



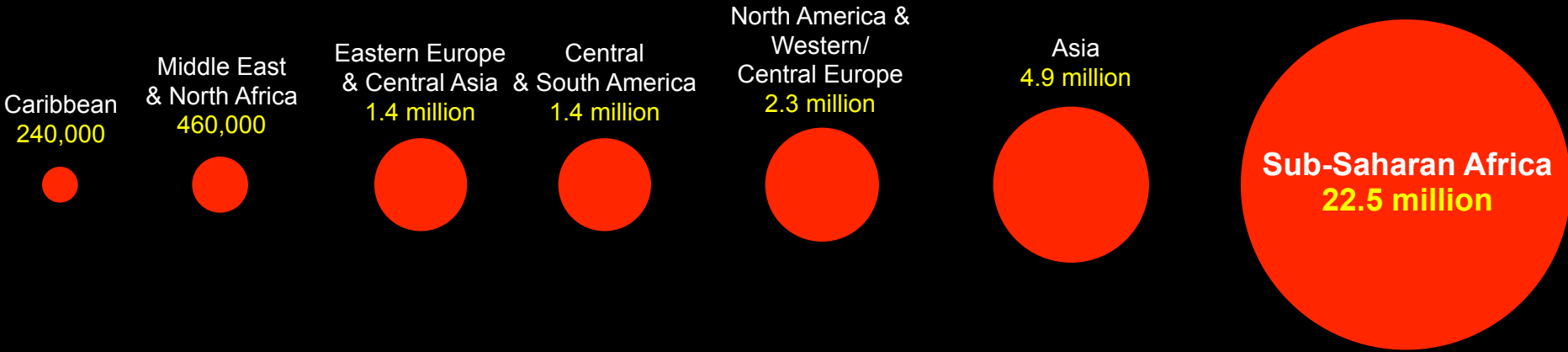
Women at the Crossroads: HIV, Reproductive Health, Maternal Mortality and Child Health

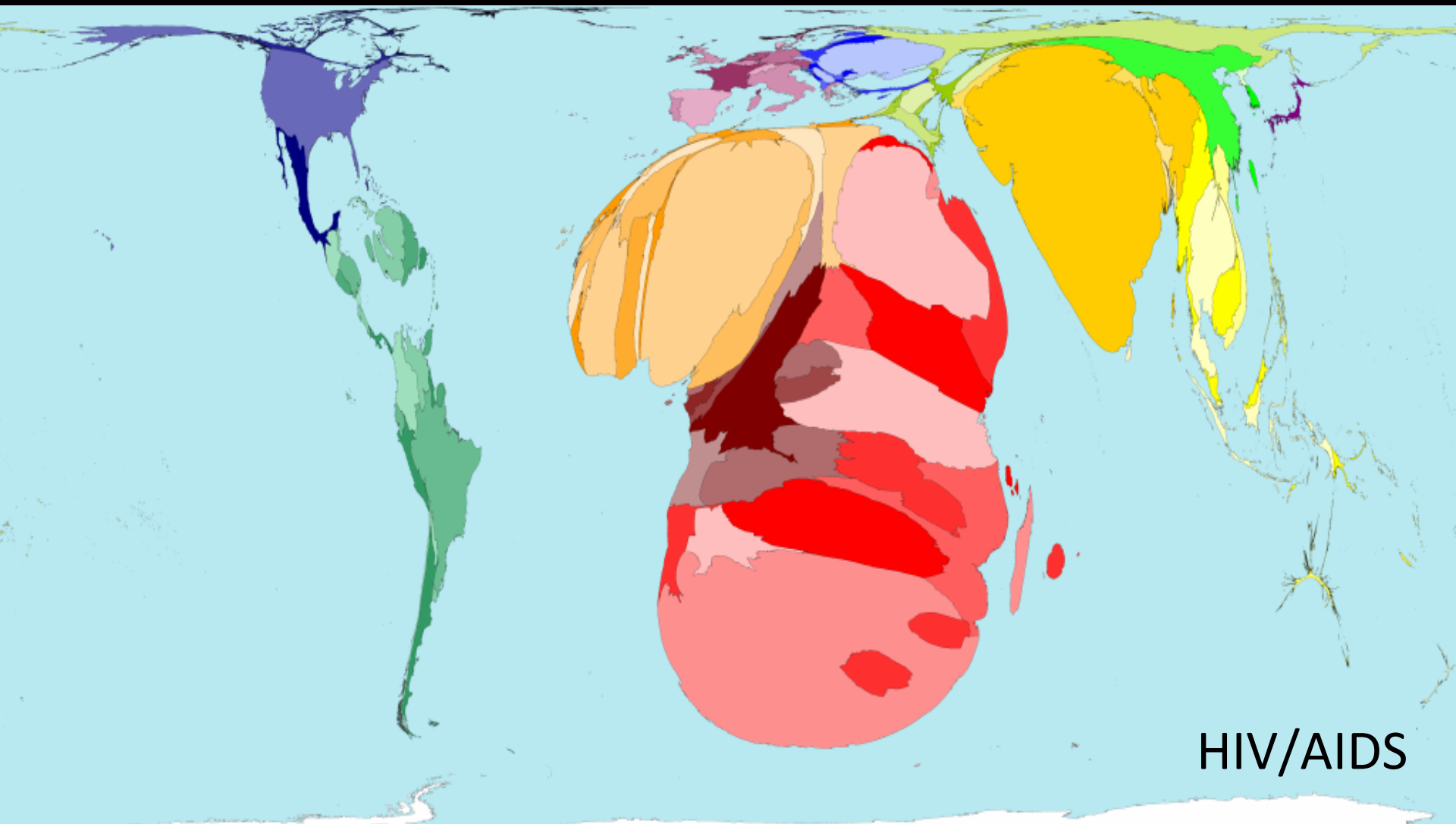


Wafaa El-Sadr, MD, MPH, MPA
Columbia University







Outline

- Challenge of HIV
- HIV Response
- Lessons Learned
- Maternal and Child Health
- Conclusions





HIV Disease Motivates Challenge to Usual Paradigms

Characteristics of HIV Disease	Systems Required
 Impact throughout lifecycle	Programs for adults (including pregnant women and children)
 Asymptomatic periods, acute illness, chronic symptoms	Chronic disease model (health maintenance, continuity care, linkage within and between facilities)
 Multiplicity of clinical & psychosocial needs, stigma	Multidisciplinary teams, community linkages
 Importance of adherence & retention	Outreach & tracking, community engagement, provide-patient relationship
 Need for clinical & laboratory monitoring, secure supply of drugs	Infrastructure enhancements, laboratory facilities, procurement systems
 Transmissible infection	Prevention methods, counseling

A health system in crisis



Supporting training



Training and pharmacists



Training of multidisciplinary teams

Mentorship



Supporting task shifting and task sharing



Pediatrics nurse providing services



Nurse providing antenatal care --

Peer Educators supporting prevention and care



Peer educators assisting in programmatic design and implementation



Peer-led education of patients and families

Enabling provision of comprehensive care



Clinical care



Adherence counseling

Continuity care



Medical Records, Appointment Systems, Databases

Laboratory & Drug Procurement Systems



Transport of Specimens



Equipping laboratories
Training and Mentorship

Community Support and Governance

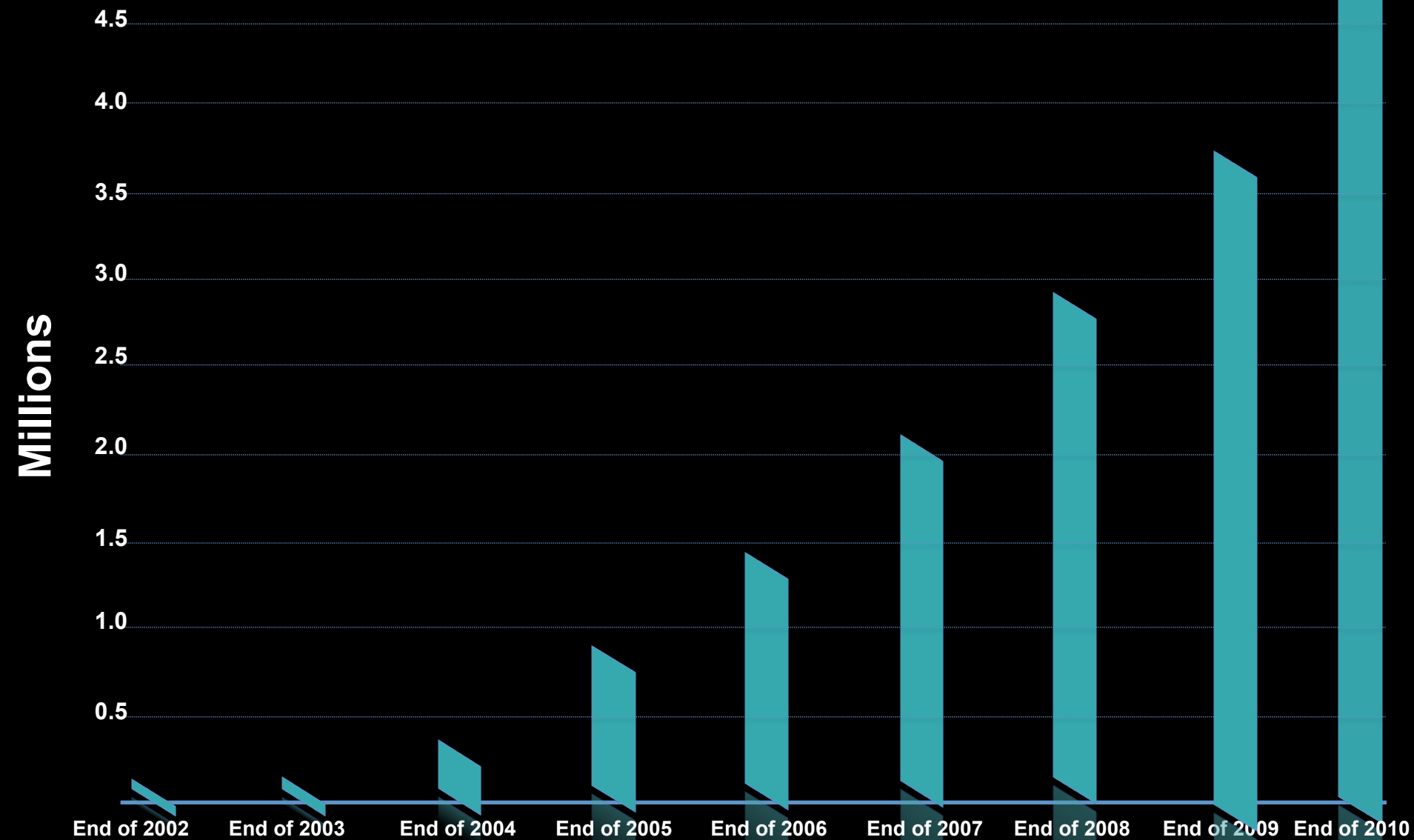


Engagement of Community Leaders

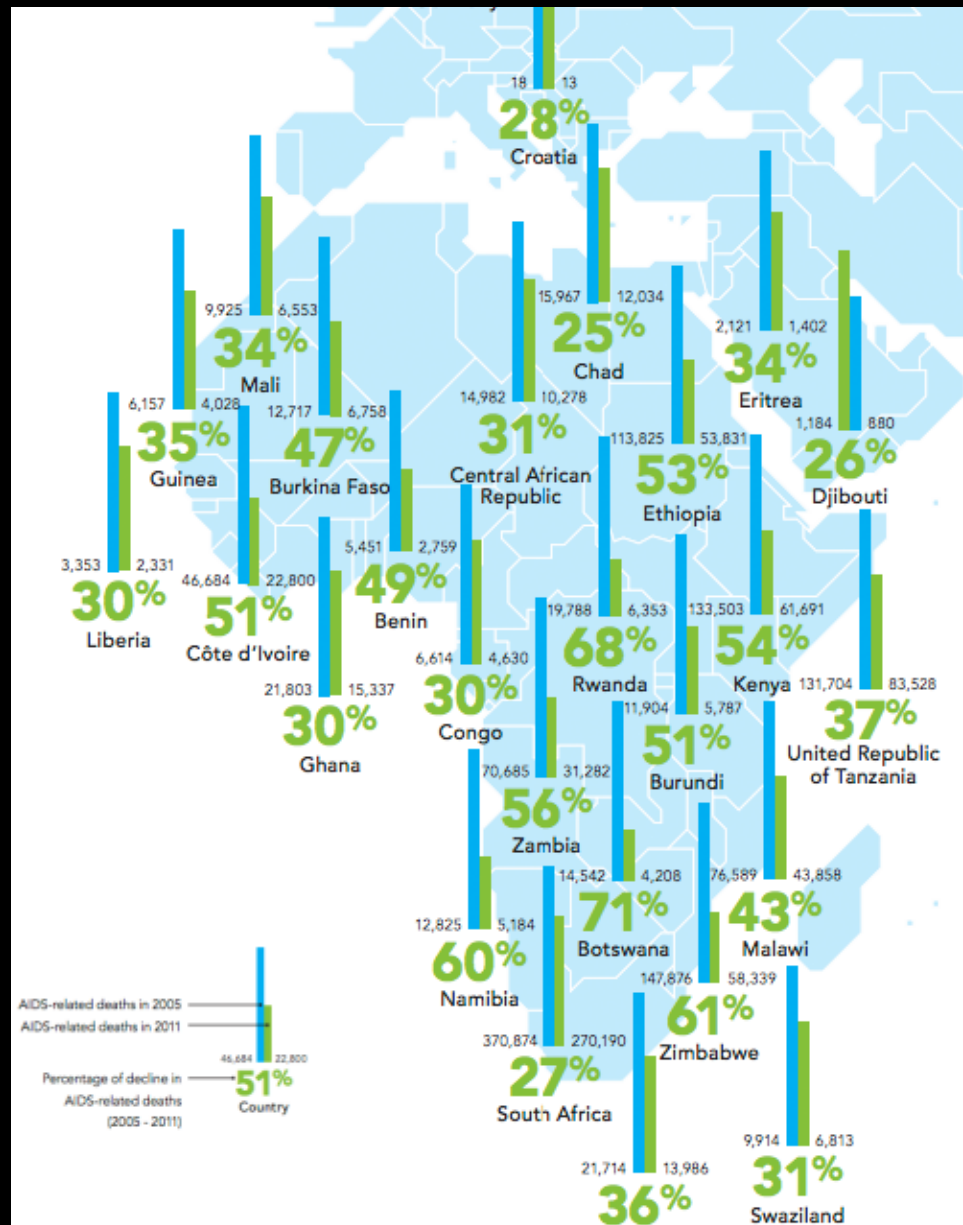


Solicit Community Input

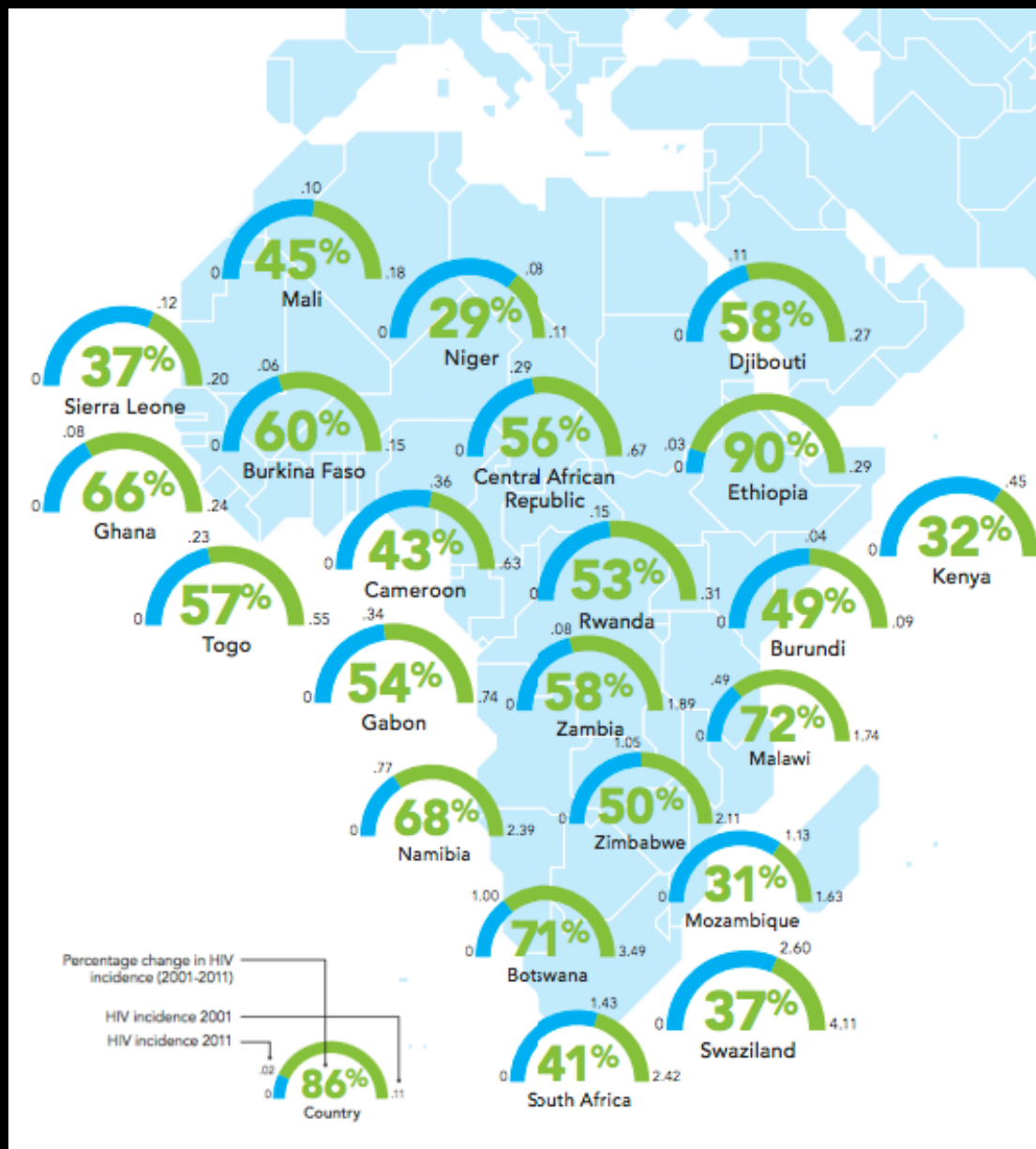
Global Scale-Up of HIV Treatment



Percent Decline in AIDS Deaths



Percent Change in HIV Incidence



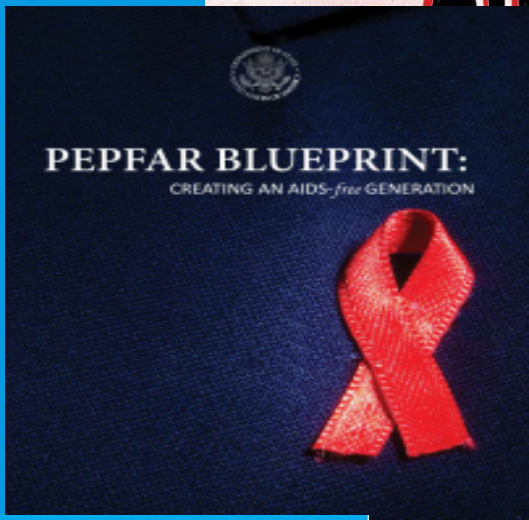
THE AIDS FREE GENERATION IS DUE IN 2015

Logos integrated into the text: Nike, Bugaboo, Dell, Converse, GAP, Apple, Starbucks, and a Penguin.

Born in
2015
Born without AIDS



**TOGETHER
WE WILL
END AIDS.**




**UNITE FOR CHILDREN
UNITE AGAINST AIDS**



GETTING TO ZERO

- ZERO** NEW HIV INFECTIONS
- ZERO** DISCRIMINATION
- ZERO** AIDS RELATED DEATHS

**GETTING TO
ZERO**



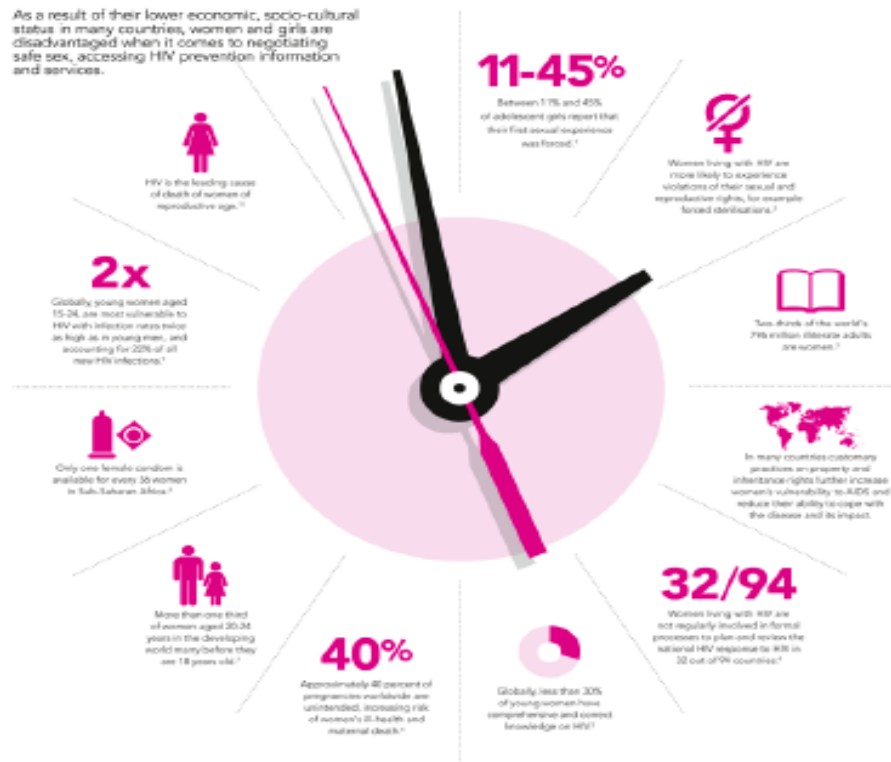
Women and HIV

- 58% of adults living with HIV in Africa are women
- In sub Saharan Africa, 3.1% of young women aged 15-24 years are living with HIV (compared to 1.3% of young men)



Every minute, a young woman is newly infected with HIV.

As a result of their lower economic, socio-cultural status in many countries, women and girls are disadvantaged when it comes to negotiating safe sex, accessing HIV prevention information and services.



UNAIDS

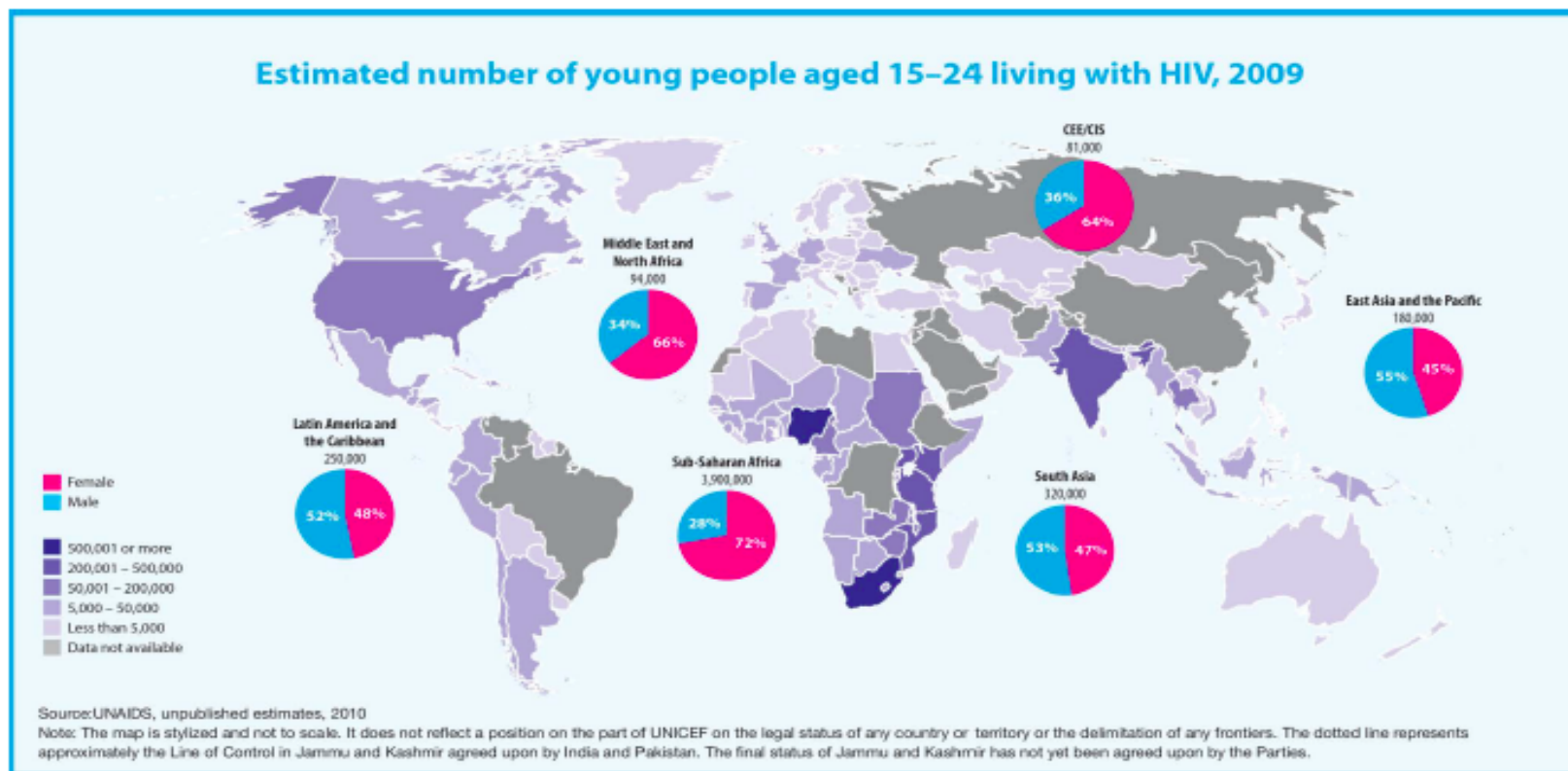
1. UNAIDS World AIDS Day report 2011
2. Gender inequality (UNAIDS, 2011)
3. Youth Unemployment (ILO, 2010)
4. Gender inequality (UNAIDS, 2011)
5. UNAIDS Report on the Global AIDS Epidemic 2010

6. Singh et al., Addressing the Unmet Needs of Young Women: A Study Planning, Implementing and Evaluating a New Safe Condom Distribution, 2009
7. UNAIDS, The State of the World's Children 2010, Adolescents: An agenda for action, New York, 2010
8. UNAIDS Multi-Faceted Comprehensive Condom Programming - July 2010

9. UNAIDS World AIDS Day report 2011
10. UNAIDS Report on the Global AIDS Epidemic 2010

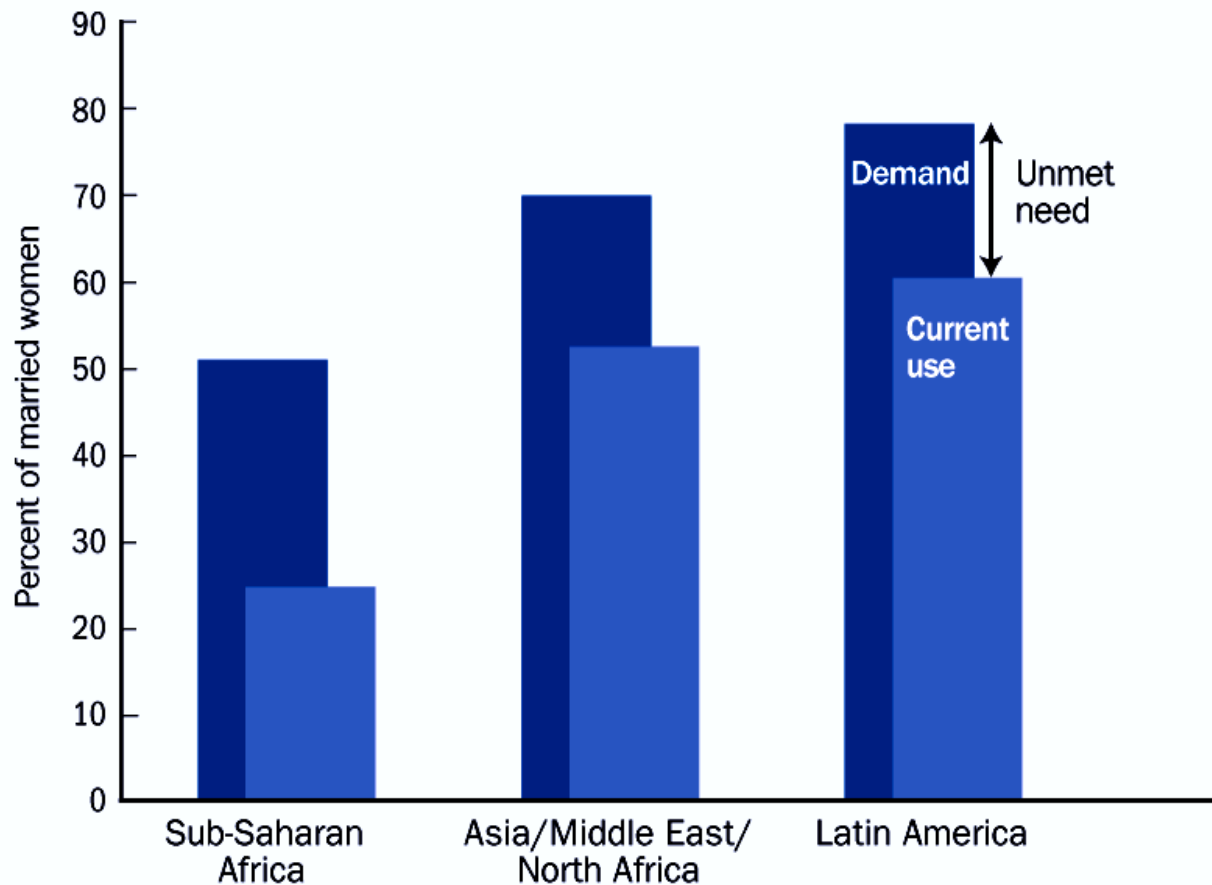
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3.9 million young people in Sub-Saharan Africa
aged 15 – 24 years are living with HIV.
Three-quarters are young women

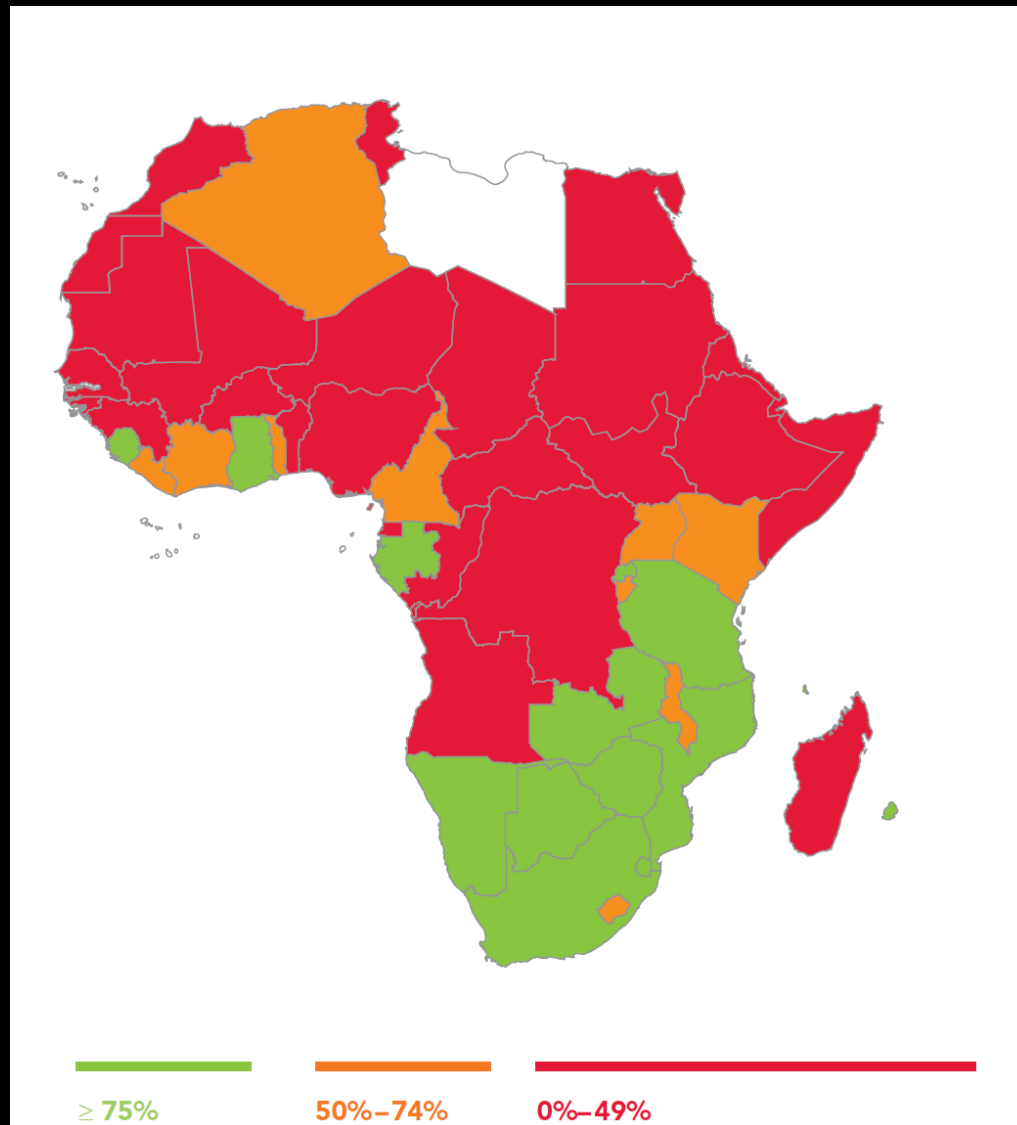


Note: Global summary in title from UNAIDS, *Together We Will End AIDS*, 2012

Demand and Current Use of Contraception



Percent of Pregnant Women Who Received ART for PMTCT



Percent of Pregnant HIV-infected Women who Receive ART for PMTCT

≥ 75%

Botswana
Ghana
Gambia
Gabon
Mauritius
Mozambique
Namibia
Rwanda
São Tomé and
Príncipe
Seychelles
Sierra Leone
South Africa
Swaziland
United Republic
of Tanzania
Zambia
Zimbabwe

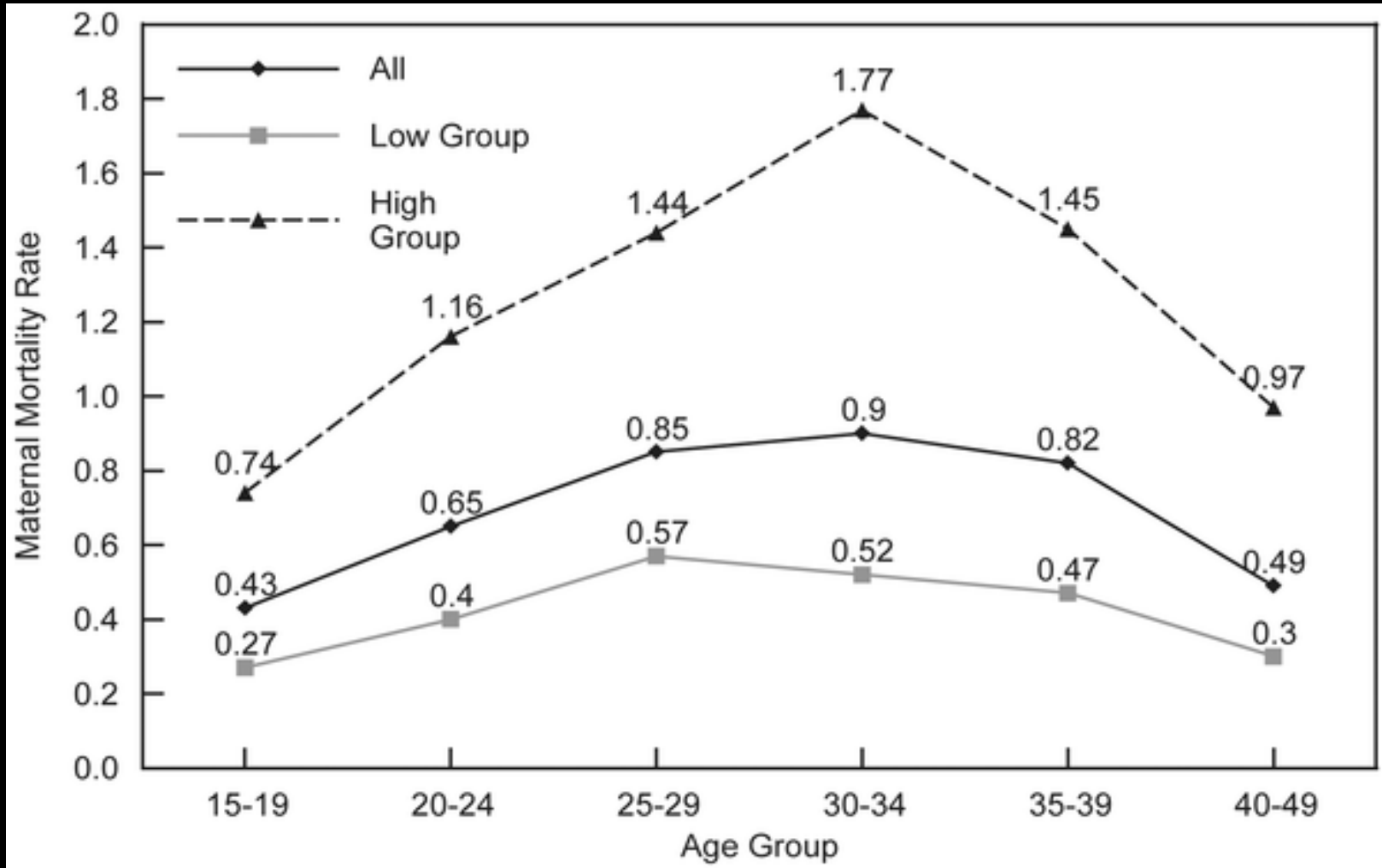
50%–74%

Algeria
Burundi
Cameroon
Cape Verde
Côte d'Ivoire
Kenya
Lesotho
Liberia
Malawi
Togo
Uganda

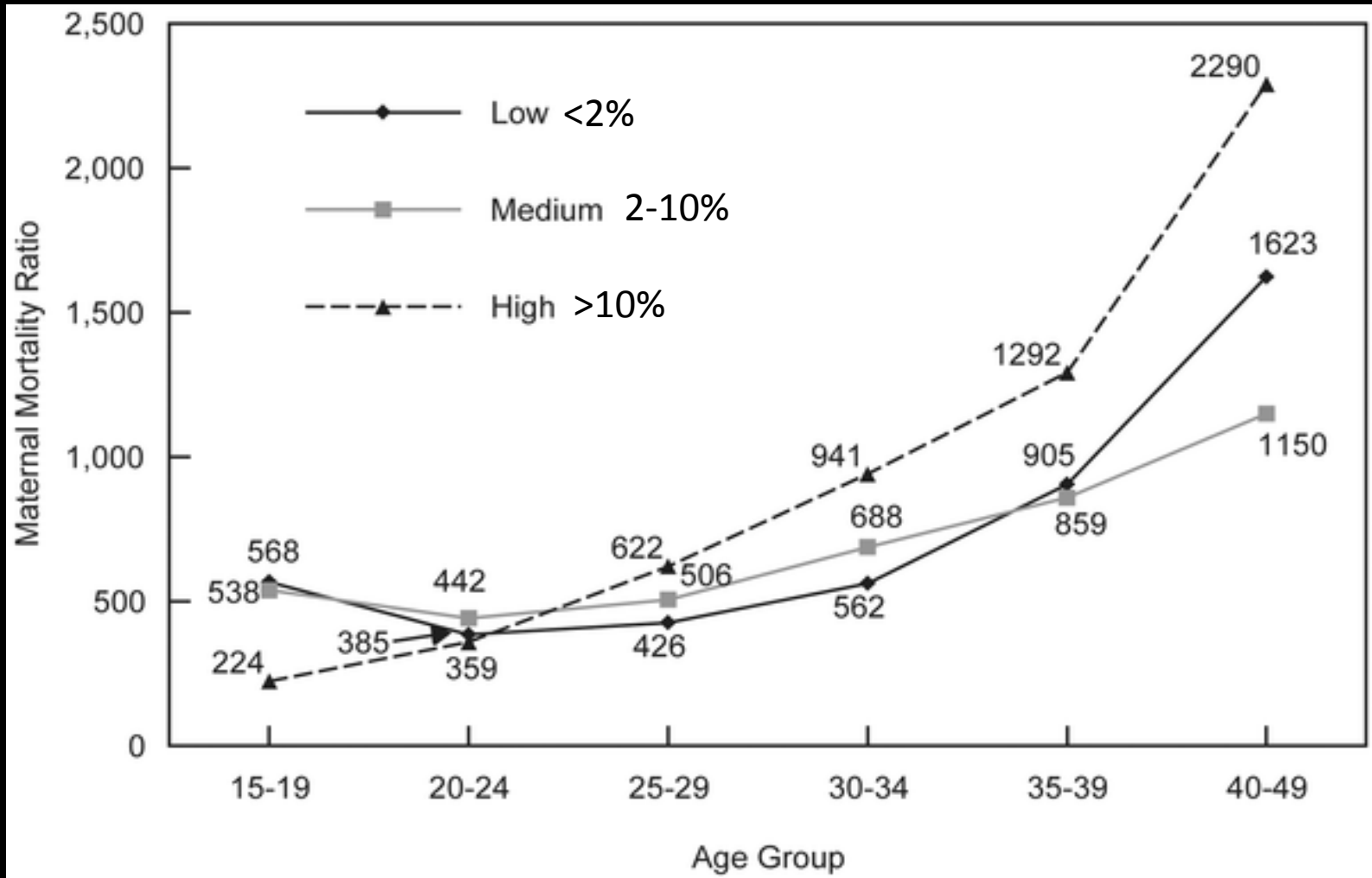
0%–49%

Angola
Benin
Burkina Faso
Central African
Republic
Chad
Congo
Democratic
Republic of Congo
Djibouti
Egypt
Equatorial Guinea
Eritrea
Ethiopi
Guinea Bissau
Guinea
Madagascar
Mali
Mauritania
Morocco
Nigeria
Niger
Senegal
Somalia
South Sudan
Sudan
Tunisia

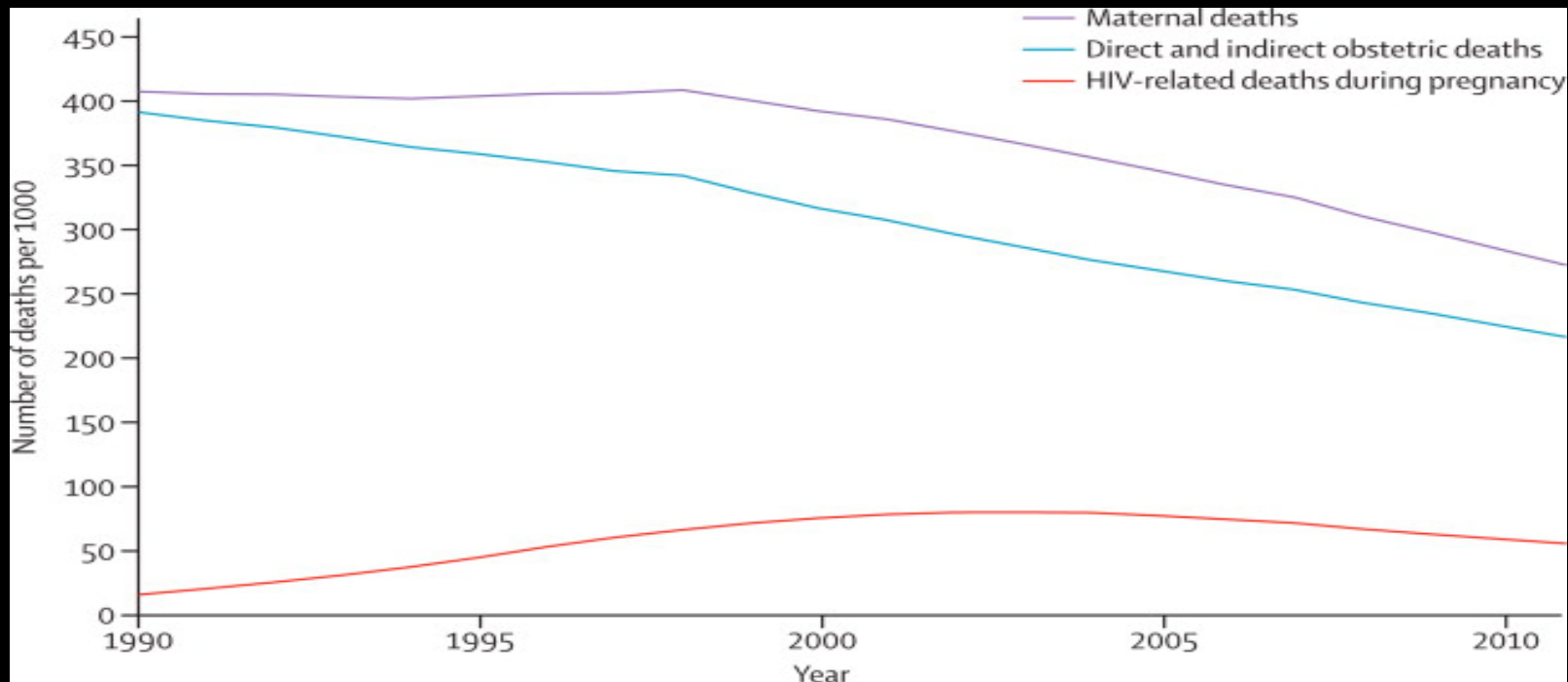
Maternal Mortality Rates, All Countries and Low and High MMR Groups



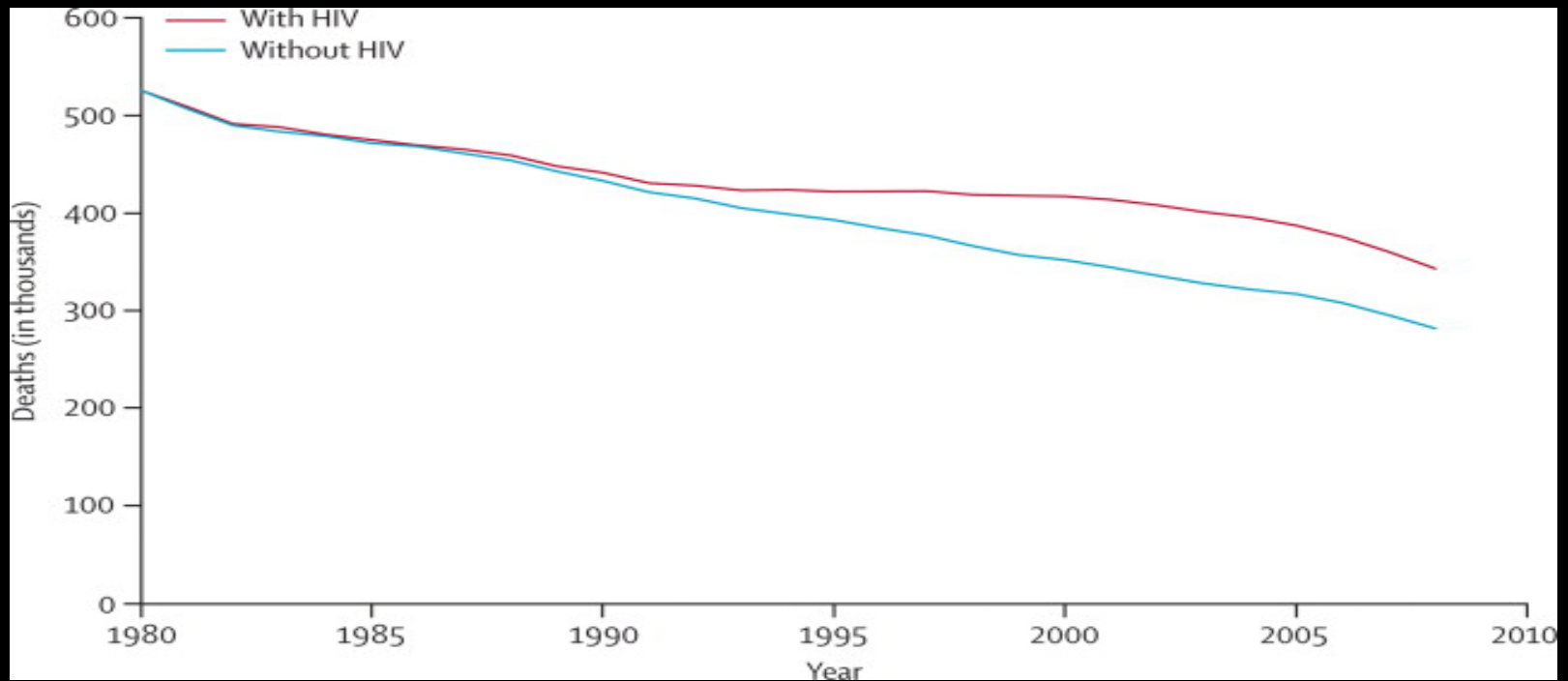
Maternal mortality ratios, sub-Saharan African countries by HIV prevalence.



Maternal Deaths

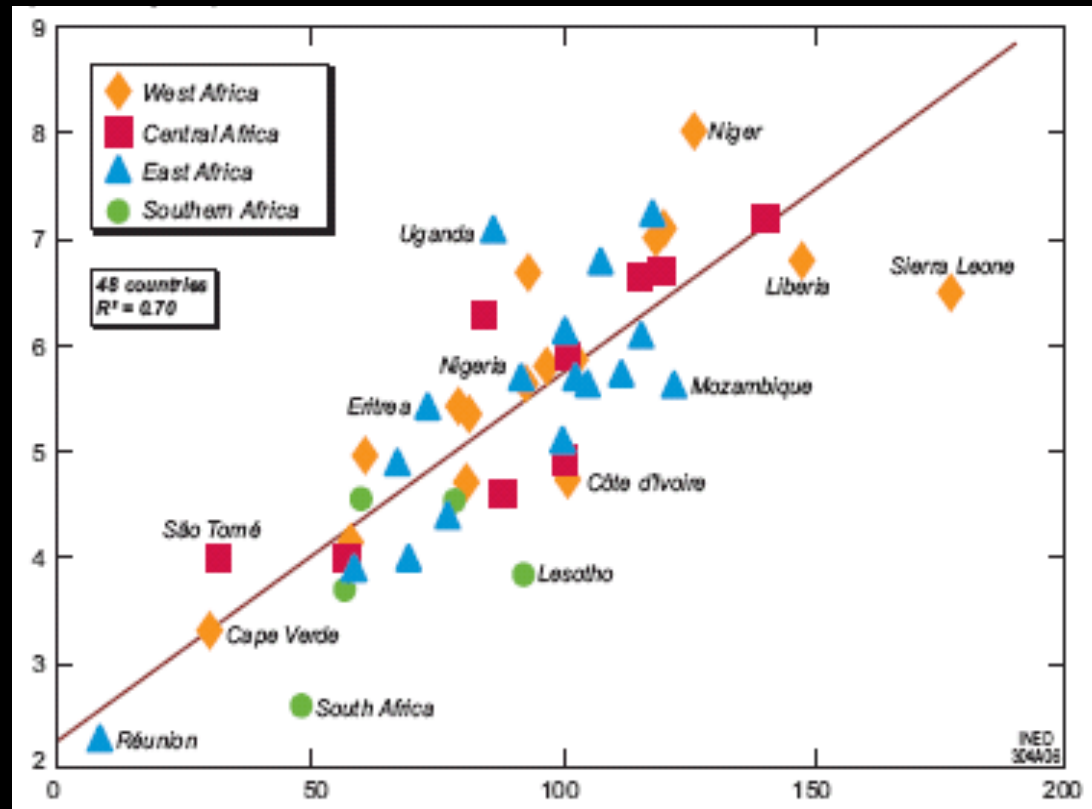


Global Maternal Deaths 1980-2008



Fertility and Infant Mortality Sub Saharan Africa 2000-2004

Average Number of children/woman



Infant Mortality Rate 2000-2004 (%)

Africa

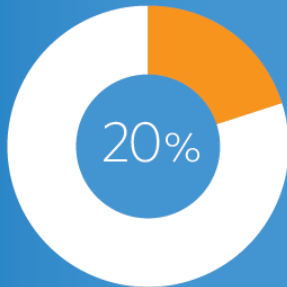
Maternal death ratio:

500

for every 100,000 live births

120

of every 1,000 births are
among adolescents between
the ages of 15 and 19



of married women between the
ages of 15 and 49 use a modern
method of contraception



53
million

women between the ages of
15 and 49 have an unmet need
for modern contraceptives

Average number of
children per woman:

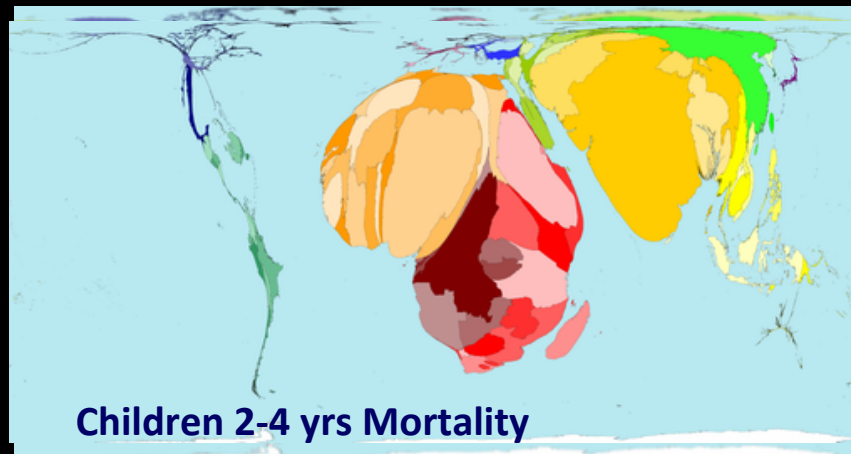
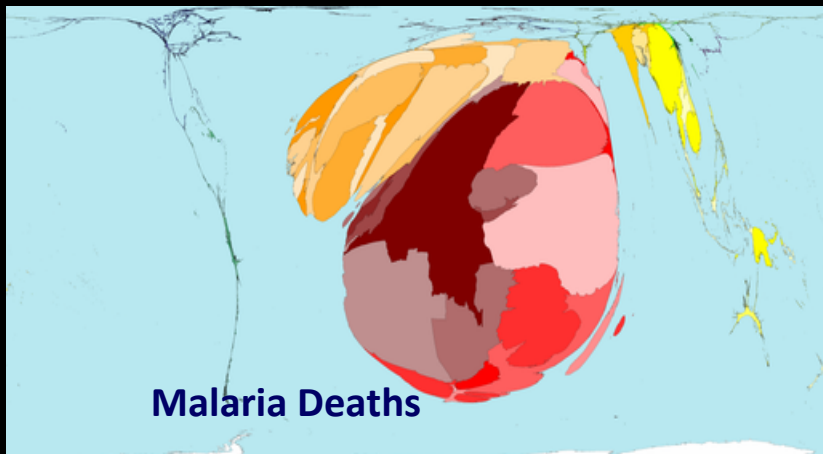
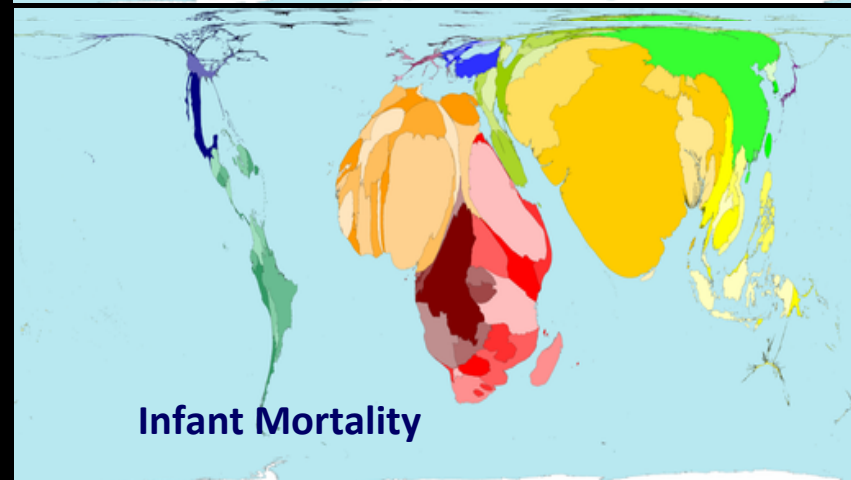
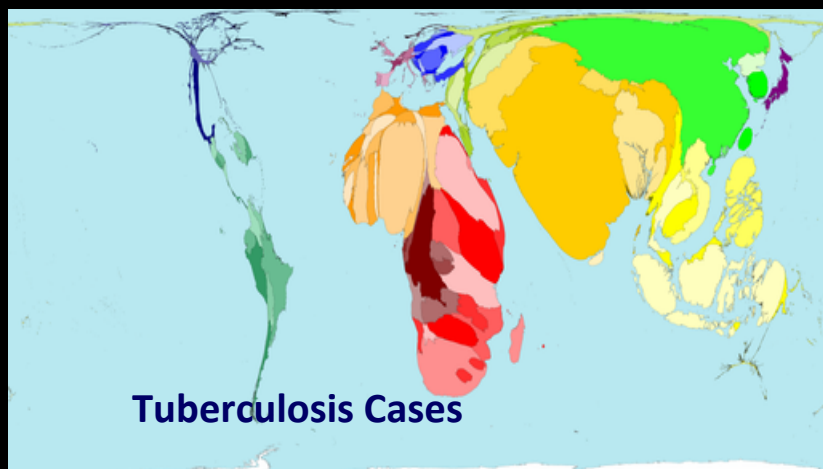
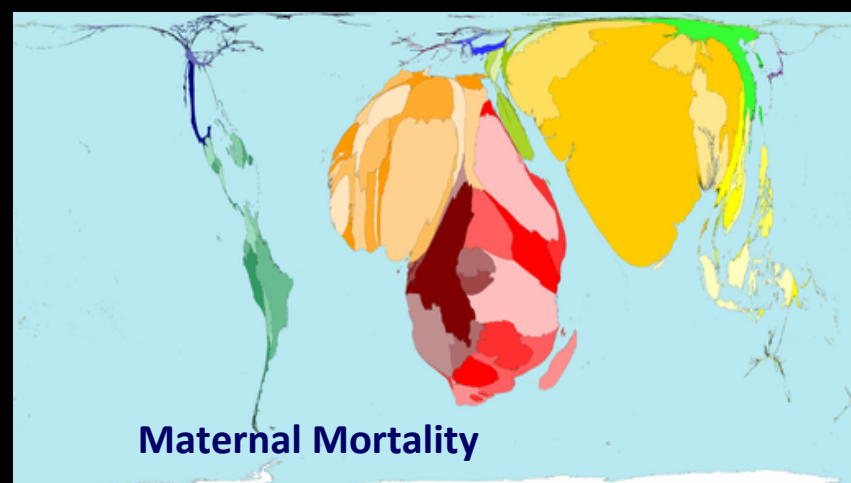
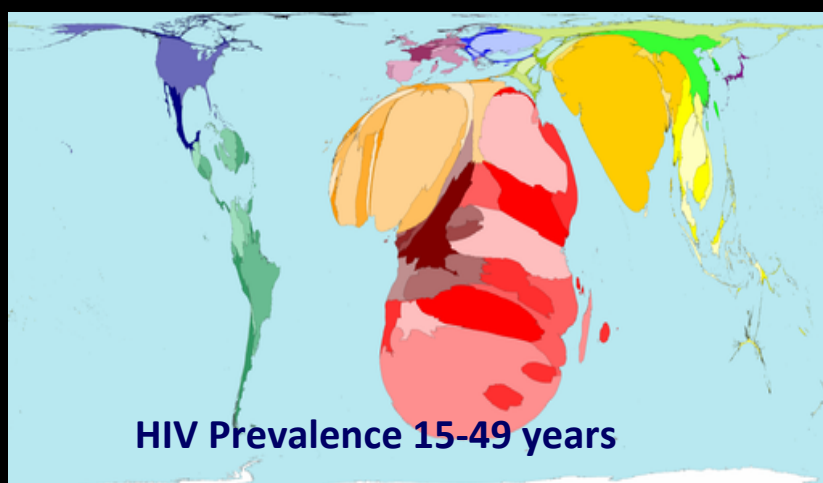
5




Median age of the population:

18.6 years







Lessons
Learned

New Paradigms

Beyond episodic care



to engaging patients in lifelong care



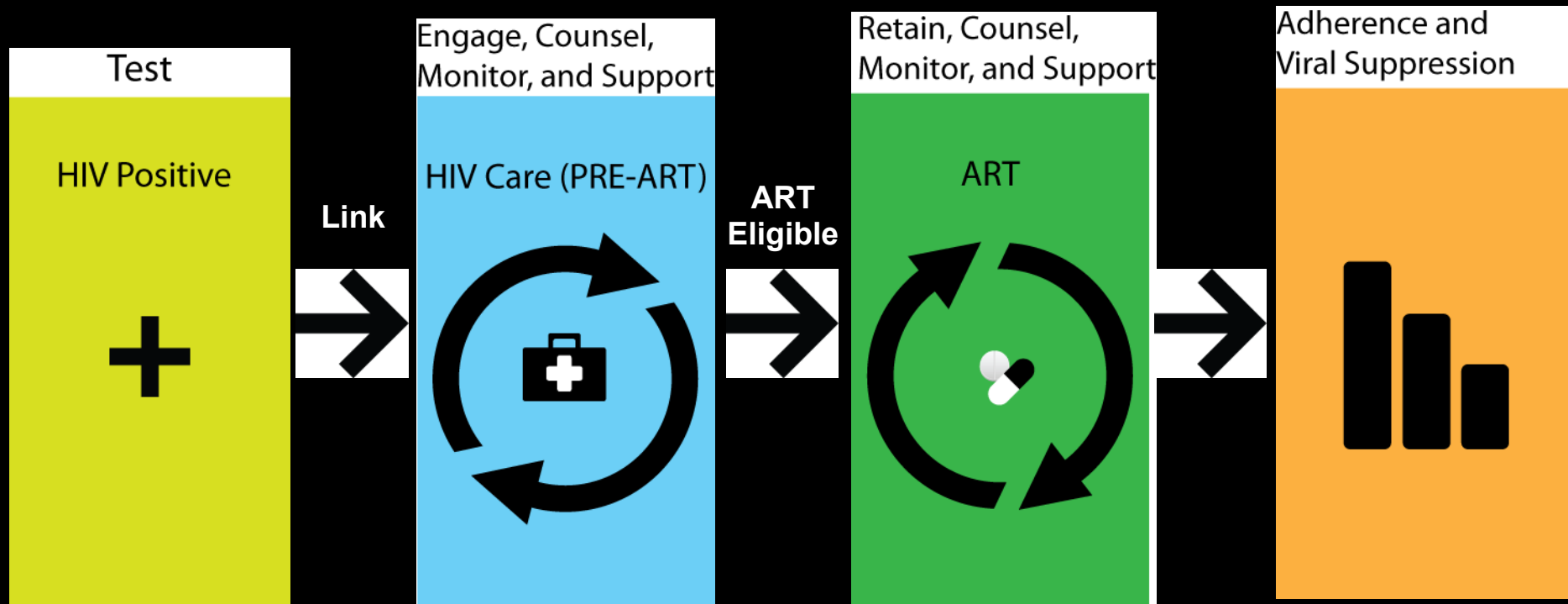
Single intervention



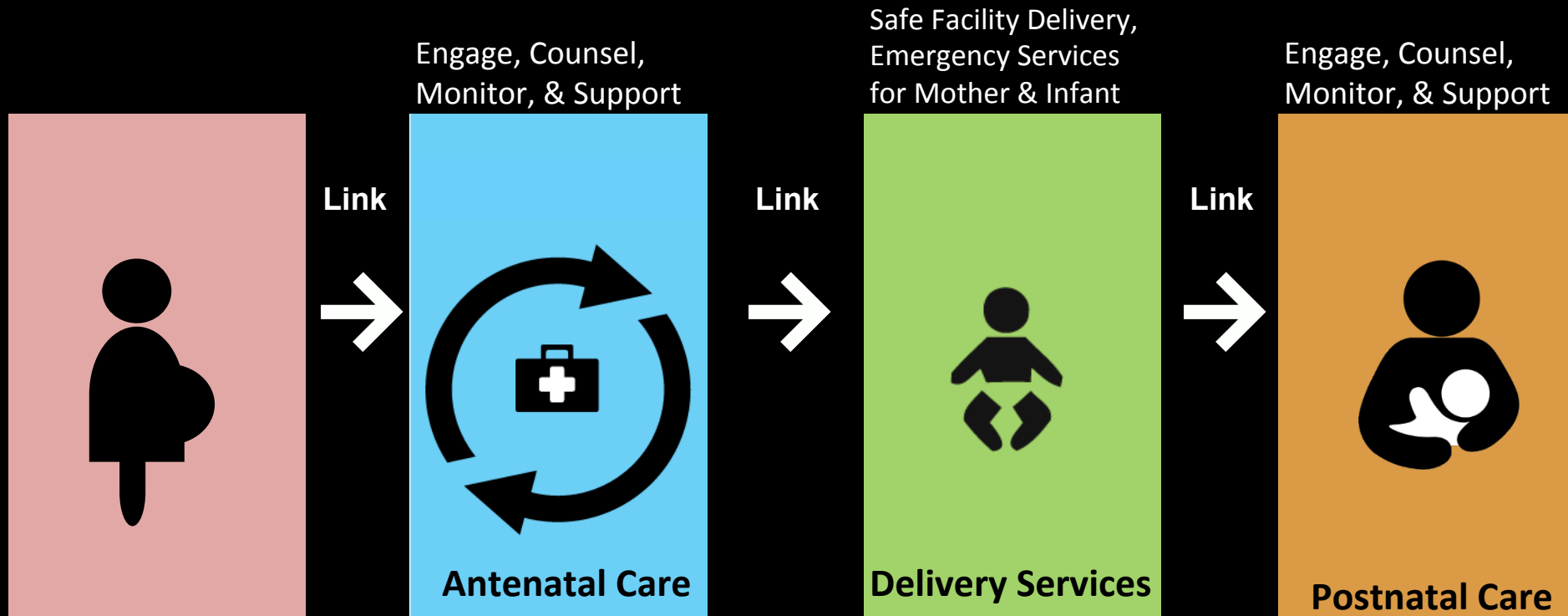
to engagement for prevention



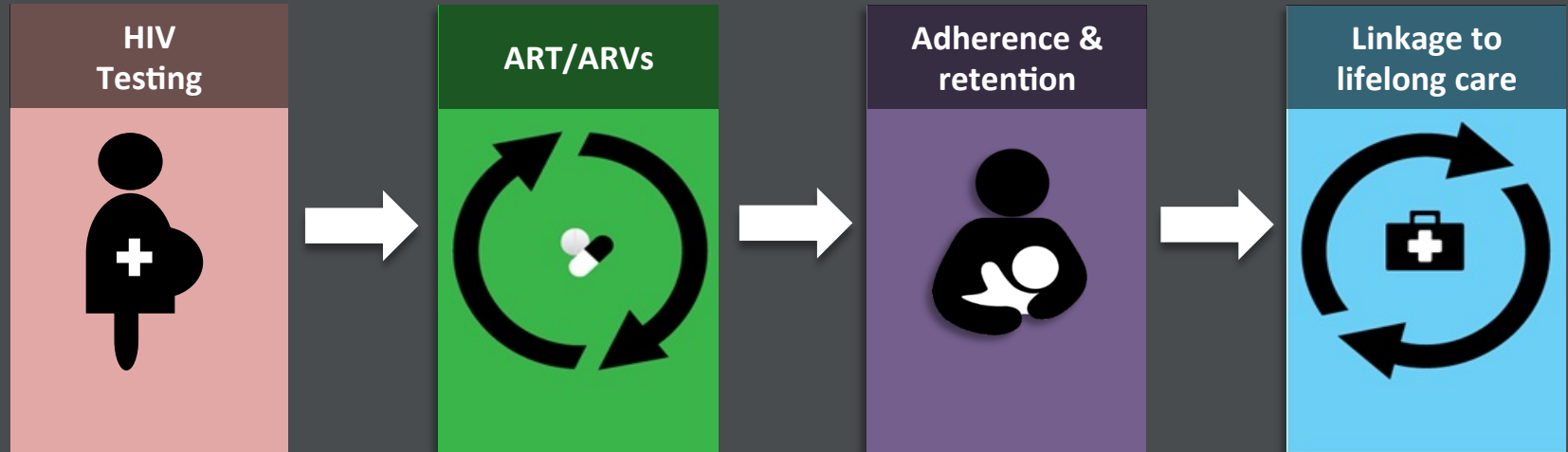
HIV Care Continuum



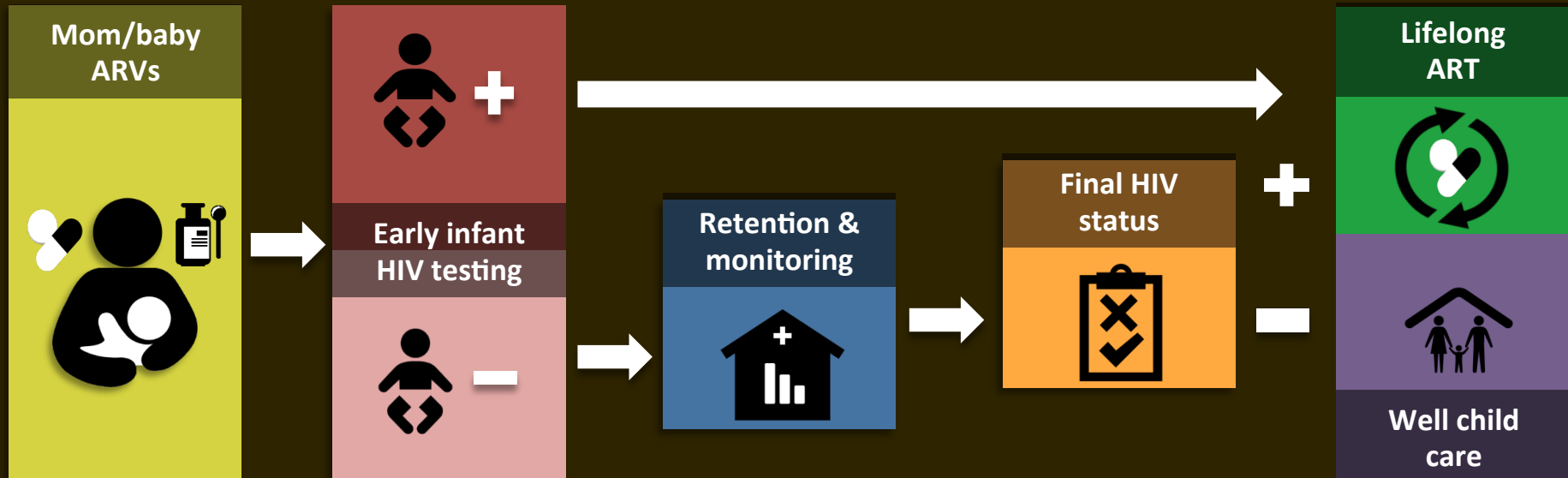
Maternal-Child Health Continuum



PMTCT Care Continuum: Pregnant & Breast Feeding Women



PMTCT Care Continuum: Infants



A Focus on the Health System

SYSTEM BUILDING BLOCKS



OVERALL GOALS/OUTCOMES



Service Delivery



Health Workforce



Information



Medical Products, Drugs & Technologies



Financing



Leadership/Governance

Access

Coverage

Quality

Safety



Improved health
(level and equity)



Responsiveness



Social and Financial
Risk Protection



Improved Efficiency

Common Challenges

	Maternal Mortality	Child Health	TB	Diabetes	HIV/AIDS
Health System Barriers	✓	✓	✓	✓	✓
Demand for services	✓	✓	✓	✓	✓
Access to services	✓	✓	✓	✓	✓
Health care workers	✓	✓	✓	✓	✓
Support for follow-up & adherence	✓	✓	✓	✓	✓
Infrastructure and equipment	✓	✓	✓	✓	✓
Program management	✓	✓	✓	✓	✓
Drug and laboratory supplies	✓	✓	✓	✓	✓
Referral and linkages	✓	✓	✓	✓	✓
Community involvement	✓	✓	✓	✓	✓

Access



Acceptability



Quality



Coverage

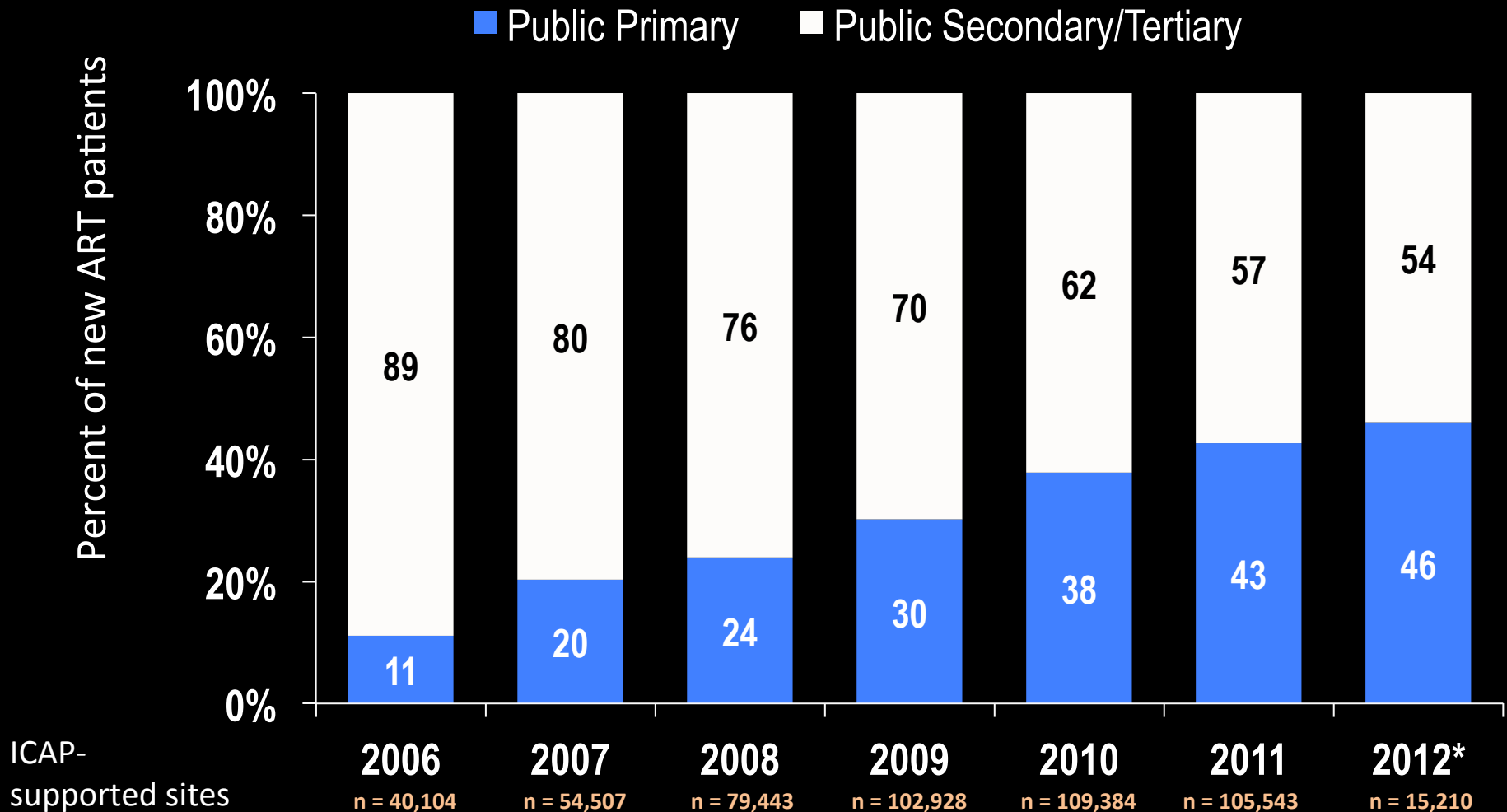


Effectiveness

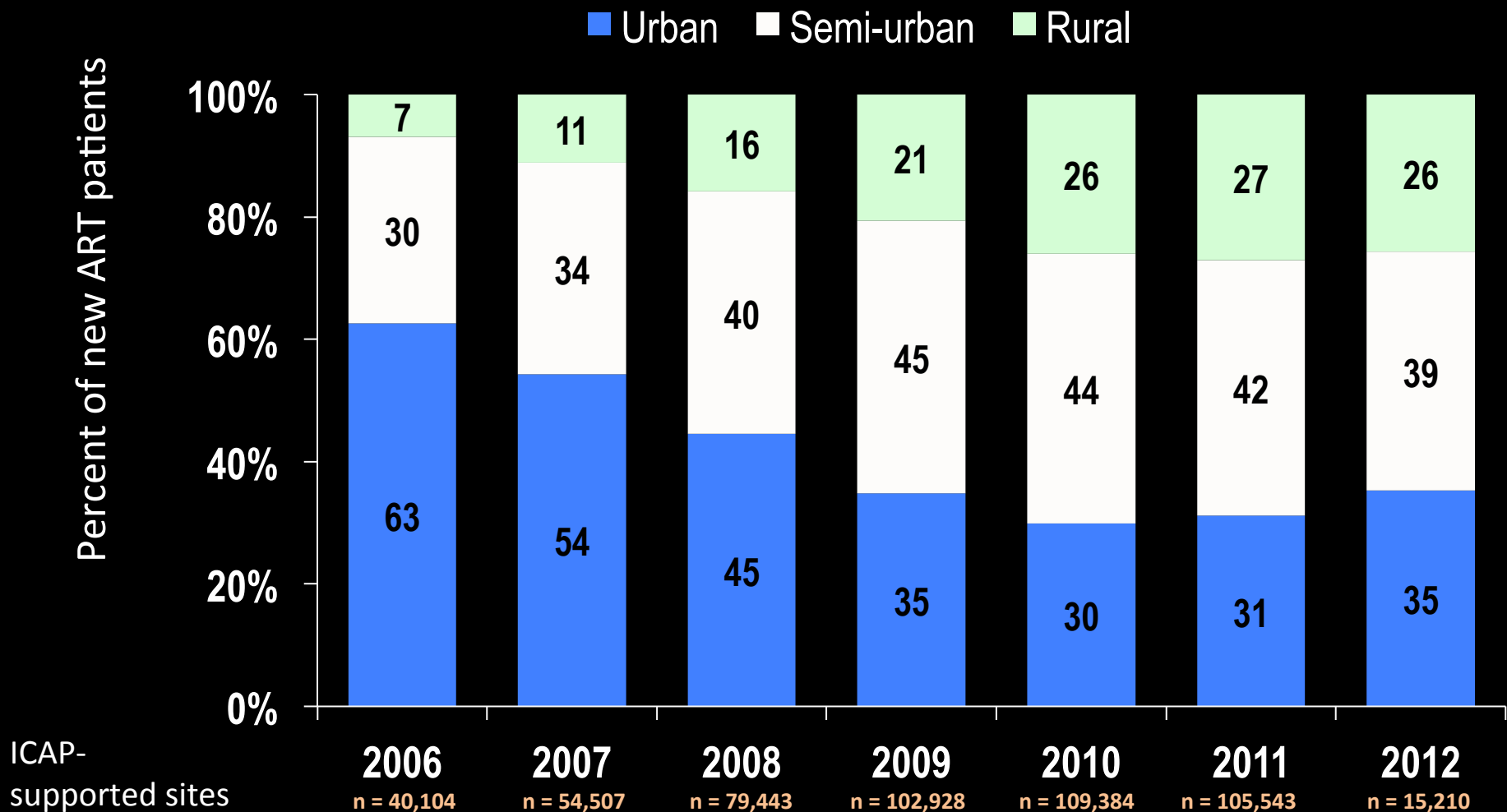


ART Initiation by Facility Type

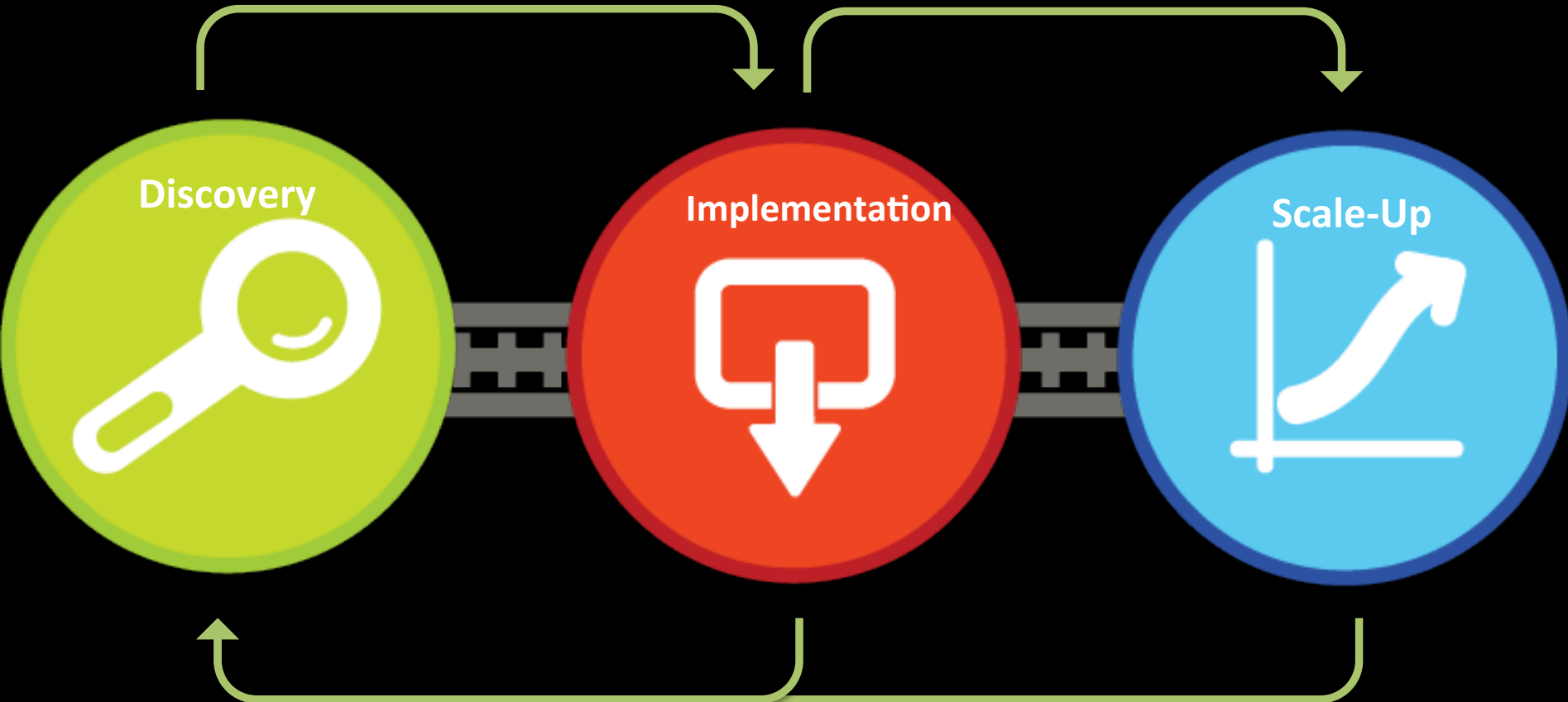
Primary versus Secondary/Tertiary



ART Initiation by Setting Urban versus Rural Location

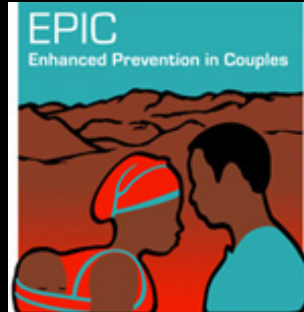
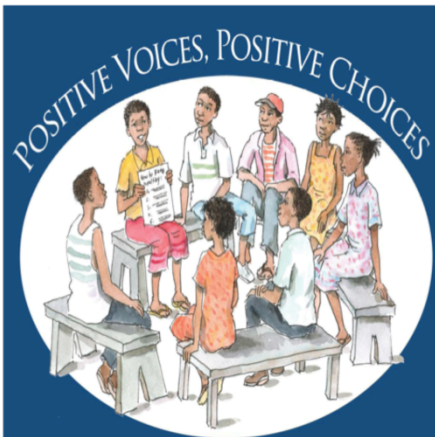


From Discovery to Scale-Up



Implementation Science

Link4Health 
Swaziland combination strategy for linkage and retention

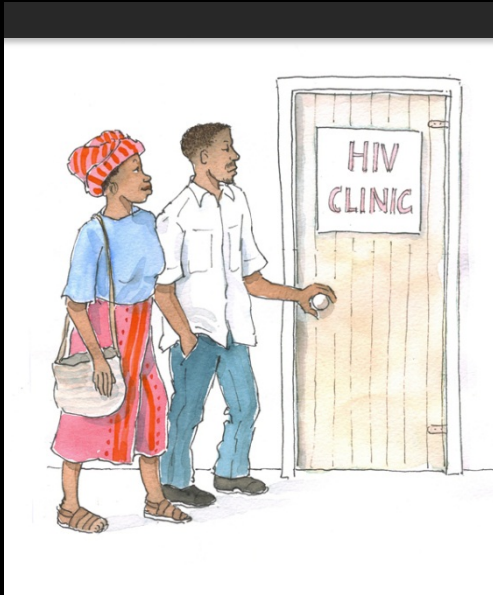


ENGAGE4HEALTH
LIGAÇÕES PELA SAÚDE

MIR4HEALTH
Mother and Infant Retention for Health

Start
TB patients on
ART and
Retain on
Treatment

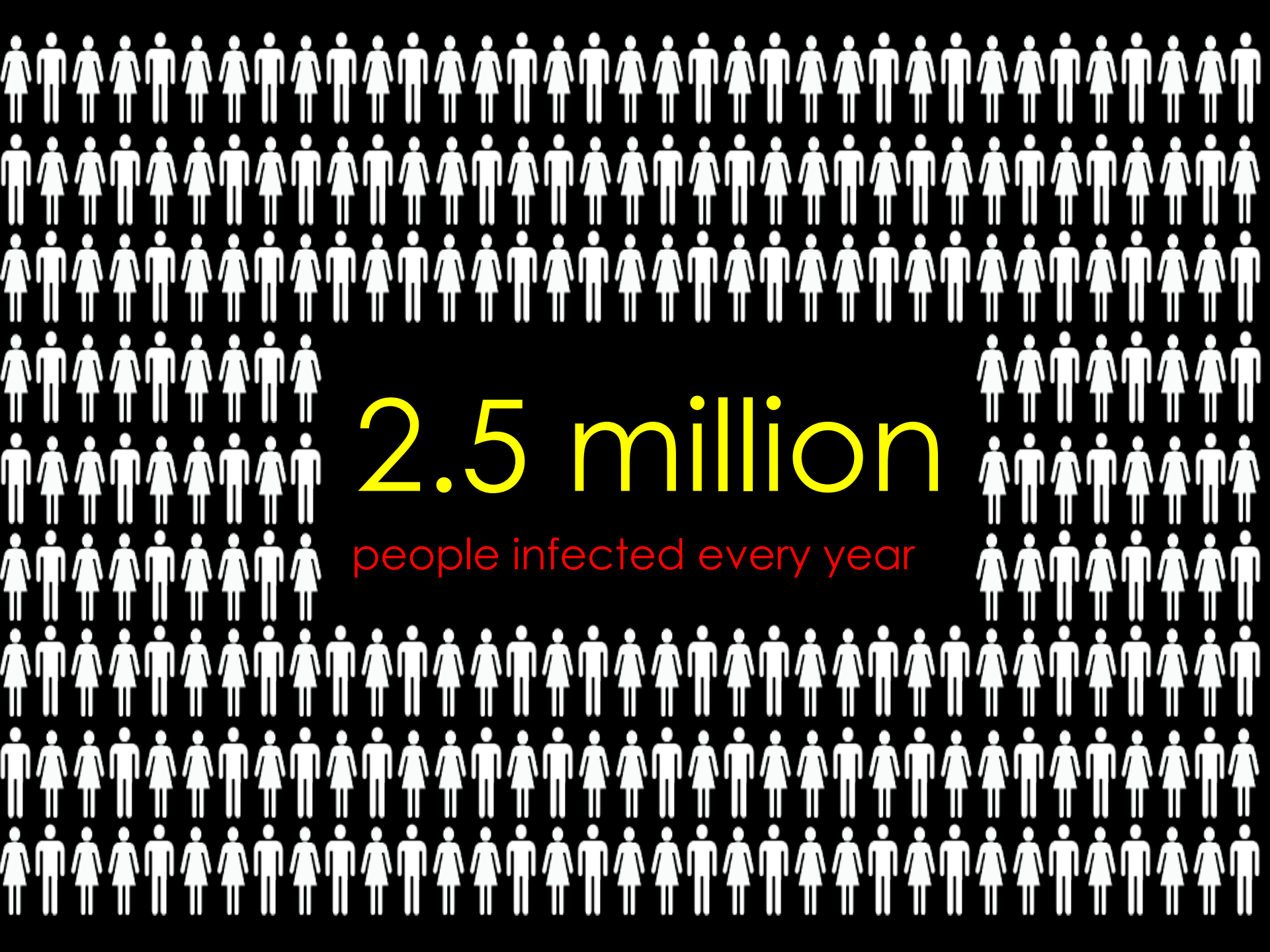
Conclusions





6 million

Additional people who need HIV
treatment now



2.5 million

people infected every year



330,000

babies born with HIV globally



6.9 million
children under 5 die every year



360,000

women per year die in
pregnancy and childbirth

```
graph TD; A((HIV Prevention, Care & Treatment)) --- B((Reproductive Health)); A --- C((Maternal and Child Health)); B --- C;
```

**HIV Prevention, Care &
Treatment**

Reproductive Health

**Maternal and
Child Health**

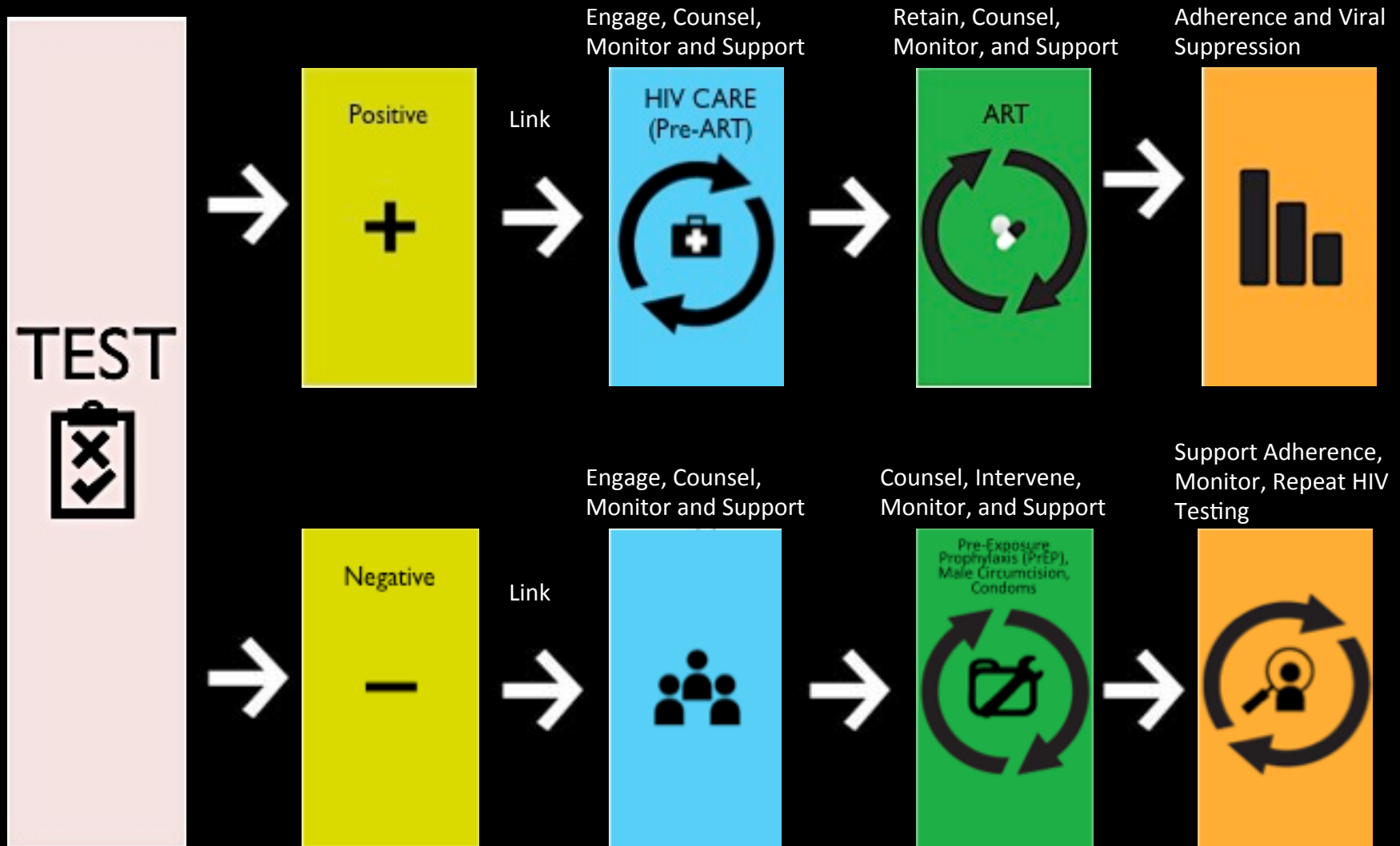

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graph TD; A((HIV Prevention, Care & Treatment)) --- B((Reproductive Health)); A --- C((Maternal and Child Health)); B --- C;
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HIV Prevention, Care & Treatment

Reproductive Health

**Maternal and
Child Health**

HIV Care and Prevention Continuum



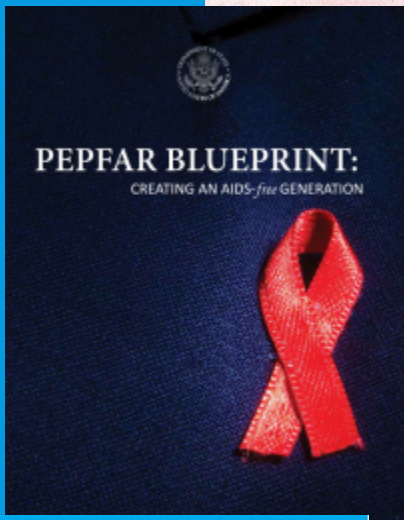
THE AIDS FREE GENERATION IS DUE IN 2015

Logos integrated into the text: Nike, Bugaboo, Dell, Converse, GAP, Apple, Starbucks, Penguin.

Born in
2015
Born without AIDS



TOGETHER WE WILL END AIDS.



THE GENERATION IS DUE IN 2015
nearly half a million babies were born with HIV. Other could be zero. A possibility we can make reality.
(RED)
JOINRED.COM


**UNITE FOR CHILDREN
 UNITE AGAINST AIDS**



GETTING TO ZERO

- ZERO** NEW HIV INFECTIONS
- ZERO** DISCRIMINATION
- ZERO** AIDS RELATED DEATHS

GETTING TO ZERO



Thank You



ICAP

Global. Health. Action.
COLUMBIA UNIVERSITY
Mailman School of Public Health