.7 |
| Brong Ahafo | 94.0 | 94.8 | 100.9 | 98.4 | 93 | 81 | 72.9 | 71.8 | 86.2 |
| Central | 96.8 | 91.3 | 91.9 | 86.6 | 78 | 81 | 72.9 | 74.7 | 77.0 |
| Eastern | 94.2 | 95.4 | 95.5 | 90.8 | 91 | 83 | 85.7 | 81.7 | 81.3 |
| Greater Accra | 73.2 | 66.8 | 68.3 | 64.4 | 66 | 63 | 60.4 | 63.4 | 81.0 |
| Northern | 118.7 | 107.6 | 115.0 | 110.0 | 101 | 88 | 73.9 | 69.8 | 78.1 |
| Upper East | 107.5 | 84.8 | 101.1 | 92.6 | 88 | 88 | 69.5 | 85.2 | 63.1 |
| Upper West | 89.5 | 88.0 | 97.0 | 96.2 | 84 | 93 | 89.3 | 85.1 | 80.0 |
| Volta | 78.2 | 79.0 | 77.0 | 71.6 | 69 | 70 | 64.8 | 57.7 | 71.9 |
| Western | 84.7 | 93.1 | 96.6 | 93.6 | 78 | 86 | 84.9 | 74.1 | 75.0 |
| National | 88.8 | 86.0 | 88.1 | 84.0 | 80 | 76 | 72.4 | 71.0 | 78.6 |

Source: Expanded Programme on Immunisation

| REGION | 6.7 AFP Non-Polio Rate 2003-2008 | | | | | | |
|-----------------|----------------------------------|-------------|-------------|-------------|------------|------------|------------|
| | 2009 | 2008 | 2007 | 2006 | 2005 | 2004 | 2003 |
| Ashanti | 2.10 | 1.35 | 0.89 | 1.24 | 1.3 | 1.9 | 1.3 |
| Brong Ahafo | 3.70 | 4.22 | 1.44 | 2.11 | 1.7 | 1.9 | 1.4 |
| Central | 4.25 | 2.00 | 3.13 | 1.29 | 1.9 | 1.0 | 1.0 |
| Eastern | 4.10 | 2.70 | 1.30 | 1.79 | 1.6 | 1.1 | 1.8 |
| Greater Accra | 1.06 | 1.06 | 0.50 | 0.69 | 0.7 | 1.0 | 1.6 |
| Northern | 2.50 | 3.40 | 2.11 | 1.33 | 1.6 | 1.9 | 0.9 |
| Upper East | 5.50 | 4.50 | 2.00 | 3.50 | 1.8 | 1.7 | 0.7 |
| Upper West | 4.33 | 3.33 | 3.00 | 2.40 | 2.0 | 2.0 | 2.3 |
| Volta | 2.25 | 1.63 | 1.75 | 2.27 | 2.1 | 1.2 | 2.2 |
| Western | 1.82 | 2.10 | 2.80 | 2.89 | 2.6 | 1.7 | 1.1 |
| National | 2.68 | 2.24 | 1.60 | 1.70 | 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 | | | | | | | |
|-----------------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | 2009 | 2008 | 2007 | 2006 | 2005 | 2004 | 2003 | 2002 | 2009 | 2008 | 2007 | 2006 | 2005 | 2004 | 2003 | 2002 |
| Ashanti | 80.7 | 86.1 | 76.1 | 74.0 | 76.6 | 79.0 | 83.6 | 81.3 | 42.4 | 35.0 | 26.7 | 40.8 | 54.3 | 56.2 | 56.2 | 55.7 |
| Brong Ahafo | 97.9 | 102.1 | 101.8 | 97.4 | 90.0 | 90.0 | 97.1 | 99.7 | 53.7 | 49.8 | 34.5 | 47.4 | 62.0 | 57.8 | 56.0 | 58.2 |
| Central | 109.1 | 115.5 | 108.7 | 103.8 | 103.6 | 107.7 | 102.8 | 103.0 | 52.5 | 56.3 | 22.3 | 74.0 | 77.1 | 76.3 | 67.1 | 66.6 |
| Eastern | 93.4 | 98.2 | 87.2 | 86.0 | 82.0 | 81.4 | 94.6 | 107.8 | 52.1 | 48.0 | 43.1 | 38.7 | 58.4 | 47.2 | 50.6 | 55.0 |
| Greater Accra | 77.4 | 85.2 | 77.2 | 77.2 | 83.1 | 77.7 | 81.0 | 88.9 | 47.9 | 50.3 | 43.1 | 42.2 | 48.6 | 46.2 | 49.4 | 54.6 |
| Northern | 120.8 | 127.7 | 116.8 | 109.0 | 116.6 | 110.4 | 102.7 | 97.2 | 36.1 | 26.0 | 27.7 | 25.1 | 57.5 | 48.2 | 39.2 | 41.3 |
| Upper East | 100.1 | 102.1 | 111.7 | 104.2 | 95.3 | 102.0 | 100.2 | 98.6 | 52.6 | 40.4 | 43.5 | 38.4 | 53.5 | 71.2 | 44.9 | 42.5 |
| Upper West | 88.9 | 93.5 | 96.3 | 90.3 | 86.1 | 94.7 | 88.7 | 87.5 | 36.7 | 40.6 | 32.9 | 28.8 | 66.5 | 71.2 | 67.4 | 67.5 |
| Volta | 88.9 | 93.4 | 87.4 | 87.1 | 84.1 | 86.1 | 86.3 | 89.4 | 39.4 | 37.5 | 33.3 | 35.4 | 42.0 | 39.7 | 49.0 | 40.1 |
| Western | 93.5 | 98.8 | 91.7 | 93.0 | 90.2 | 94.7 | 93.5 | 96.8 | 42.6 | 39.1 | 17.6 | 34.8 | 35.8 | 46.2 | 47.6 | 46.6 |
| National | 92.1 | 97.8 | 91.1 | 88.1 | 88.7 | 89.2 | 91.2 | 93.7 | 45.6 | 42.2 | 32.1 | 44.5 | 54.2 | 53.4 | 52.1 | 52.6 |

Source: RCH/PHD

| REGION | 7.3 POST NATAL CARE | | | | | | | | 7.4 FAMILY PLANNING ACCEPTORS | | | | | | | |
|-----------------|---------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | 2009 | 2008 | 2007 | 2006 | 2005 | 2004 | 2003 | 2002 | 2009 | 2008 | 2007 | 2006 | 2005 | 2004 | 2003 | 2002 |
| Ashanti | 38.4 | 51.6 | 50.6 | 51.9 | 47.1 | 52.8 | 58.1 | 58.6 | 17.5 | 15.7 | 15.2 | 15.3 | 14.1 | 13.2 | 14.0 | 14.2 |
| Brong Ahafo | 53.7 | 57.2 | 57.1 | 53.8 | 57.0 | 55.0 | 54.1 | 54.1 | 43.4 | 36.3 | 40.9 | 42.9 | 41.0 | 47.9 | 34.8 | 34.4 |
| Central | 71.4 | 77.6 | 73.4 | 68.5 | 76.4 | 70.6 | 67.0 | 63.1 | 33.1 | 33.0 | 29.6 | 37.0 | 32.6 | 33.6 | 24.2 | 22.2 |
| Eastern | 67.0 | 61.5 | 61.5 | 60.8 | 62.9 | 67.1 | 63.1 | 59.3 | 32.9 | 33.1 | 33.3 | 35.0 | 24.7 | 25.6 | 32.1 | 25.8 |
| Greater Accra | 51.7 | 48.7 | 48.5 | 44.8 | 47.6 | 40.9 | 47.3 | 51.0 | 32.6 | 63.9 | 16.4 | 20.4 | 17.7 | 18.5 | 25.1 | 28.8 |
| Northern | 84.9 | 80.7 | 76.8 | 70.8 | 73.2 | 62.9 | 62.0 | 51.9 | 28.9 | 26.0 | 20.1 | 17.8 | 19.4 | 16.7 | 14.3 | 14.1 |
| Upper East | 77.8 | 57.3 | 66.9 | 60.7 | 56.9 | 48.4 | 50.1 | 48.2 | 33.0 | 26.2 | 27.4 | 26.7 | 20.7 | 20.2 | 18.7 | 16.5 |
| Upper West | 64.9 | 68.7 | 70.1 | 54.3 | 62.0 | 94.1 | 75.8 | 73.6 | 56.5 | 59.8 | 85.0 | 54.3 | 53.9 | 44.6 | 31.4 | 33.4 |
| Volta | 47.3 | 50.5 | 55.6 | 53.9 | 53.9 | 45.7 | 59.1 | 44.6 | 27.5 | 21.6 | 23.7 | 27.9 | 25.7 | 29.9 | 26.2 | 20.6 |
| Western | 49.5 | 45.6 | 37.6 | 35.5 | 35.5 | 32.8 | 36.8 | 40.6 | 18.9 | 19.6 | 13.9 | 15.2 | 13.8 | 23.2 | 13.8 | 11.4 |
| National | 56.4 | 57.5 | 56.7 | 53.7 | 55.0 | 53.3 | 55.7 | 53.7 | 31.1 | 33.8 | 23.2 | 25.4 | 22.6 | 24.3 | 22.3 | 21.0 |

Source: RCH/PHD

7.5 Institutional Maternal Mortality Ratio

| Region | 2009 | | 2008 | | 2007 | | 2006 | | 2005 | | 2004 | | 2003 | |
|-----------------|-----------------|--------------------------|-----------------|--------------------------|-----------------|--------------------------|-----------------|--------------------------|-----------------|--------------------------|-----------------|--------------------------|-----------------|--------------------------|
| | Maternal Deaths | Maternal Mortality Ratio | Maternal Deaths | Maternal Mortality Ratio | Maternal Deaths | Maternal Mortality Ratio | Maternal Deaths | Maternal Mortality Ratio | Maternal Deaths | Maternal Mortality Ratio | Maternal Deaths | Maternal Mortality Ratio | Maternal Deaths | Maternal Mortality Ratio |
| Ashanti | 177 | 215 | 222 | 252.6 | 179 | 245.9 | 175 | 212.2 | 181 | 195.9 | 161 | 176.4 | 173 | 196.1 |
| Brong Ahafo | 94 | 194 | 81 | 185.3 | 88 | 222.0 | 116 | 225.8 | 75 | 211.4 | 104 | 229.6 | 84 | 196.2 |
| Central | 69 | 129 | 92 | 223.2 | 92 | 266.2 | 85 | 120.6 | 44 | 103.9 | 71 | 134.5 | 71 | 159.3 |
| Eastern | 82 | 136 | 98 | 170.7 | 146 | 265.3 | 118 | 227.3 | 143 | 288.1 | 109 | 267.0 | 113 | 262.6 |
| Greater Accra | 166 | 197 | 167 | 194.3 | 149 | 202.3 | 118 | 123.6 | 125 | 182.4 | 114 | 183.0 | 120 | 187.7 |
| Northern | 96 | 147 | 91 | 175.9 | 113 | 206.9 | 91 | 186.2 | 70 | 176.5 | 66 | 172.0 | 77 | 254.8 |
| Upper East | 30 | 131 | 27 | 152.2 | 29 | 140.7 | 43 | 219.9 | 34 | 172.3 | 46 | 170.9 | 34 | 203.5 |
| Upper West | 41 | 267 | 22 | 120.6 | 30 | 160.9 | 20 | 118.8 | 21 | 122.7 | 19 | 107.7 | 16 | 99.1 |
| Volta | 55 | 146 | 52 | 144.7 | 65 | 200.5 | 65 | 217.4 | 78 | 255.6 | 71 | 261.9 | 84 | 256.2 |
| Western | 79 | 148 | 101 | 269.5 | 104 | 341.0 | 126 | 284.3 | 92 | 244.0 | 63 | 155.4 | 82 | 209.5 |
| National | 889 | 170 | 953 | 199.7 | 996 | 230.2 | 957 | 187.2 | 863 | 196.8 | 824 | 186.0 | 854 | 204.5 |

| Region | 2002 | | 2001 | | 2000 | | 1999 | | 1998 | | 1997----- | |
|-----------------|-----------------|--------------------------|-----------------|--------------------------|-----------------|--------------------------|-----------------|--------------------------|-----------------|--------------------------|-----------------|--------------------------|
| | Maternal Deaths | Maternal Mortality Ratio | Maternal Deaths | Maternal Mortality Ratio | Maternal Deaths | Maternal Mortality Ratio | Maternal Deaths | Maternal Mortality Ratio | Maternal Deaths | Maternal Mortality Ratio | Maternal Deaths | Maternal Mortality Ratio |
| Ashanti | 172 | 203.4 | 184 | 232.1 | 177 | 220.3 | 134 | 232.1 | 140 | 219.8 | 128 | 209.8 |
| Brong Ahafo | 102 | 235.1 | 110 | 273.1 | 62 | 139.5 | 91 | 273.1 | 81 | 213.1 | 89 | 217.6 |
| Central | 86 | 206.5 | 100 | 450.5 | 103 | 446.8 | 106 | 450.5 | 117 | 655.9 | 93 | 493.1 |
| Eastern | 92 | 198.2 | 139 | 292.4 | 108 | 243.4 | 121 | 292.4 | 78 | 202.1 | 101 | 295.3 |
| Greater Accra | 83 | 122.8 | 91 | 150.7 | 63 | 110.7 | 28 | 150.7 | 93 | 204.2 | 49 | 109.1 |
| Northern | 49 | 158.2 | 59 | 197.5 | 60 | 201.0 | 73 | 197.5 | 61 | 294.6 | 39 | 215.7 |
| Upper East | 59 | 378.3 | 52 | 338.9 | 56 | 371.5 | 43 | 338.9 | 45 | 406.1 | 42 | 420.8 |
| Upper West | 17 | 106.7 | 42 | 283.2 | 30 | 195.9 | 22 | 283.2 | 14 | 112.4 | 33 | 332.9 |
| Volta | 91 | 345.6 | 94 | 363.2 | 88 | 361.9 | 97 | 363.2 | 70 | 364.1 | 60 | 289.9 |
| Western | 86 | 231.9 | 83 | 221.4 | 104 | 283.0 | 98 | 221.4 | 78 | 249.8 | 53 | 182.9 |
| National | 837 | 204.4 | 954 | 255.7 | 851 | 229.7 | 813 | 255.7 | 777 | 260.4 | 687 | 239.0 |

Source: CHIM/RCH

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

APPENDIX 1

8.1 TREND IN OPD ATTENDANCE PER CAPITA (1996-2008)

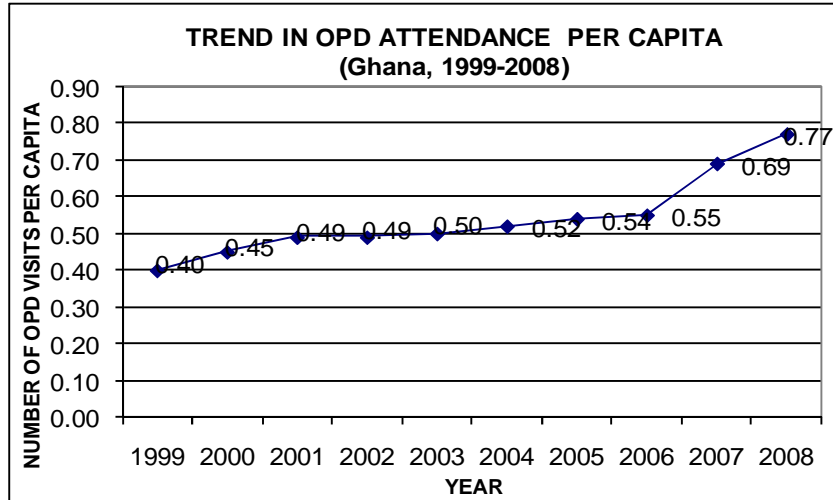


Figure 1

8.2 INFANT MORTALITY RATE-GHANA (1988-2008)

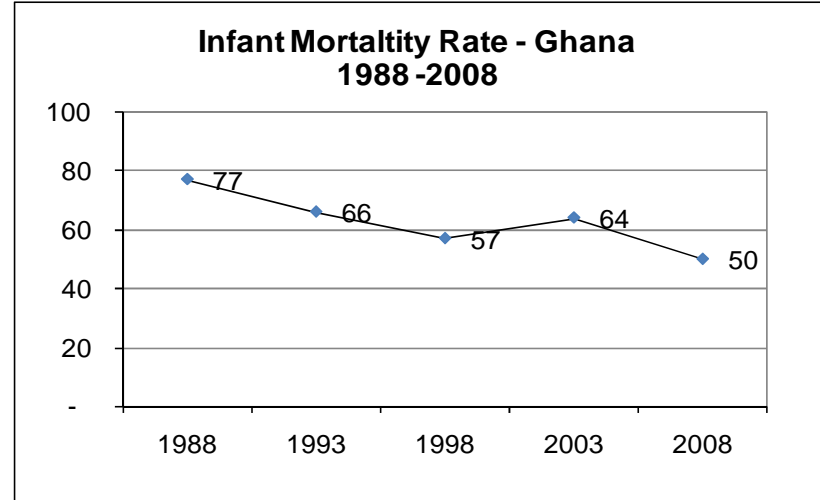


Figure 2

8.3 TOTAL FERTILITY RATE-GHANA (1988-2008)

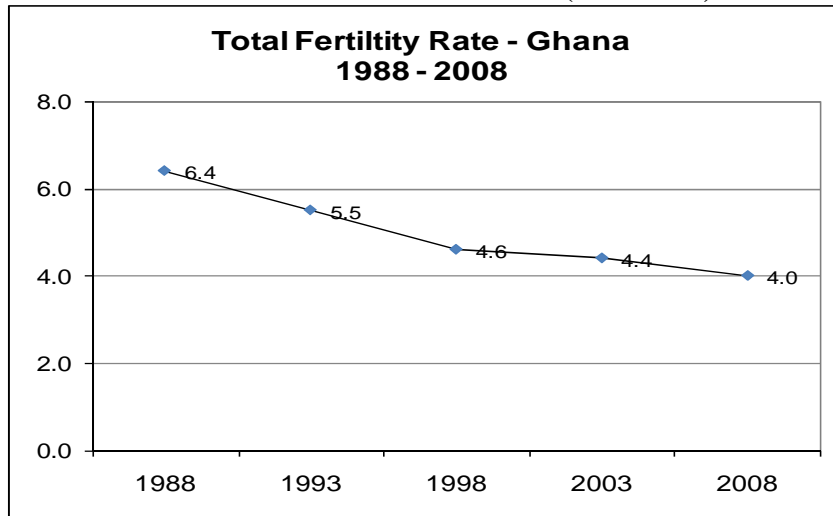


Figure 3

8.4 PREVALENCE OF MALARIA PER 100,000 POPULATION

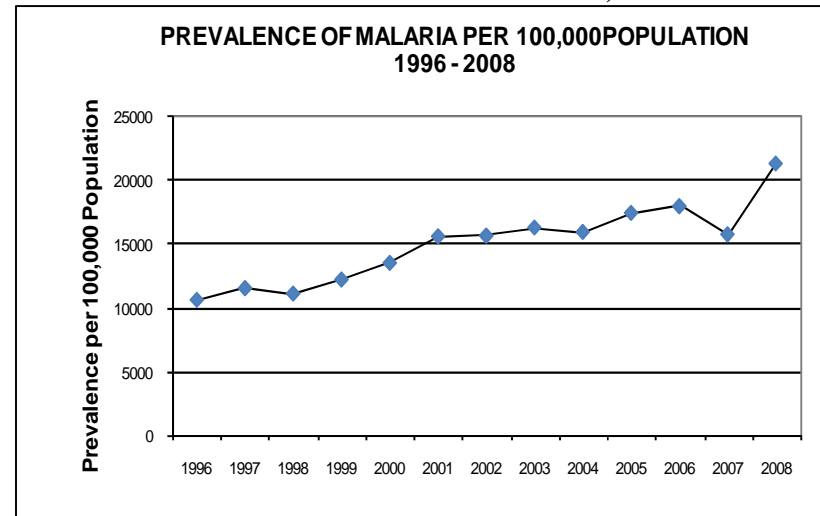


Figure 4

8.5 DOCTOR POPULATION RATIO(2003-2008)

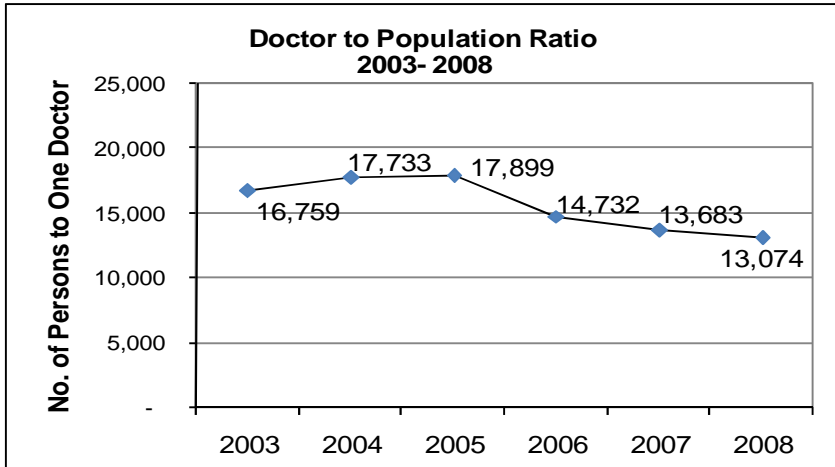


Figure 5

8.6 NURSE POPULATION RATIO(2003-2008)

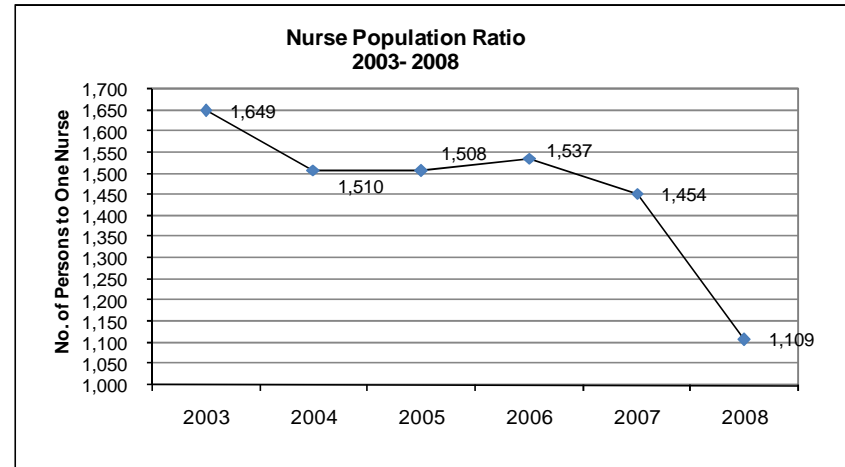


Figure 6

8.7 IMMUNIZATION COVERAGE (2001-2008)

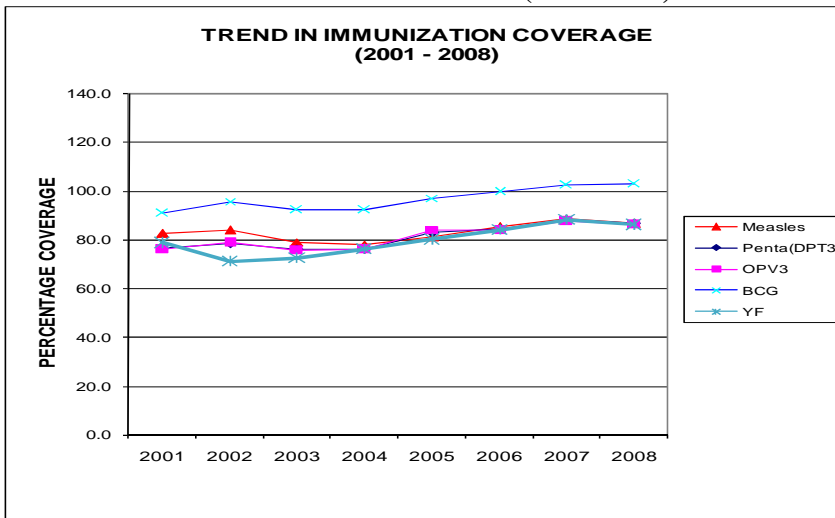


Figure 7

8.8 RCH COVERAGE (2002-2008)

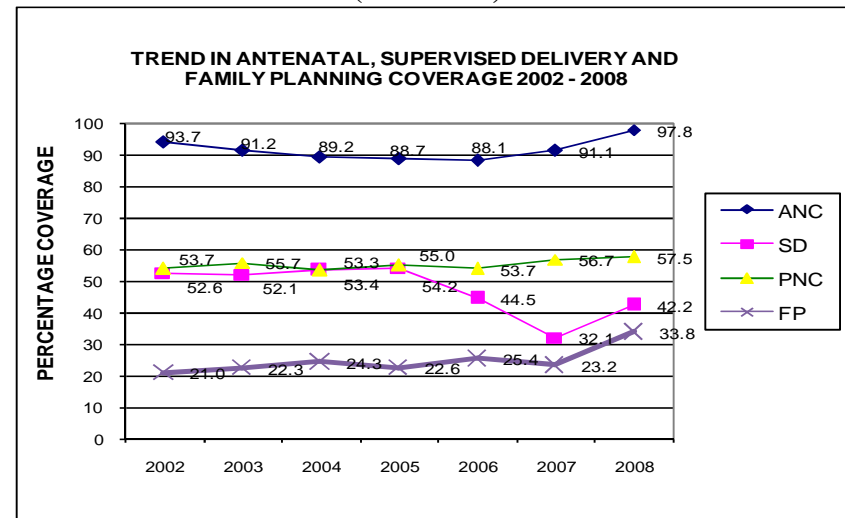


Figure 8

APPENDIX 2

9.0 MAJOR CAUSES OF ADMISSIONS AND DEATHS – 2008

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

9.1 Top Ten Causes of Admission All Ages - National

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

Source: CHIM/PPME-GHS

9.2 Top Ten Causes of Death All Ages - National

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

Source: CHIM/PPME-GHS

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

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

Source: CHIM/PPME-GHS

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

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

Source: CHIM/PPME-GHS

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 |