THE KINTAMPO HDSS, A RESOURCE FOR RESEARCH AND POLICY DIRECTION

KINTAMPO HEALTH RESEARCH CENTRE

INDEPTH AGM 2010
27th SEPTEMBER, 2010,
ACCRA, GHANA
Established in 1995.
One of 3 health research centres within the Health Research Directorate of GHS
Started Kintampo HDSS in 2003 as a core resource platform for health research and generation of information to influence health decisions.
Located in the mid savannah-forest transitional zone of Ghana
It has a well-developed infrastructure for field and clinical epidemiological research
The KHRC Study area, currently covers about 600,000 resident population in 7 contiguous districts
HDSS operations is in 2 Districts- Kintampo North and South
**BACKGROUND**

- Established in 1995. One of 3 health research centres of the Health Research Directorate of GHS
- Established Kintampo HDSS in 2003 and AMAHDSS in 2010 as a core resource platform for health research.
- Located in the mid savannah-forest transitional ecological zone in the Brong Ahafo region
- It has a well-developed infrastructure for field epidemiological and clinical research
- The Study area, currently covers about 345 communities in 9 districts (HDSS in 4 Districts)
THE LOCATION OF KINTAMPO HEALTH AND DEMOGRAPHIC SURVEILLANCE SYSTEM (KHDSS)
Mission
To conduct public health research and develop health research capacity which will contribute to a significant reduction in ill-health and the achievement of the Millennium Development Goals for Africa’s most disadvantaged communities.
Vision

To provide practical needs based research of the highest quality which has a pro-poor and gender equity focus and is used to shape health policy and practice.

To build health research capacity of health and health-related professionals so that they can effectively address the challenges of health in Africa.
VALUES AND GUIDING PRINCIPLES

- Demand driven high quality, equitable and cost effective research and training.
- Quality research, delivered through strategic alliances and partnerships with government, non-governmental and private sector organizations
- Evidence-based
- Firm commitment to continual self-improvement and accountability.
HUMAN RESOURCE

- Staff strength of 760
  - Senior Staff: 114
  - Junior Staff: 653

- Senior staff made up of:
  - Epidemiologists
  - Clinical Research Fellows
  - Social Scientists
  - Public Health Specialists
  - Demographers
  - Biochemists
  - Medical Anthropologists
  - Laboratory Technologists etc
CURRENT RESEARCH PORTFOLIO

- Family Health
- Vaccine Trials
  - Malaria Vaccines (RTS,S)
  - Meningitis Vaccines
- Drug Trials
  - Malaria Drugs (ACT trials)
- Micro nutrients Studies
  - EPI Plus vitamin A studies (EPI+, EPI++)
  - Maternal Mortality Study (Obaapa Trial)
  - Iron Studies (Sprinkles)
  - Zinc Studies
- Mental Health Studies
- Biomass (ARI)
- TB
- HIV/AIDS
Training centre for malaria microscopy

<table>
<thead>
<tr>
<th>Country</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Burkina Faso</td>
<td>5</td>
</tr>
<tr>
<td>Gabon</td>
<td>1</td>
</tr>
<tr>
<td>Gambia</td>
<td>1</td>
</tr>
<tr>
<td>Ghana</td>
<td>27</td>
</tr>
<tr>
<td>Guinea Bissau</td>
<td>1</td>
</tr>
<tr>
<td>Kenya</td>
<td>6</td>
</tr>
<tr>
<td>Malawi</td>
<td>3</td>
</tr>
<tr>
<td>Mozambique</td>
<td>2</td>
</tr>
<tr>
<td>Nigeria</td>
<td>1</td>
</tr>
<tr>
<td>Senegal</td>
<td>4</td>
</tr>
<tr>
<td>Tanzania</td>
<td>10</td>
</tr>
<tr>
<td>USA</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>62</strong></td>
</tr>
</tbody>
</table>

* Special Training for Ghana Health Service Personnel
SUPPORT TO HEALTH FACILITIES AND COMMUNITIES

- MCTA Clinical facilities in 3 health centres
- Support to level A health systems - CHIPS
- Use of KHRC facilities
- Laboratory training for students
- Provision of aggregate data
- Provision of Emergency equipment, blood sampling room, X-ray machine etc.
- Provision of High Dependency Ward
- Support to communities in times of natural disaster
PARTNERS AND COLLABORATORS

- Health facilities in the municipalities and Districts of our fieldwork Areas
- Regional Municipal and District health directorates
- Komfo-Anokye Teaching hospital, Kumasi
- Korle-bu Teaching hospital, Accra
- School of Public Health, Legon
- Noguchi
- Agogo
- SMS-KNUST
PARTNERS AND COLLABORATORS

- INDEPTH network
- AMMREN
- Bill and Melinda Gates Foundation
- London School of Hygiene and Tropical Medicine, UK
- Hospital for sick kids, Toronto
- WHO
- UNICEF
- MVI
- Wellcome Trust
HDSS OPERATIONS

- UPDATES AND TOOLS
- STAFFING
  - FIELD WORKERS 18
  - SUPERVISORS 14
- GIS
- DATA LINKAGE
FERTILITY TRENDS: 2005 TO 2008

Total Fertility Rate by year for Kintampo HDSS, 2005-2008

Year

2005 2006 2007 2008

Total Fertility Rate

0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5

2005 2006 2007 2008
Educational attainment by sex for Kintampo HDSS, 2008

- No education
- Primary
- Middle/JSS
- Secondary+

Males
Females
WAY FORWARD

- Continuous development of local capacity to conduct research
- Develop a strong research culture that recognizes the integral part which research plays in planning and development of services and interventions.
- Developing strategic partnerships with government to ensure translation of research into policy and practice.
- Increase Private Partnership and collaboration in Research
Akwaaba

Visit us at

www.kintampo-hrc.org