



Mary-Ann Davies and Matthias Egger on behalf of the leDEA-SA Collaboration

www.iedea-sa.org



National Institute of Allergy and Infectious Diseases (NIAID)



Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)



Session Overview

1. Introduction and overview of leDEA-Southern Africa
- Mary-Ann Davies
2. Life expectancy in ART-treated adult patients
- Leigh Johnson
3. Studies at the Centre for Infectious Diseases Research in Zambia (CIDRZ)
- Carolyn Bolton
4. Modeling for Clinical Decision Making: two examples
- Nello Blaser
5. Virological response in children treated with ABC-based compared to d4T-based ART
- Karl Technau
6. Cancer studies within the leDEA-SA cohort
- Mazvita Sengayi

What is IeDEA-Southern Africa

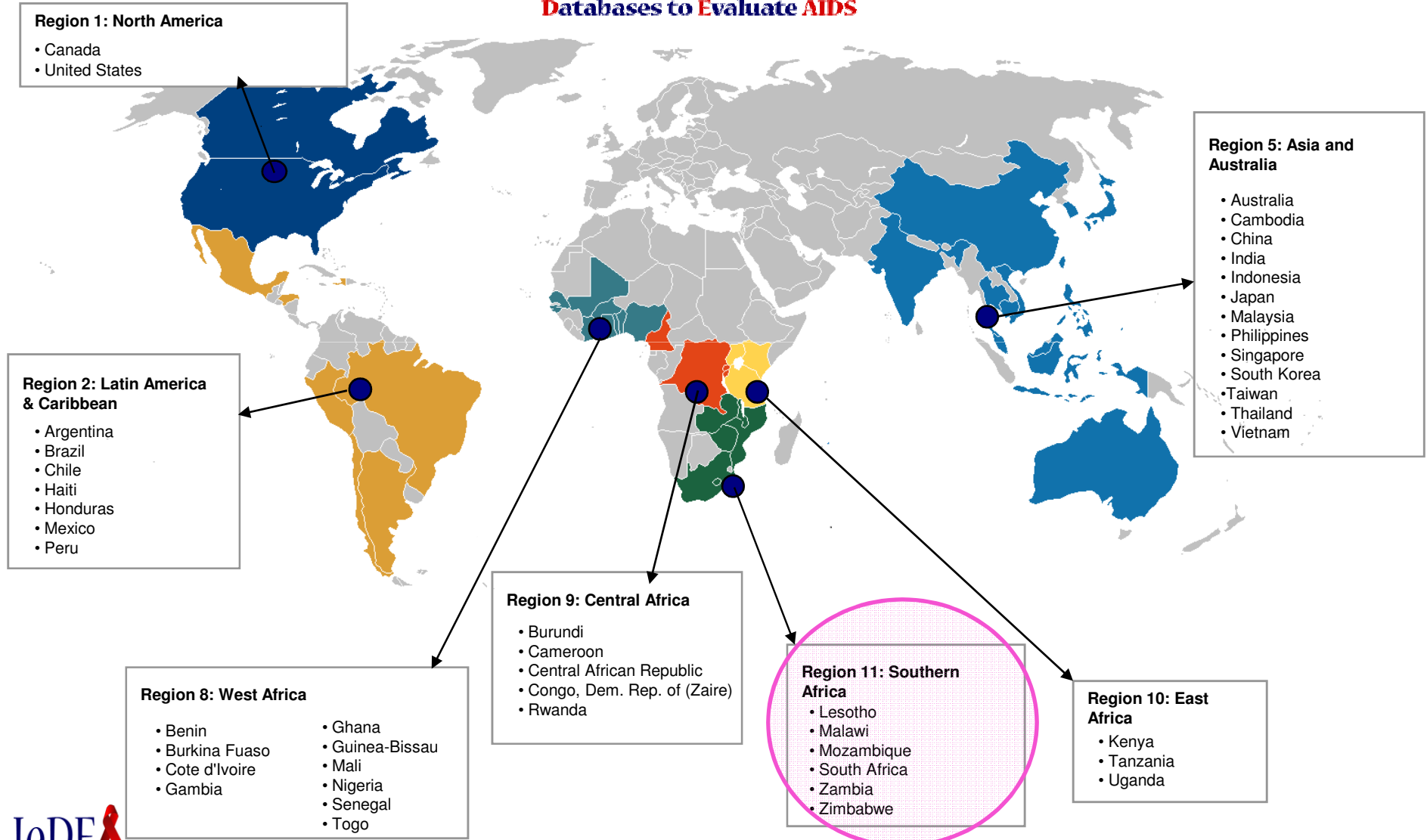
- International epidemiologic databases to evaluate AIDS
- Regional collaboration of HIV cohorts that identifies and pursues research relevant to the region that can't be addressed in a single cohort
- Data centres
 - University of Cape Town, South Africa
 - University of Bern, Switzerland
- Together with 6 other regions – contribute to the global IeDEA collaboration (www.iedea.org)

Global leDEA collaboration

- leDEA funded by NIAID since 2006 to establish regional data centers in order to:
 - collect and harmonize data and create an international consortium to address unique and evolving research questions in HIV/AIDS clinical care and epidemiology that are currently unanswerable by single cohorts.
 - establish and implement methodology to effectively pool the high quality data collected during clinical care.

IeDE

**International epidemiologic
Databases to Evaluate AIDS**



- Urban ART site
- Rural ART site

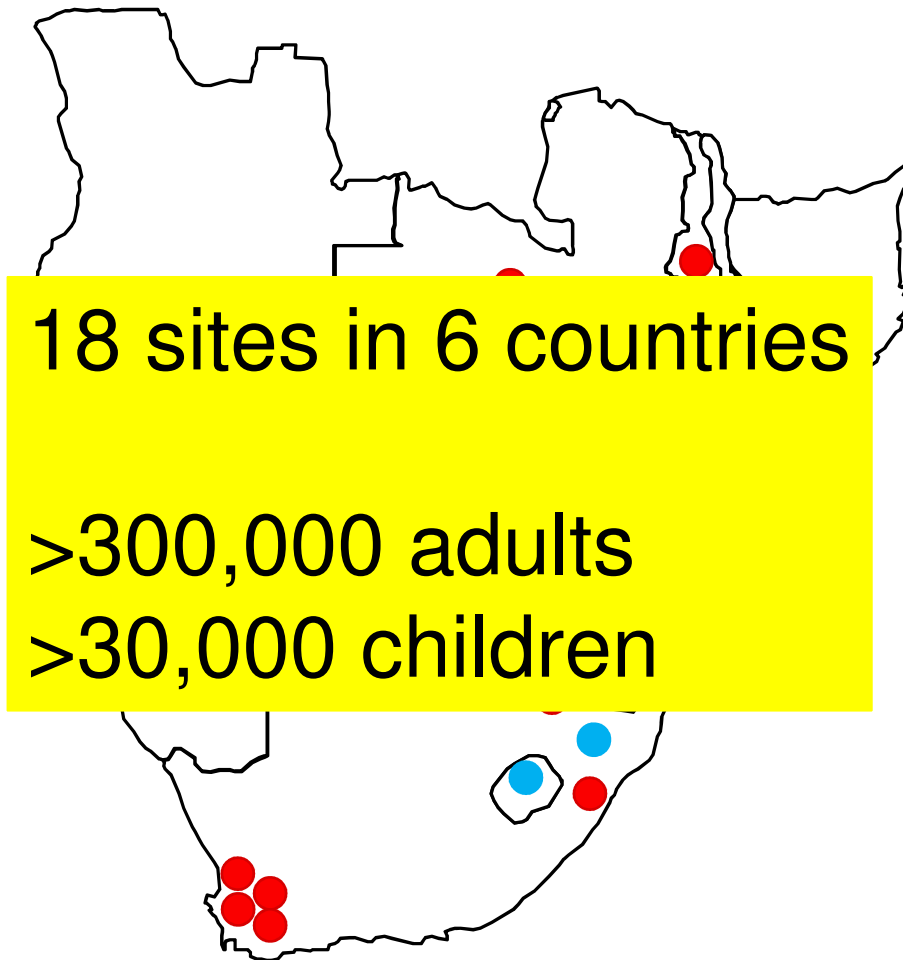


Figure: Map of leDEA sites

Lesotho

[SolidarMed, Lesotho](#)

Malawi

Lighthouse clinic, Lilongwe

Queen Elizabeth Central Hospital, Blantyre

Mozambique

[SolidarMed, Mozambique](#)

CISM, Manhica

South Africa

Aurum Institute, Johannesburg

Thambalethu Clinic Cohort, Johannesburg

Khayelitsha ART program, Cape Town

Red Cross Children's Hospital, Cape Town

Tygerberg Hospital, Stellenbosch

Gugulethu ART program, Cape Town

McCord Hospital, Durban

Harriet Shezi, Soweto

Rahima Moosa, Johannesburg

[Hlabisa HIV Treatment Program, Hlabisa](#)

Zimbabwe

Newlands Clinic, Harare

[SolidarMed, Zimbabwe](#)

Zambia

CIDRZ, clinics countrywide

Affiliated Investigators

Benjamin Chi: Centre for Infectious Disease Research in Zambia; **Sam Phiri**: Lighthouse Trust Clinic; **Joep van Oosterhout**: Queen Elizabeth Hospital; **Cleophas Chimbetete**: Newlands Clinic; **Christiane Fritz**: SolidarMed Zimbabwe; **Sabrina Pestilli**: SolidarMed Mozambique; **Denise Naniche**: Centro de Investigaçao em Saude de Manhiça; **James Ndirangu**: Africa Centre for Health & Population Studies; **Christopher Hoffmann**: Aurum Institute for Health Research; **Robin Wood**: Gugulethu & Masiphumelele clinics; **Kathryn Stinson**: Khayelitsha ART Programme/Médecins sans Frontières; **Janet Giddy**: McCord Hospital; **Brian Eley**: Red Cross Children's Hospital; **Matt Fox**: Themba Lethu Clinic; **Hans Prozesky**: Tygerberg Academic Hospital; **Karl Technau**: Rahima Moosa Mother and Child Hospital; **Harry Moultrie**: Harriet Shezi Clinic; SolidarMed Lesotho




Data Centres

Marie Baliff, Julia Bohlius, Nello Blaser, Andrew Boule, Lucy Campbell, Morna Cornell, Janne Estill, Béatrice Fatzer, Lukas Fenner, Claire Graber, Andreas Haas, Leigh Johnson, Fritz Kaeser, Leatitia Kampiire, Olivia Keiser, Nicola Maxwell, Erna Morden, Landon Myer, Luisa Salazar, Franziska Schoeni-Affolter, Michael Schomaker, Gilles Wandeler

Specific Aims for leDEA Southern Africa

1. To collate and analyse data related to the delivery of ART in children and adults, with a focus on long-term program effectiveness and outcomes.
2. To describe the long-term and temporal trends in regimen durability and tolerability and examine ART monitoring strategies.
3. To describe important co-morbidities and co-infections of HIV infection, with a focus on tuberculosis and cancer.
4. To explore the interface between ART and pregnancy, focusing on pregnant women on ART and cohorts of exposed infants.

With many thanks to...

- Patients, caregivers, staff and site investigators from all leDEA-SA sites.
- NIAID,  NICHD  and NCI 

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