Kaya HDSS description

Brief Introduction

Kaya HDSS is located in the North Central region of Burkina Faso (see maps), in the health District of Kaya. It is about 100 km from the capital Ouagadougou. Kaya HDSS (between latitudes 13° 04' and 13°17' N and longitude between 0°59' and 1°98'W, and altitude rising between 58 and 376 m above the sea).

The HDSS area covers 7 sectors of the town of Kaya and 18 villages in the health district of Kaya.

The HDSS was established to serve as a platform for evaluating health interventions in compliance with IRSS’s mission and to provide a framework for study projects, ERIS research programs and its partner’s research.
Fig. Male and female population by age and sex, Kaya HDSS, 2012

Source: Kaya HDSS, 2012
### Demographic Characteristics

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<tbody>
<tr>
<td>Population under surveillance 2012</td>
<td>67,676</td>
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<tr>
<td>Crude Birth Rate (CBR)</td>
<td>40 per 1000 for the period 2009-2011</td>
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<td>Total Fertility Rate (TFR)</td>
<td>5.01 for the year 2011</td>
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<td>Crude Death Rate (CDR)</td>
<td>8.3 per 1000 for the period 2009-2011</td>
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<td>Life expectancy at birth</td>
<td>64.3 years for the period 2009-2011</td>
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<td>Neonatal Mortality</td>
<td>4.4 per 1000 for the period 2009-2011</td>
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<td>Post-neonatal Mortality</td>
<td>20.4 per 1000 for the period 2009-2011</td>
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<td>Infant Mortality</td>
<td>24.8 per 1000 for the infant mortality rate</td>
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<tr>
<td>Child Mortality (1-4 years)</td>
<td>66.5 for 1000 for the period 2009-2011</td>
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### Objectives

**Primary purpose(s) of the HDSS**

The purpose of Kaya HDSS is to study the demographic and health situation of the West African population with very high mortality levels, to observe changes over time, and to examine the factors involved, which can serve as a basis for policy-makers and capacity building in order to enhance the community health.

**OBJECTIVES**

- To identify the characteristics and the trends of morbidity and mortality periodically and longitudinally within the population of the site;
- To identify the socio-economic characteristics of the population and the influence of these variables on public health;
- To analyze the evolution of HIV epidemic and its demographic impact.
- To determine the impact of HIV epidemic on reproductive health
- To identify the determinants of maternal and neonatal morbidity and mortality
- To create a platform of research for the health interventions accordingly.
Priority Research Areas

- Epidemiology of HIV/AIDS
- Reproductive health
- Health system
- Health policy
- Evaluations of health programmes
- Clinical trials
- Community trials

Ongoing project:


2. Research and community interventions for health equity in Burkina Faso. Financed by CIHR / IDRC (Canada).


4. Implementation and impact of an intervention program against malaria in Burkina Faso. Financed by CIHR / IDRC (Canada).

Funders

- WHO/HRP
- FARES
- European Union (FP7)
- IRSC, Canada
- IDRC, Canada
Collaborators

- Hospital and district of Kaya
- National Hospital Yalgado Ouedraogo
- WHO
- World Bank
- University of Montreal
- International Center for Reproductive Health, Belgium
- Centre National de Recherche et de Formation sur le Paludisme (CNRFP)
- Institut de Recherche sur le Développement (IRD)- Burkina Faso
- Programme National de Lutte contre le Paludisme (PNLP)
- International Centre for Reproductive Health, Ghent University (Belgium)

Communications and Publications:


• Danielle Yugbare Belemsaga, Aristide Bado, Charles Kabore, Seni Kouanda (2013) “Utilization and quality of postpartum services for mother and infant in Kaya health district (Burkina Faso) “

• Boukaré Doulougou, Séni Kouanda, Gautier Ouédraogo, Bertrand Meda, Aristide Bado, Maria Victoria Zunzunegui, : “Awareness, Treatment and Control of Hypertension in a North-Central Region of Burkina Faso”;

A field worker collecting data from a household member

Landscape Kaya HDSS area