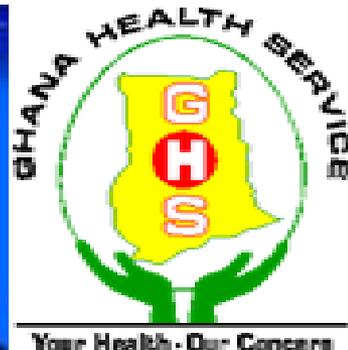
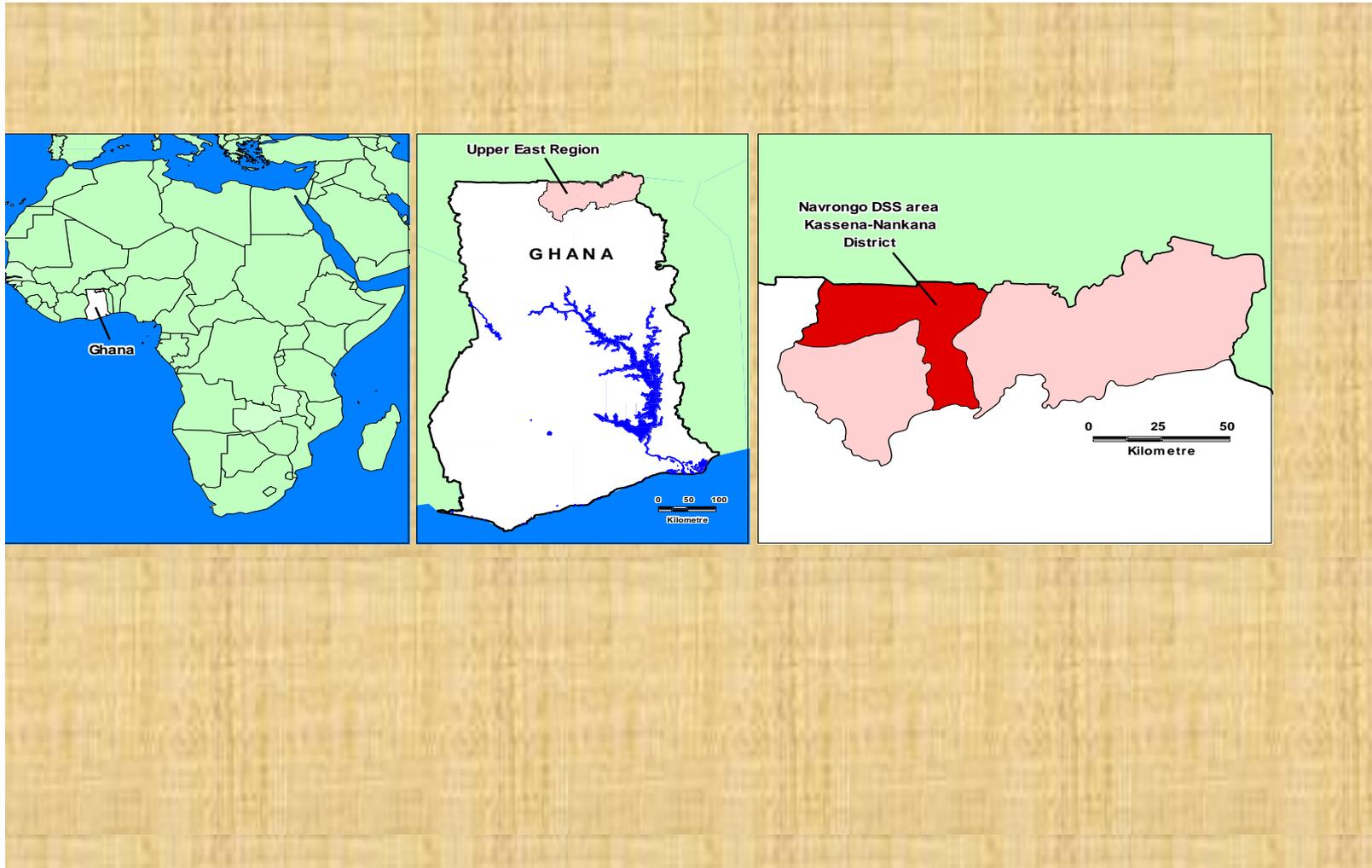


Navrongo Health Research Centre
Ghana Health Service
Ministry of Health

Abraham Oduro MBChB PhD FGCP
Director



Location and Contacts



- Behind War Memorial Hospital, Navrongo
- Post Office Box 114, Navrongo , Ghana
- Email: Director@navrongo-hrc.org
- Website: www.navrongo-hrc.org

Background

History

- Started in 1998 as Field station for the Ghana Vitamin A Supplementation Trial
- Upgraded in 1992 into Health Service Research Centre by Ministry of Health
- In 2009 became part of R & D Division of the Ghana Health Service

Current Affiliations

- Currently is **One** of **Three** such Centres in Ghana
- All under Ghana Health Service, Ministry of Health

Vision statement

- To be a centre of excellence for the conduct of high quality research and service delivery for national and international health policy development .

Mission statement

- To undertake health research and service delivery in major national and international health problems with the aim of informing policy for the improvement of health.



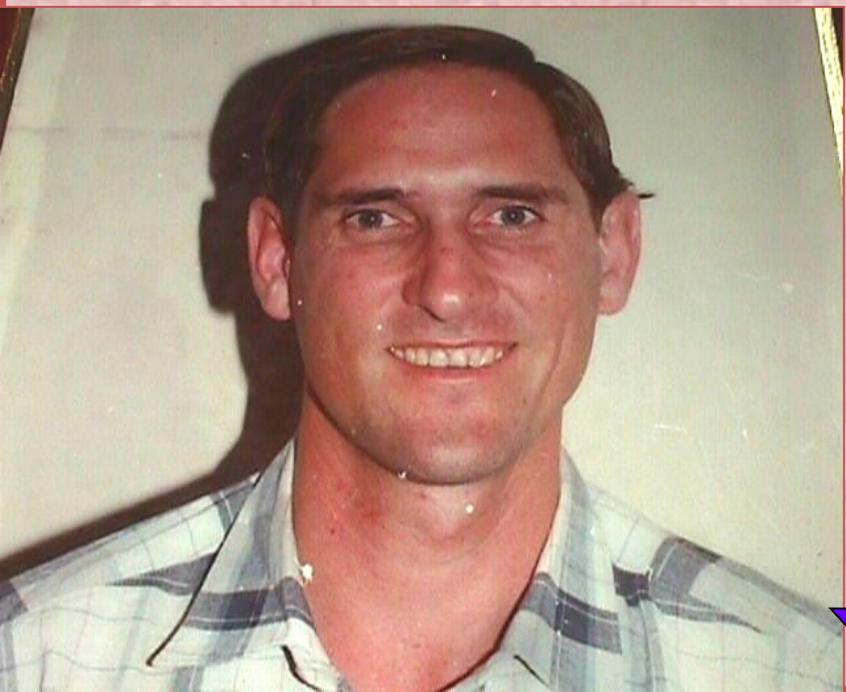
- Ghana Vitamin A Supplementation Trial,
• (Ghana VAST)

1988 - 1992

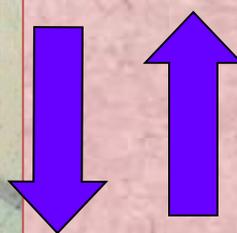
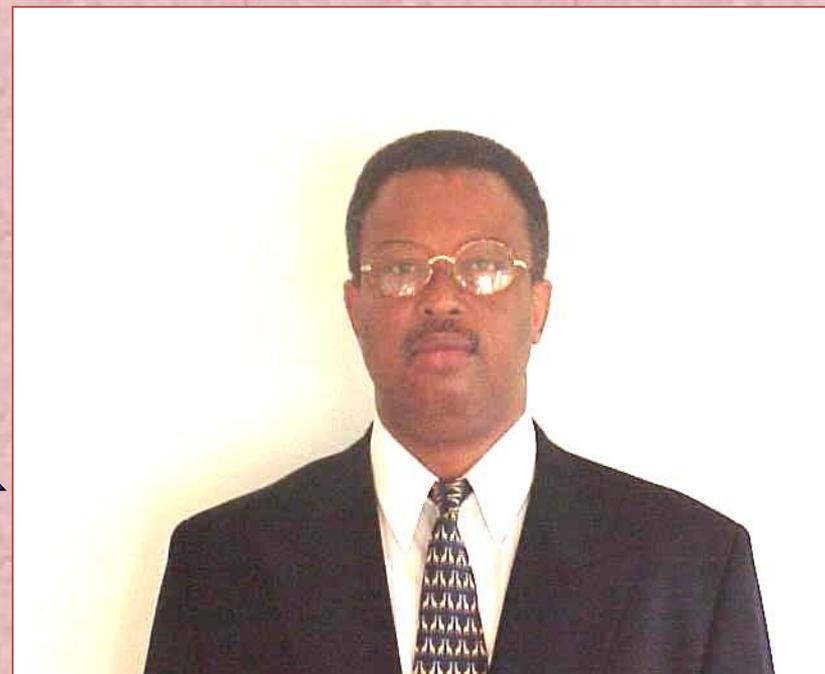


- Navrongo Health Research Centre
• (NHRC-GHS)

Prof David Ross



Prof Fred Binka





Structure and Affiliations

Ministry of Health, Ghana
Ghana Health Service Council
Ghana Health Service

Research & Development Division

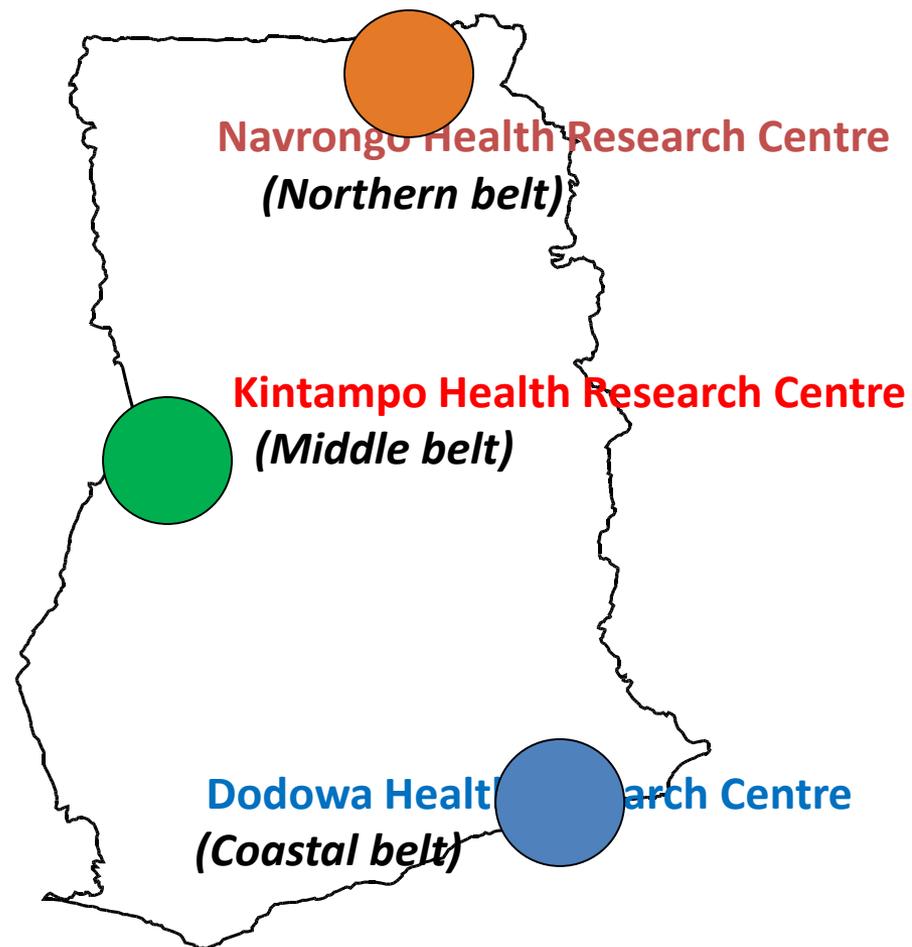
Regional Health Directorates:

UpperWest, UpperEast,

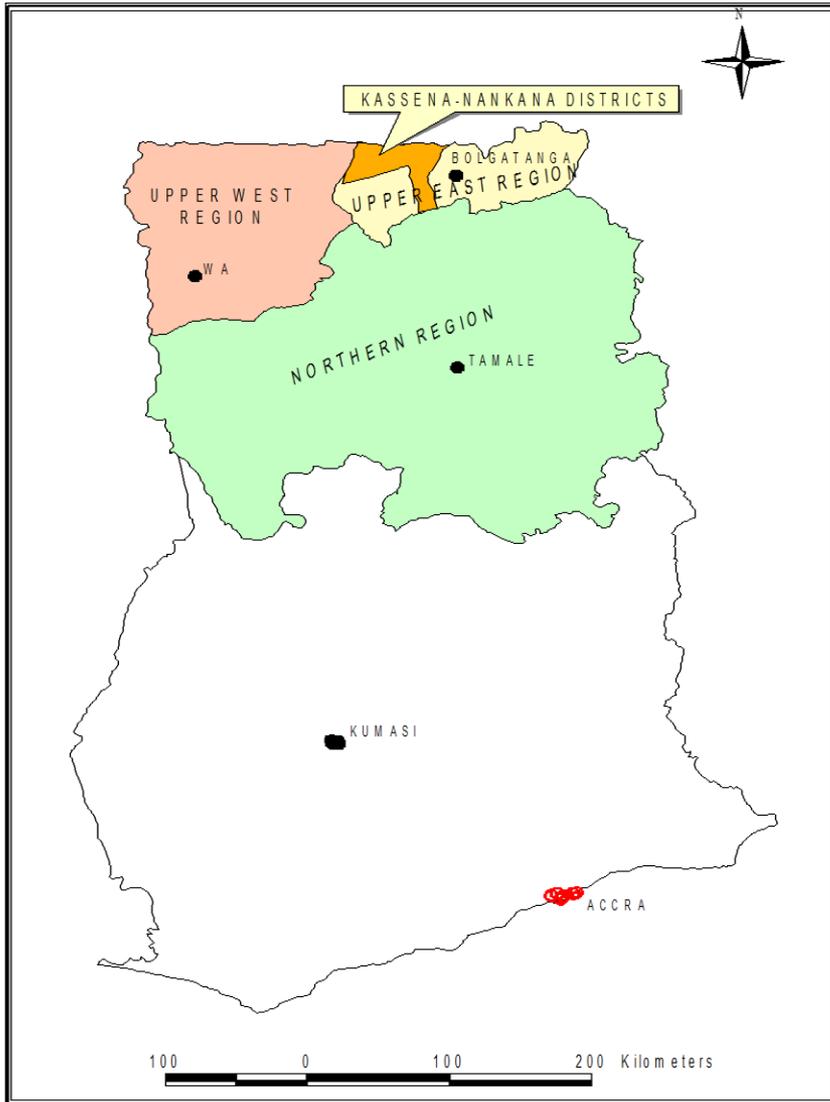
Northern

Navrongo Health Research Centre

FOUNDING MEMEBR OF THE INDEPTH-
Network!

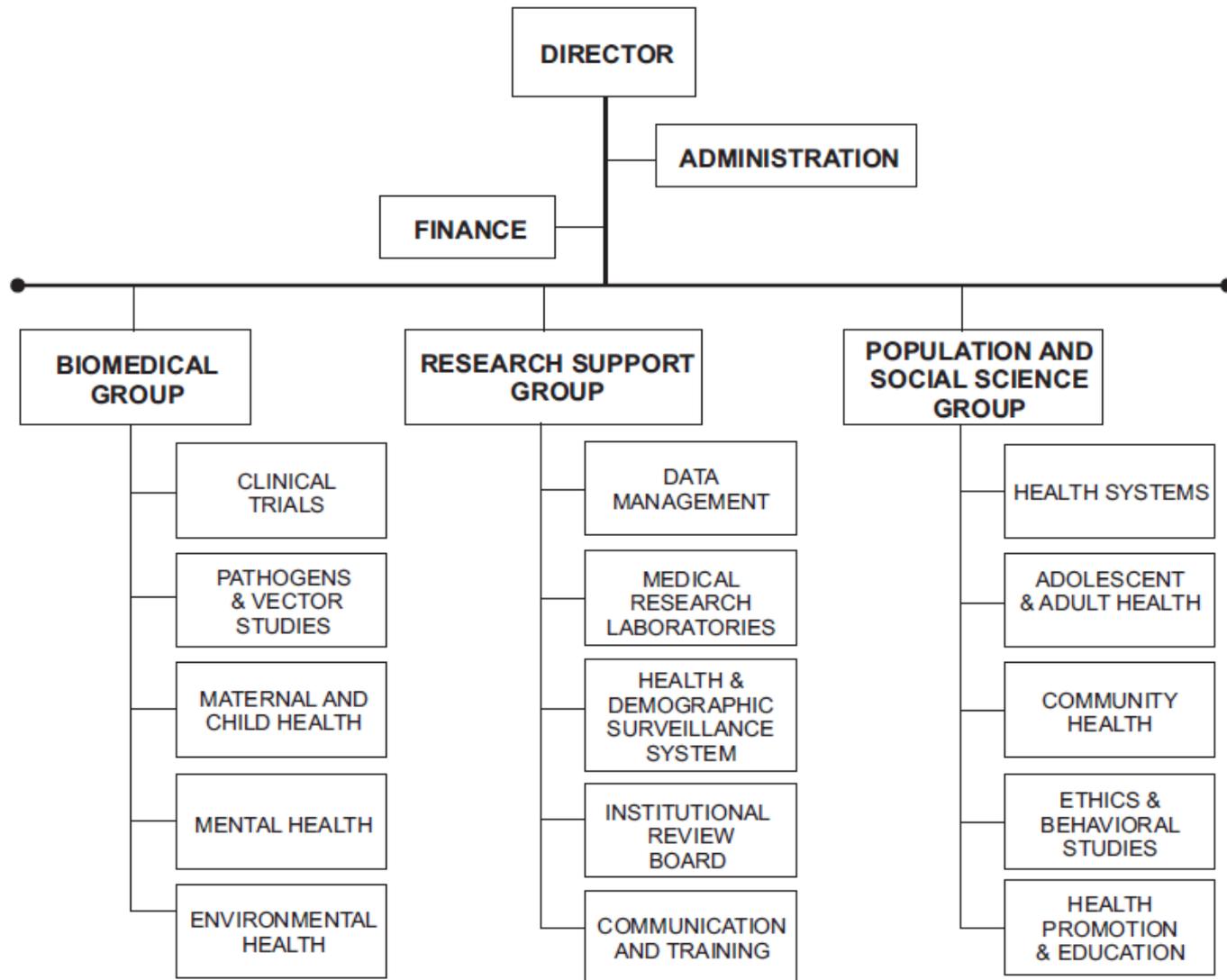


Navrongo Operational Area



- **The 3 regions of the north of Ghana**
 - Northern, Upper East & west
 - About 40% land mass
 - About 30% of the population
- **Demographic Surveillance areas**
 - Two administrative districts:
 - Kassena-Nankana Municipal
 - Kassena-Nankana West
 - Total Population 160,0000

Organogram of the Navrongo centre



Human Resource

Areas of Expertise

- Bioethics
- Biostatistics
- Clinical /Field trials
- Demography/Population Health
- Database Development
- Epidemiology/Public Health
- Entomology/Parasitology
- Genomics /Genetics
- Health Systems/Economics
- Health/Bio-Informatics
- Information Technology
- Pharmacology
- Project Management
- Social Anthropology

Categories of Staff

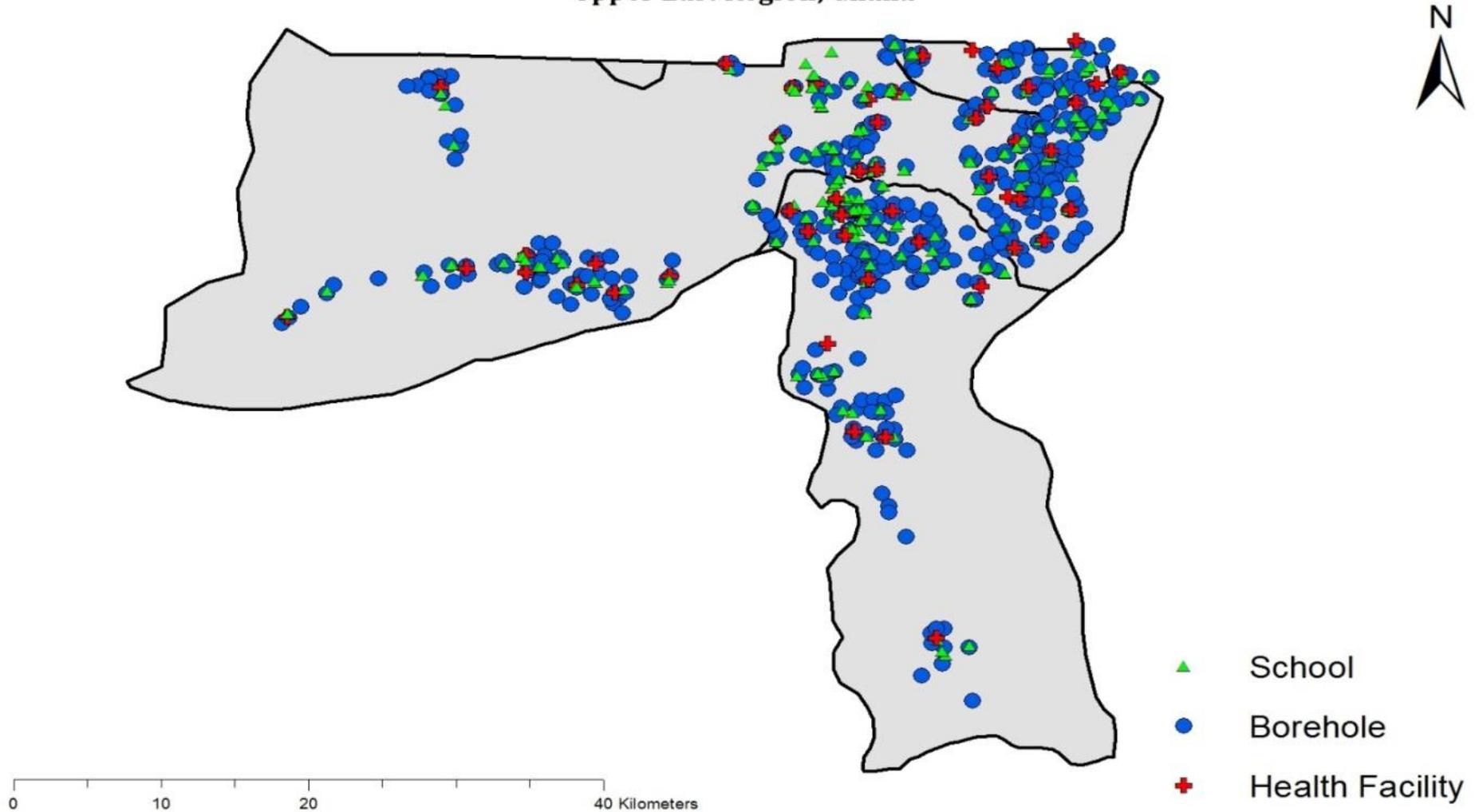
Designations	GHS	Project	Total
Physicians	8	0	8
Fellows	10	2	12
Senior Members	5	12	17
Senior Staff	3	31	34
Admin. staff	2	10	12
Field workers	2	119	121
Total	30	174	204

Health system

- Regional Health Management Team (RHMT)
- District Health Management Team (DHMT)
- District Hospital (1)
- Navrongo Health Research Centre
- Private Clinics (3)
- Health Centres (7)
- Community Health Compounds (27)
- Pharmacy Shops
- Chemical And Drug Shops
- Petty Traders And Peddler
- Herbalist, Faith-based and traditional healers

Map of health facilities, schools & others

Map Displaying Health Facilities, Schools, and Boreholes Located in Kassena-Nankana Municipality and West, Upper East Region, Ghana

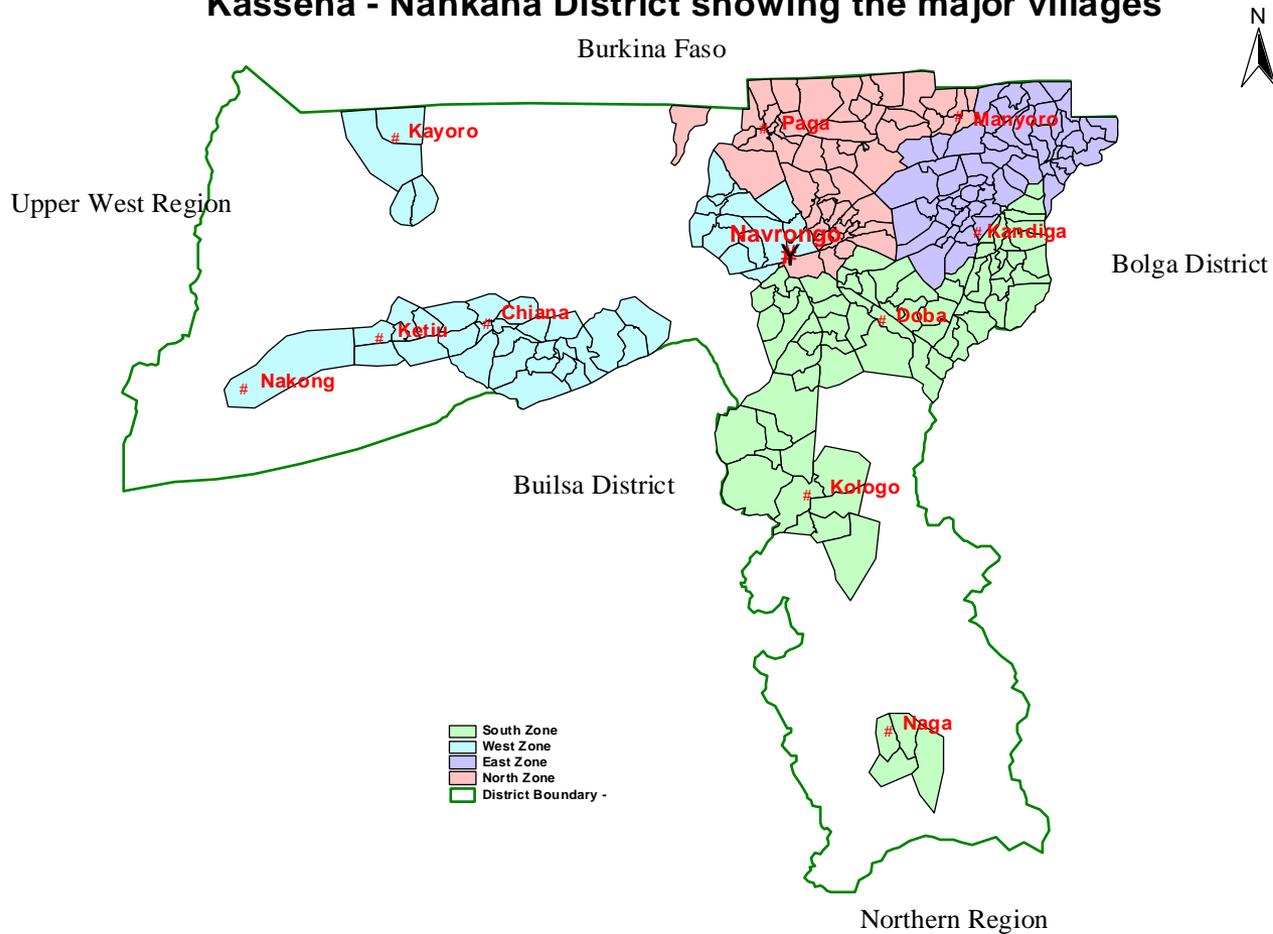


Health & Demographic Surveillance System

- Established in 1992
- Two Kassena Nankana districts (1674 sq.km)
- Population 160 000 People
- Five zones: **East, West, Central, South & North**
- 247 clusters, 18,800 compounds & 33,000 households
- Three rounds in the year - every 4 months
- 77th round of data collection

Clusters and zones of the NHDSS

Kassena - Nankana District showing the major villages



NHDSS Routine data collection

- Births
- Deaths
- Migrations
- Marriages
- Pregnancies
- Vaccinations
- Other interventions
- Community Informant System
- Verbal autopsy techniques
- Geographic information system

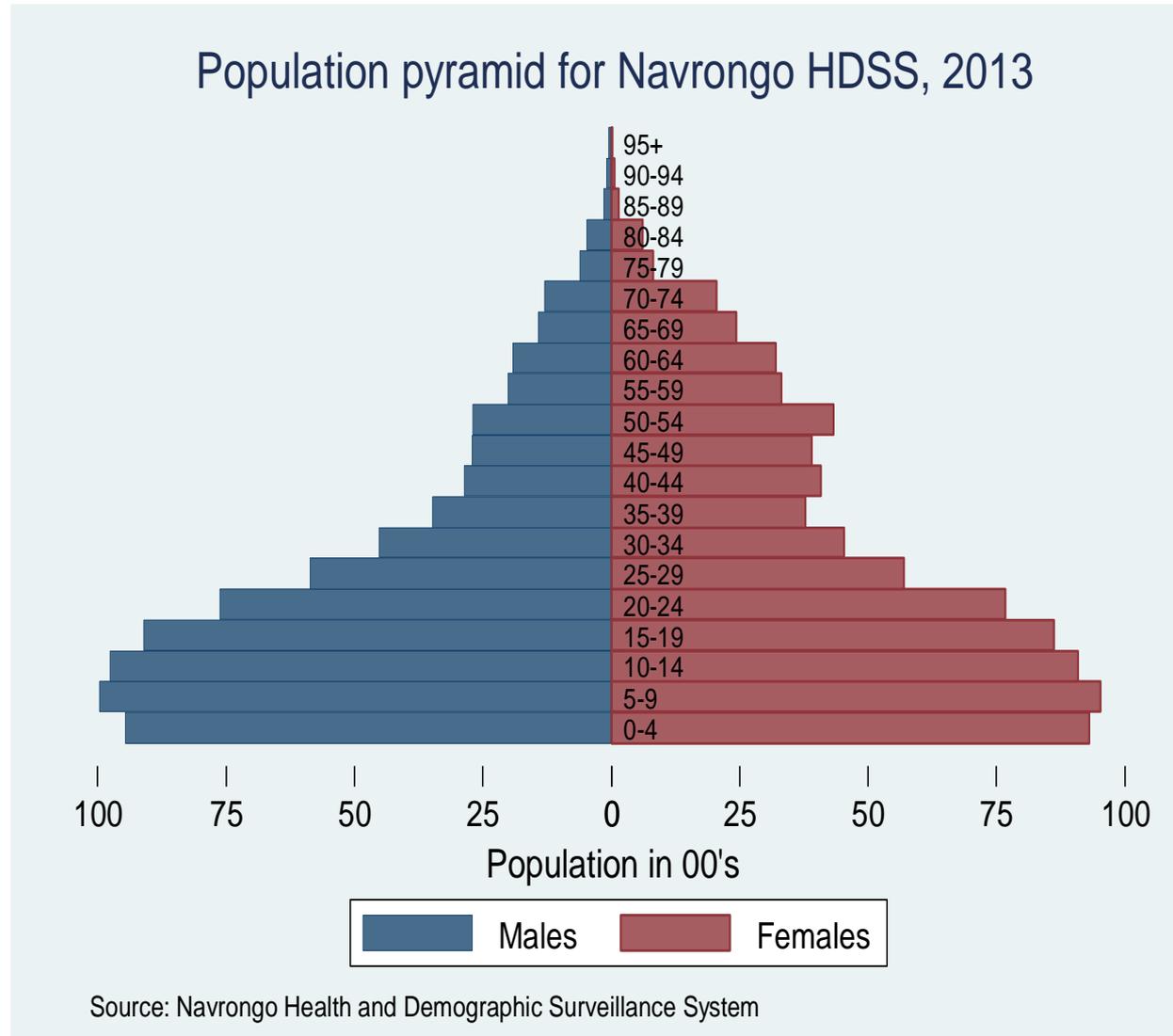
Other regular data collection

Every two years data collection

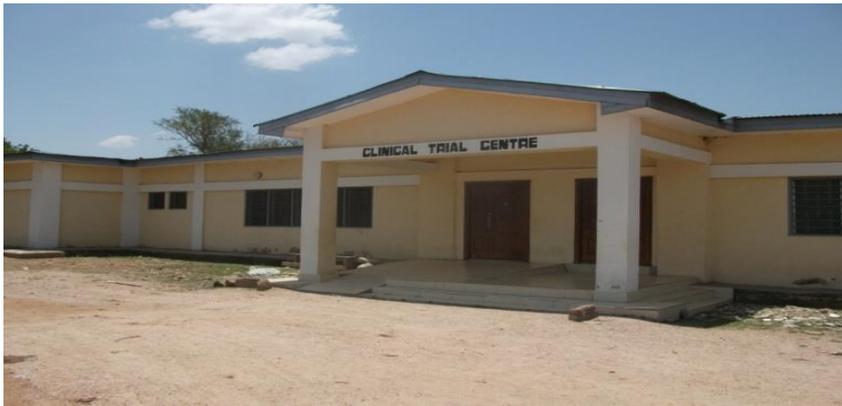
- Socioeconomic indicators
- Household characteristics
- Education
- Assets
 - Household possessions
 - Radio and TV
 - Means of transport , bicycle , motor cycle, cars
 - Land ownership
 - Animals

Current Population pyramid

- Total population
159,370
- Female constitutes
52.3%
- Under 15 years are
35.8%
- 60+ years constitute
10.1%



SELECTED RESEARCH FACILITIES



Maternal Health Program

QUALMAT Study

(Quality of Prenatal and Maternal Care)

- This study aims at improving Maternal and Neonatal care through implementation of performance -based incentives and a computer assisted clinical decision support system that reinforces provider competence.

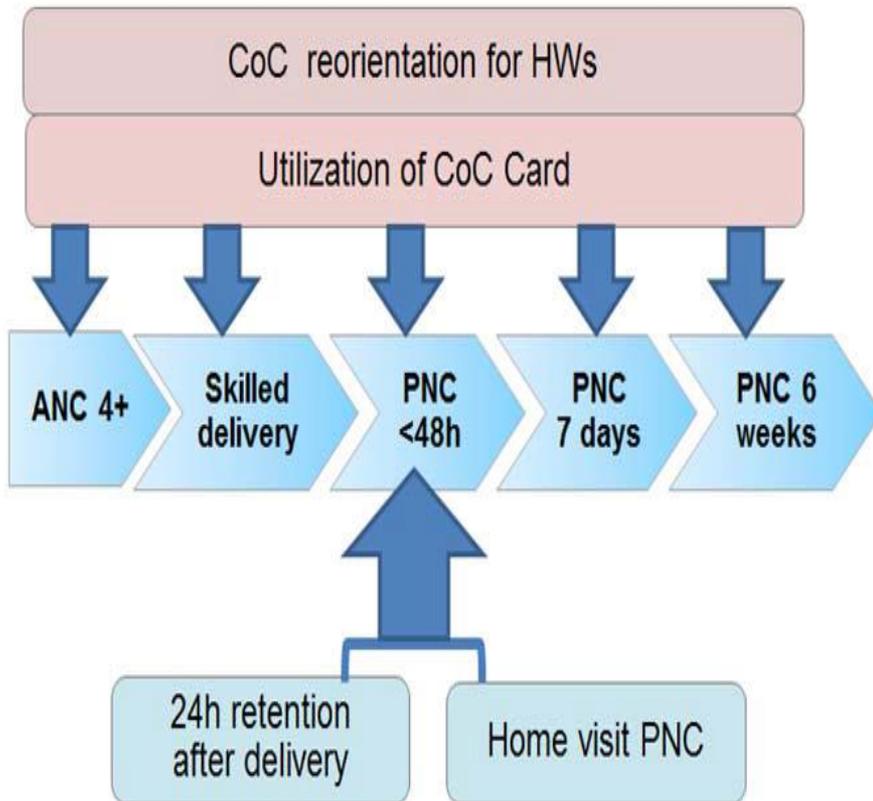


Maternal Health Studies

EMBRACE Project

(Ensure Mothers & Babies Receive Adequate Care)

- This project is on Continuum of Care from Pre-pregnancy to Childhood by determining bottlenecks that impede | a flexible package of interventions



Clinical Trials and Services



- **Eurartesim studies:**
 - Evaluating the clinical safety and effectiveness of a fixed dose artemisinin-based combination of dihydroartemisinin /piperaquine therapy (Eurartesim®)
- **Artesunate extension study:**
 - Long-term neurocognitive assessment of children following an episode of severe malaria: Follow-up of the Pre-referral Rectal Artesunate Trial

Malaria Control

Undertaking entomological surveys and monitoring of the indoor residual spraying undertaken in the north by the AngloGold Ashanti Malaria Program



Clean Cook Stove Studies

- Distributing different cook stoves to household in the districts
- Investigating the impact of different cooking stoves on health.
- Efficient cooking would improve indoor and outdoor air quality and reduce the burden of diseases related to cooking smoke



Environmental & Cardio-metabolic Diseases

- investigating the interaction between genetics, environmental factors and cardio-metabolic diseases in Africans



Adolescent Health



Health Systems

- **GEHIP**

Evaluation and cost-effectiveness analysis of the Ghana Essential Health Intervention Project

- **UNICO:**

- Comparative study of household needs, utilization and access to health care services in rural Ghana and Vietnam. To understand impact of universal health coverage on the poor and vulnerable.

QUALMAT:

Selected major projects in the past

- Ghana VAST and the Bednet Projects
- Insecticide Bednet Project
- Community and Family Planning Project
- Malaria Field Epidemiology Studies
- Adolescent Sexual Reproductive Health Project
- Female Genital Mutilation
- Drug Effectiveness and Safety Studies
- Ghana Essential Intervention Project
- LQAS Survey in Northern Ghana
- Malaria In Pregnancy

Academic Institutions

- Universities in Ghana
- University of Tokyo
- Columbia University
- University of Michigan
- University of Colorado
- Oxford University
- University of Melbourne
- University of the Witwatersrand
- University of Heidelberg
- London School of Hygiene and Tropical Medicine
- Liverpool University
- Others

Selected Sponsors/Donors

- Ghana Government
- INDEPTH-Network
- USA - USAID , NIH, Gates Foundation, Universities,
- Europe: European Union, Universities
- Japan- JICA, University of Tokyo
- UN Agencies: WHO/ UNICEF / Etc
- UK- DFID, Wellcome Trust, Universities

Other Contributions of The Centre



- Employment Generation
- Human Resource Development
- Health Care and Education
- Health Research Tourism
- Consultancies:
 - Clinical care
 - Demographic surveillance
 - Health and Demographic Research
 - Monitoring and Evaluation
 - Data Processing

Additional information

- **Website:**

- www.navrongo-hrc.org

- **Projects:**

- <http://www.navrongo-hrc.org/projs/projects.html>

- **Publications:**

- <http://www.navrongo-hrc.org/pubs/publications.html>

Thank you!

