

The Proposed INDEPTH Strategic Plan

2017-2021

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Executive Director

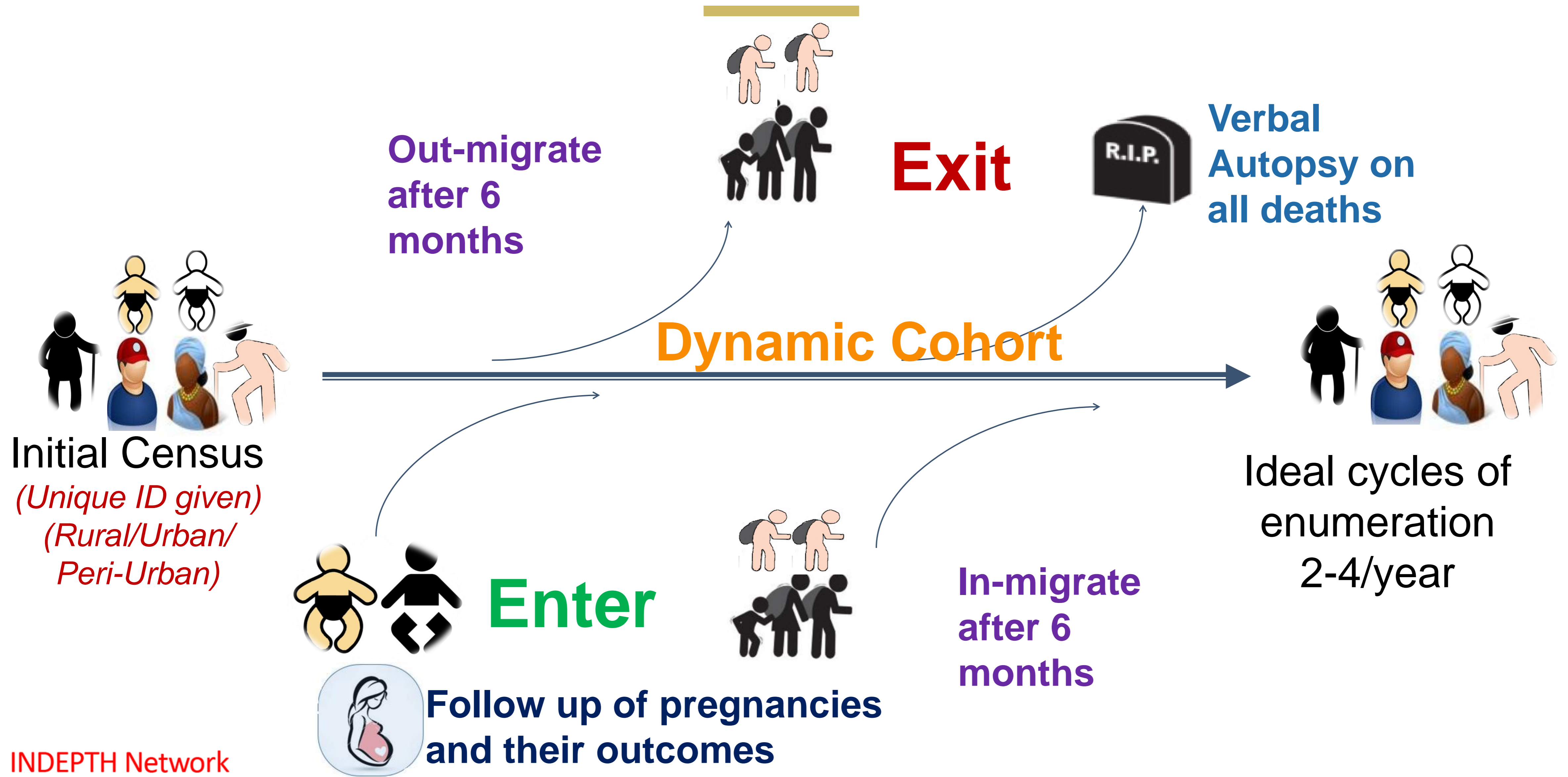
On behalf of the INDEPTH Secretariat Team

OPTIMUNISE Stakeholder Workshop – 26-27 August 2016, Accra, Ghana

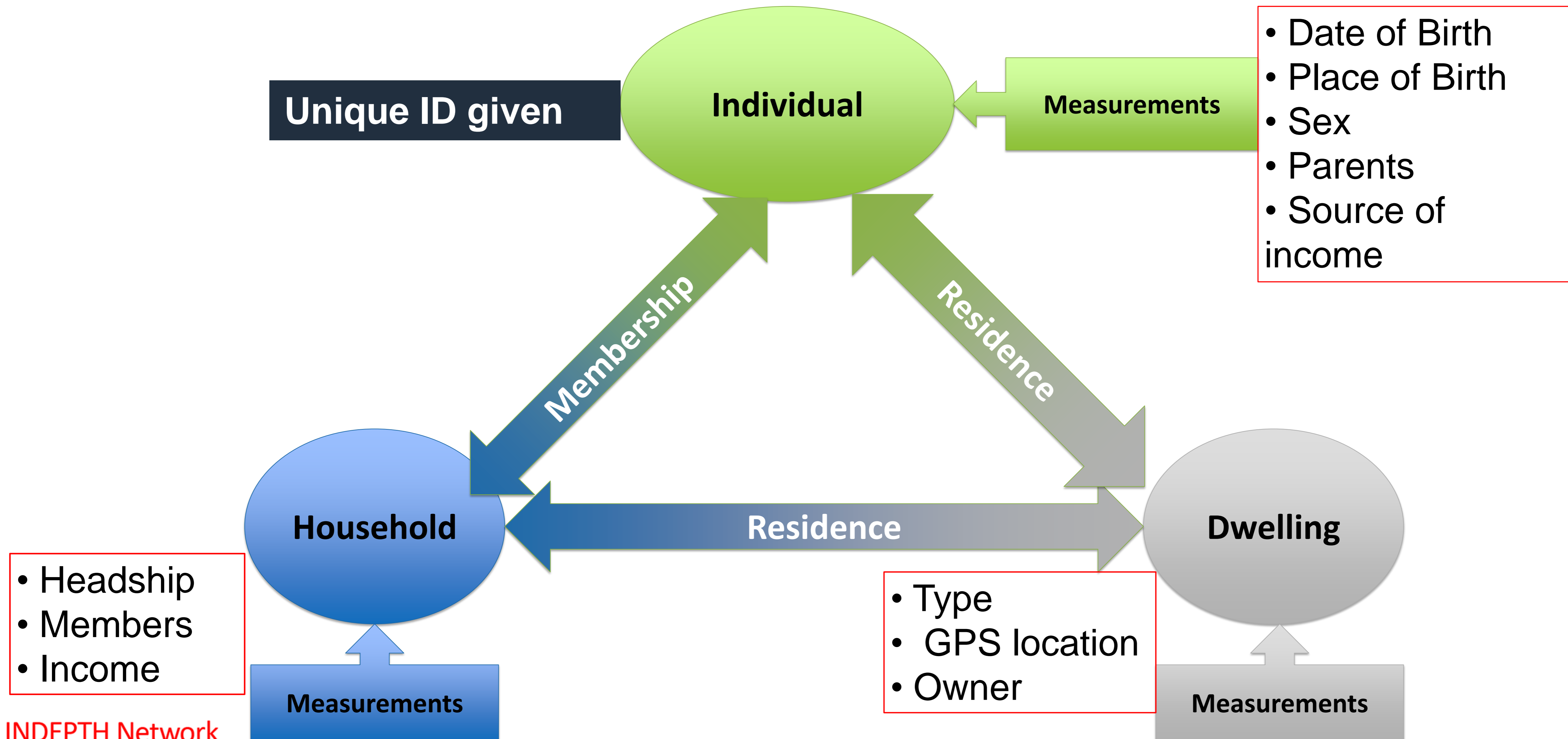


INDEPTH Network

Better Health Information for Better Health Policy



Population Data Structure – HDSS Participants



Key outputs from an HDSS

CORE

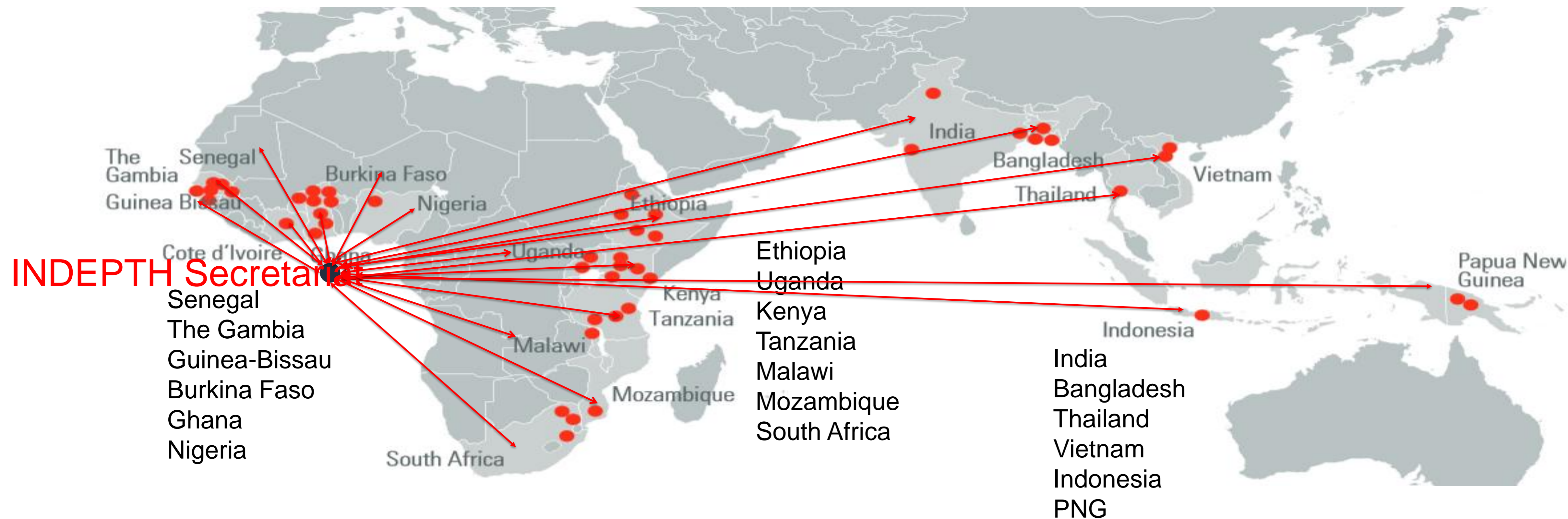
- ✓ All cause mortality rates
- ✓ Cause-specific mortality proportions & rates
- ✓ Life table probabilities
- ✓ Fertility rates
- ✓ Migration rates

ADDITIONAL

- ✓ population characteristics
- ✓ household characteristics, assets, wealth indexing and expenditure
- ✓ health status / disease burdens
- ✓ access, use and impact of health services
- ✓ health seeking behaviours for severe and fatal conditions
- ✓ environmental contexts, risks, exposures
- ✓ household food security
- ✓ impact of poverty reduction strategies
- ✓ impact of health interventions

INDEPTH Member HDSS Sentinel Surveillance Countries

Over 3,500,000 people under continuous surveillance in INDEPTH Network



Through INDEPTH to diverse countries and continents

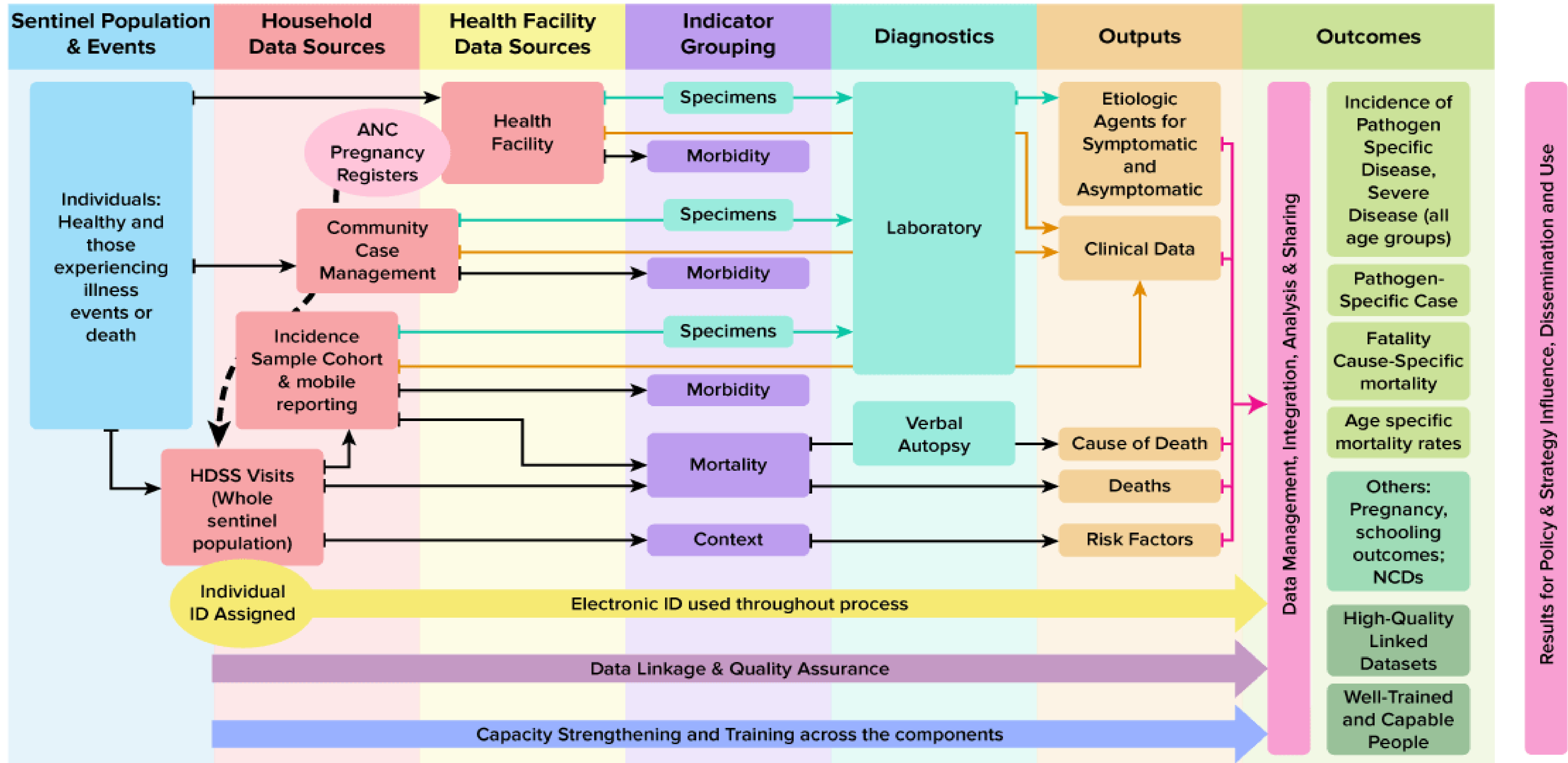
www.indepth-network.org : 1st July 2016 – New datasets on the Repository



INDEPTH Network
Better Health Information for Better Health Policy

INDEPTH extends Core: HDSS+ (= CHESS)

Comprehensive Health and Epidemiological Surveillance System (CHESS)



HDSS

Health and Demographic Surveillance System

*[Sankoh & Byass (2012) *Int. Journal of Epidemiology*]*



CHES

Comprehensive Health and Epidemiological Surveillance System

*[Sankoh et al (2015) *The Lancet Global Health*]*

Vision

2013-2016

INDEPTH is an international network of longitudinal demographic research institutions that provides health and demographic data to enable developing countries set health priorities and policies based on the best available evidence, and to guide the cost-effective use of tools, interventions and systems to ensure and monitor progress towards national goals

2017-2021

**INDEPTH will be
the trusted source
for evidence supporting
health and development**



Mission

2013-2016

To harness the collective potential of the world's community-based longitudinal demographic surveillance initiatives in low and middle income countries to provide a better understanding of health and social issues, and to encourage the application of this understanding to alleviate major health and social problems

2017-2021

To lead a coordinated approach by the world's health and demographic surveillance systems to provide timely longitudinal evidence necessary to understand and improve population, health and development policy and practice

STRATEGIC OBJECTIVES

2013-2016

1. To support and strengthen the ability of INDEPTH member centres to conduct longitudinal health and demographic studies in defined populations.
2. To facilitate the translation of INDEPTH findings to maximise impact on policy and practice.
3. To facilitate and support research capability strengthening relevant to INDEPTH activities.

2017-2021

- 1. Enrich and guide policy that is community responsive:** to generate evidence and facilitate the translation of INDEPTH findings to maximise impact on policy, programme and practice – with a special commitment to community engagement in research and public engagement and its implications for society.
- 2. Enhance INDEPTH's capability:** to stimulate, facilitate and conduct cutting edge multicentre health and demographic research across the Network and ensuring that the research is ethically sound and sensitive to local circumstance
- 3. Strengthen the capacity of member and affiliate centres:** to strengthen the capacity of INDEPTH member centres, researchers to conduct high quality longitudinal health and demographic studies
- 4. Build effective partnerships:** to identify and work with key national and international partners including statistics offices, local government, key health and development ministries and agencies, as well as relevant research and educational institutions



Study Opportunities: 2017 - 2021

A. FOUNDATION

1. Building CHES

- a. Vital health monitoring: pregnancies and outcomes, birth, deaths, migration, cause of death
- b. Linkage to health services
- c. Morbidity/risk (burden of disease)
- d. Diagnostics

B. LIFE COURSE

1. Maternal, newborn and child health:

- a. *Getting stillbirth and early neonatal deaths*
- b. *Monitoring childhood interventions*

2. Sexual reproductive health

- a. *Fertility and family planning*

3. Adolescent risk resilience

- a. *Include demographic dividend*

4. Adult health and aging

5. NCDs and genetic susceptibility

Study Opportunities: 2017 - 2021

3. Leveraging longitudinal platforms

1. Safety effectiveness, resistance and product quality monitoring
2. Communicable diseases
3. Migrant health
4. Health interventions
5. SDG – baseline and dynamics

4. Social determinants and context

1. Climate change
2. Vaccines
3. Health equity and poverty
4. Nutrition, diet and food security
5. Migration urbanisation and health
6. Education
7. Gender issues (beyond sex differentials)
8. Health systems

Study Opportunities: 2017 - 2021

5. Platform Development (extending R & D Infrastructure)

1. Civil Registration and Vital Statistics (CRVS)
2. Data Linkage
3. Sustainable Development Goal (SDG) Indicators
4. Cause of Death Determination and burden of disease – Verbal and social autopsies
5. Data systems:
 - a. OpenHDS
 - b. Midata
 - c. Data VIZ

Number of member HDSSs over the years: **17 in 1998**

2002-2004	2005-2009	2010-2012	2013-2016
1) AFRICA <ul style="list-style-type: none"> • 21 	1) AFRICA <ul style="list-style-type: none"> • 25 	1) AFRICA <ul style="list-style-type: none"> • 34 	1) AFRICA <ul style="list-style-type: none"> • 41
2) ASIA <ul style="list-style-type: none"> • 7 	2) ASIA <ul style="list-style-type: none"> • 10 	2) ASIA <ul style="list-style-type: none"> • 11 	2) ASIA <ul style="list-style-type: none"> • 12
3) OCEANIA <ul style="list-style-type: none"> • 1 	3) OCEANIA <ul style="list-style-type: none"> • 1 	3) OCEANIA <ul style="list-style-type: none"> • 1 	3) OCEANIA <ul style="list-style-type: none"> • 2
4) LATIN AMERICA <ul style="list-style-type: none"> • 1 	4) LATIN AMERICA <ul style="list-style-type: none"> • 1 	4) LATIN AMERICA	4) LATIN AMERICA
TOTAL: 30	TOTAL: 37	TOTAL: 47	TOTAL: 55



INDEPTH Multicentre Projects

2002-2004	2005-2009	2010-2012	2013-2016
<ol style="list-style-type: none"> 1) Mortality Monograph (core) 2) Measuring Health Equity in Small Areas (World Bank/GFHR) 3) Health Equity Phase 2 (World Bank/GFHR) 4) INDEPTH /ACAP Collaboration (Rockefeller) 5) INDEPTH HDSS Starter Kit (IDRC) 	<ol style="list-style-type: none"> 1. HDSSs/Universities collaboration (Hewlett) 2. MCTA (Gates Foundation) 3. Global aging and adult health (SAGE) (NIA/WHO) 4. HIV platform (Rockefeller) 5. Resource Kit (IDRC) 6. Feasibility study for an INDEPTH Data System (Wellcome) 7. INESS (Gates Foundation) 8. Evaluation of reproductive health intervention at INDEPTH sites (Hewlett) 9. Expanding data sharing (Hewlett) 10. Demographic Transitions (IDRC) 11. Partnership of DSS sites and University population centres in Kenya, Ghana and South Africa (Hewlett Foundation) 	<ol style="list-style-type: none"> 1. CLIMIMO (UNESCO) 2. AWI-Gen (NIH) 3. iSHARE2 (Wellcome) 4. INTREC (EU/Umea) 5. IUHC (Rockefeller) 6. IDAMS (EU/Heidelberg) 7. INESS (Gates Foundation) 8. SEEDS (Wellcome) 9. OPTIMUNISE (DANIDA/EU/SSI) 10. Cause of death (WHO/HMN) 11. Data Sharing (Hewlett) 12. MADIMAH (IDRC/core) 13. RealRights (DFID) 14. VA Conf (IHME) 	<ol style="list-style-type: none"> 1. EMBRACE Prep (JICA) 2. MADIMAH (Sida) 3. ABACUS (Wellcome/VW) 4. ENAP (CIFF) 5. IHTAS (Hewlett) 6. CHESS (Sida) 7. INESS-2 (Gates Foundation) 8. Social Autopsy (Core) 9. Adolescent fertility analysis (PopCouncil, Core) 10. Cause of death determination with interVA-4 (core) 11. iHOPE (Gates Foundation) 12. Analysis fully immunized children (FIC) (GAVI) 13. VA Phy Code (ICFI/Macro) 14. OpenHDS (SwissTPH)

Funders Attracted so far...

2002-2004	2005-2009	2010-2012	2013-2016
<p>A. CORE</p> <ol style="list-style-type: none"> 1) Rockefeller Foundation 2) Wellcome Trust 3) Sida <p>B. PROJECTS</p> <ol style="list-style-type: none"> 1) World Bank 2) Volkswagen 3) Gates Foundation 	<p>A. CORE</p> <ol style="list-style-type: none"> 1) Hewlett Foundation 2) Sida 3) Rockefeller Foundation 4) Gates Foundation 5) Wellcome Trust <p>B. PROJECTS</p> <ol style="list-style-type: none"> 1) DFID 2) Rockefeller Foundation 3) Hewlett Foundation 4) Gates Foundation 5) Wellcome Trust 6) WHO/NIA 7) CIDA 8) IDRC 9) IHI (AGM 2008) 	<p>A. CORE</p> <ol style="list-style-type: none"> 1) Sida 2) Hewlett Foundation 3) Wellcome Trust <p>B. PROJECTS</p> <ol style="list-style-type: none"> 1) Rockefeller Foundation 2) Hewlett Foundation 3) Inst of Intern Education 4) UNESCO 5) Wellcome Trust 6) IDRC 7) Danida/SSI 8) SwissTPH 9) IHME 10) European Commission/SSI/Heidelberg/Umea 11) JICA 12) GSK 13) DDCf 14) IDRC Southeast Asia 15) NIH/WITS Consortium 	<p>A. CORE</p> <ol style="list-style-type: none"> 1) Hewlett Foundation 2) Sida 3) Wellcome Trust 4) UCGHR, Umea University <p>B. PROJECTS</p> <ol style="list-style-type: none"> 1) UNESCO 2) ICF Macro Int. 3) Save the Children 4) PopCouncil/USAID 5) GSK 6) GAVI 7) DDCf 8) Gates Foundation 9) Wellcome Trust 10) European Commission/SSI/Heidelberg/Umea 11) IHME 12) CIFF/LSHTM 13) SwissTPH 14) PIK, Potsdam



Total funding raised for the periods

2002-2004	2005-2009	2010-2012	2013-2016
1) CORE <ul style="list-style-type: none"> • \$2,500,000 2) PROJECTS <ul style="list-style-type: none"> • \$2,692,193 	1) CORE <ul style="list-style-type: none"> • \$10,254,804 2) PROJECTS <ul style="list-style-type: none"> • \$50,652,125 	1) CORE <ul style="list-style-type: none"> • \$1,250,000 2) PROJECTS <ul style="list-style-type: none"> • \$4,609,174 	1) CORE <ul style="list-style-type: none"> • \$6,770,880 2) PROJECTS <ul style="list-style-type: none"> • \$5,175,876
Total: \$5,192,193	Total: \$60,906,929	Total: \$5,859,174	Total: \$11,946,756
		Funding periods cross strategic plan periods	

Some Key Achievements - RESEARCH

- | <ul style="list-style-type: none">• Adoption of comparative VA instruments and refinements to the HRS database used by several sites• Enabling trials of Malaria Vaccines and Therapies - Establishment of \$17m MCTA | <ul style="list-style-type: none">• Evaluating Child Health Interventions - start of OPTIMUNISE• Understanding Impact of Aging in LMICs - Survey on adult health and ageing as part of WHO's SAGE | <ul style="list-style-type: none">• Identification of risk factors for epilepsy – largest study to reveal true extent of the problem• Testing Malaria Therapies - INESS (\$36m Grant)• Cause-specific mortality partners published in special supplement of <i>Global Health Action</i> | <ul style="list-style-type: none">• More project grants secured: <i>Universal Health Coverage, Antibiotics Resistance, Newborns</i>• CHES concept developed, funding secured for pilot• INDEPTH work highlighted in top global journals: <i>IJE, The Lancet, Science, Nature, BMJ</i> |
|--|--|---|---|

Key Achievements – Capacity

- HDSS resource kit developed, published and disseminated: modular guide to routine and advanced HDSS operations esp after start up
- Launch the Scientific Development and Leadership Programme – MSc - Wits University partnership: more than 40 students funded

- Developed INDEPTH Data System (IDS) concept to improve generation, capture & retrieval of high quality data
- Comprehensive Network-wide data access and sharing policy finalised, discussed, adopted and published in IJE

- Support to develop OpenHDS (electronic data capture system)

- Launched the world's first online data repository and online visualisation INDEPTHStats (over 66 datasets)

International Partners Attracted

- Heidelberg University
- London School of Hygiene and Tropical Medicine
- University of Sussex

Excludes

- **Host institutions of HDSSs**
- **Institutions of our SAC members**

- University of Pennsylvania
- Centers for Disease Control, Atlanta (CDC)
- WHO/TDR/AFRO
- PATH Malaria Vaccine Initiative (MVI)
- Medicines for Malaria Venture (MMV)
- African Medical Research Foundation (AMREF)
- Council on Health Research for Development (COHRED)

- University of Umeå, Sweden
- EARSS/ReAct (Netherlands)
- Global Campaign for Microbicides/PATH
- UNESCO
- ACAP
- Statistics South Africa (Stats SA)
- Swiss TPH
- Harvard Center for Population and Development Studies
- CARTA
- IHME

- University of Southampton, UK
- South African Medical Research Council
- PopCouncil, US
- Stanford University
- Hamburg University
- University of Ghana (SPH/RIPS)
- University of Health and Allied Sciences, Ho, Ghana
- ETHZ, Switzerland
- Kings College London
- UNECA
- Njala University, Sierra Leone
- MRC, Sierra Leone

Signing an MOU is necessary...

A BIG THANK YOU

www.indepth-network.org