Nouna HDSS, Burkina Faso

Brief Description of Nouna HDSS

The district is located in the northwest of Burkina Faso, 300 kms from the capital, Ouagadougou. The research area of the CRSN had 84,336 at 12,31,2009, settled over 1.775 Km². Nouna area is a dry orchard savannah, populated almost exclusively with subsistence farmers of various ethnic groups. The area has a sub-Saharan climate, with a mean annual rainfall of 796 mm (range 483-1083 mm) over the past five decades.
Demographic Characteristics for the period 2005-2009

<table>
<thead>
<tr>
<th>Measure</th>
<th>Rate per 1000 units</th>
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<tbody>
<tr>
<td>Crude Birth Rate (CBR)</td>
<td>40.5</td>
</tr>
<tr>
<td>Crude Death Rate (CDR)</td>
<td>10.6</td>
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<tr>
<td>Neonatal Mortality</td>
<td>17.5</td>
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<tr>
<td>Post-neonatal Mortality</td>
<td>36.2</td>
</tr>
<tr>
<td>Infant Mortality</td>
<td>73.8</td>
</tr>
<tr>
<td>Child Mortality (1-4 years)</td>
<td>20.6</td>
</tr>
<tr>
<td>Under Five Mortality</td>
<td>31.6</td>
</tr>
<tr>
<td>Rate of Natural Increase</td>
<td>29.2</td>
</tr>
<tr>
<td>In-Migration</td>
<td>41.3</td>
</tr>
<tr>
<td>Out-Migration</td>
<td>49.1</td>
</tr>
<tr>
<td>Growth</td>
<td>2.4</td>
</tr>
</tbody>
</table>
Objectives

- Provide evidence for better policies/health care interventions
- Create formal training capabilities on site
- Reinforce research capacity within the country

Priority Research Areas

- Health System Research (treatment seeking behaviour, malaria case management, quality of care, health financing, research to policy, reproductive health, health and equity, adult health, migration, assessment of poverty reduction strategies)
- Biomedical Research (parasitology, entomology, biochemistry in malaria and virology in HIV/AIDS, bacteriology in meningitis)
- Clinical Research (new and old drugs in malaria, treatment of meningitis, resistance in ARV drugs)
- Global change and health (environmental issues and health)

FUNDERS

- Ministry of Science and Arts of the Land of Baden Württemberg/ Germany
- University of Heidelberg
- Ministry of Health, Burkina Faso
- Tropical Diseases Research/WHO
- European Union
- ICDR/Canada
- Pfizer
- Sanofi aventis
- Projet de Renforcement des Services de Santé/ African Development Bank
- European Union

COLLABORATORS

- Centre Muraz (Projet IMMPACT)
- Centre National de Recherche et de Formation sur le Paludisme (CNRFP)
- Institut de Recherche sur le Développement (IRD)- Burkina Faso
- Institut National de la Statistique et de la Démographie (INSD)
- Ministère de l’Enseignement de Base et de l’Alphabétisation (MEBA)
- Programme National de Lutte contre le Paludisme (PNLP)
- Institut Supérieur des Sciences de Population (ISSP)
• UFR-SDS /Université de Ouagadougou
• Direction Générale de la Météorologie
• International Network of field sites with continuous Demographic Evaluation of Populations and Their Health (INDEPTH Network)
• Institut National de Recherche en Santé Publique/ Mali
• Université de Heidelberg/ Germany
• IHCAR-Karolinska Institute / Sweden
• Muhimbili University College of Health Sciences- Dar es Salam / Tanzanie
• University of Montréal / Canada
• Institut Universitaire des Etudes pour le Développement de Genève (IUED)/ Swizerland
• Pfizer
• Sanofi aventis

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Maurice Yé*, Eric Diboulo, Louis Niamba, Ali Sié, Boubacar Coulibaly, Cheik Bagagnan, Jonas Dembélé and Heribert Ramroth
INESS Project sensitization team

Nouna HDSS population during a sensitization session