

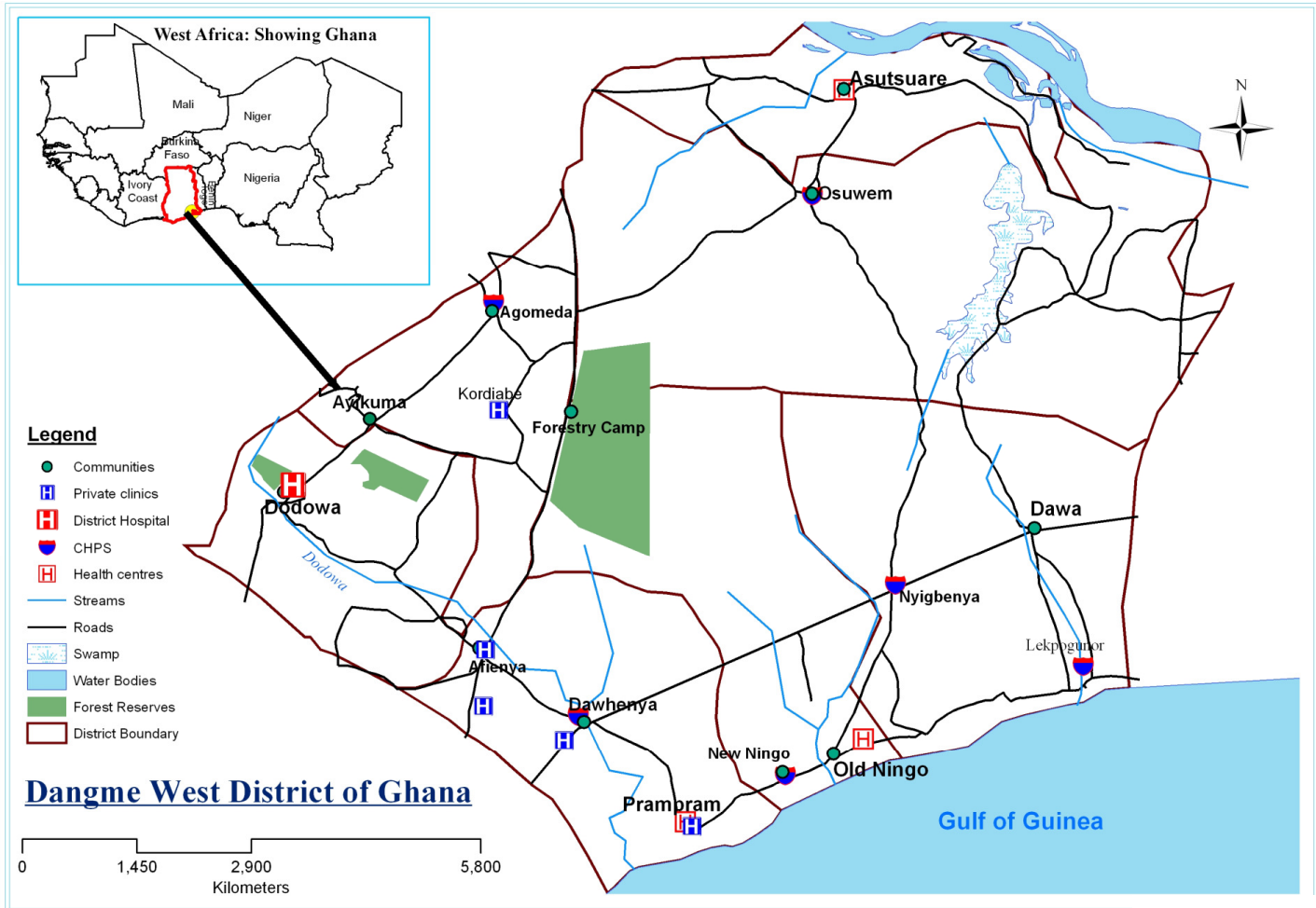
DODWA HEALTH RESEARCH CENTRE



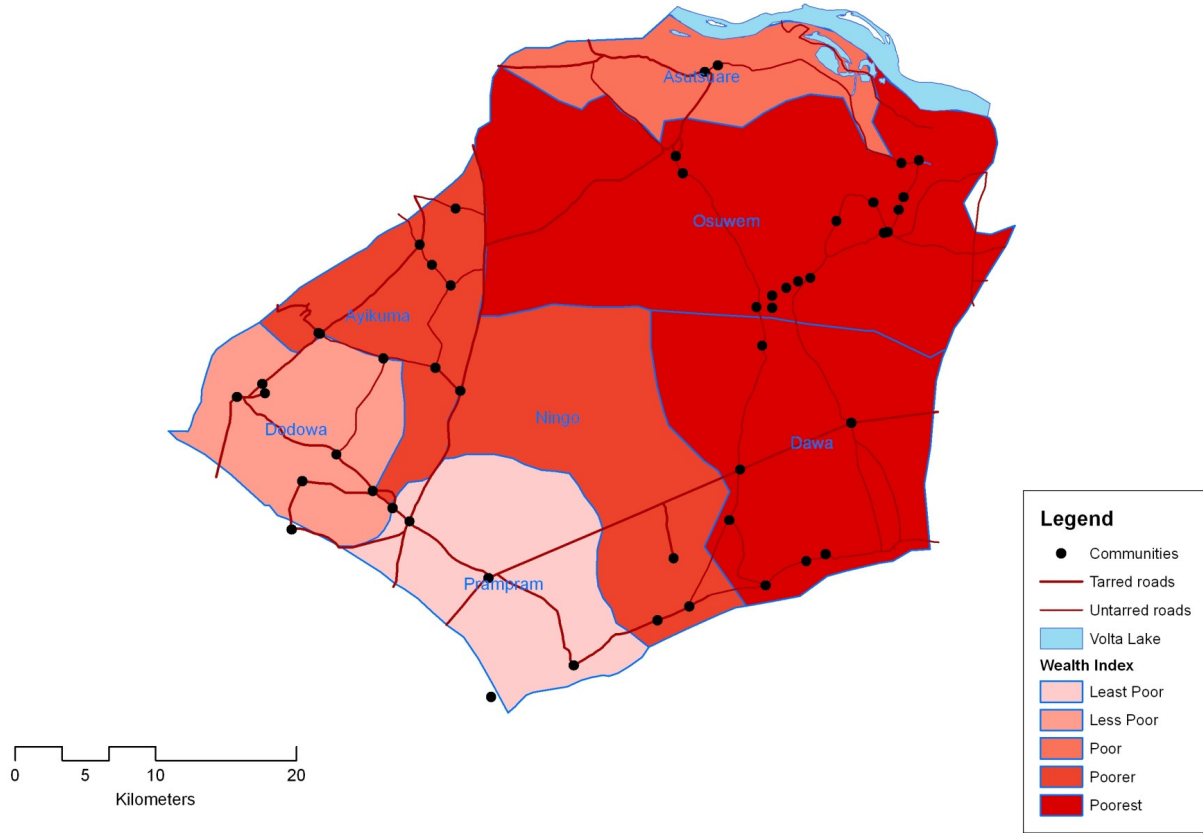
OUTLINE

- **Background**
- **Objectives and Focus for 2009**
- **Completed and current projects**
- **DDHSS**
- **Linkages**
- **Collaborations**





Dangme West District: Wealth Index by Area Council



Objectives of the center

- **To take part in identifying and carrying out priority research to help address policy, planning and implementation needs of the GHS.**
- **To build multi disciplinary capacity within the research centre to provide technical support and conduct Implementation Research**



Objectives of the center

- **To build capacity in finding effective solutions and implementation alternatives to identified need and problems.**
- **To disseminate results of research findings to key people, policy makers and anyone responsible for health care in a meaningful way.**
- **Be a Resource Centre for building capacity in applied Social Science Research**
- **Have a functioning DSS and be part of the INDEPTH Network**



Research Capacity

- Medical Anthropology
- Epidemiology
- Demography and Population studies
- Population and Field based Epidemiology
- Medical Statistics
- Applied Health Social Science
- Public Health
- Basic Sciences
- Social Sciences



Priority Research Areas

- **Malaria**
 - Home based care for malaria
 - INESS
 - Involvement of private sector in health care delivery (Chemical Sellers)
- **Social Protection**
 - Health Insurance
 - Conditional Cash Transfers for Pregnant women
- **Cost of care**
 - TB
 - Malaria
- **Pregnancy Registry**



Completed Projects

- Continuous quality Improvement for health care *
- Deployment of Rectal Artesunate *
- Male Involvement in family planning
- HIV and stigma
- Malaria and access to health care
- Design and Implementation of MHIS*
- Community perceptions on Community Health Insurance scheme
- Perceptions on and acceptability of Artesunate Amoduaquine
- Impact of the use of Rapid Diagnostic tests in the management of Malaria in public Health facilities*



Current Projects

- INDEPTH Effectiveness and Safety Studies
- Use of RDT in chemical shops
- Monitoring and Evaluating the impact of the ILO Global Social Trust conditional cash transfer pilot
- Pregnancy Registry
- TB Surveillance
- Flu surveillance



DHDSS

- First attempt at baseline 2003
- Baseline started in 2005
- Round1 data collection in 2006
- Bi annual data collection
- Events picked each round are
- Add on modules
- Annual updates on SES
- Housing Structures Digitally mapped



Demography

HDSS surveillance pop	108,334
Surveillance area	1,528.9/sq km
Population density	70.9/ sq km
Households	22,360 in 376 communities
Sex ratio	87 males: 100 females
Household size	4.8

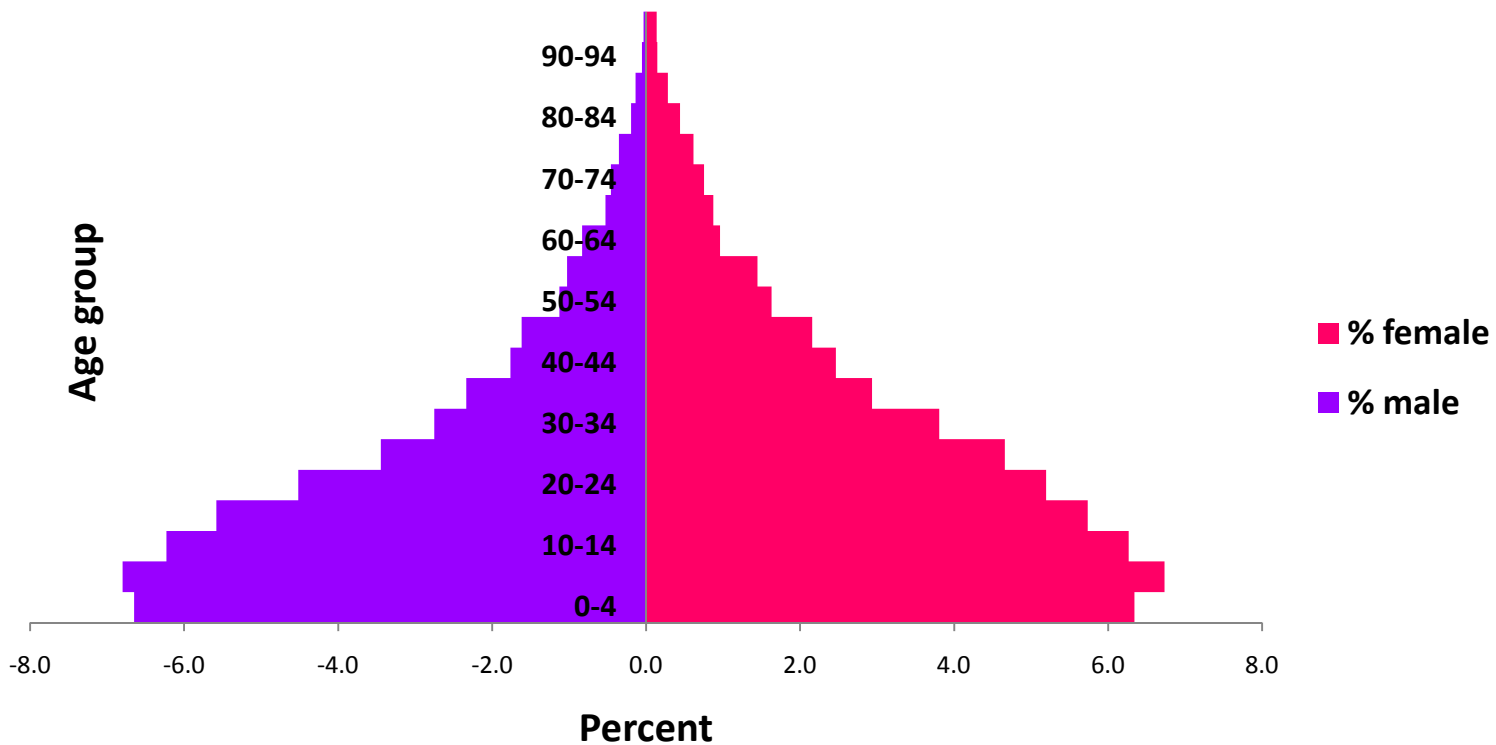


Demography -2

Infants	2.1%
< 5 yrs	13%
Females 15 - 49 yrs	26.9%
Dependency ratio	79% (2008) and 78.6% (2009)
Female headed households	39.7%



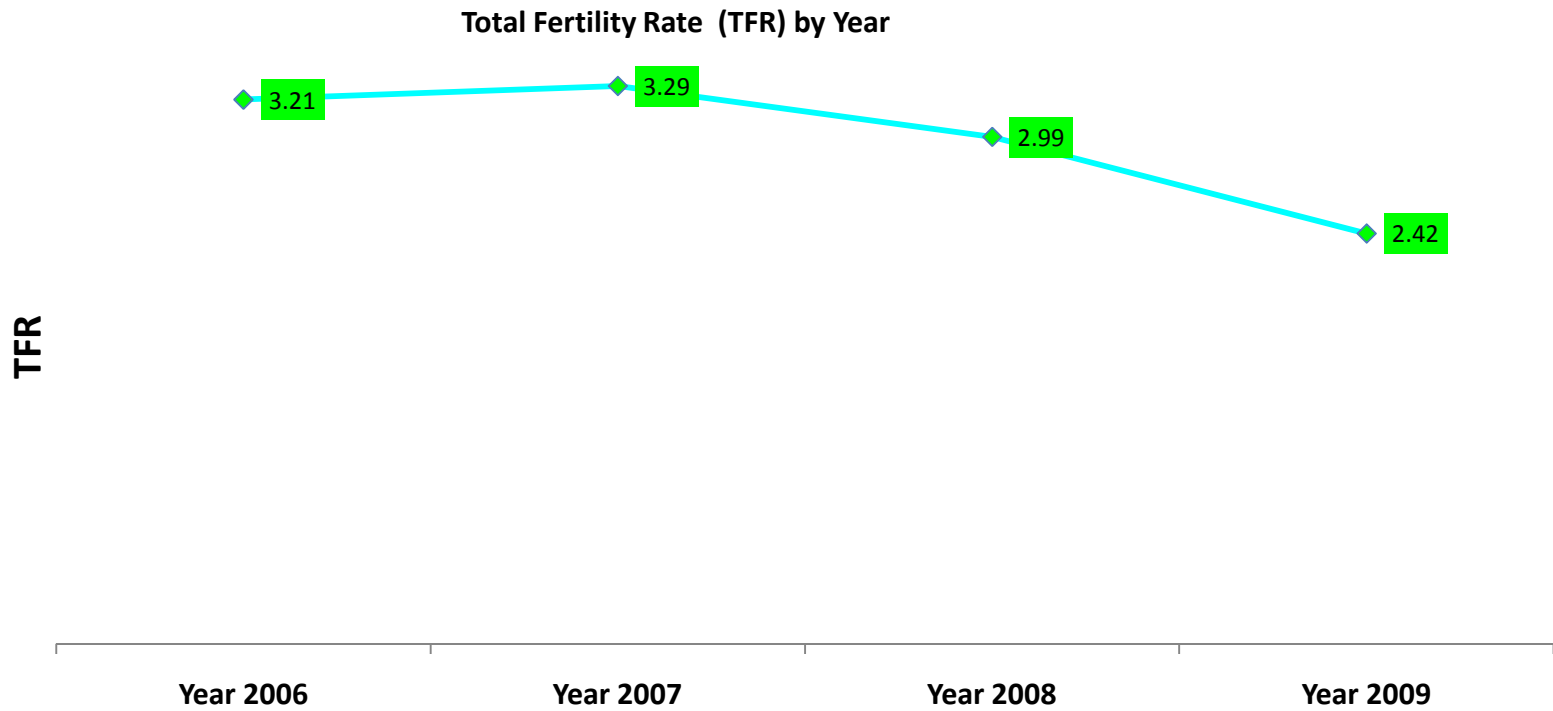
DHDSS Population Pyramid by Age and Sex,



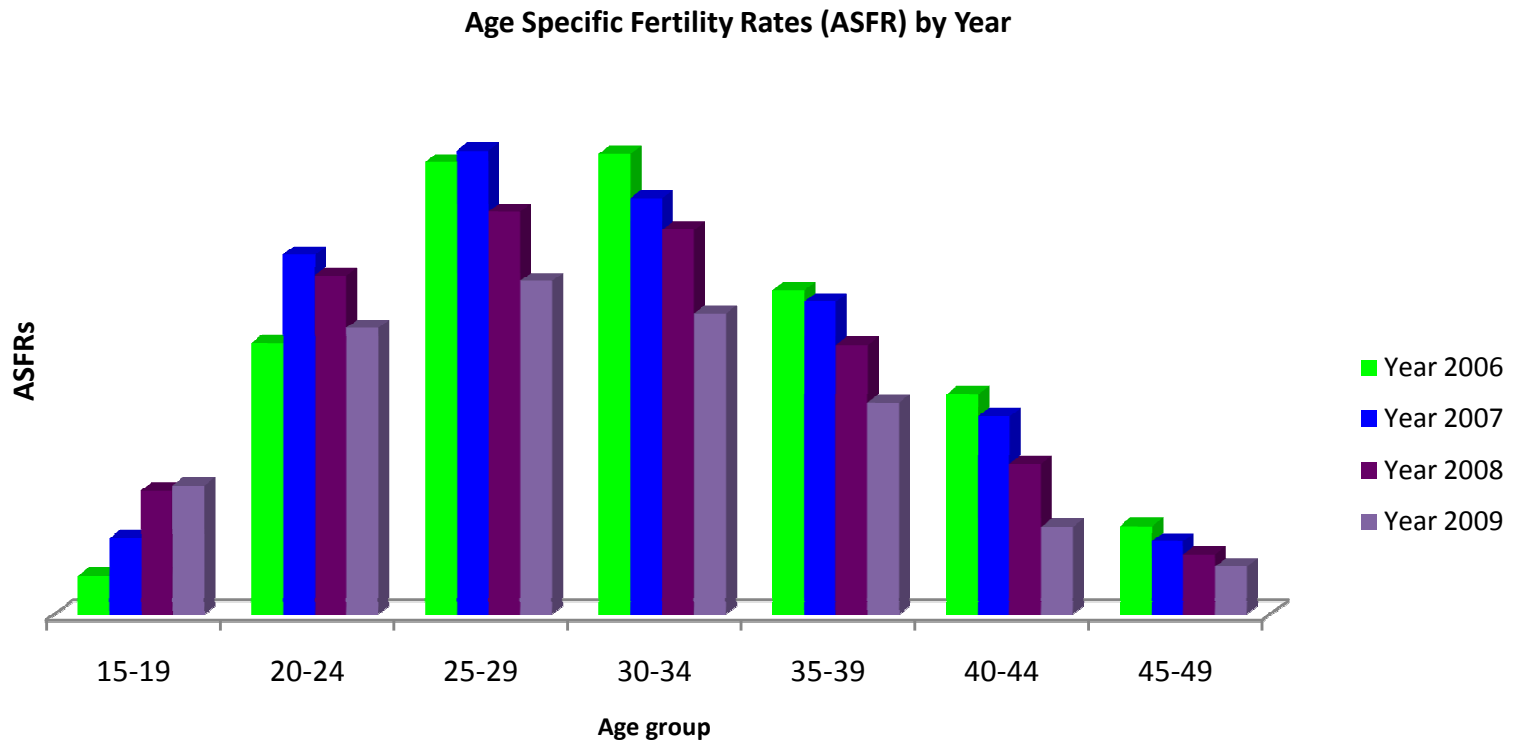
39% being less than 15 years. the number of children born in the last five years has declined compared to the number born 10 years ago.



Total Fertility Rates by Year, DHDSS



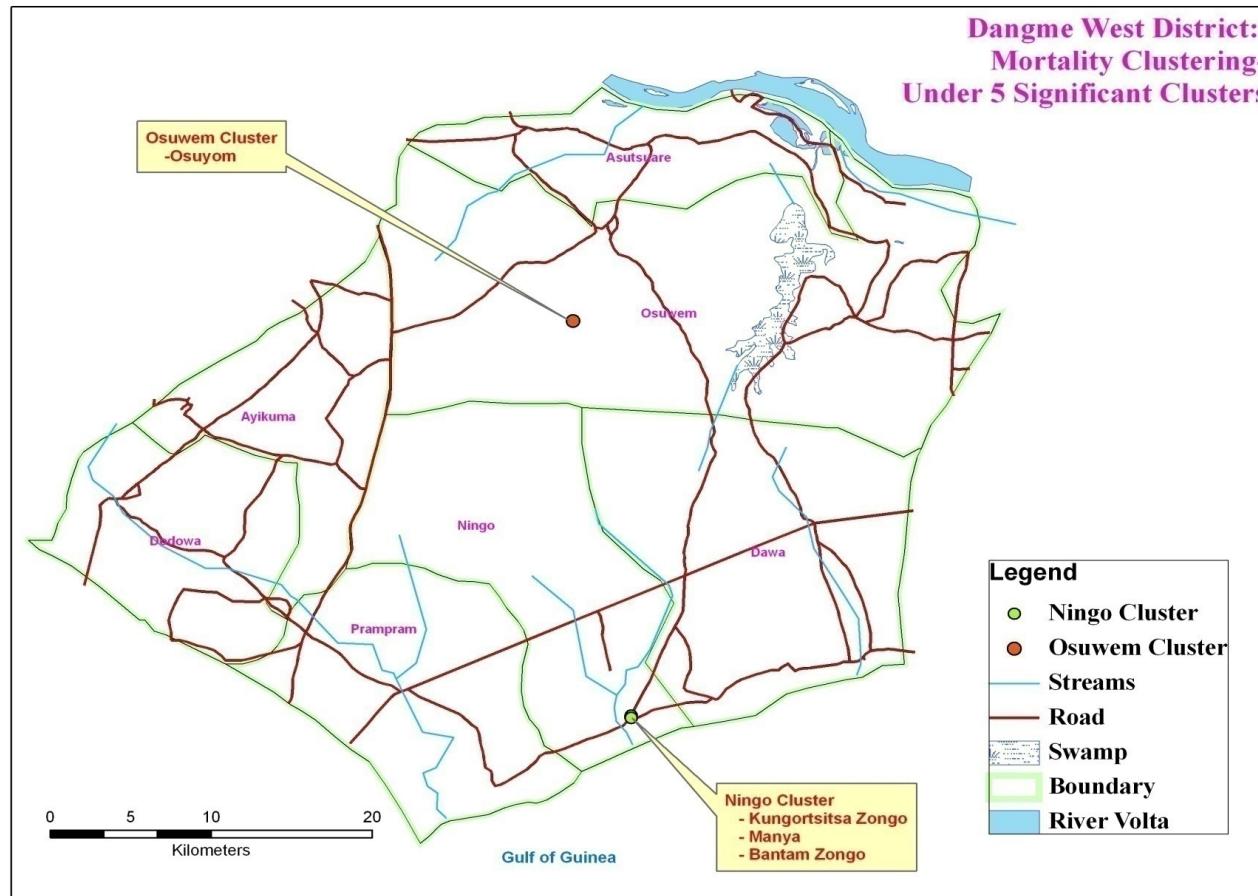
AGE-SPECIFIC FERTILITY RATES BY YEAR, DHDSS



NB: The continuous rise in ASFR among the age group 15-19 (Teenage pregnancy)

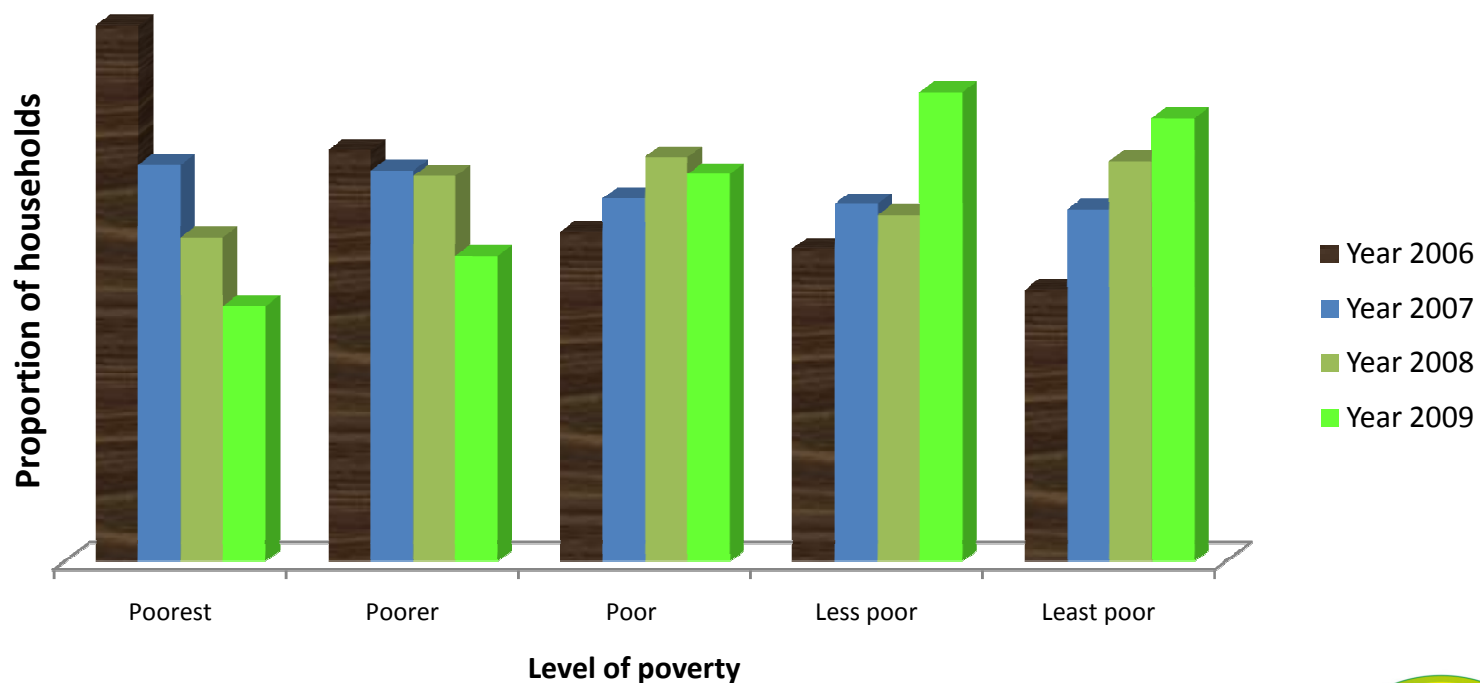


Results- A map with significant clusters- Dodowa

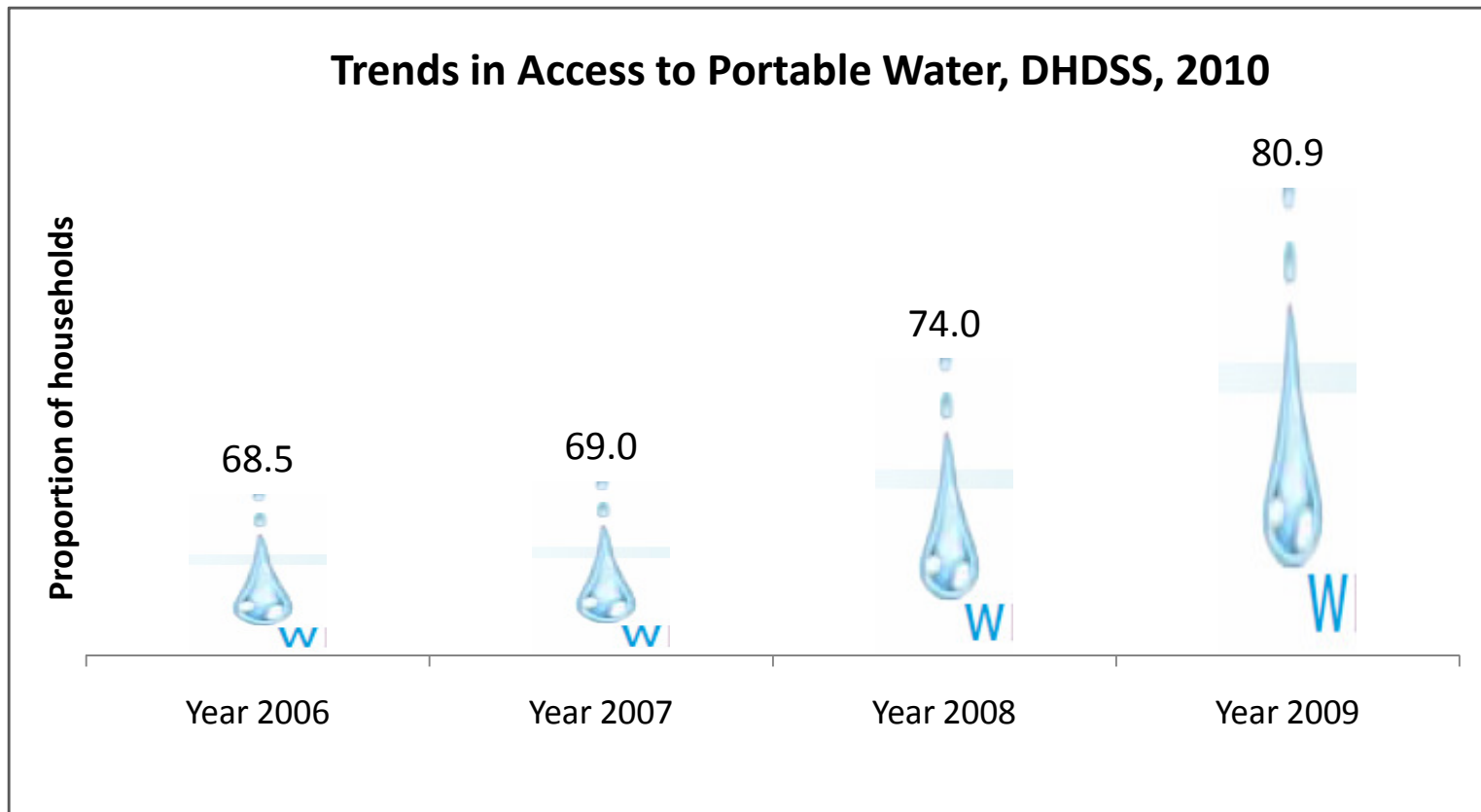


Trends in Households' Poverty levels

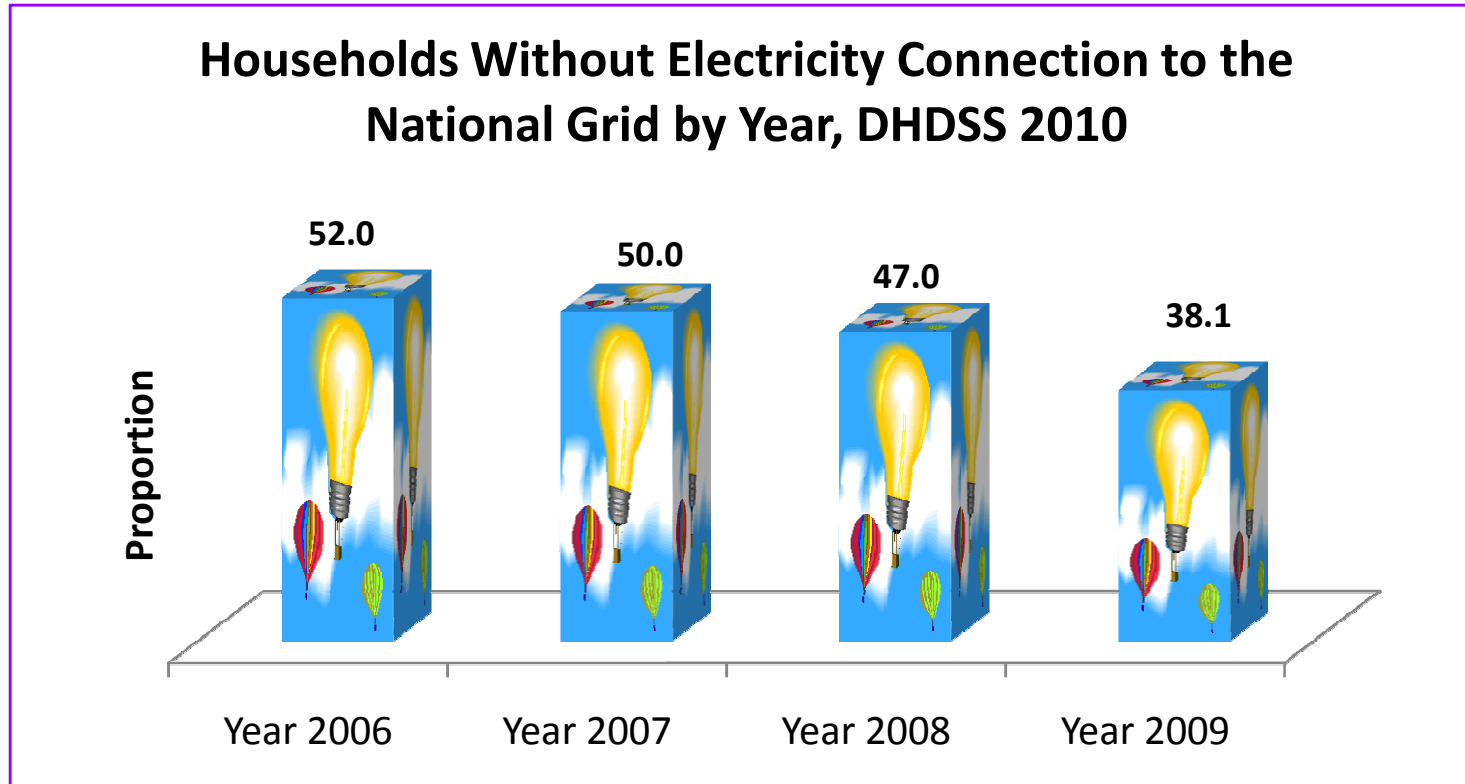
Poverty levels by year, DHDSS, 2010



Utilities - Water

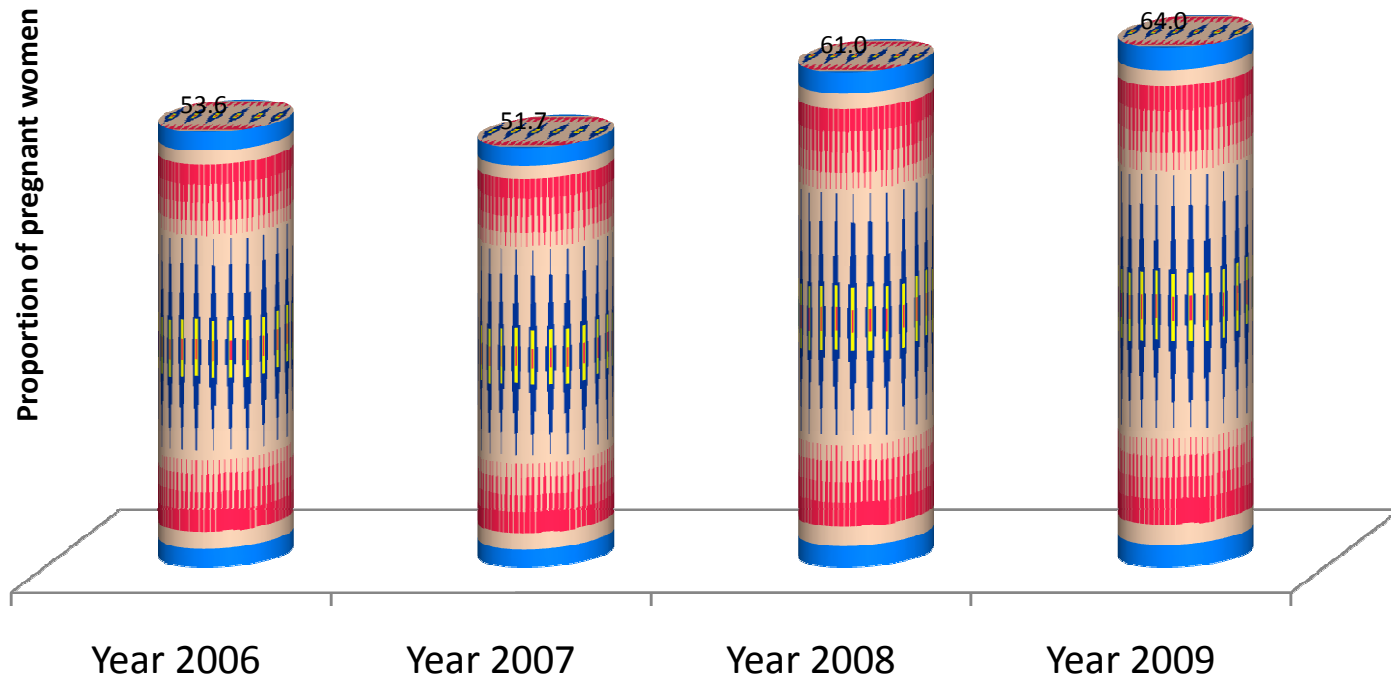


Utilities – Electricity Connectivity

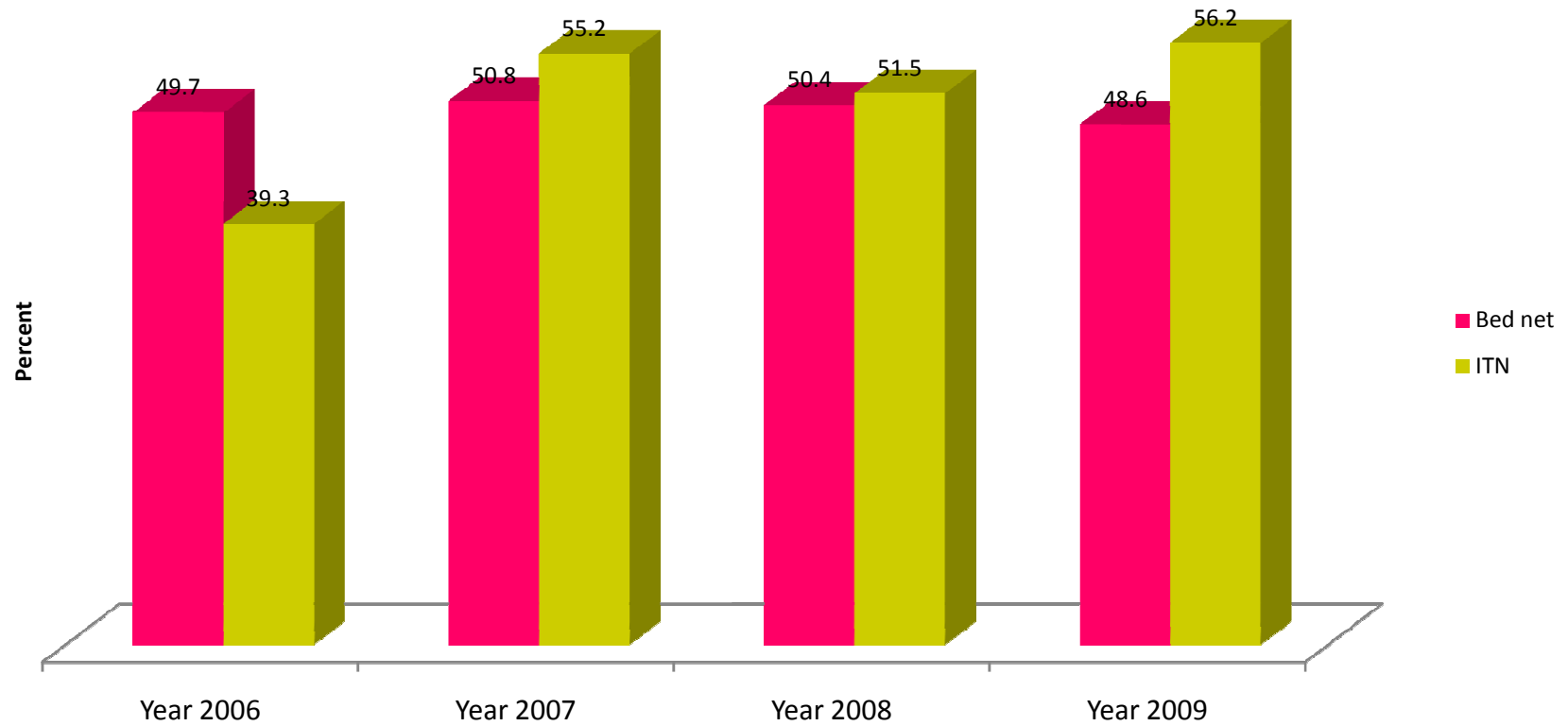


IPT

Pregnant women who received at least one IPT, DHDSS



Bednet and ITN usage among Pregnant women by year, DHDSS, 2010



Insurance Registration

- **Increased from 33.3% in 2007, 49.8% in 2008 and to 59.7 % in 2009**
- **Non Registered households**
 - **Lack of Money 34.4% in 2008 to 68.8 in 2009**
 - **Sub standard drugs 5.2% in 2008 to 4.4 in 2009**
 - **Attitude of staff 3.3% in 2008 to 1.5 in 2009**



INDEPTH WORKING GROUPS

- **Mortality Clustering**
- **Urbanization and Migration**
- **Social Autopsy**
- **TB**
- **Hrweb**
- **Mortality Monograph**
- **INESS**
- **Cost of Illness**



Links with DHMT

- **Data for planning**
- **Home visits by CHN**
- **Targeted Distribution of bednets**
- **Zoning of the district for interventions**
- **Implementation Research**



Links with Local Government

- **House numbering**
- **Issuance of Birth Certificates**
- **Biometric Picture ID for community and facility data linkage**
- **Poverty Targeting**
- **Health Insurance Registration**
- **Official Issuer of house numbers**





IIDP / IRMP



**SPH
Georgetown
Columbia
Mount Holyoke
Vassar College
U. West Virginia
Michigan State U
U. Amsterdam
U. Copenhagan**

Collaboration

- **Ghana Health Service**
- **Ministry of Local Government**
- **INDEPTH Network**
- **School of Public Health University of Ghana**
- **LSHTM**
- **ILO**
- **CDC**
- **WHO**
- **Dutch Government**





THANK YOU

