Our Vision Statement

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International Network for the Demographic Evaluation of Populations and Their Health in low- and middle-income countries

Established in 1998
Strategic Plan 2013-2016

Our Vision is...

INDEPTHT will be an (1) international network of demographic research institutions that (2) provides health and demographic data to enable (3) developing countries set health priorities and policies based on the (4) best available evidence and to (5) guide the cost-effective use of tools, interventions and systems to (6) ensure and monitor progress towards national goals.
Why we are here this week:

The contribution of INDEPTH’s HDSS sites to strengthening national health and information systems

Stepping stones to a vital statistics system

Source: Health Metrics Network
Prior to INDEPTH

• HDSS centres operated as disparate research entities in small localities within countries.

• Many of their findings remained unknown in the international health arena.

• INDEPTH Network constituted in 1998
  o a critical mass of HDSS centres is necessary
  o with the ability to conduct research of international importance using comparative and standardised tools.
Currently 48 HDSSs in 20 countries
36 HDSSs in Africa
10 HDSSs in Asia
2 HDSS in Oceania

Over 3,300,000 people under surveillance

New centres...
China, Malaysia, DRC, Zambia, Angola, Madagascar, Gabon, Mali, Sierra Leone, Rwanda.
A Decade of INDEPTH development

• Numerous gaps addressed by INDEPTH research:
  o from unrecorded trends in mortality and cause of death to life-course research

• Standardised survey instruments developed

• Multi-site analyses increasingly use harmonised variables and integrated datasets.
Some Landmark Studies 1/3

• The INDEPTH Effectiveness and Safety Studies of Antimalarials in Africa (INESS) - 7 HDSS centres
  o The first time that this kind of Phase IV study for antimalarials is taking place in Africa under the direction of African researchers.

• Optimising the impact and cost-effectiveness of child health intervention programmes of vaccines and micronutrients in low-income countries (OPTIMUNISE)
  o HDSSs in Asia and Africa
Some Landmark Studies 2/3

• Epilepsy study, 5 countries

Parasites and poor antenatal care are the main causes of epilepsy in sub-Saharan Africa, study reveals

31 January 2013

The largest study of epilepsy in Africa to date reveals that programmes to control parasitic diseases and access to better antenatal care could substantially reduce the prevalence of the disease in this region.

• The INDEPTCH Malaria Clinical Trials Alliance (MCTA) trained personnel and improved facilities and infrastructure for clinical malaria vaccine and therapeutic trials in 10 countries across Africa.
Some Landmark Studies 3/3

• Work on Adult Health and Aging at 8 INDEPTH centres in Asia and Africa led by Agincourt HDSS in South Africa.
  o Field-tested the WHO Global Survey on Adult Health and Global Aging (SAGE).
  o Strengthen empirical understanding of aging and older persons to assess follow-up strategies or test new survey methods.
Centre-specific studies

• Diverse and exciting research portfolios by the individual member centres

• The multi-centre INDEPTH studies succeed only due to strong commitment and increased quality of the member centres

• INDEPTH website provides profiles of these centres (www.indepth-network.org)
INDEPTH’s Scientific Vision

• **Our vision** is to harness the world’s HDSSs and bring empirical understanding to bear on critical persisting and emerging health problems.

• The overall aim of INDEPTH's research is to generate **robust scientific knowledge** that can guide evidence-based health and social policy interventions at local, national and international levels.
Our Research Strategy

- INDEPTH conducts research studies and strengthens global capacity to conduct studies that use the key demographic outcomes measured by HDSS centres:
  - fertility, all-cause and cause-specific mortality, morbidity and mobility.

- Priority is given to:
  - Outcomes that are measured poorly by other data collection systems
  - Answering questions that require research in more than one HDSS.
Research Framework

**RESEARCH AREAS**

1: Epi-demographic transitions
   - producing comparable indicators on levels, trends and transition dynamics

2: Social and economic determinants of health inequalities
   - investigating relationships between poverty, social determinants and health inequality

3: Health and welfare systems
   - investigating implications of epi-demographic change for health and social systems

4: Health across the life course
   - examining social/physical/genetic factors and health, change over the life course, pathways to risk or resilience, intergenerational effects

**INDEPTH Network**

- Better Health Information for Better Health Policy
Structuring the Science

- **Observational work**: denominators, vital events and contextual variables inherent in HDSSs
- **Development of cohorts** (e.g. adult, adolescent or household cohorts)
- **Intervention-research**: including community based trials, and systems and policy evaluations
- **Health and social policy and programmes**: Apply findings to health and development with support to scaling-up
- **Methodological innovation**: verbal autopsy, the linking of population-based and health service data, etc.
Capacity Strengthening and training

- Help **individual centres** to publicise their research and results for greater policy influence.

- At a **multi-centre level**, our workshops train data managers and analysts and help develop the next generation of HDSS professionals.

- And at a **broader network level**, we assist centres in developing regional groups and teams.
Data sharing efforts...

- In July 2013 we launched the world's first online data repository specialising in longitudinal individual exposure

- **INDEPTHStats**, a website
  - freely available
  - allows users to explore basic demographic indicators from our member centres
Africa Centre HDSS, South Africa
The service facility survey catalog provides access to data along with accompanying survey documents from facility level surveys conducted by the World Bank. Service delivery surveys are tools to measure the effectiveness of basic services such as education, health, and water and sanitation. The Africa Centre Demographic Information System (ACDIS) started data collection in January 2000. Read More »

INDEPTHStats
Displaying longitudinal health and demographic indicators from INDEPTH member centres in Africa, Asia and Oceania
INDEPTH launches a data repository and INDEPTHStats

The good, the bad, and the neglected

Public Health Association of South Africa
Represents the interests and promotes greater equity of the public health in South Africa.

INDEPTH Data Repository & INDEPTHStats

International Union for the Scientific Study of Population
INDEPTH Data Repository
The International Network for the Demographic Evaluation of Populations and Their Health (INDEPTH)

INDEPTH Network launches INDEPTH Stats
Thursday 4th July, 2013

INDEPTH Network makes critical health and demographic data available
In Conclusion....

Through our global network, INDEPTH is developing the *requisite information base*,

providing **high quality longitudinal data** about

the lives of people AND how development policies and programmes impact on those lives
Thank you