

Overview of the Navrongo Health Research Centre GHS/Ministry of Health

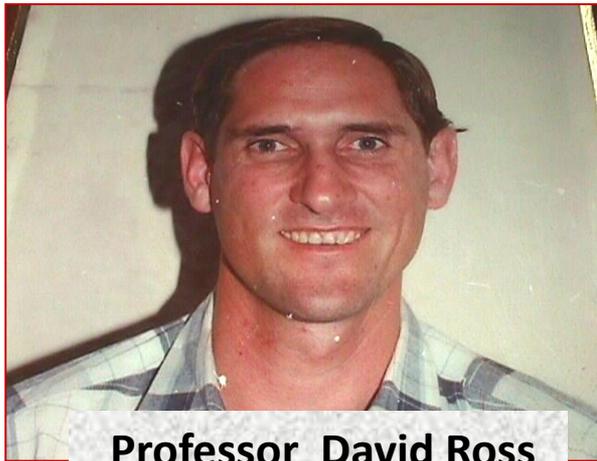
Dr. James Akazili



History of Navrongo Health Research Centre

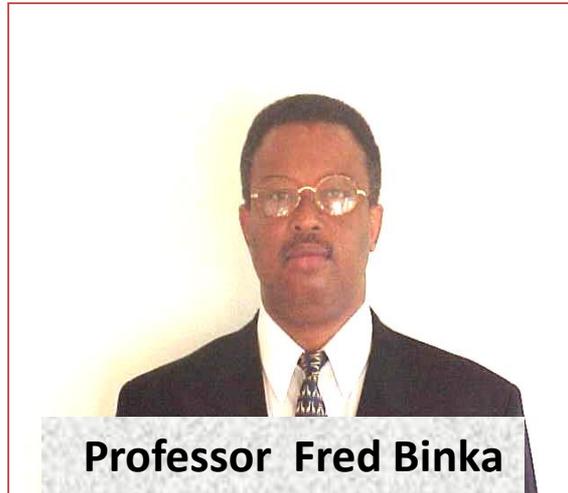
Started as Ghana Vitamin A Supplementation Trial site in 1988 by three collaborators:

- Ministry of Health, Ghana
 - London School of Hygiene and Tropical Medicine, UK
 - University of Science and Technology, Ghana
- The study tested the effect of repeated large doses of Vitamin A on child Survival
 - Key finding was 20% reduction in all cause mortality in children
 - In 1992 the Ministry of Health, Ghana converted the site into a Research Centre



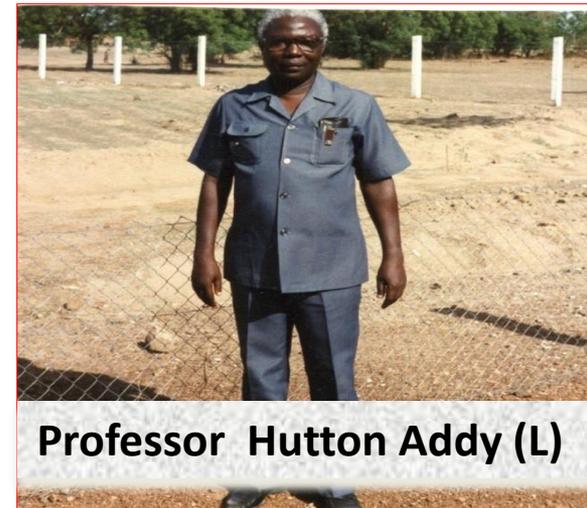
Professor David Ross

**London School of Hygiene
and Tropical Medicine**



Professor Fred Binka

**Ministry of Health,
Ghana**



Professor Hutton Addy (L)

**University of Science and
Technology, Ghana**

Current Affiliation and Mandate

Ministry of Health, Ghana

Ghana Health Service

Research & Development Division

Navrongo Health Research Centre

Kintampo Health Research Centre

Dodowa Health Research Centre

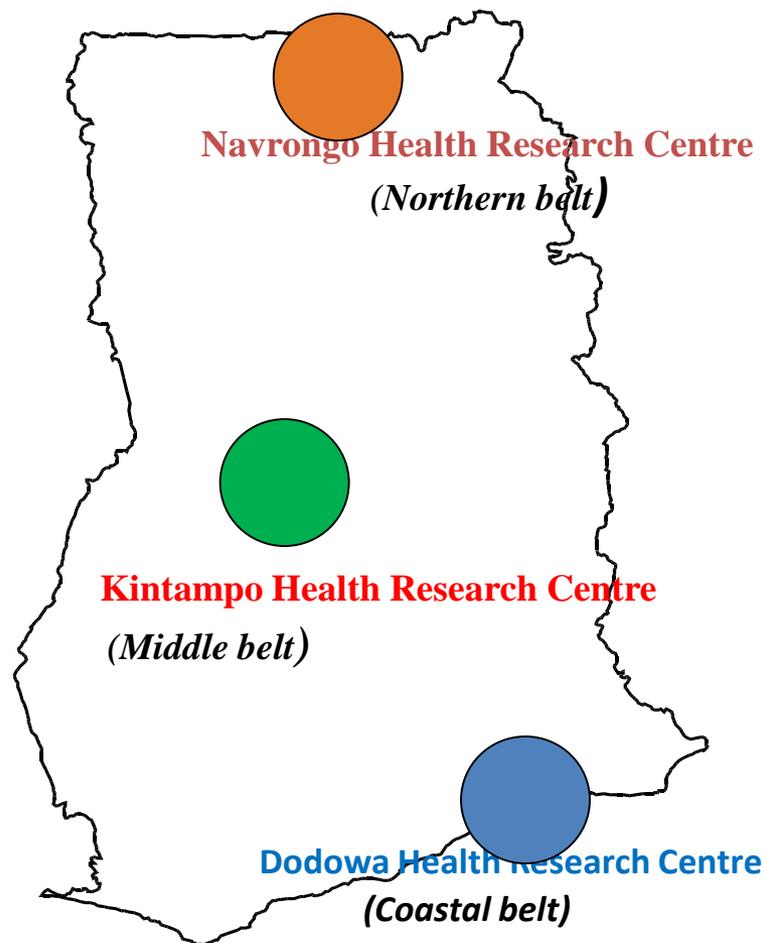
Vision statement

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

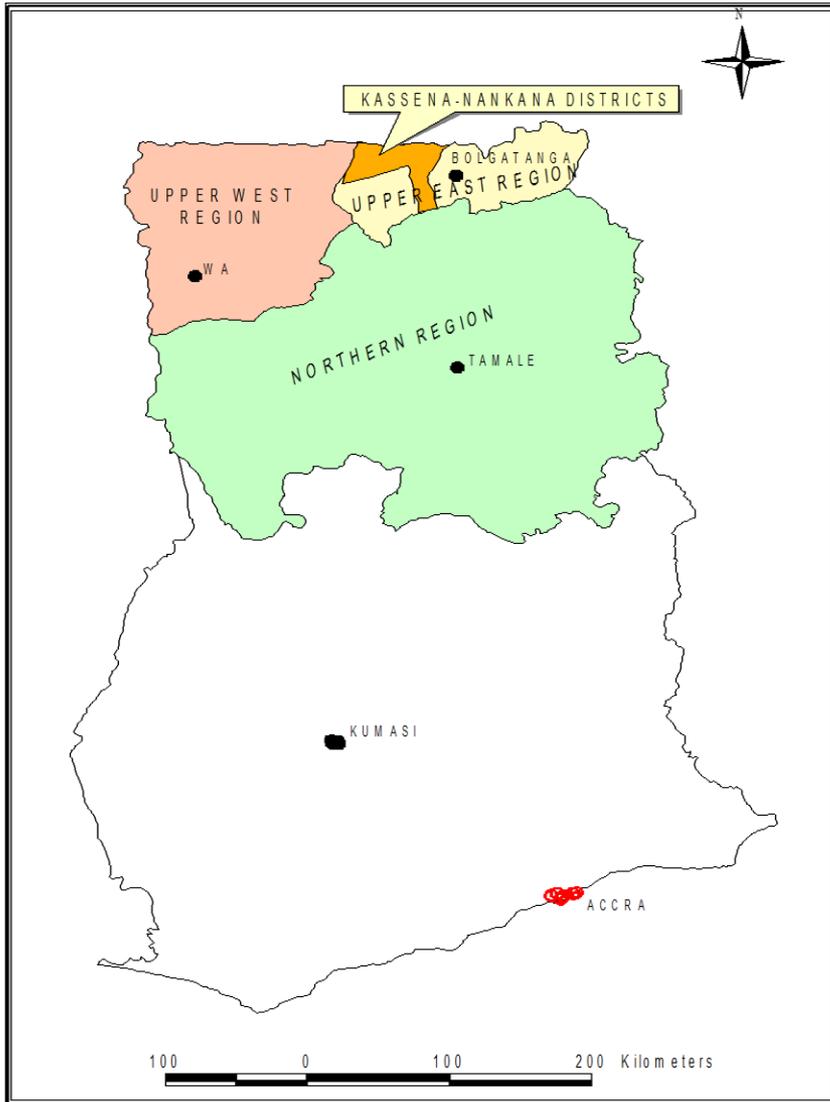
Mission statement

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

Founding Member of the INDEPTH-network!

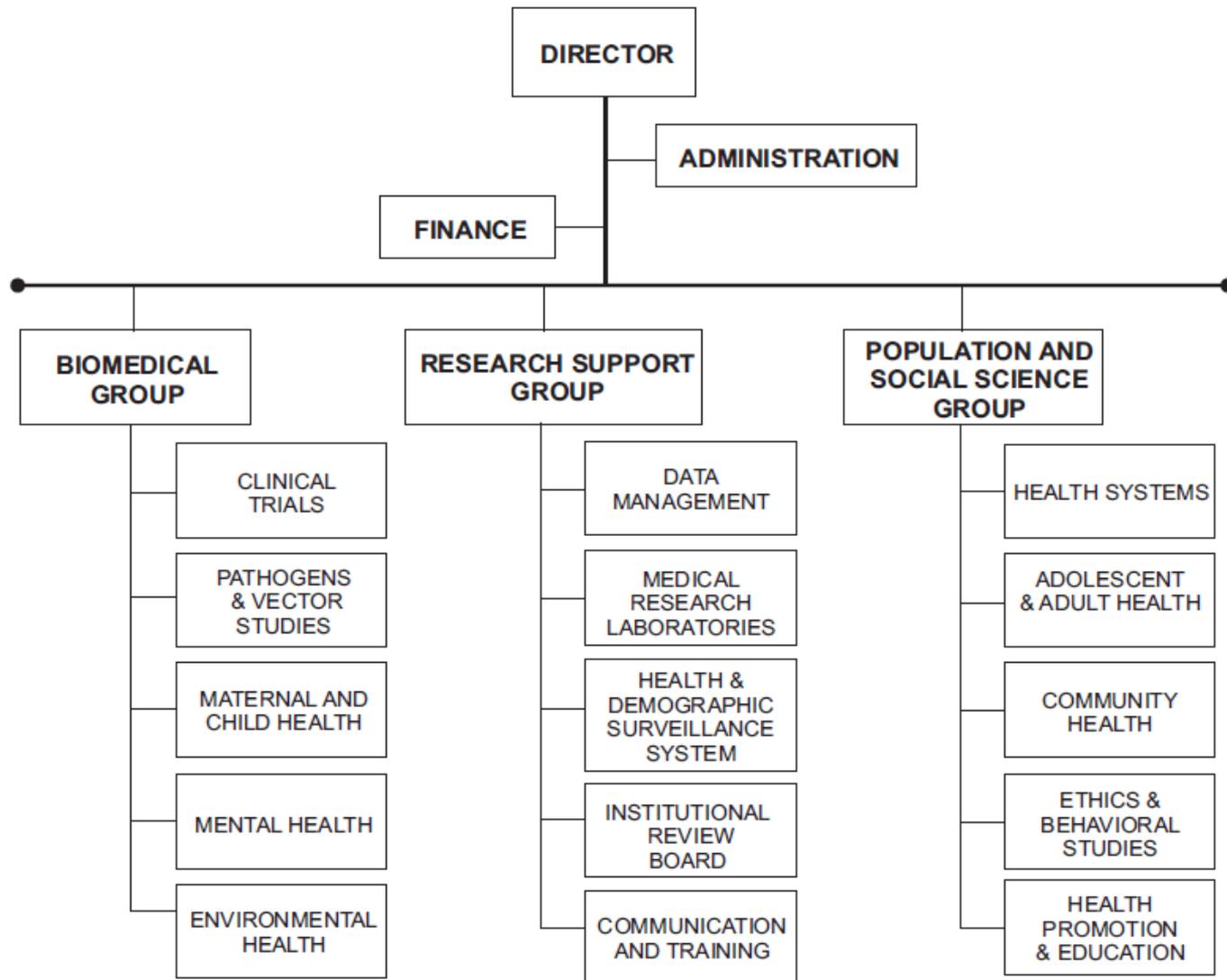


Navrongo Operational Area



- **The 3 regions of the north of Ghana**
 - Northern, Upper East & west
 - About 40% land mass
 - About 30% of the population

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

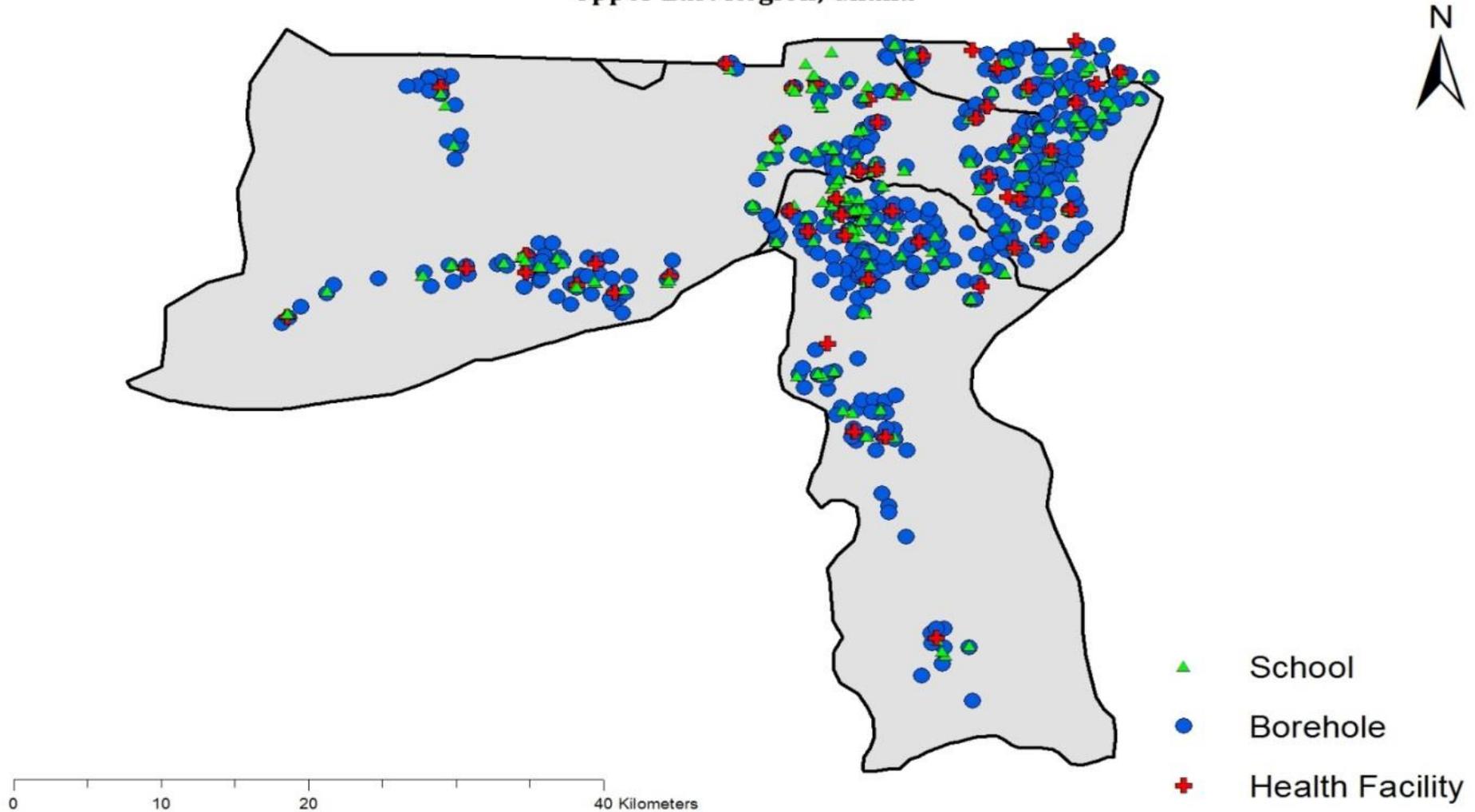
Designations	GHS	Project	Total
Physicians	8	0	8
Fellows	10	2	12
Senior Members	5	12	17
Senior Staff	3	31	34
Admin. staff	2	10	12
Field workers	2	119	121
Total	30	174	204

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



NHRC Research Platform



Administration block



Computer centre



Laboratory complex



Library and JCR complex



Data processing centre



Demographic surveillance block



Research officers block



Clinical trial centre



Fellows block



Guesthouse



Hospital

A compound with a number of HHs



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

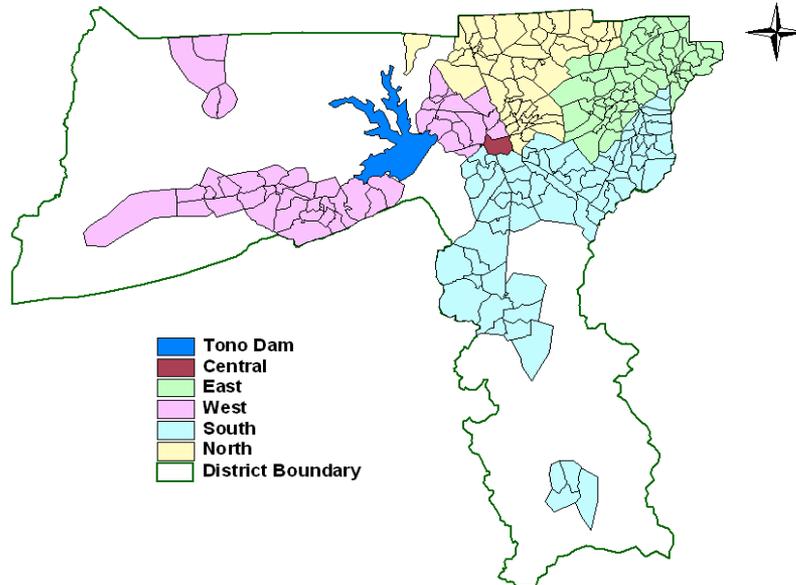
Navrongo Demographic Surveillance System

Characteristics

- Established in 1992
- Two districts and 160 000 People
- Zones (5): East, West, Central, South & North
- 247 clusters, /18,800cps / 33,000 HHs
- 77th round; Three rounds a year



Map of Kassena Nankana District showing the DSS zones

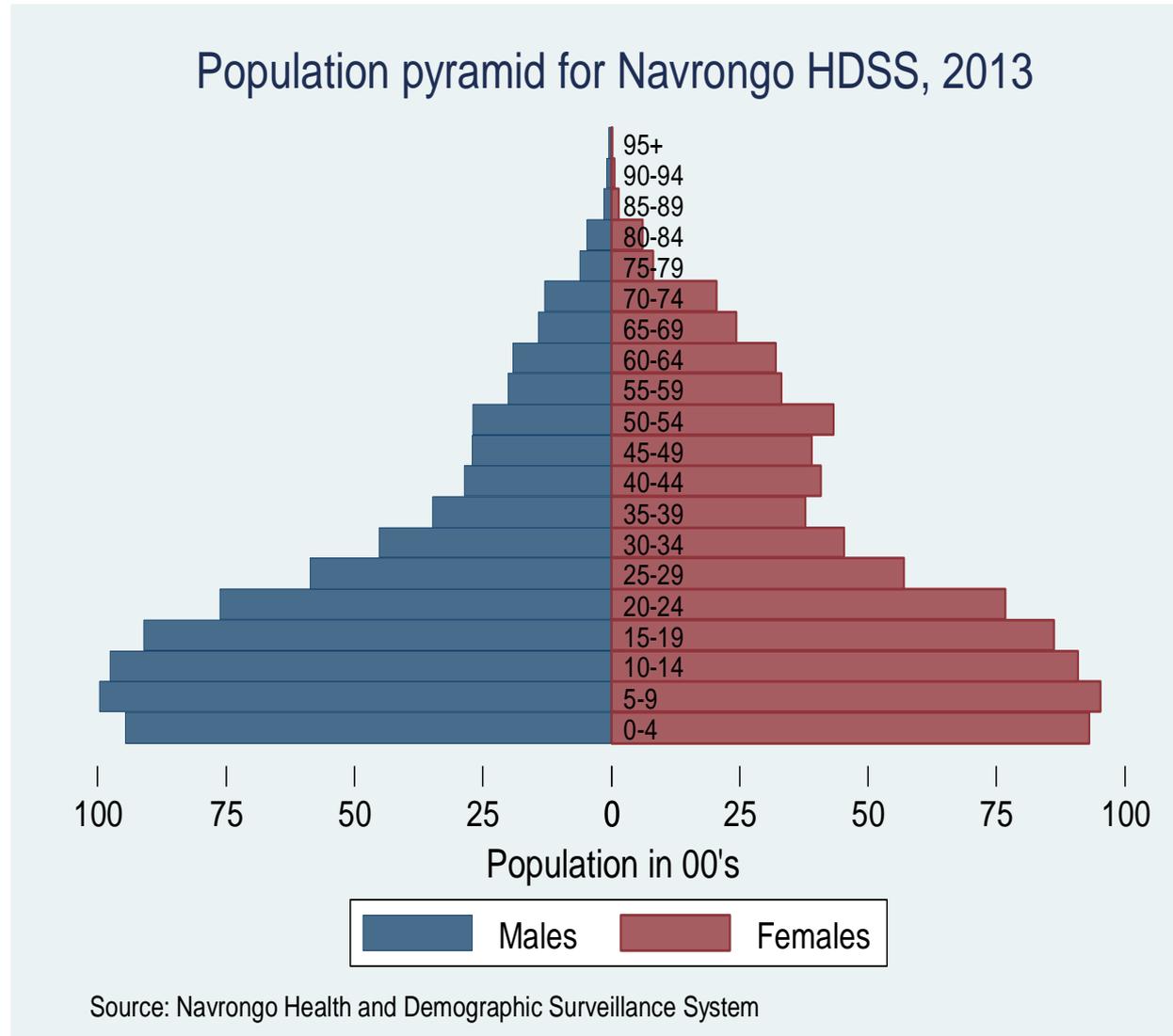


NHDSS Routine data collection

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

Current Population pyramid

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



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
- Meningitis Carriage Studies
- Others – Vaccine and drug trials

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

What else ?

Contribution to national economy:

- Employment Generation
- Human Resource Development
- Health Care and Education
- Health Research Tourism

Consultancies:

- Demographic surveillance
- Health and Health System Research
- Monitoring and Evaluation
- Data Processing
- Proposal, report & manuscript dev't

Contact information

Website: www.navrongo-hrc.org

Email: Director@navrongo-hrc.org

Projects:

➤ www.navrongo-hrc.org/projs/projects.html

Publications:

➤ www.navrongo-hrc.org/pubs/publications.html



Paga Crocodile Pond

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!