Overview of the Navrongo Health Research Centre
NHRC’S Location

Kassena-Nankana district
Characteristics of KND

• **Area** - 1674 sq.km.

• **Population** - 150,000 (under surveillance)
  82% Rural

• **Climate** - One rainy season (June-Oct.)
  - Long dry season (Nov-May)

• **Vegetation** - Savannah

• **People** - Kassenas, Nankanis & Builsas
NHRC’S MANDATE

• To research into priority health problems facing the developing world and inform policy decisions on feasible interventions
Epidemiology of the Study population

- Malaria is the major cause of morbidity and death
- Diarrhoea and ARI also important causes of disease and death
- Periodic outbreaks of CSM (meningitis)
Research interest areas

- Malaria
- Diarrhoeal diseases
- Respiratory Infections
- Other communicable diseases
  - CSM, Schistosomiasis, Filariasis
- Reproductive health issues
Scientific staff of the NHRC

- Epidemiologists
- Statisticians
- Biologists
- Demographers
- Social Scientists
- Health Economists
- Clinicians
Completed Trials/Studies I

- Vitamin A Supplementation Trial
- Bednet Trial
- Malaria Attack Rate Studies
- Etaquine Trial
- Malarial Case Control Study
- Artesunate Trial
- IPTi & IPTp
Completed Trials/Studies II

- CHFP
- FGM
- Maternal Health Study
- Azithromycin/Chloroquine Studies
- Meningitis Vaccine Trial
- IPTi Acceptability
- Malaria RDT Studies
- Rotateq Trial
Ongoing Trials/Studies I

- Malarial epidemiological studies
- Cerebrospinal Meningitis Surveillance
- Human Rotavirus Vaccine Trial (RRV-TV)
- ASRH
- Schistosomiasis
- Meningitis vaccine trial II
- INESS
- Normal Values Study
On-going studies/Trials II

- MoTech
- Qualmat
The Navrongo HDSS

- The success of all completed and ongoing projects is facilitated by the existence of the Navrongo HDSS.

- Fieldworkers visit each household periodically to collect and update the socio-demographic information of each individual.

- Information collected include births, deaths, pregnancies, migrations, vaccination, education, among others.

- Verbal autopsies are also conducted on all deaths to ascertain the probable causes of deaths of the people.
Population levels and trend

- Population continues to grow though not consistent.
- The growth rate has been less than 1% over the years.
- This has been due to the high net out migration from the district.
Neonatal, infant and child mortality rates

- Trends in all three have been on the decline.
- The decline is prominent in the infant and under five.
Collaborations

- The Ghana Health Service
- District Health Management Team
- Other HDSS sites
- The INDEPTH Network
- Chief, opinion leaders and community members
- All our funders
Thanks for your attention