

PEPFAR & HRH

PEPFAR's investments in HRH and impacts on achieving an AIDS-free generation

Ambassador Deborah Birx, MD

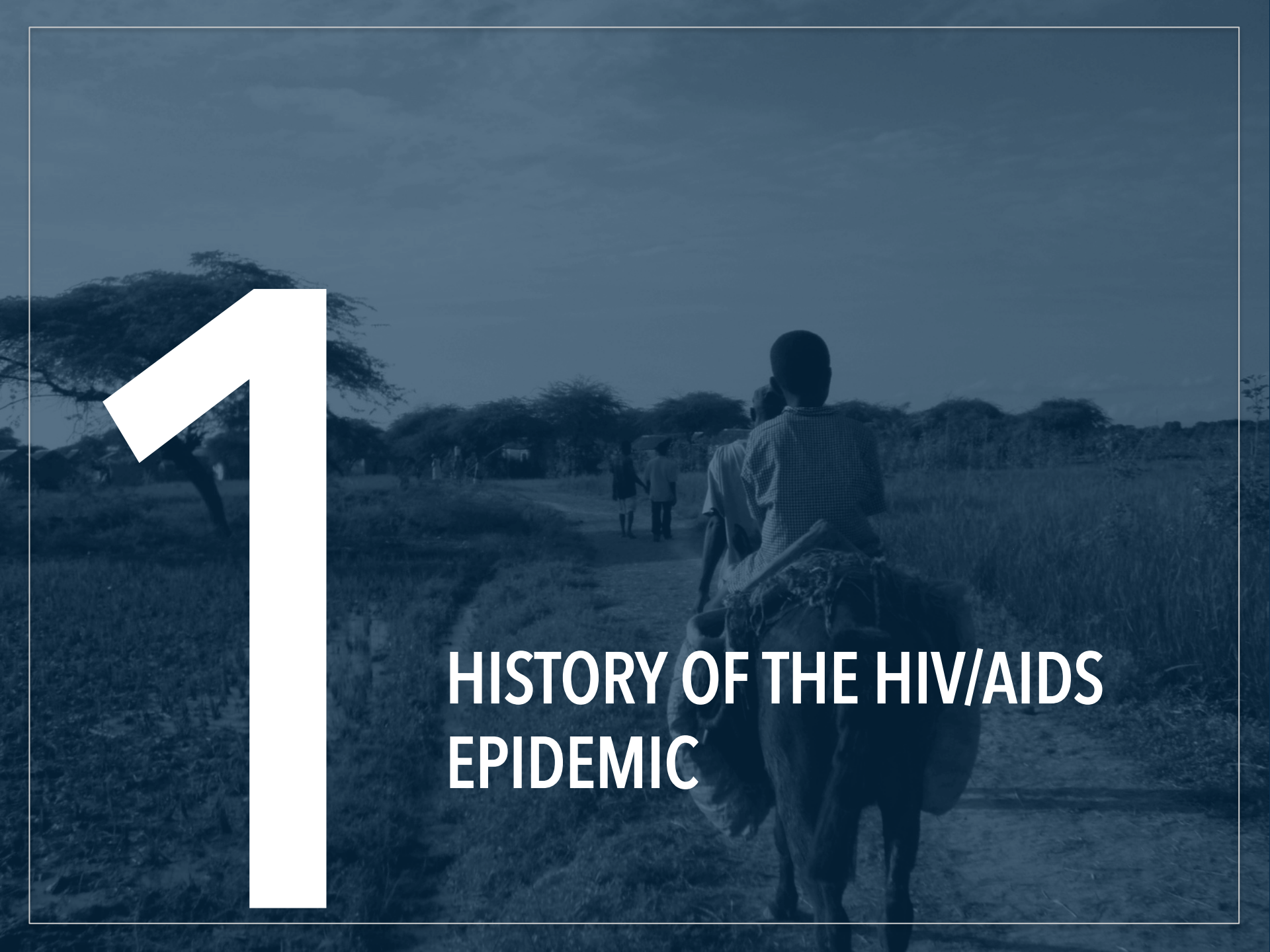
U.S. Department of State

March 2015



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HISTORY OF THE HIV/AIDS EPIDEMIC



1991 - 2001:

Peak of the Pandemic



Before PEPFAR & Global Response...

- **2001:** Nearly 10,000 new HIV infections daily
- **2002:** 50,000 on treatment in sub-Saharan Africa
- Health systems overwhelmed by the epidemic
- Life expectancy declines of over 20 years in some countries
- Loss of working age population – reversing decades of development progress
- Stigma and discrimination were pervasive



Celebrating PEPFAR's Remarkable Success

Since its launch in 2003, PEPFAR has saved millions of lives

- 7.7 M people on life-saving ART
- More than one million babies born HIV-free
- 6.5 M men received VMMC services
- Care and support for more than 5 M OVC
- 21 M people in priority and key populations reached with prevention interventions

In 2014 alone:

- 750 K HIV+ pregnant women received ARVs for PMTCT and 95% of their babies were born HIV-free
- **56.1 M** people received HTC services
- PEPFAR supported training (including pre-service training) for more than 140,000 new health care workers in PEPFAR-supported countries to deliver HIV and other health services

The U.S. government has committed more than \$52 billion to bilateral HIV/AIDS programs, the Global Fund, and bilateral TB programs since 2004.

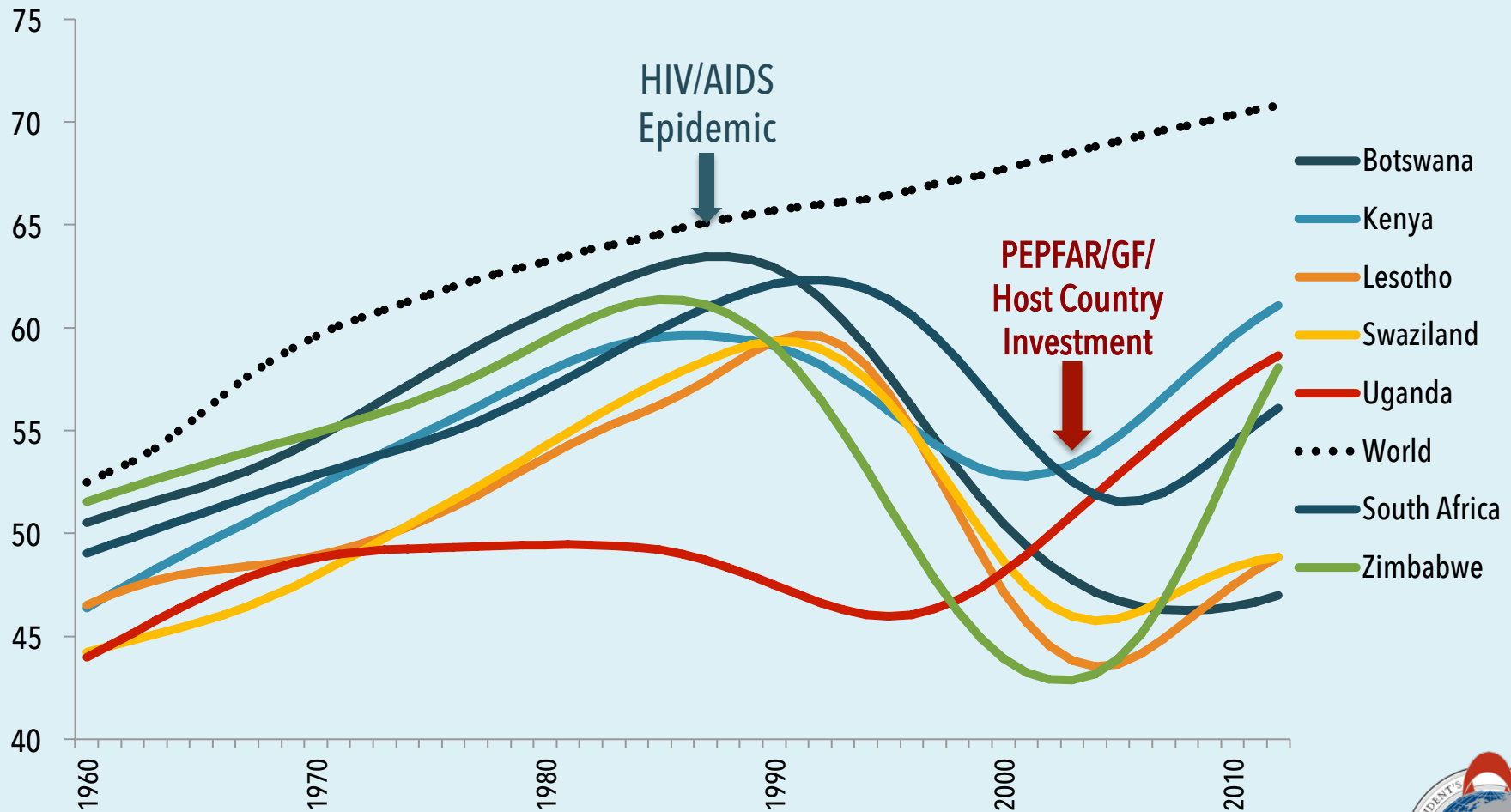
Under the Obama Administration,
unprecedented progress

has been made, building on the strong foundation laid under the Bush Administration.



Dramatic Impact of PEPFAR & Global HIV Response

Life Expectancy at Birth (in years), 1960-2013; Select Countries



Source: World Bank, 2014

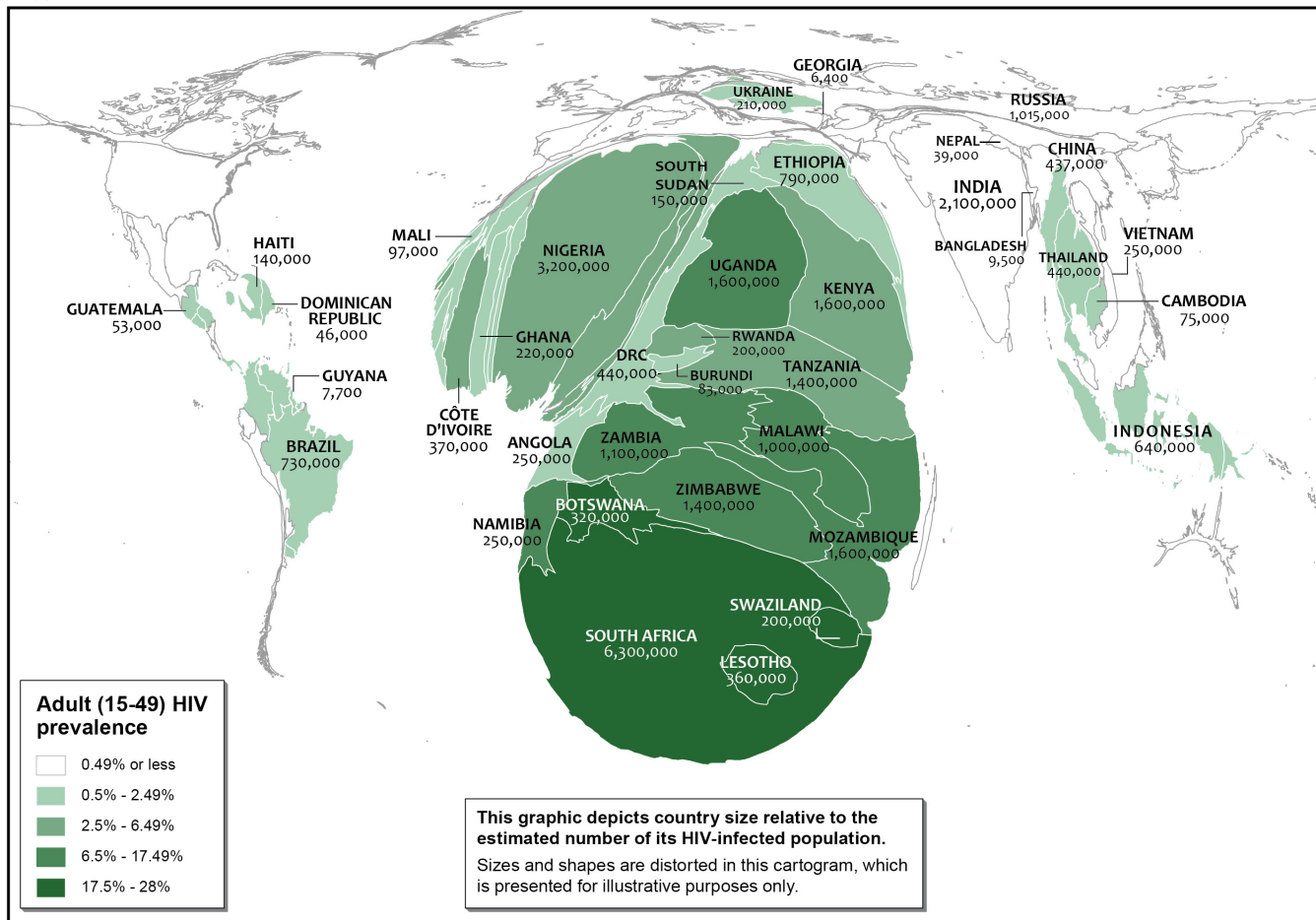
A New Era of Accountability, Transparency and Solidarity to Accelerate IMPACT



HIV Prevalence & PLHIV, 2013



HIV Prevalence and Estimated Number of Adults and Children Infected with HIV, 2013



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Sources: WHO; CDC; UNAIDS; National Health and Family Planning Commission of The People's Republic of China

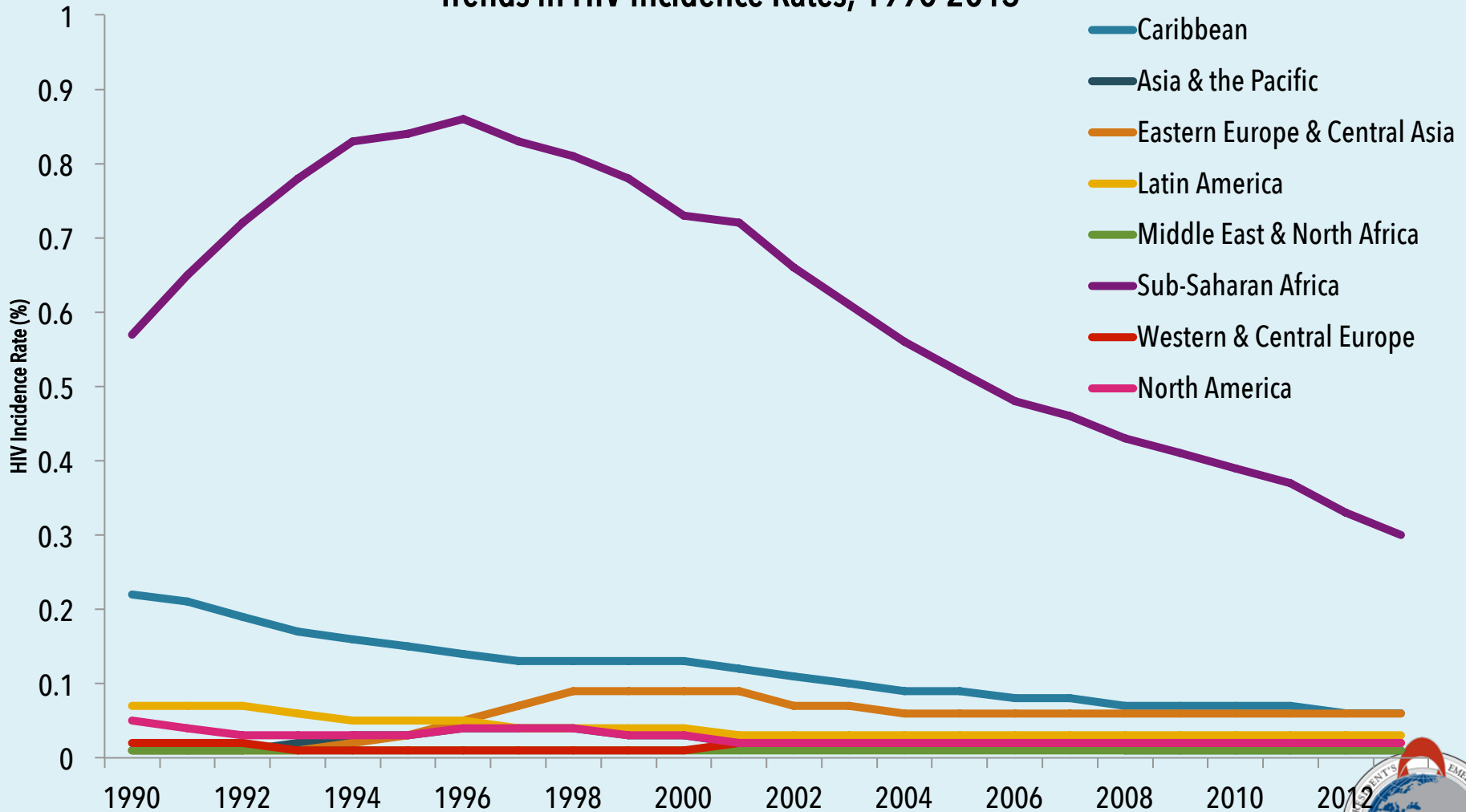
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Dramatic reductions in HIV Incidence Rates

Maintaining momentum is key to achieving epidemic control

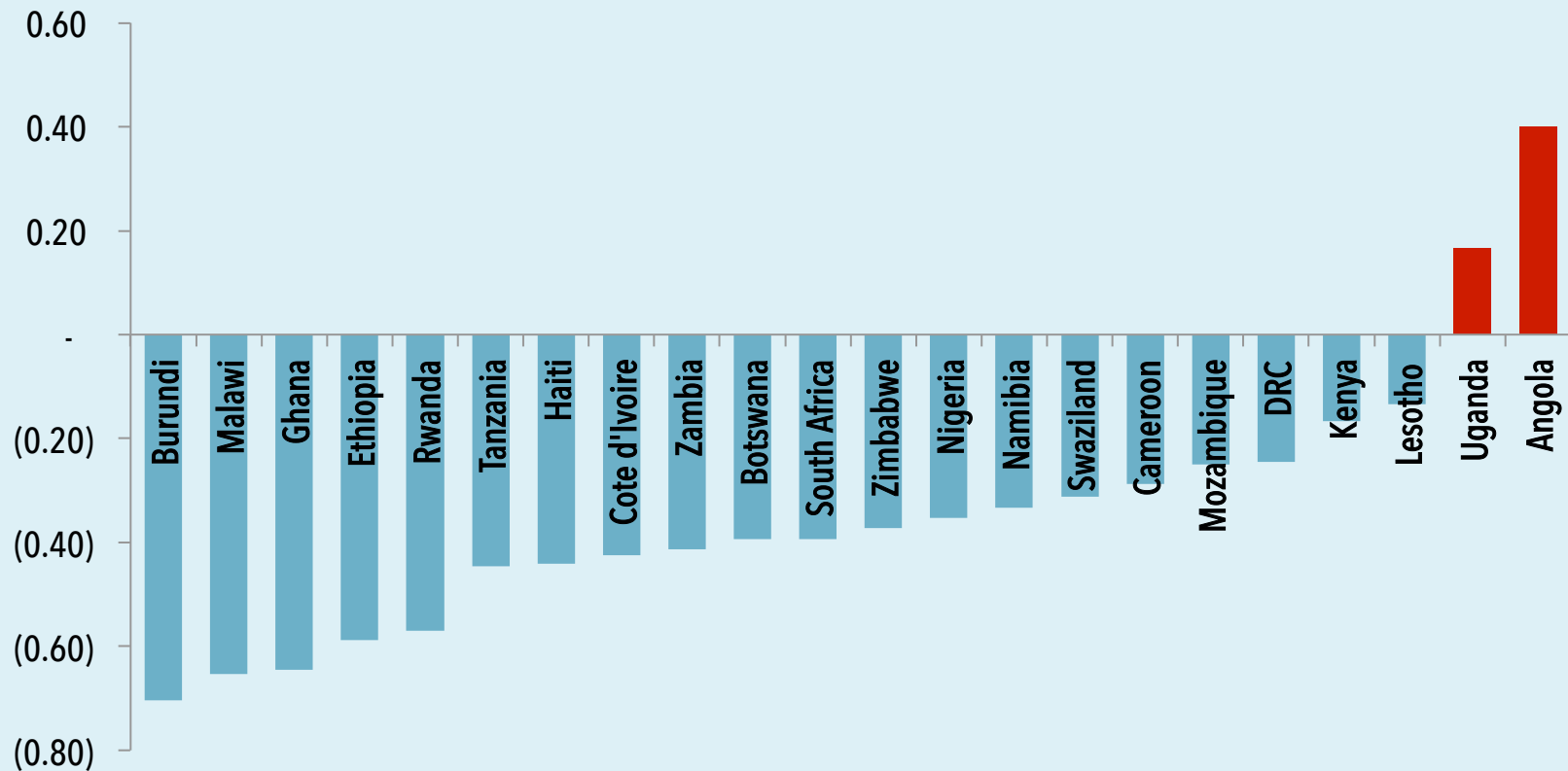
Trends in HIV Incidence Rates, 1990-2013



Progress is Unequal

Decline in New HIV Infections Varies By Country

Percent Change in Number of New HIV Infections,
Select Countries, 2005 - 2013

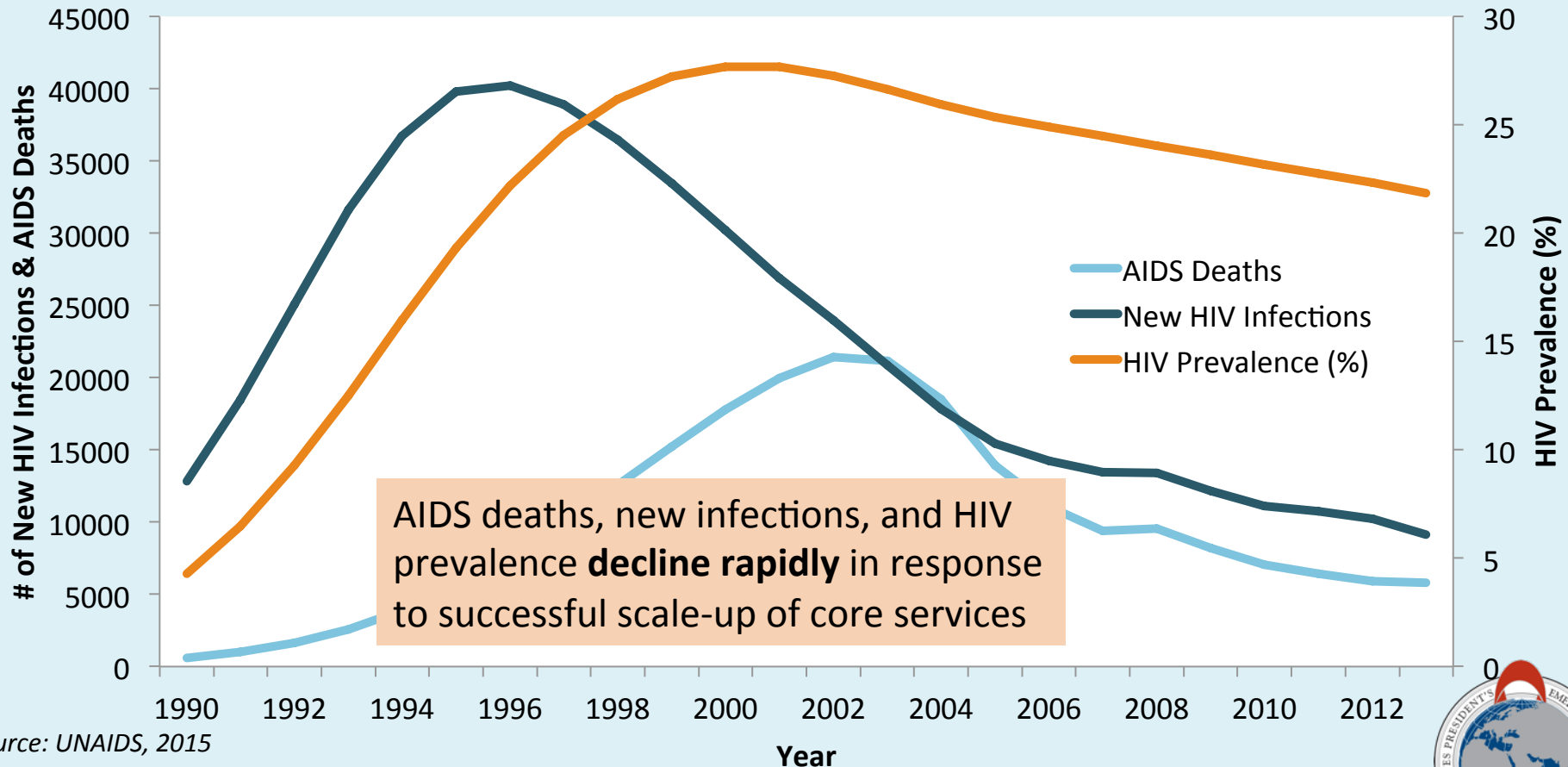


Source, UNAIDS 2014



Botswana: Successful Scale-Up of Combination Prevention Services

Botswana
AIDS Deaths, New HIV Infections, & HIV Prevalence (1990-2013)

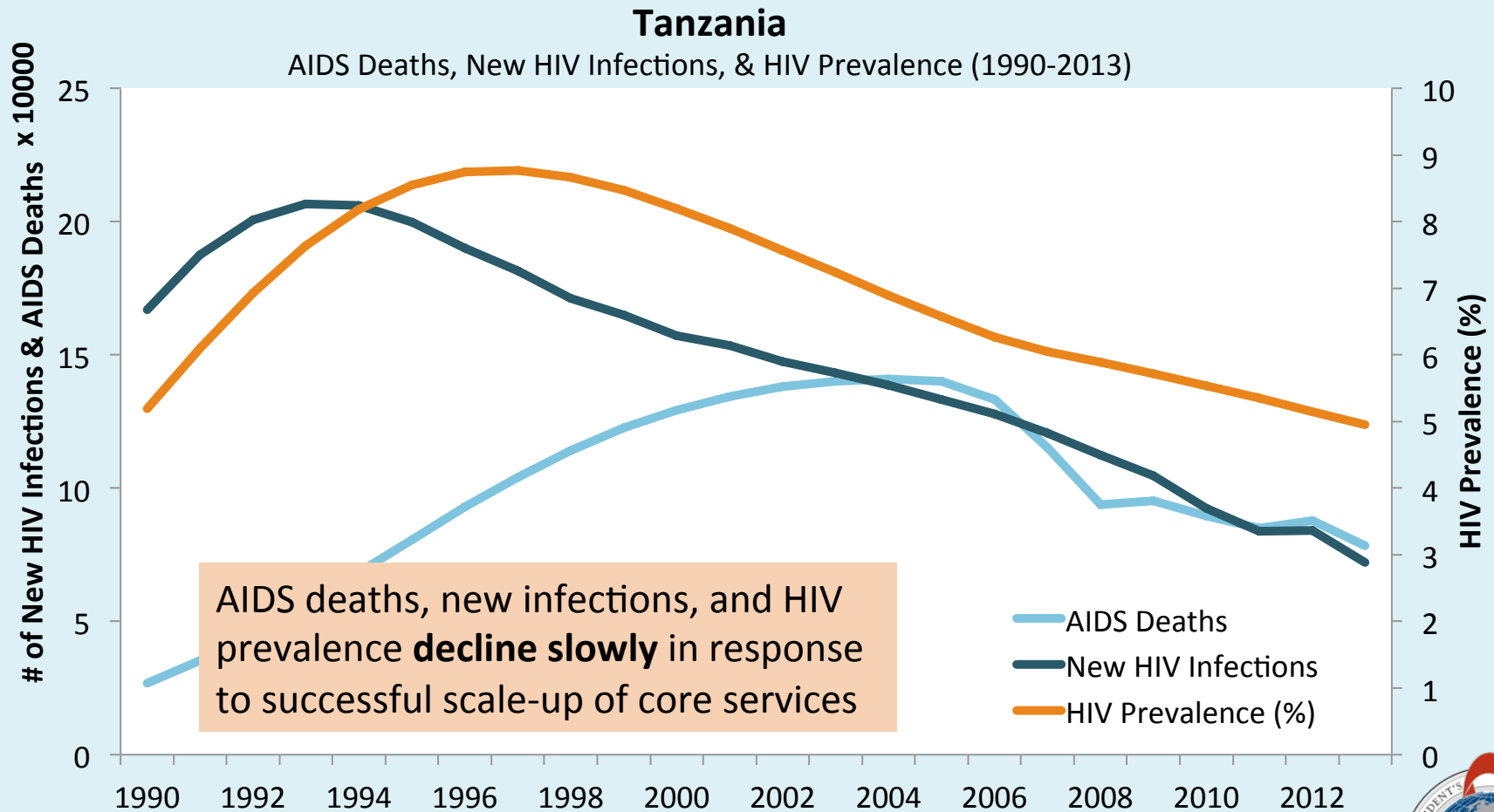


AIDS deaths, new infections, and HIV prevalence **decline rapidly** in response to successful scale-up of core services

Source: UNAIDS, 2015



Tanzania: Successful Scale-Up of Combination Prevention Services



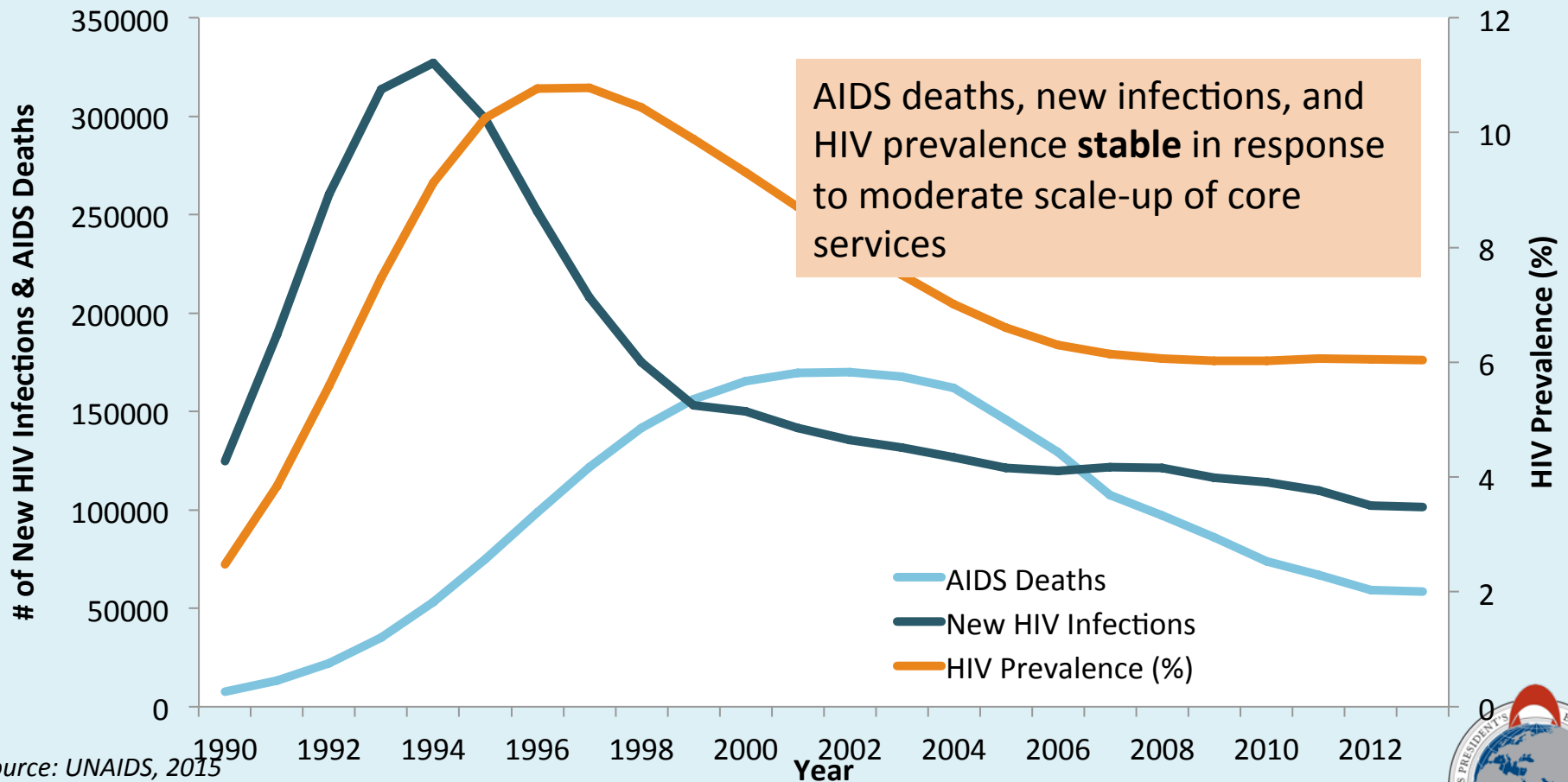
Source: UNAIDS, 2015



Kenya: Moderate Scale-Up of Combination Prevention Services

Kenya

AIDS Deaths, New HIV Infections, & HIV Prevalence (1990-2013)



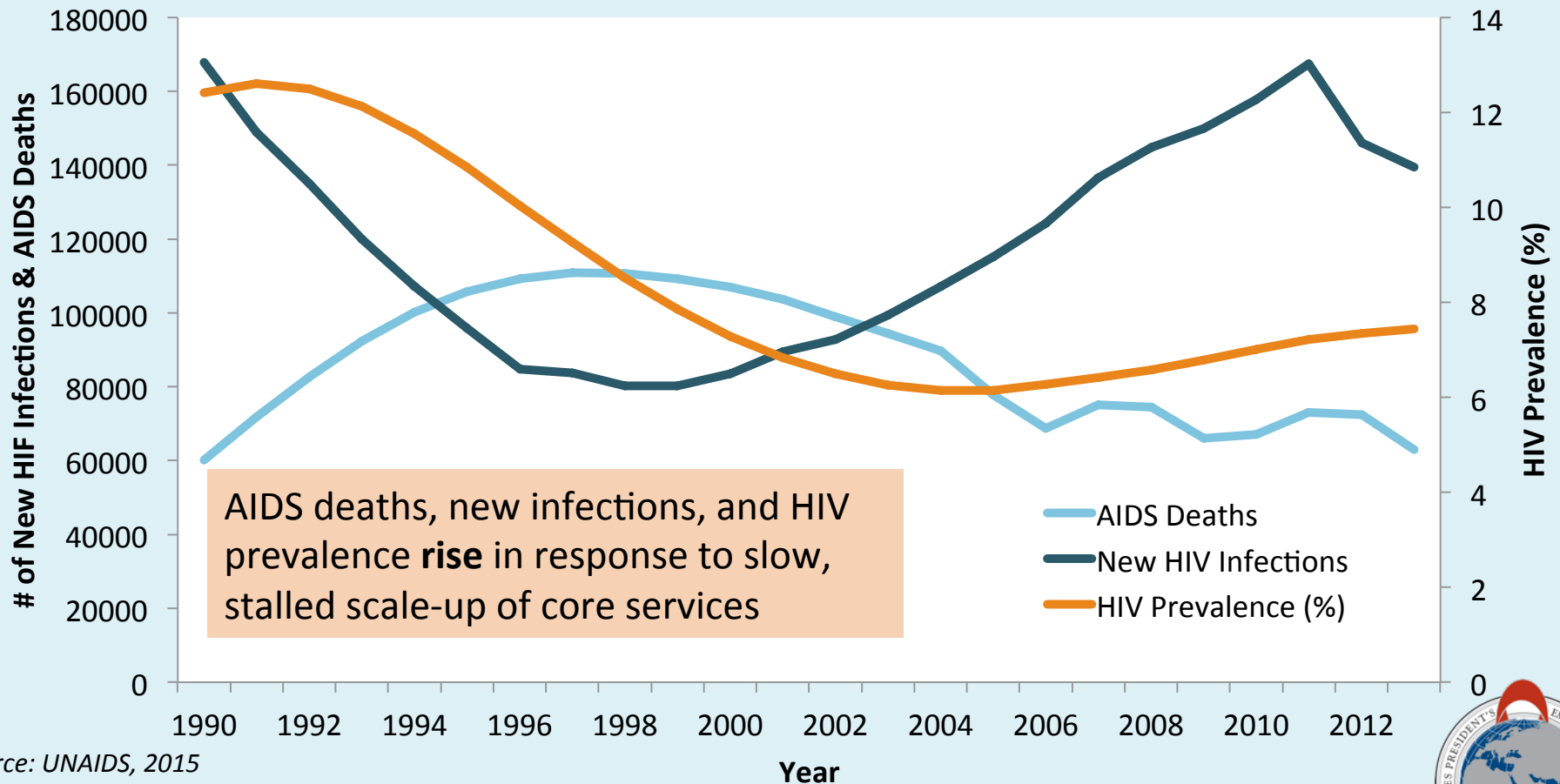
Source: UNAIDS, 2015



Uganda: Effect of Stalled Scale-Up of Combination Prevention Services

Uganda

AIDS Deaths, New HIV Infections, & HIV Prevalence (1990-2013)



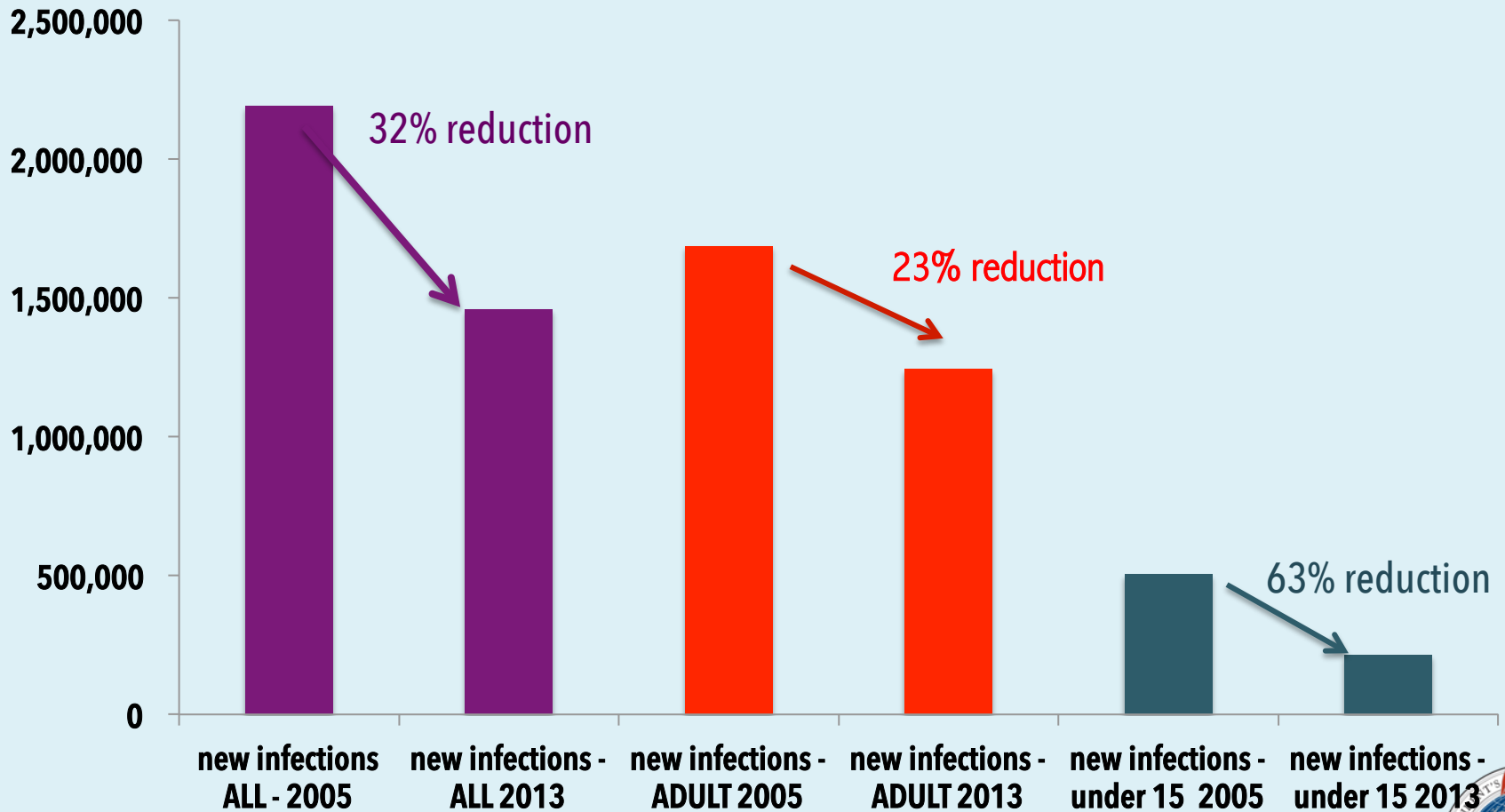
Source: UNAIDS, 2015

A New Era of Accountability, Transparency and Solidarity to Accelerate IMPACT



Sub-Saharan Africa: Decline in New HIV Infections Disproportionally due to PMTCT

Total, Adult, & Children Under 15 years



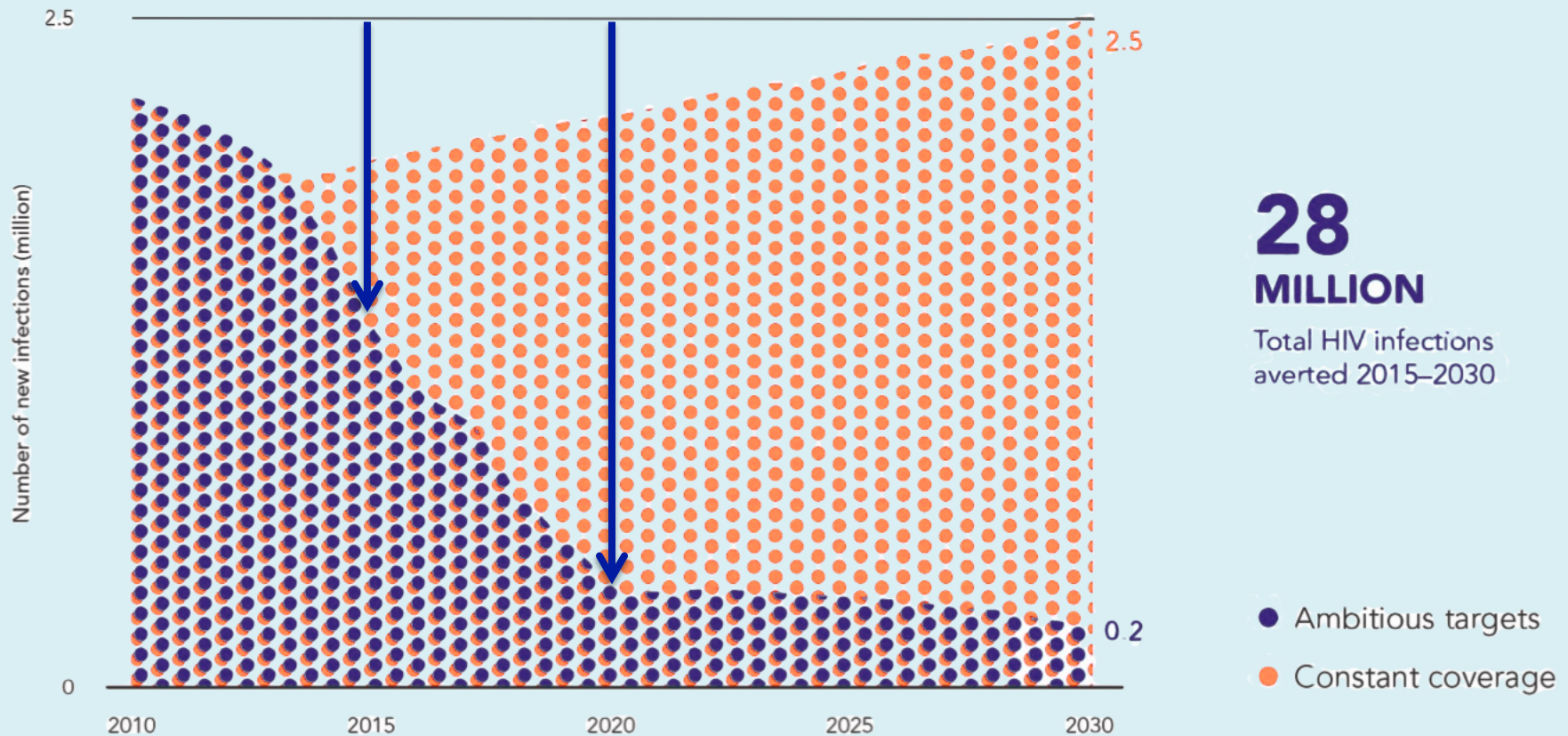
Source: UNAIDS, 2014

A New Era of Accountability, Transparency and Solidarity to Accelerate IMPACT



New HIV infections in LMIC - UNAIDS Fast Track 2014

2010-2030, with achievement of ambitious Fast-Track Targets, compared to maintaining 2013 coverage - 7M new infections by 2017 and 12M by 2020



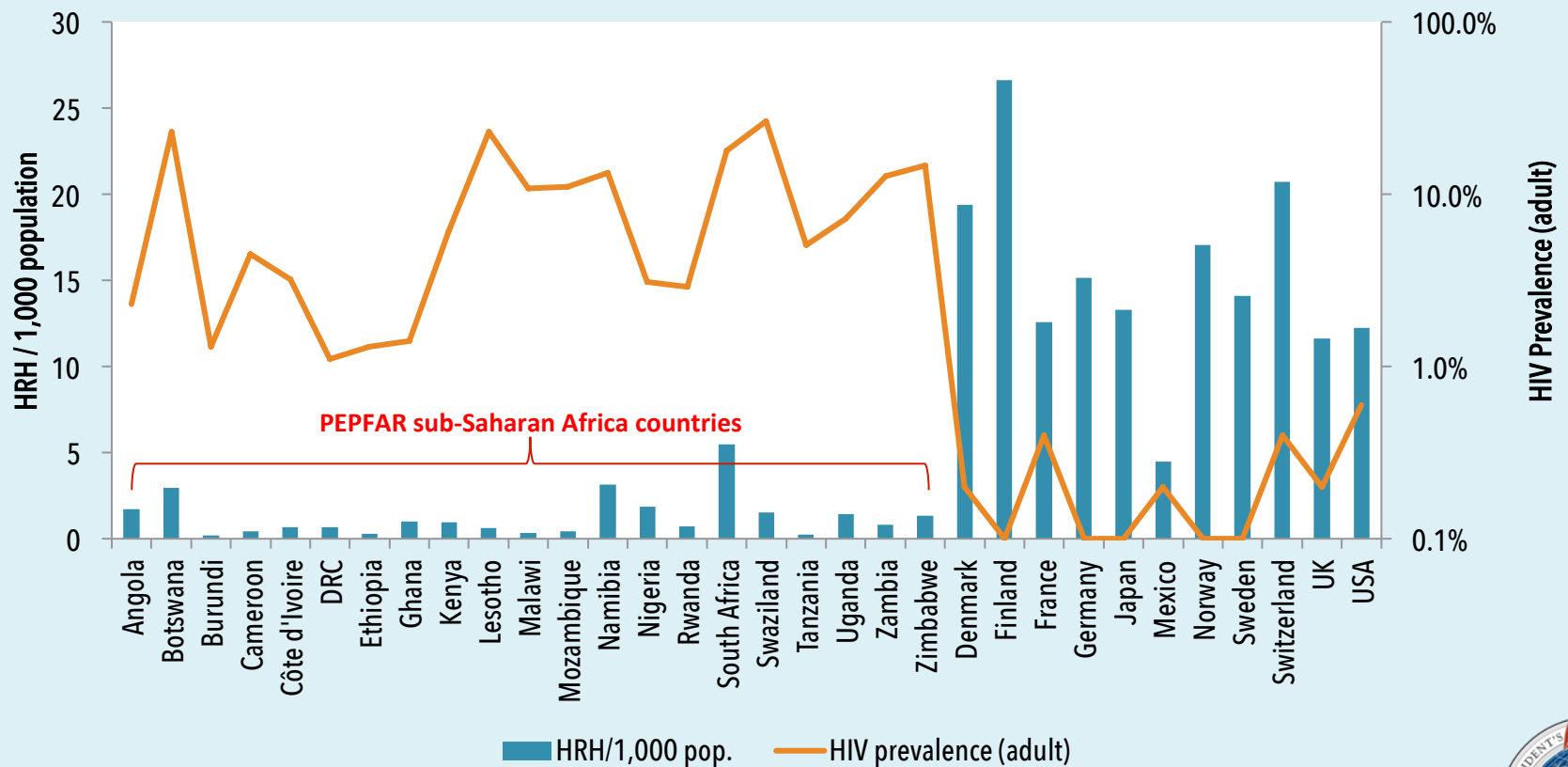
Source: UNAIDS, 2015

A New Era of Accountability, Transparency and Solidarity to Accelerate IMPACT



Access to trained HRH remains a major barrier to scaling-up services in high burden countries

HRH per 1,000 population and HIV prevalence, select countries, 2013



A large white number '2' is positioned on the left side of the image. The background is a dark blue-tinted photograph of two women in a hospital ward. The woman on the left is wearing a white lab coat and has her hands clasped in front of her. The woman on the right is also wearing a white lab coat and is smiling. In the background, there are several hospital beds with metal frames and white linens. The overall scene is brightly lit, suggesting a clean and professional environment.

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REMARKABLE ACHIEVEMENTS IN HRH

Celebrating the success we have had together improving access to lifesaving services by producing human resources to health

PEPFAR & Human Resources for Health

PEPFAR's multimillion dollar HRH strategy links the following:

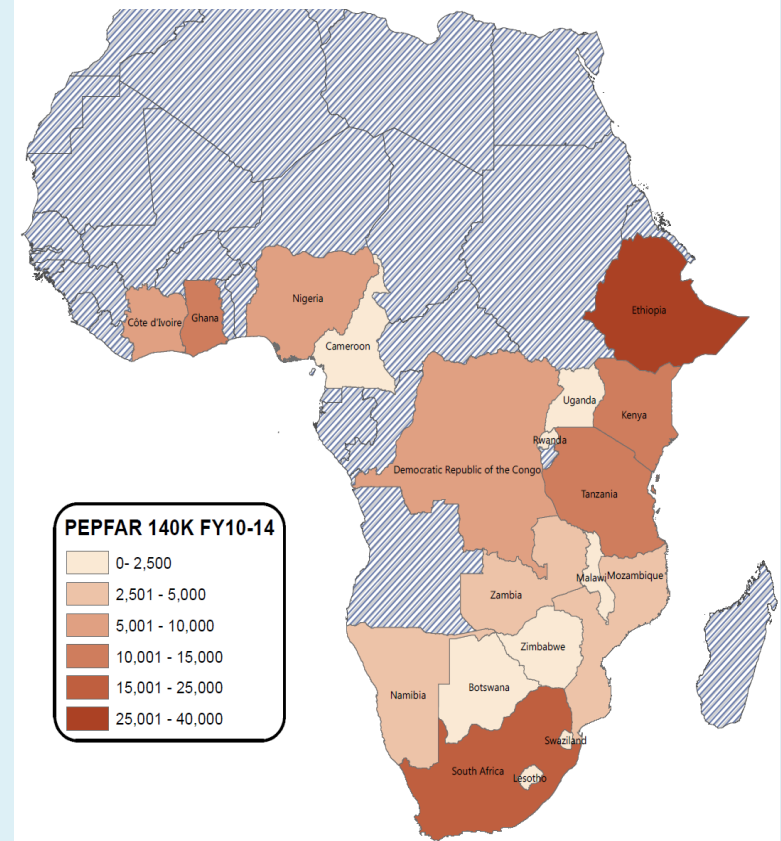
- Medical Education Partnership Initiative (MEPI)
- Nursing Education Partnership Initiative (NEPI)
- Field Epidemiology & Laboratory Training Program (FELTP)
- Partnership with African Society for Laboratory Medicine (ASLM)
- Global Health Service partnership with Peace Corps and Seed Global Health



> 140,000 PEPFAR-supported HRH

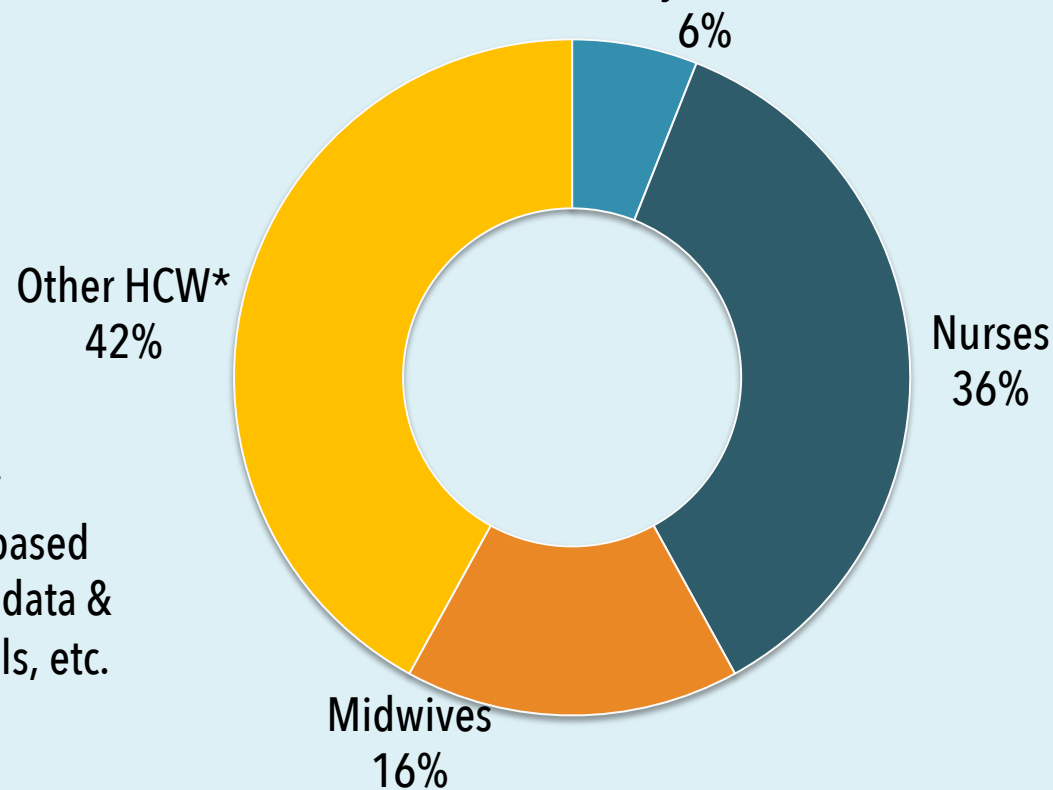
- Over 4 years ago, Congress recognized importance of HRH
- Hyde-Lantos act called upon PEPFAR to train and retain at least 140,000 doctors, nurses, midwives, & other HRH
- FY 2010-2014, PEPFAR trained 141,677 new HRH
 - 95% in Sub-Saharan Africa

PEPFAR-supported HRH in Sub-Saharan Africa, by country (FY10-14)



Supporting training for the most needed cadres of human resources for health

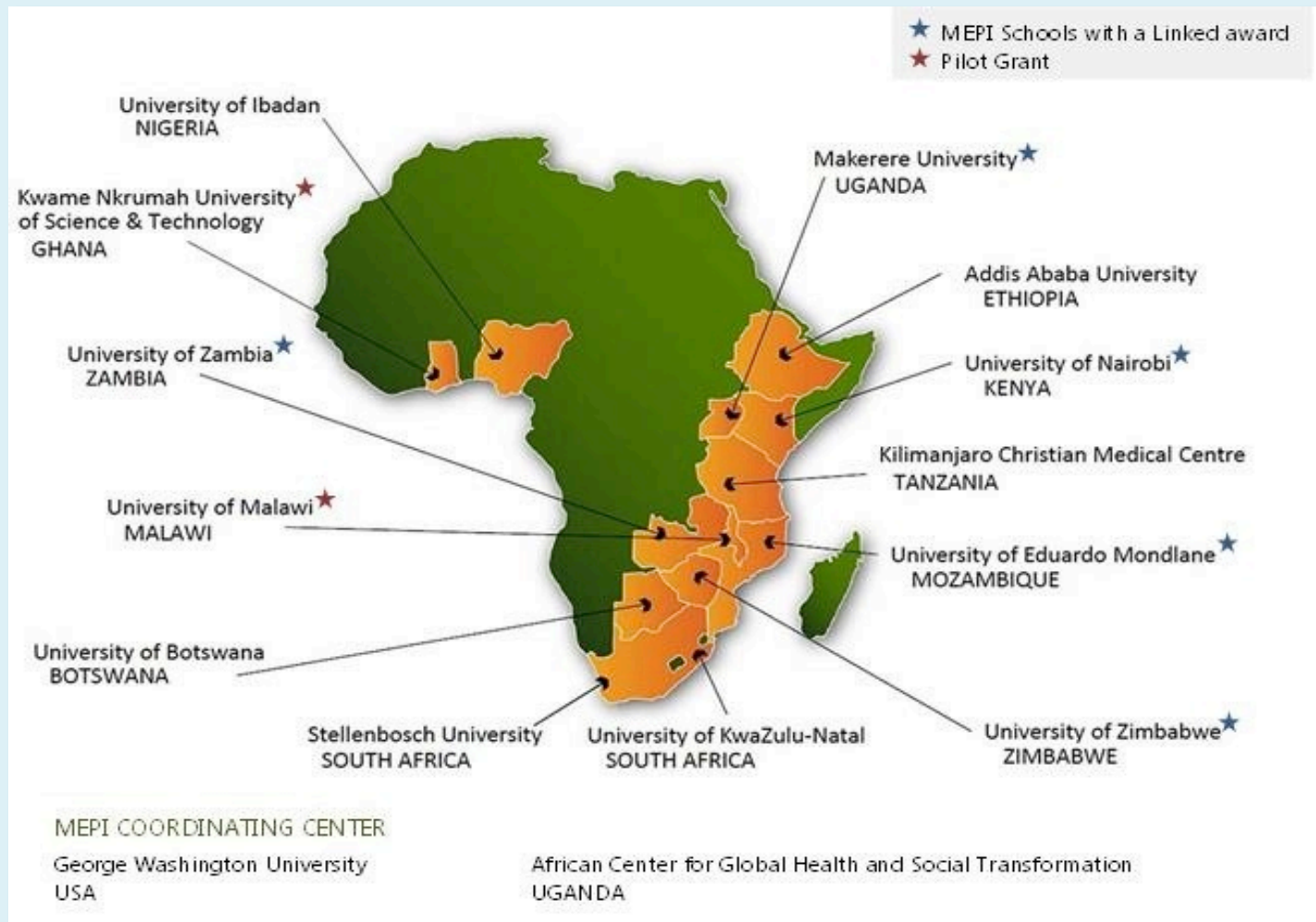
HRH Production, by Cadre



*Other HCW includes: laboratorians, pharmacy personnel, community-based workers, social workers, data & surveillance professionals, etc.



Medical Education Partnership Initiative (MEPI)



HRH are central to successful HIV response

None of PEPFAR's achievements would have been possible without trained, dedicated human resources for health

PEPFAR's investments in HRH have been transformative:

- Quality of pre-service and in-service training vastly improved
- Future graduates will also benefit
- HIV services and total healthcare system improve concurrently



Example: FELTP graduates were crucial to Ebola response





EVOLUTION OF HIV RESPONSE

PEPFAR's Evolution

From Emergency Response to Sustainable Impact for an AIDS-free Generation

2003 – 2007: PEPFAR I

- Emergency response
- Delivering prevention, care, & treatment services
- Building & strengthening health systems to deliver HIV services

2008 – 2012: PEPFAR 2

- Shift from emergency to sustainable response
- Shared responsibility & country-driven programs
- Scaling up core interventions (ART, PMTCT & VMMC) for impact

2013-2018: PEPFAR 3

- Sustainability & shared responsibility
- Quality, oversight, transparency, & accountability for impact
- Accelerating core interventions for epidemic control
- Recognizing budget realities



Achieving epidemic control with the
current global budget
will require delivering the

Right Things

in the

Right Places

at the

Right Time

Do we have the collective will?



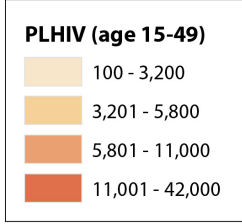
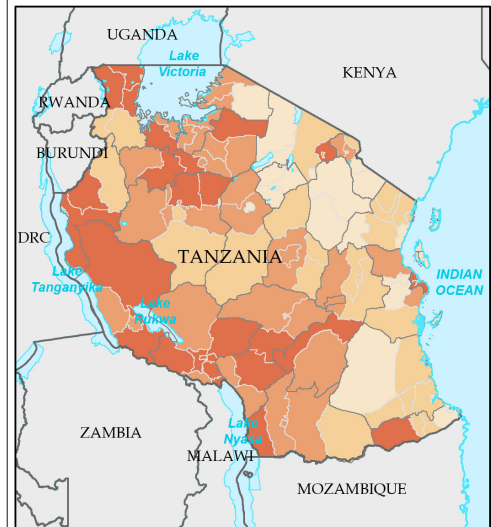
PLHIV, Children on ART, & OVC Served : Focusing



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Tanzania: Orphans and Vulnerable Children (OVC) Served, Children on Antiretroviral Therapy (ART) and People Living with HIV, 2014

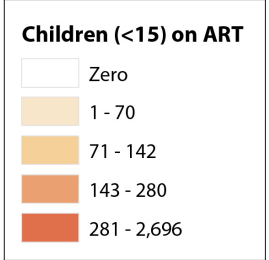
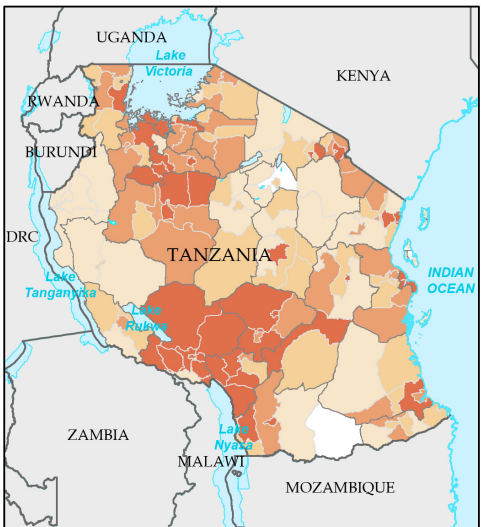
People living with HIV (PLHIV), 2014



Note: UNAIDS estimates are based on pre-2012 district and region boundaries.

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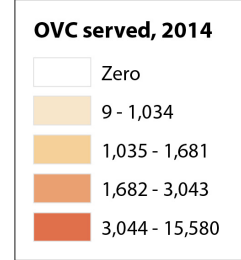
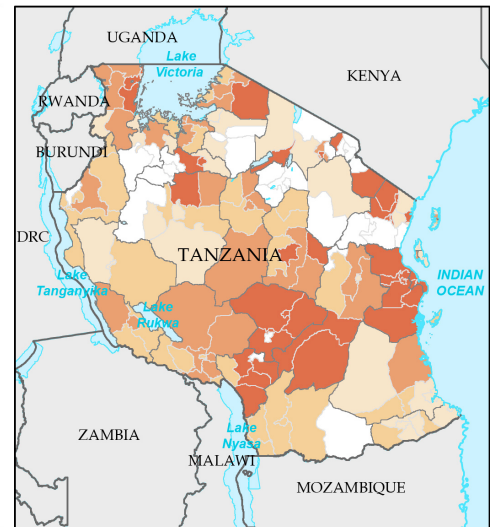
Children currently on ART (site level), 2014



Note: Busokelo not shown. Bababati, Bariadi, and Geita urban and rural areas merged.

Source: PEPFAR APR, 2014 and UNAIDS

OVC served (site level), 2014



Note: Busokelo not shown. Bababati, Bariadi, and Geita urban and rural areas merged.

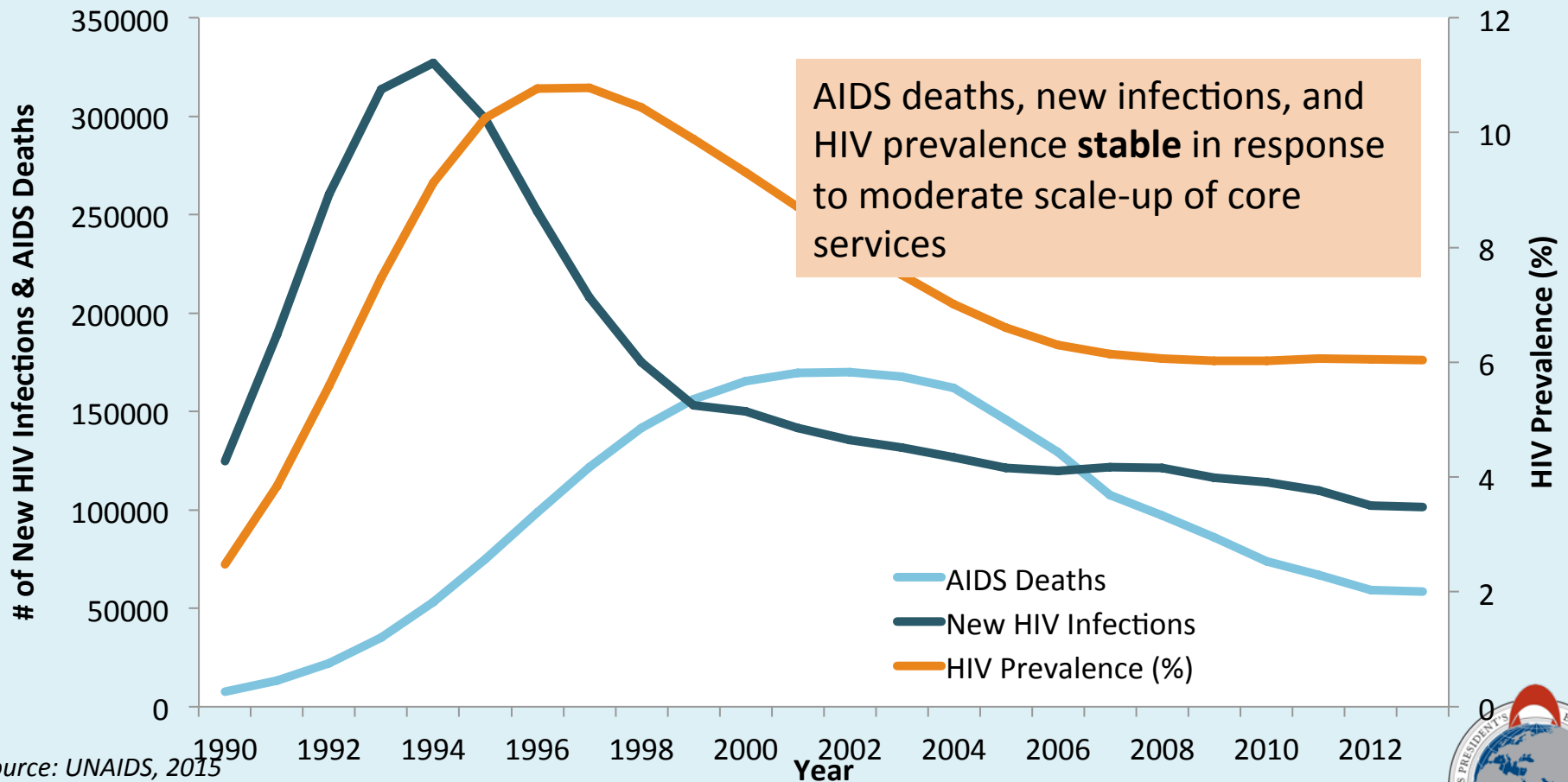
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Kenya: Moderate Scale-Up of Combination Prevention Services

Kenya

AIDS Deaths, New HIV Infections, & HIV Prevalence (1990-2013)

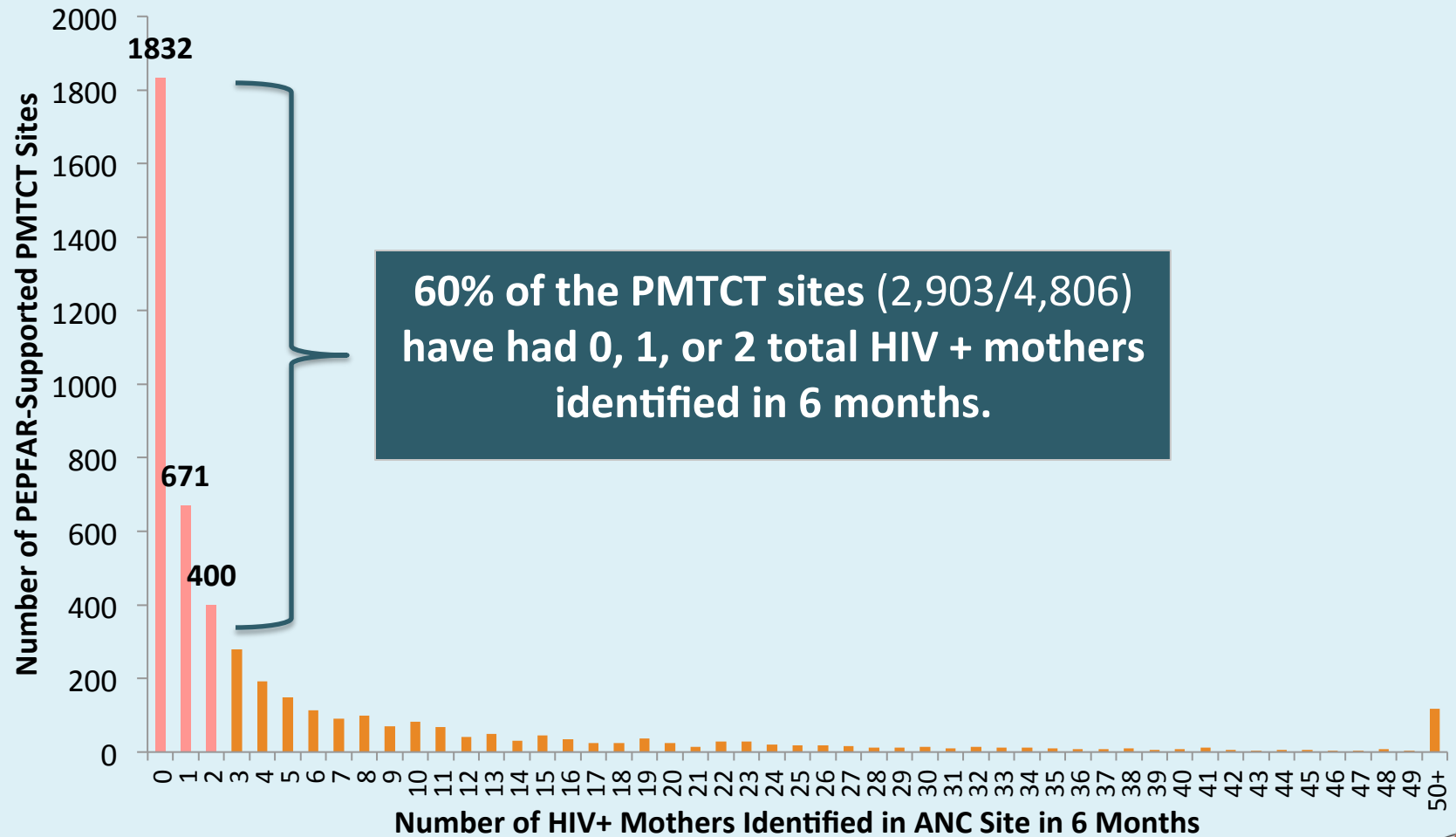


Source: UNAIDS, 2015



Geographic Refocusing Kenya: Prevention of Mother to Child

Inefficient Identification of HIV + mothers



LOW VOLUME SITES

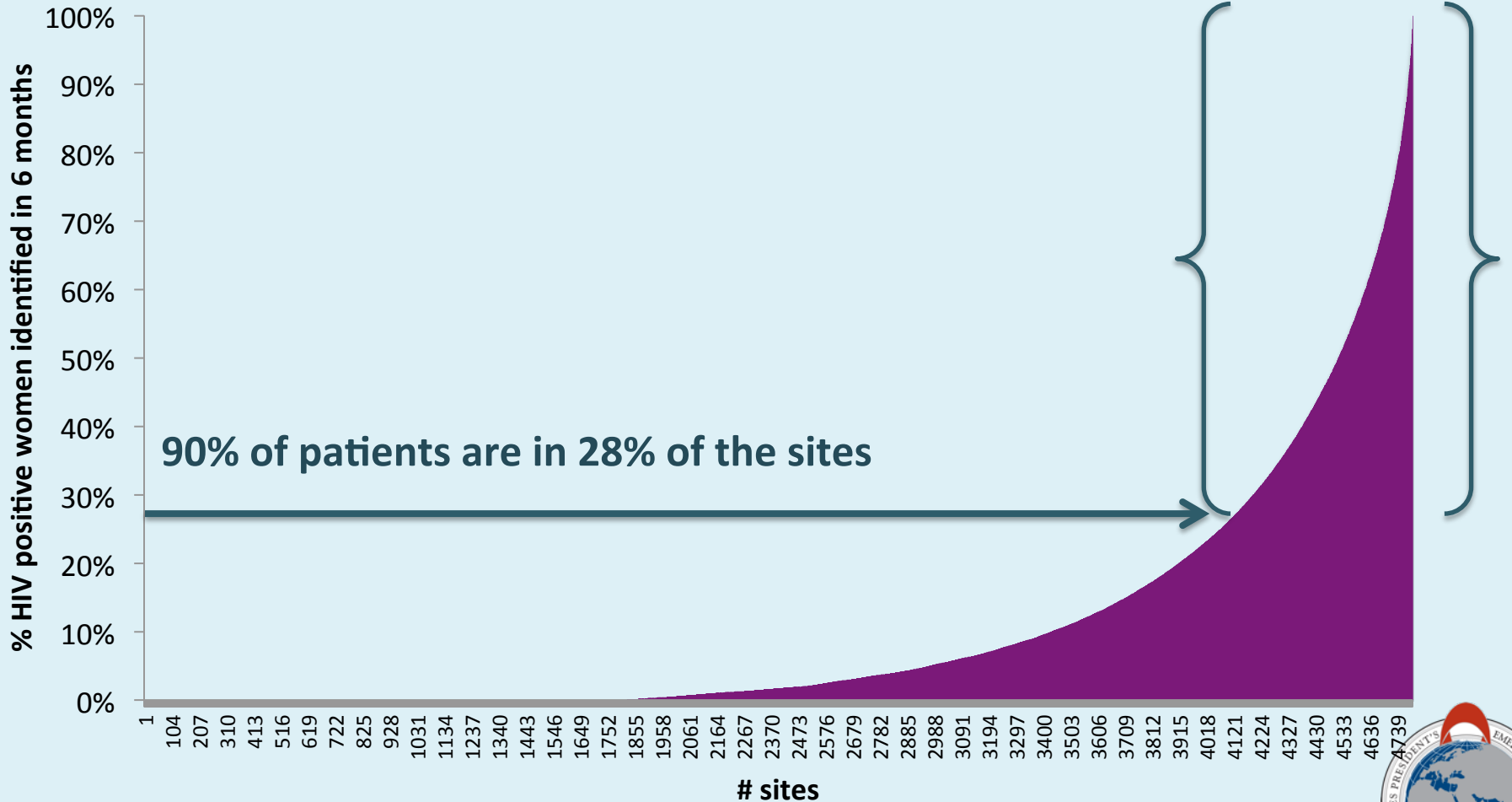
HIGH VOLUME SITES



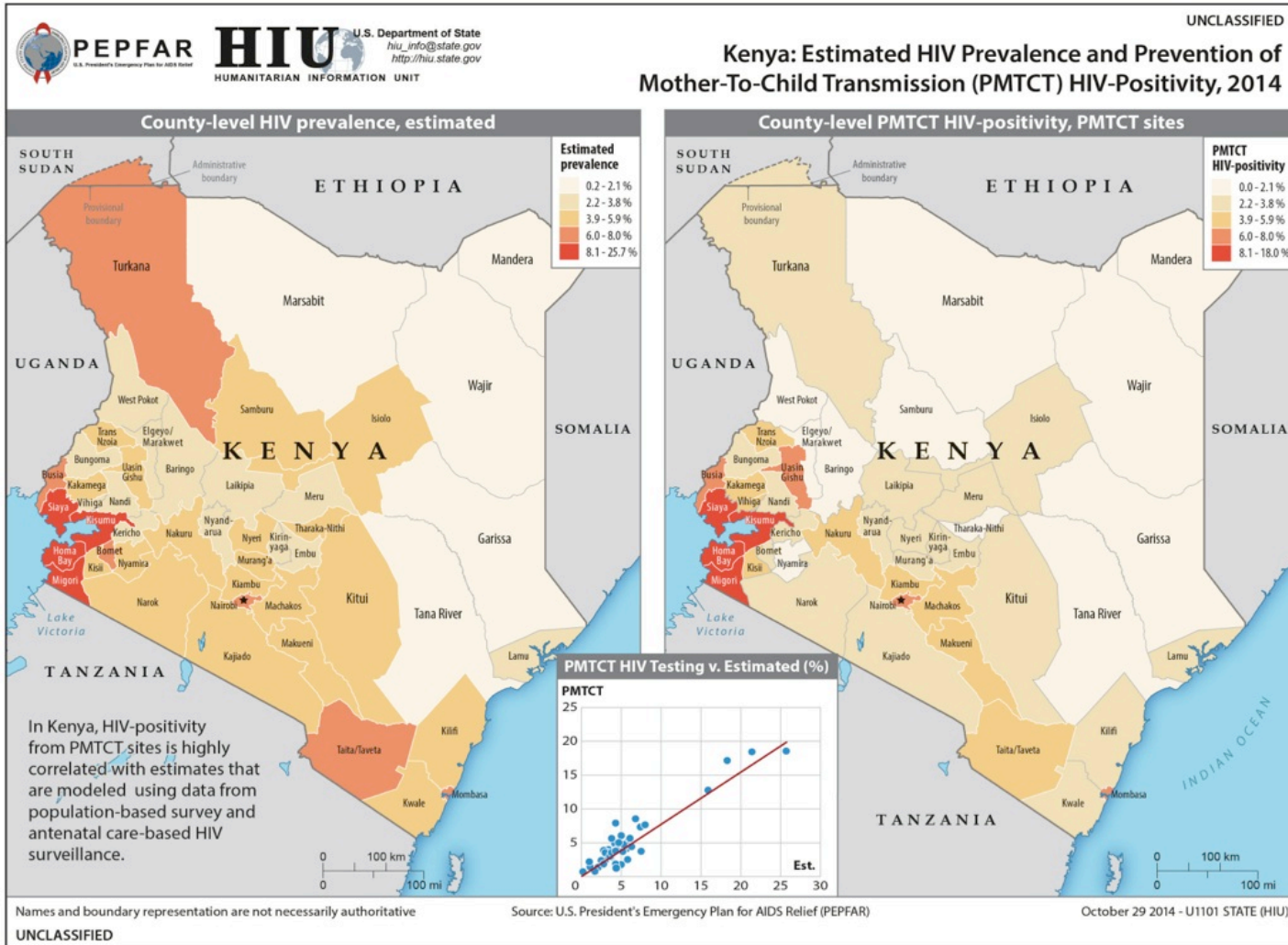
Geographic Refocusing in Kenya

% HIV Positive Women Identified in PMTCT Sites

Kenya PMTCT Site Yield Distribution (SAPR14)



Kenya: HIV Prevalence, Model Output & PMTCT Site Prevalence - Using Data to Refine Disease Burden 2014





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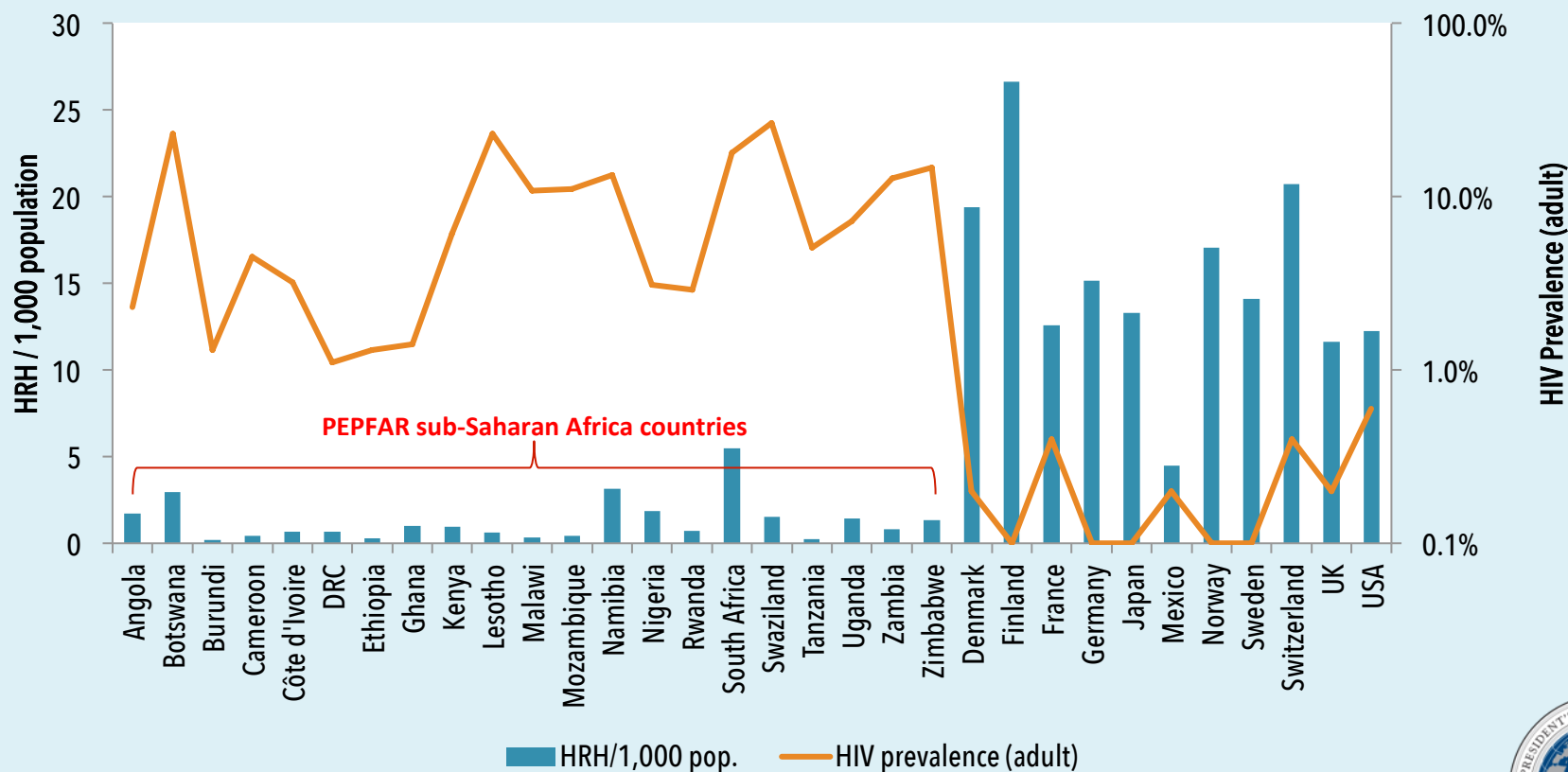
A NEW PARADIGM

Using enhanced data to target interventions

Now we are moving from this...

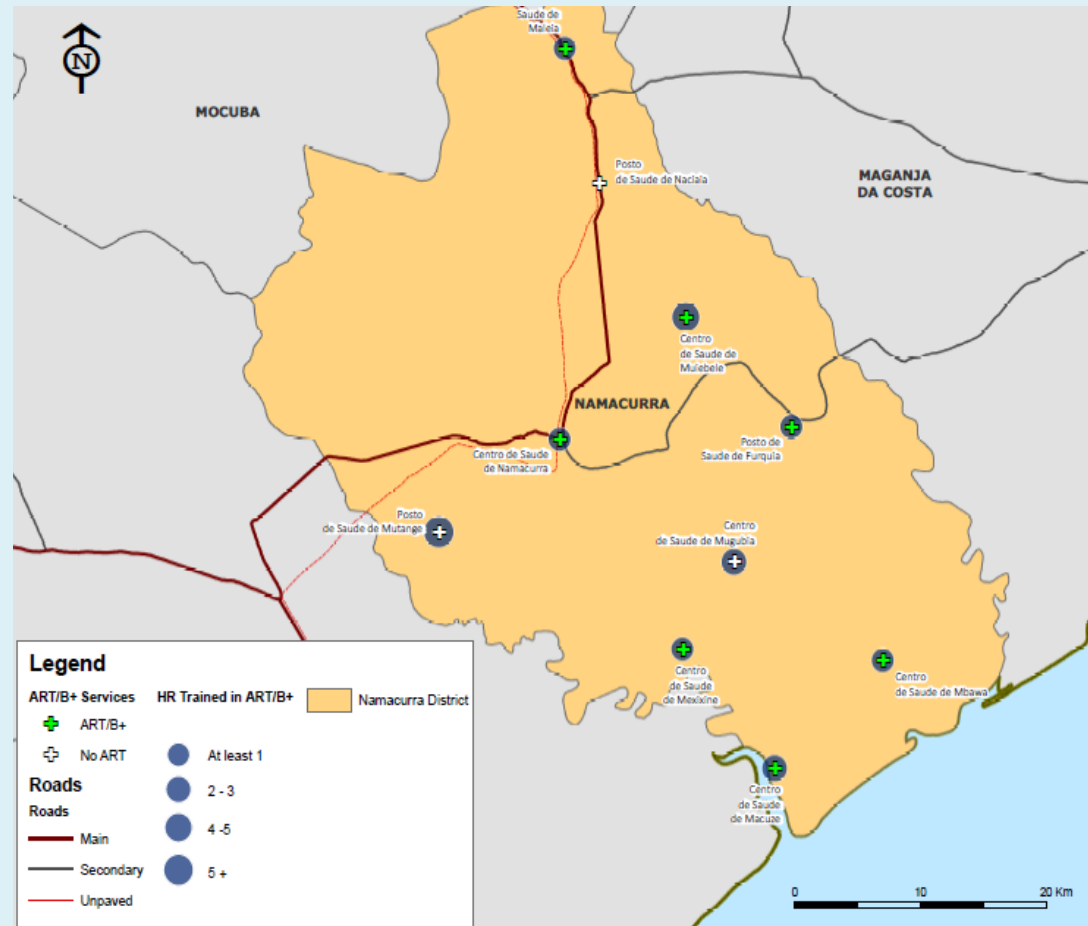
Focus on getting as many high-quality trained HRH to high burden countries as possible

HRH per 1,000 population and HIV prevalence, select countries, 2013



...to truly targeted HRH investments

Using site-level data to target HRH resources where they are needed most



Focusing Programs & HRH in the Right Places

- Highest burden countries
 - Prevalence & number of PLHIV
- Countries with greatest unmet need for services
 - Among general population
 - Among specific neglected populations
- Sub-national regions/districts with highest burden
 - Analyzing data to target programming geographically & among neglected populations
- Highest volume facilities
 - Analyzing site-level data to prioritize support to facilities and communities with greatest need



Kenya: HIV+ Pregnant Women & PMTCT Services



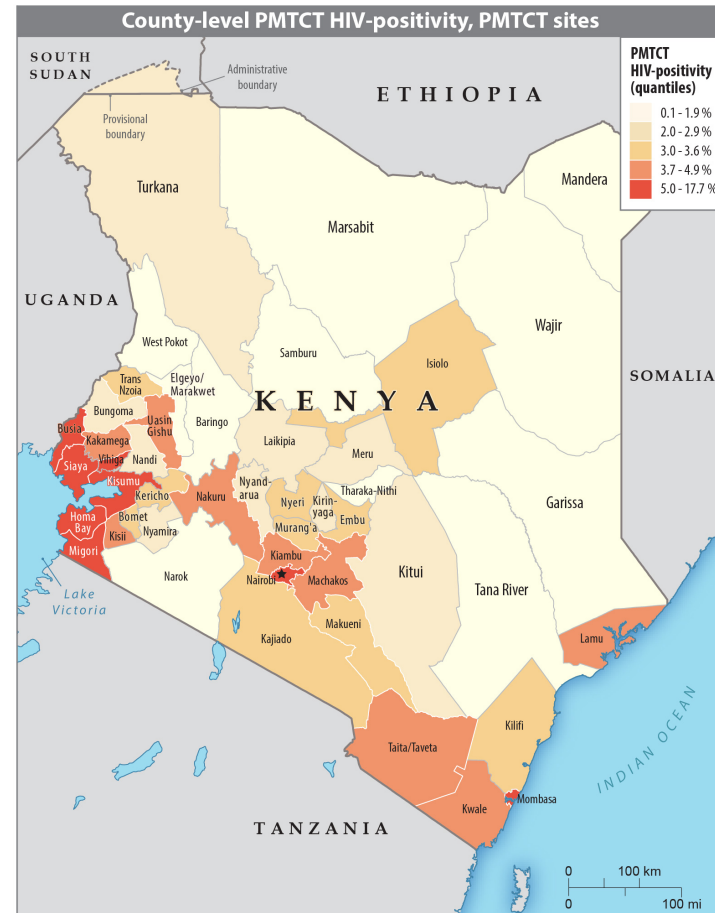
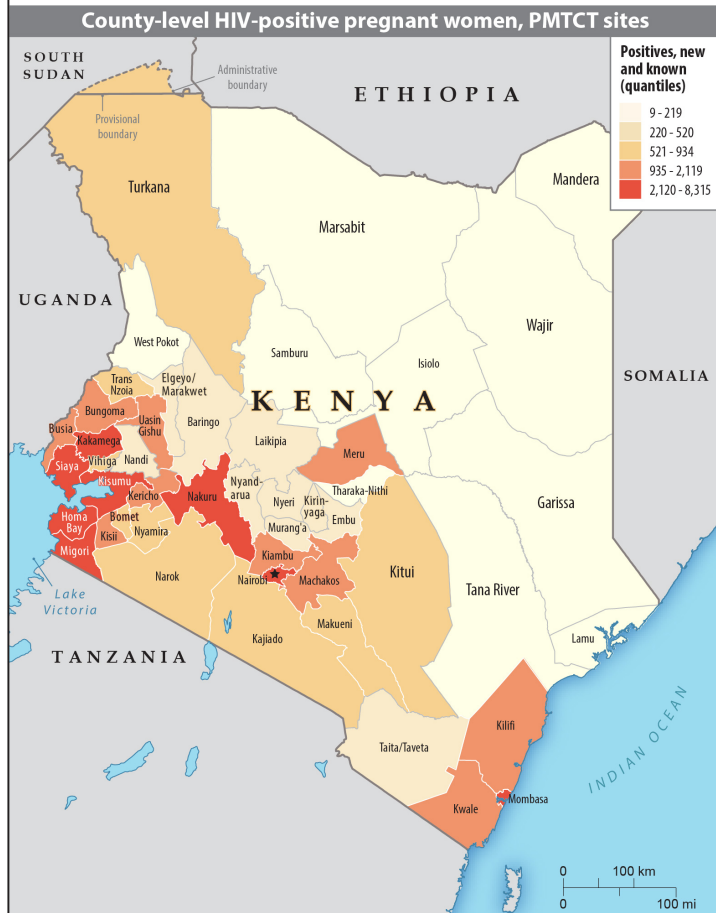
PEPFAR
U.S. President's Emergency Plan for AIDS Relief



HIU U.S. Department of State
hiu_info@state.gov
http://hiu.state.gov
HUMANITARIAN INFORMATION UNIT

UNCLASSIFIED

Kenya: HIV-positive Pregnant Women and Prevention of Mother-To-Child Transmission (PMTCT) HIV-Positivity, 2014



Names and boundary representation are not necessarily authoritative

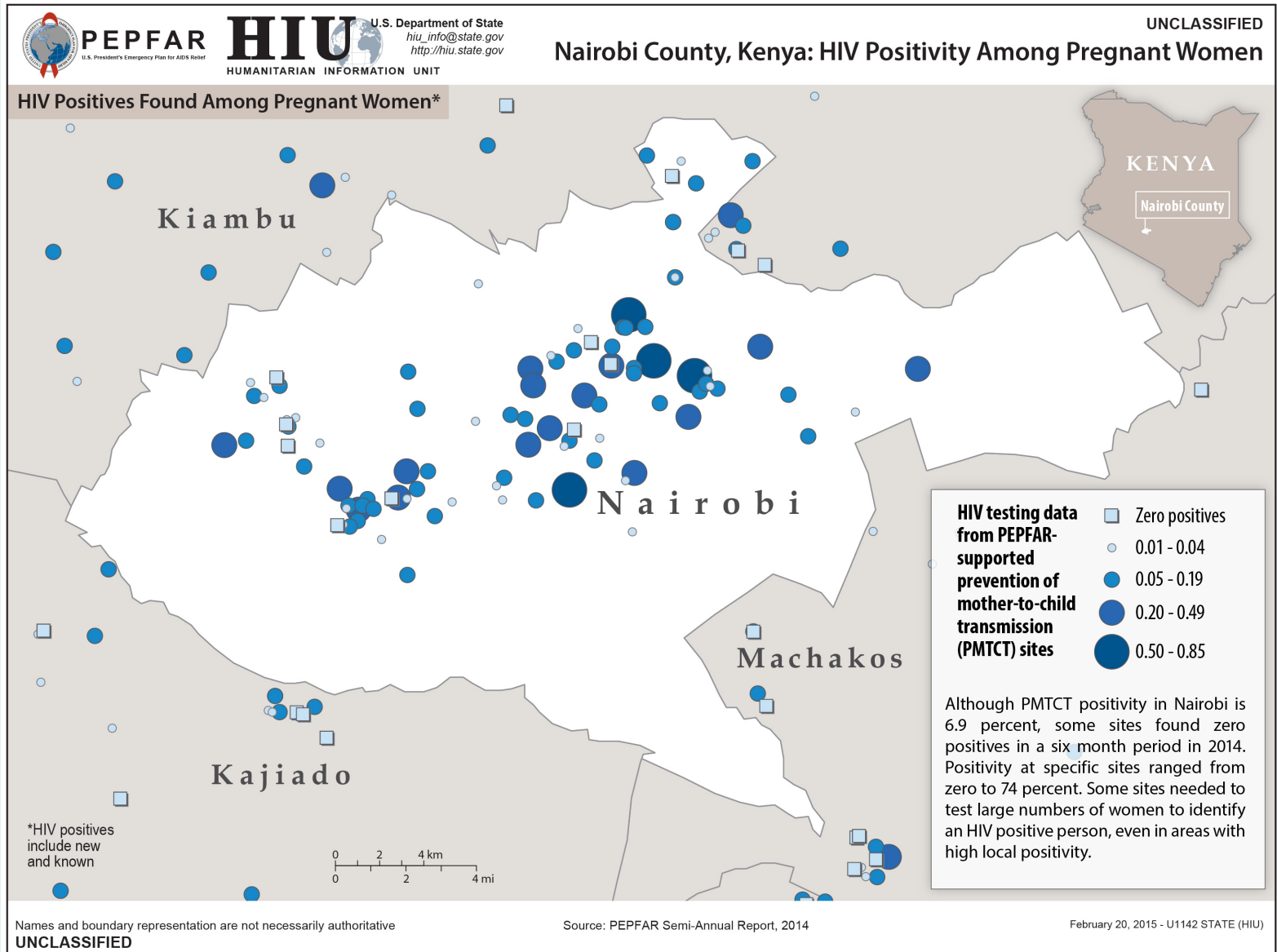
Source: U.S. President's Emergency Plan for AIDS Relief (PEPFAR)
Annual Program Report (APR), 2014

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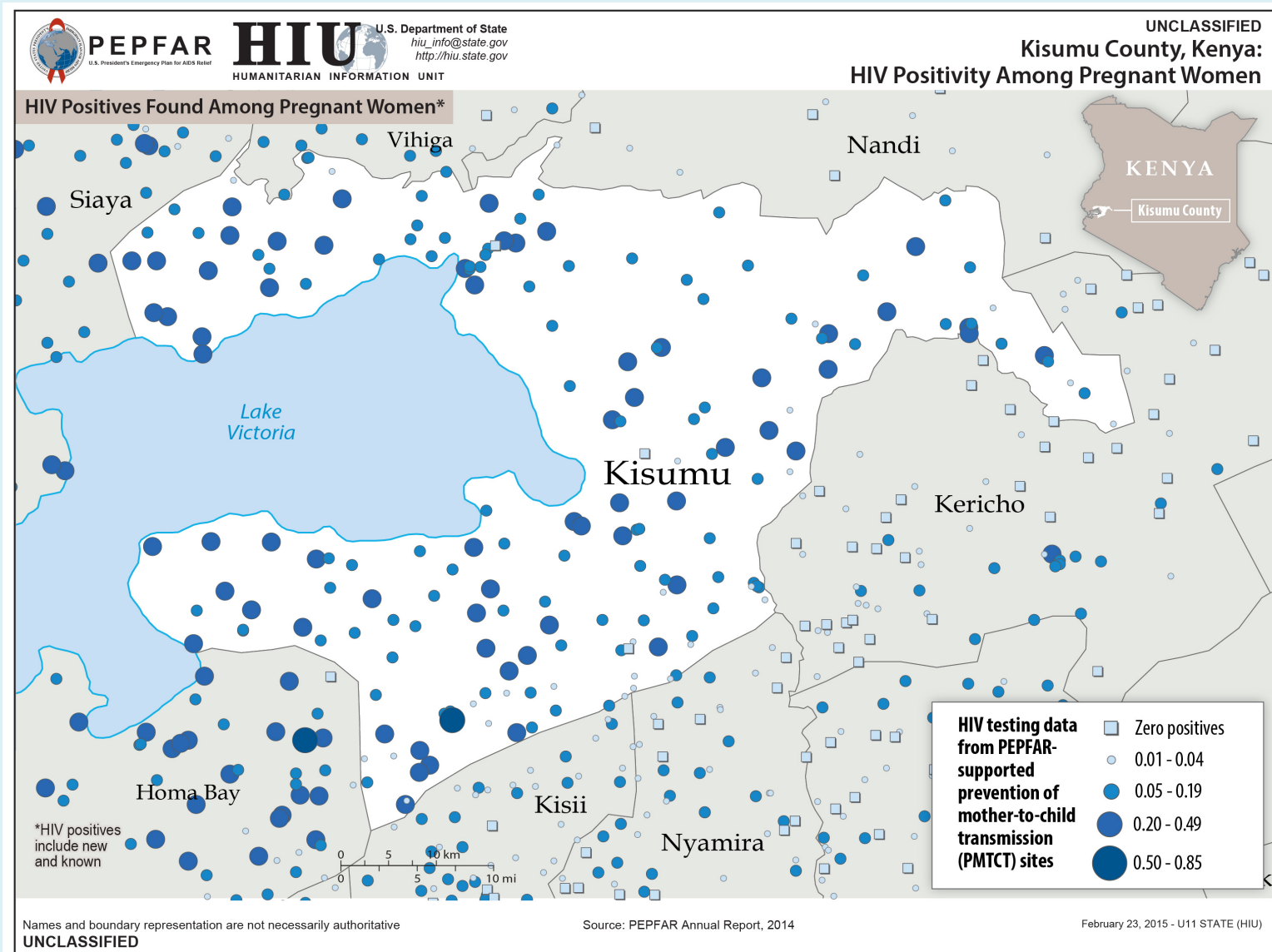
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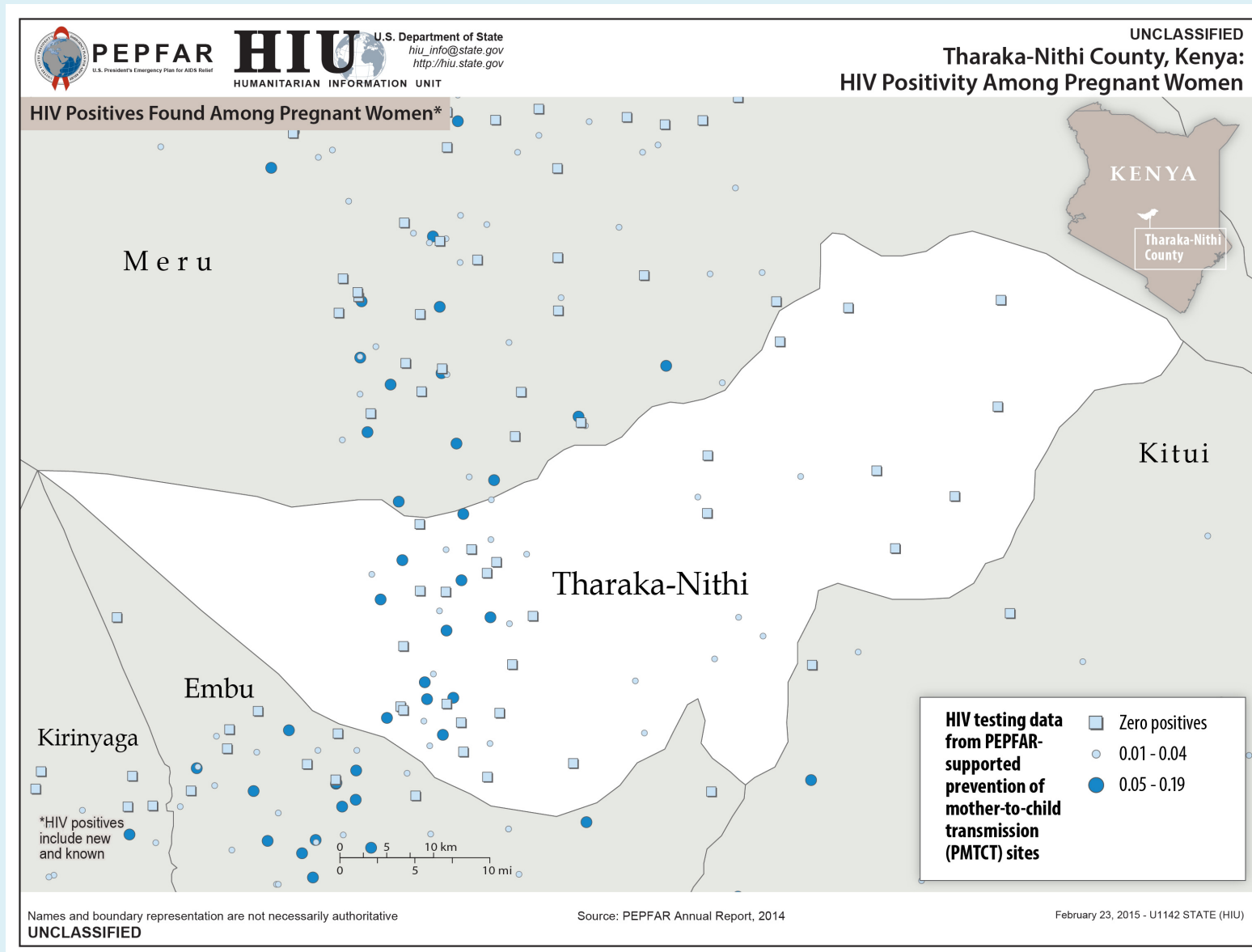
Nairobi: HIV Prevalence at ANC/PMTCT Sites



Kisumu: HIV Prevalence at ANC/PMTCT Sites



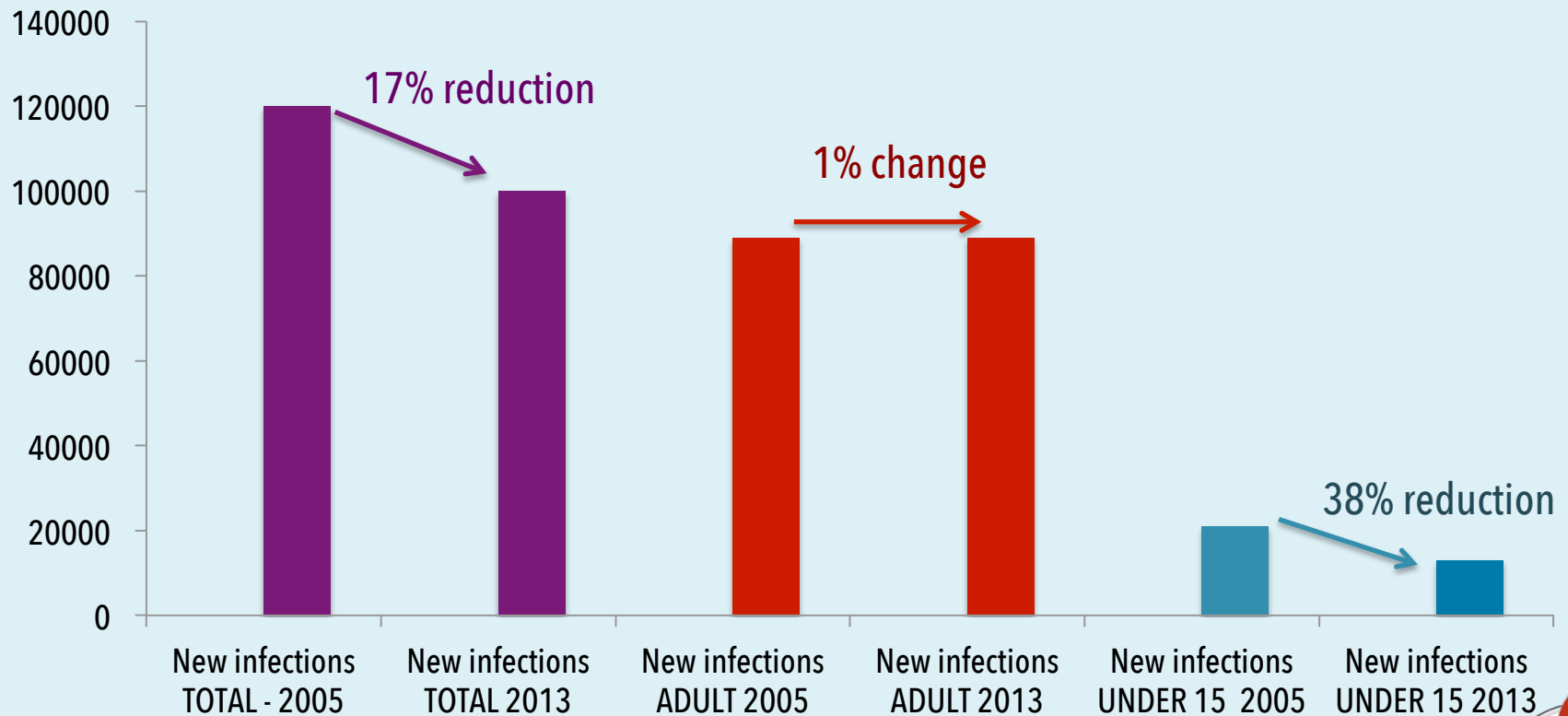
Tharaka-Nithi: HIV Prevalence at ANC/PMTCT Sites



Kenya: New HIV Infections

Total, Adult, & Children Under 15 years

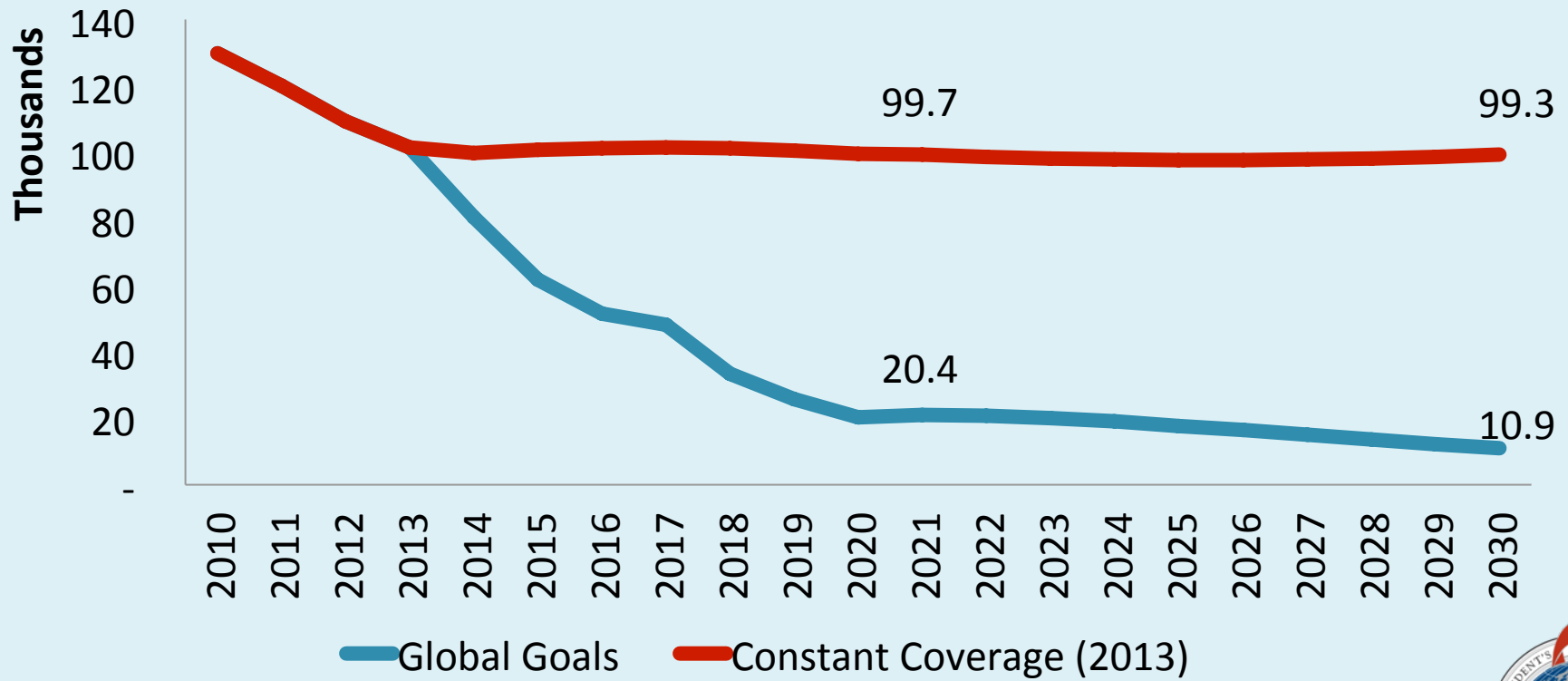
New HIV Infections in Kenya, 2005 & 2013
Total, Adult, and Children Under 15



Kenya: Targets to End AIDS by 2030

Targets for prevention and treatment services

New HIV Infections Kenya 2010-2030





5

VISION FOR PEPFAR

Achieving an AIDS Free Generation with Accountability,
Transparency, and Impact

PEPFAR's 3 Guiding Pillars

Delivering an AIDS-Free Generation with Sustainable Results

AIDS-free Generation

Accountability

Demonstrate cost-effective programming that maximizes the impact of every dollar invested

Transparency

Demonstrate increased transparency with validation and sharing of all levels of program data

Impact

Demonstrate sustained control of the epidemic – save lives and avert new infections



A New Era of Accountability, Transparency and Solidarity to Accelerate IMPACT

Striving to become a better partner

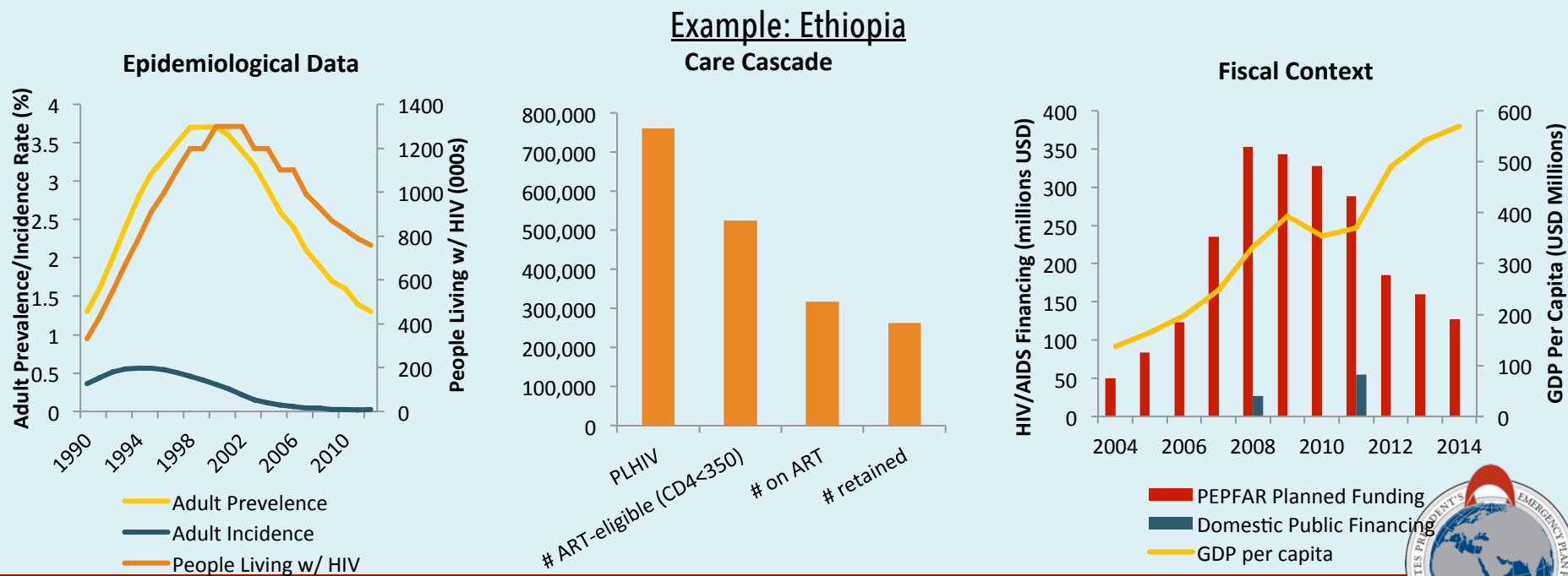
- More direct partnership with host countries and local organizations to build capacity gradually
- Fostering critical partnership with Global Fund
- Coordinating global target-setting with UNAIDS
- Engaging key private sector partners for innovative new initiatives
- Reinvigorating relationships with civil society to work together in true partnership



Goal isn't just epidemic control - it is sustained epidemic control

Development of SID (Sustainability Index and Dashboard)

- Significant progress in reducing HIV/AIDS morbidity and mortality
- PEPFAR has contributed to momentous increases in ART coverage
- Countries are positioned to increase domestic HIV investments





6

SUMMARY

Garnering the collective will to end AIDS

Together

True partnership for an AIDS-free generation

- We have the opportunity to control the HIV/AIDS epidemic in countries by doing the **right things** in the **right places** at the **right time** in partnership with host country and GF
- Do we have the collective will to **make the hard choices** to reach more in need by focusing resources and efforts?
- Can we increase impact with **innovations** to increase the effectiveness of our programming to decrease HIV transmission?
- **USG accountability** will continue to be enhanced to ensure achievement of the targets and ensuring HIV/AIDS epidemic control; **PEPFAR data will be available** to everyone for analyses



Because our work is not done. This week alone...



Over 3600 children died this week from HIV

Over 25,000 adults died this week from HIV

Over 4,600 babies were infected with HIV

Over 36,500 adults were infected of which more than 7000 were young women



THANK YOU!

