

90-90-90 and PEPFAR 3.0: Pivoting Toward HIV Control

Controlling the HIV Epidemic with Antiretrovirals -
Having the Courage of Our Convictions

October 1-2, 2015
Paris, France

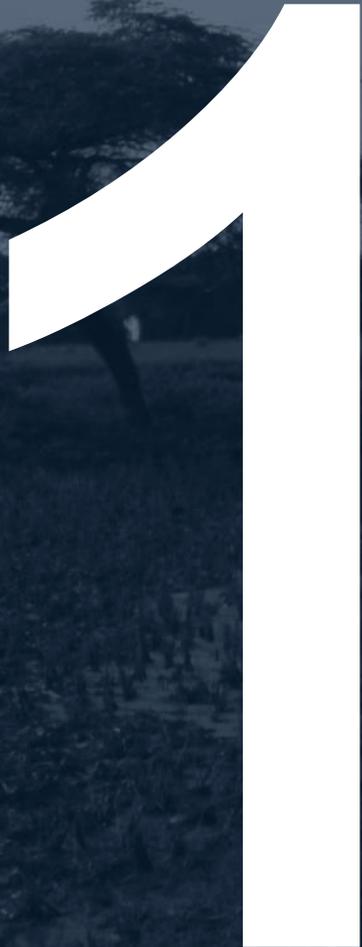
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Chief Medical Officer
Office of the U.S. Global AIDS Coordinator and Health Diplomacy



Outline

- Rationale for Fast Tracking PEPFAR 3.0
- “PEPFAR Pivot”
 - early example
 - optimizing efficiencies
 - maximizing impact
- ***Having the Courage of Our Convictions***
- Partnership & Together: an AIDS Free Generation





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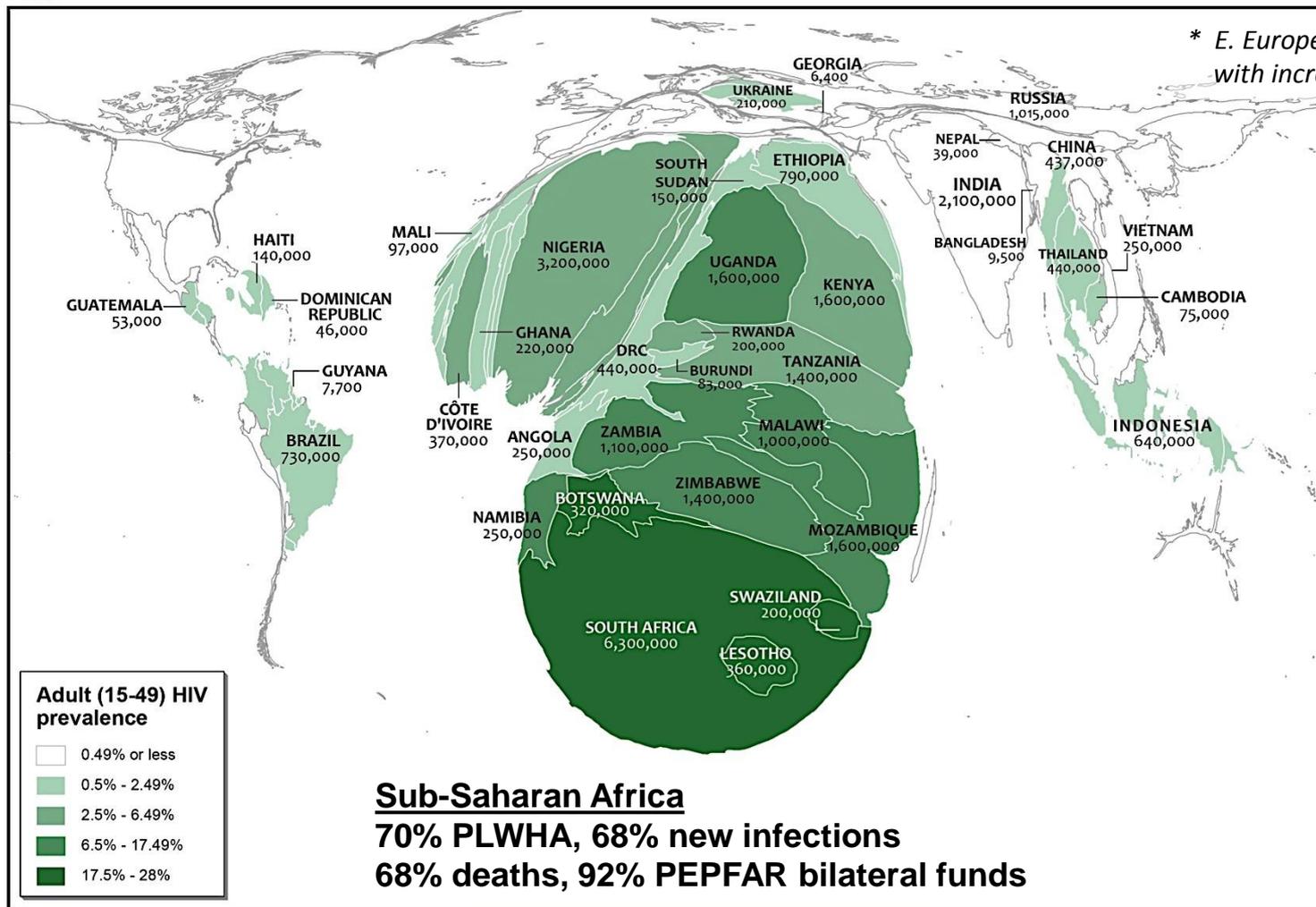
THE HIV/AIDS EPIDEMIC

Dissecting & disaggregating data:
Rationale for the PEPFAR 3.0 pivot

HIV Prevalence & Burden, 2013



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



* E. Europe/Central Asia:
with increasing new infections

Adult (15-49) HIV prevalence

- 0.49% or less
- 0.5% - 2.49%
- 2.5% - 6.49%
- 6.5% - 17.49%
- 17.5% - 28%

Sub-Saharan Africa
70% PLWHA, 68% new infections
68% deaths, 92% PEPFAR bilateral funds

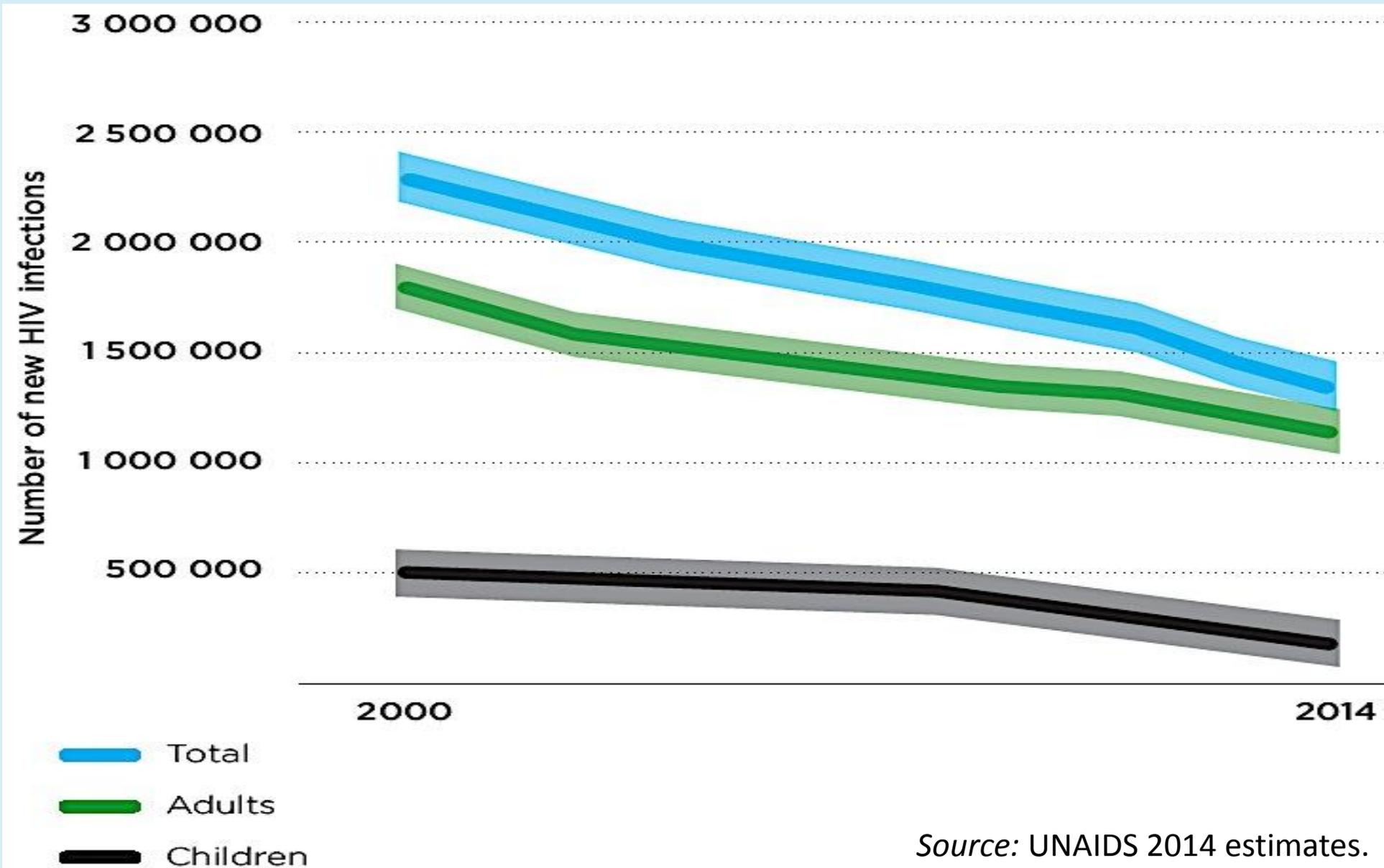
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Sources: WHO; CDC; UNAIDS; National Health and Family Planning Commission of The People's Republic of China

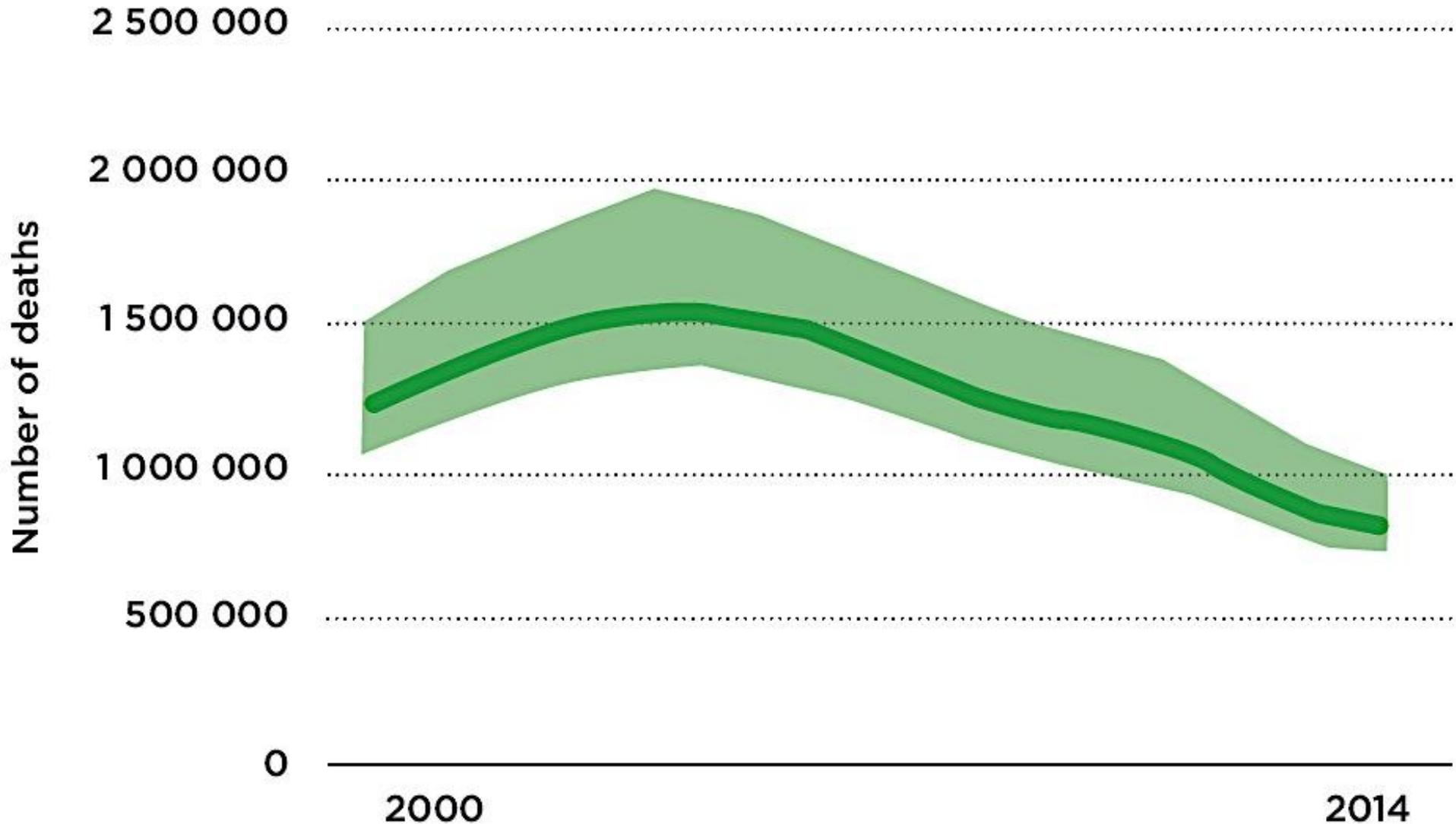
February 20, 2015 U1183 STATE (HIU)



New HIV infections in sub-Saharan Africa, 2000–2014

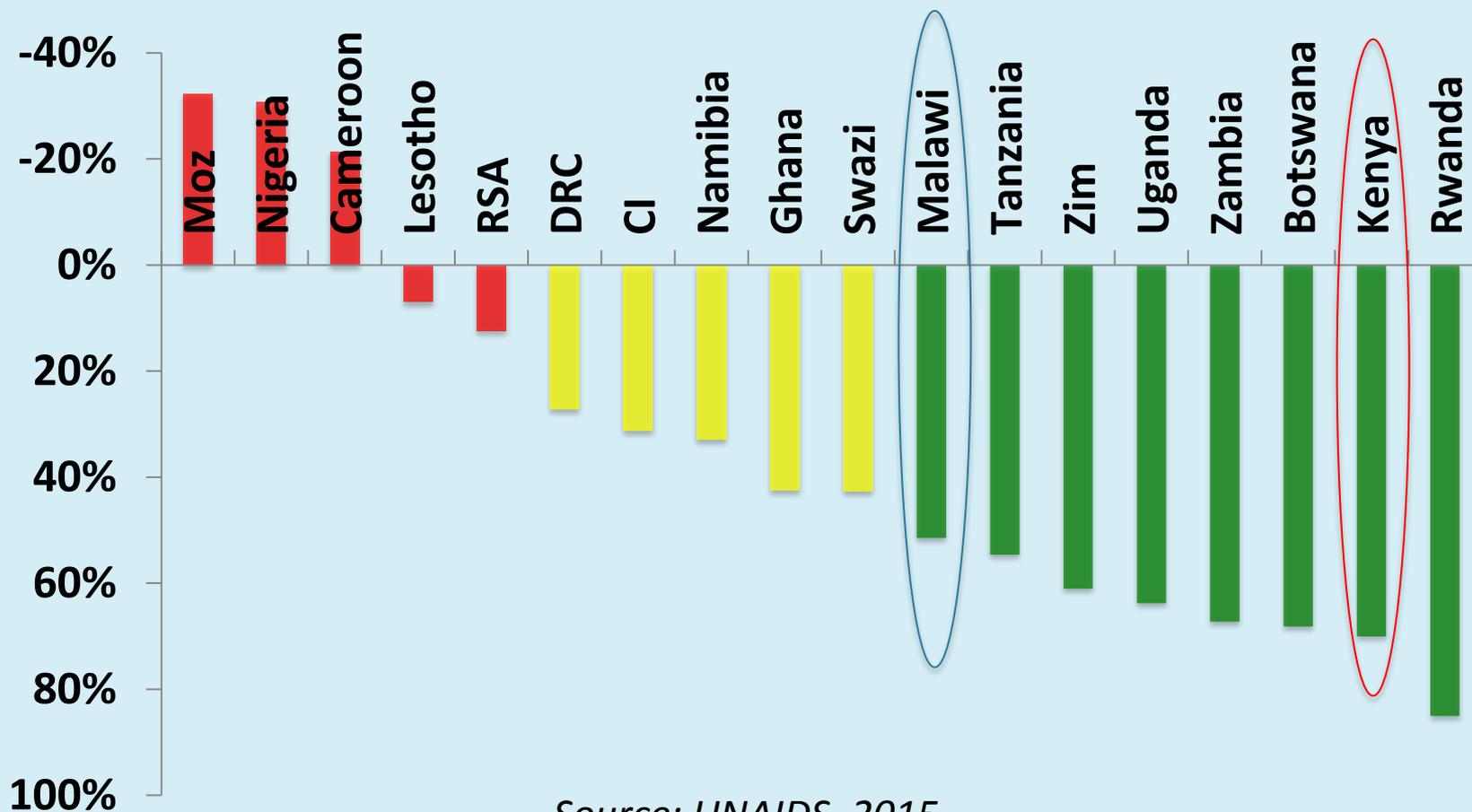


AIDS-related deaths in sub-Saharan Africa, 2000–2014



Source: UNAIDS 2014 estimates.

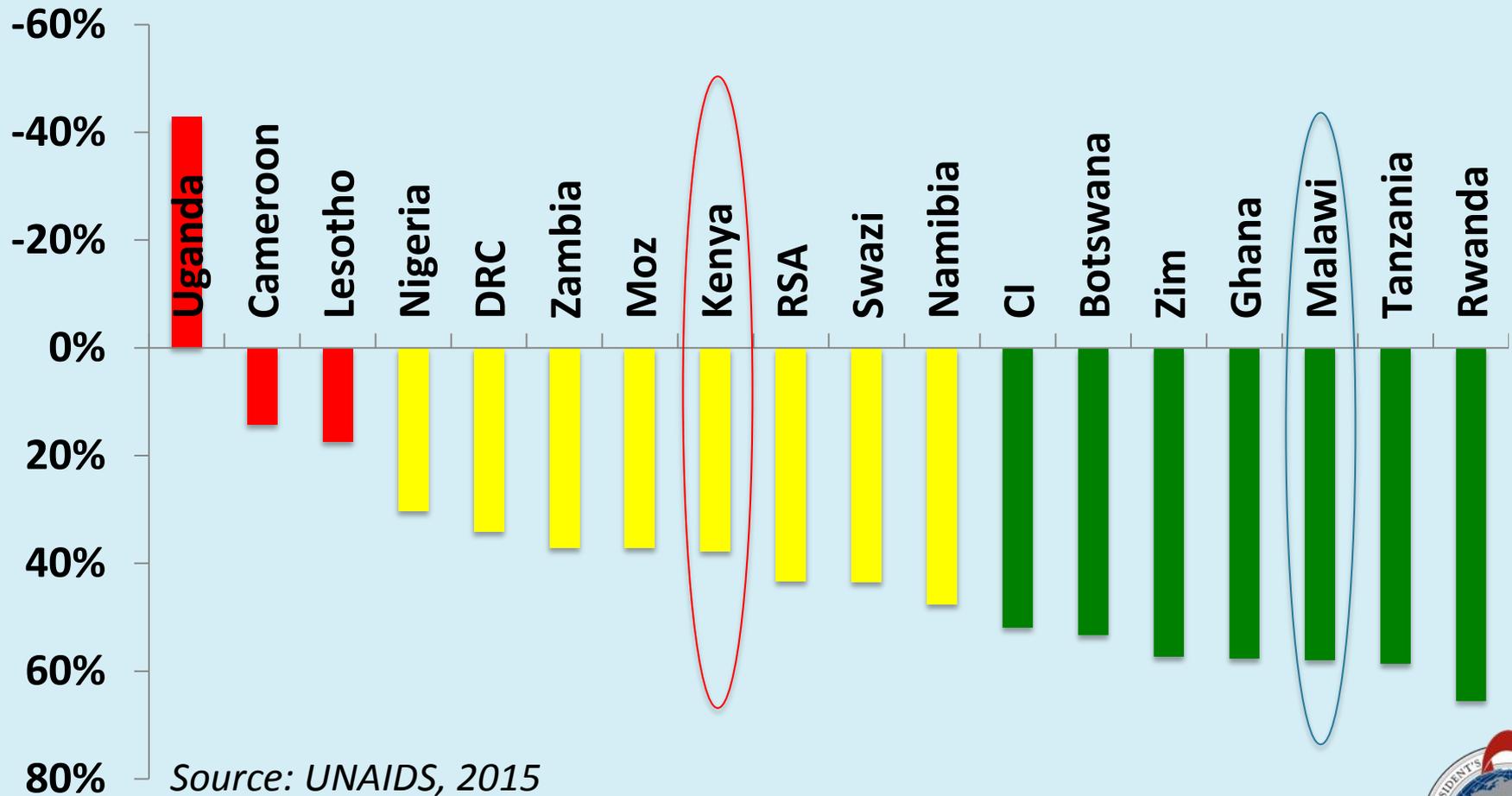
% Change in HIV/AIDS Deaths (2000-2014)



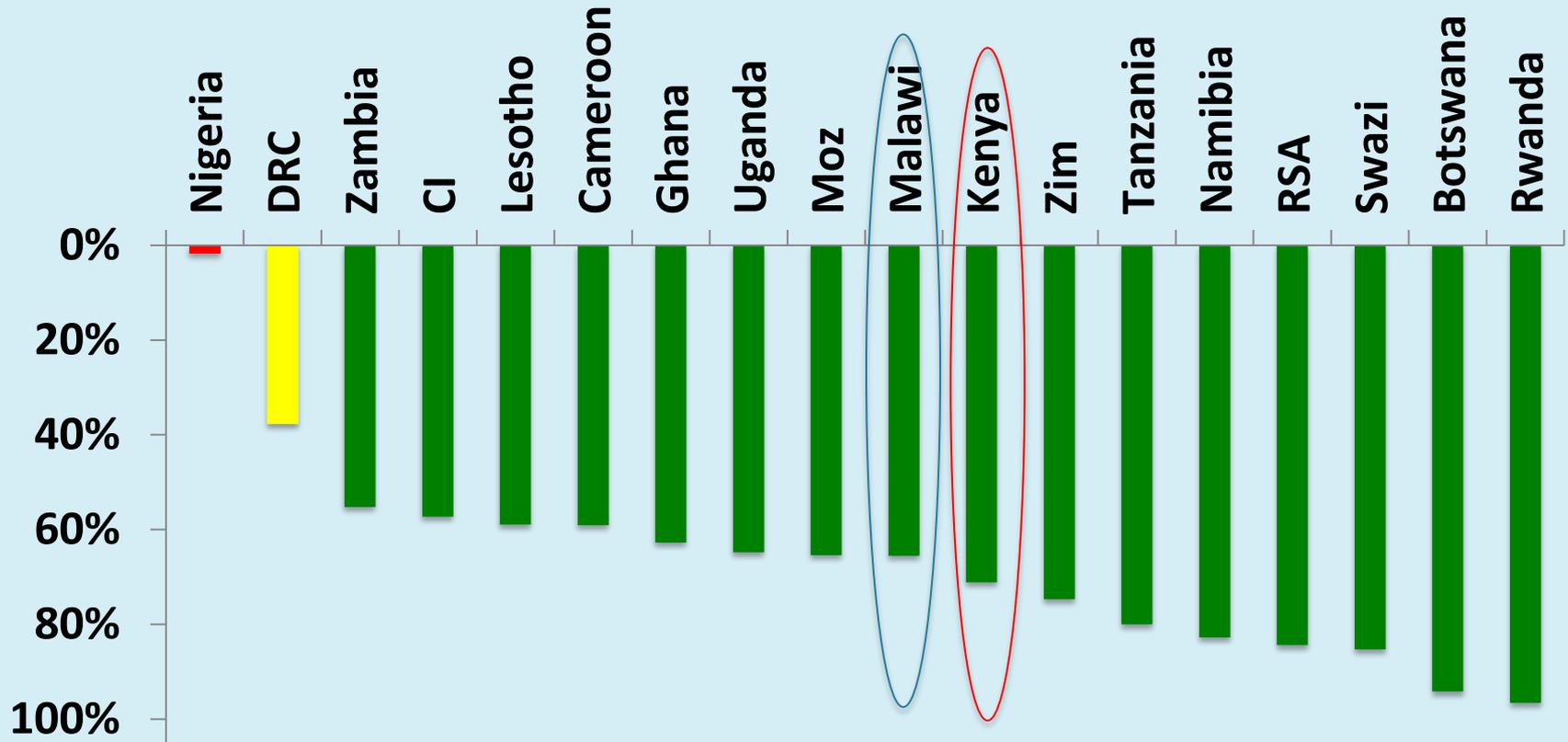
Source: UNAIDS, 2015



% Change in HIV/AIDS *New Infections* (2000-2014)



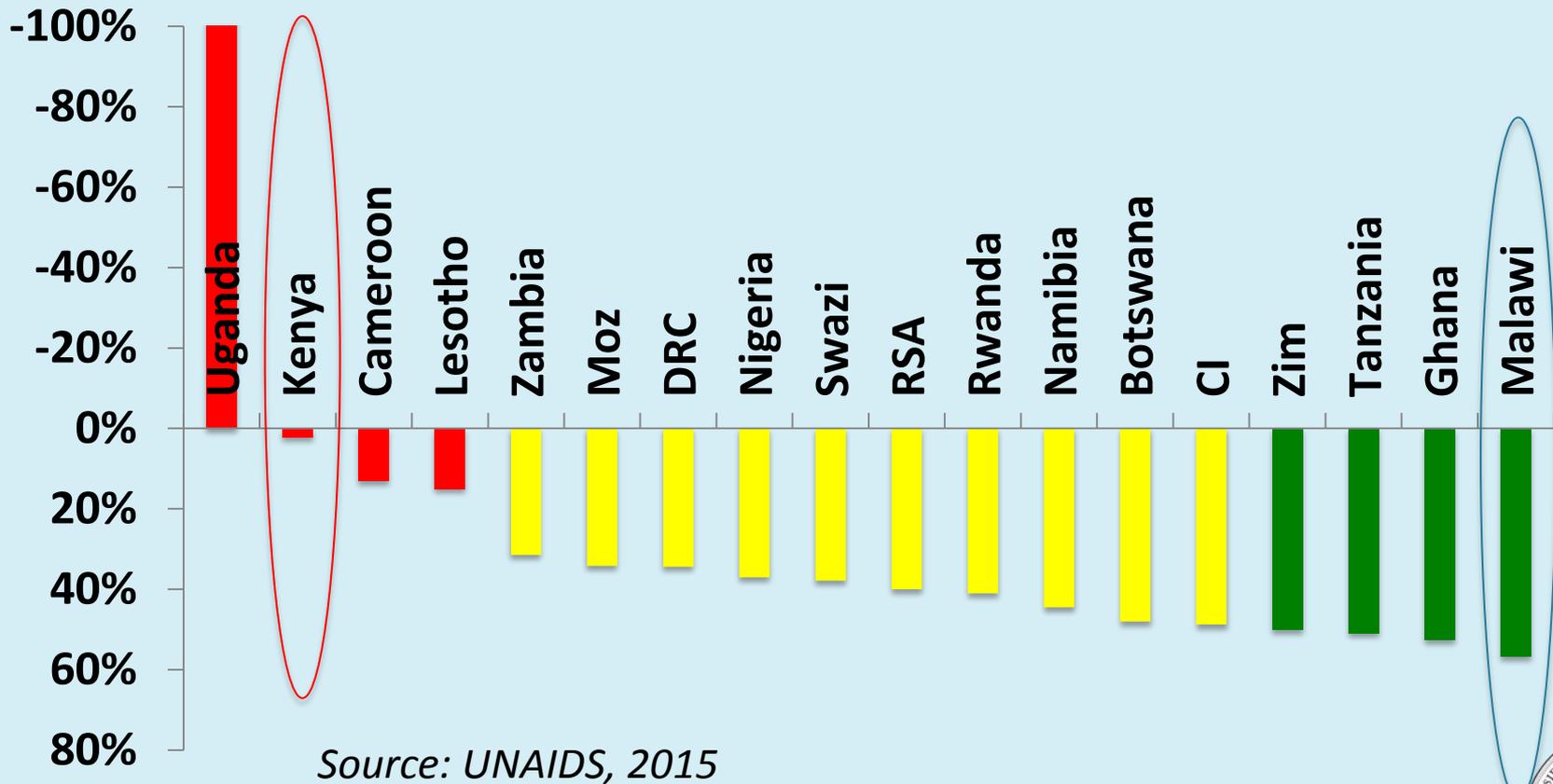
% Change in HIV/AIDS *Child New Infections* (2000-2014)



Source: UNAIDS, 2015



% Change In HIV/AIDS *Adult New Infections* (2000-2014)



1 B

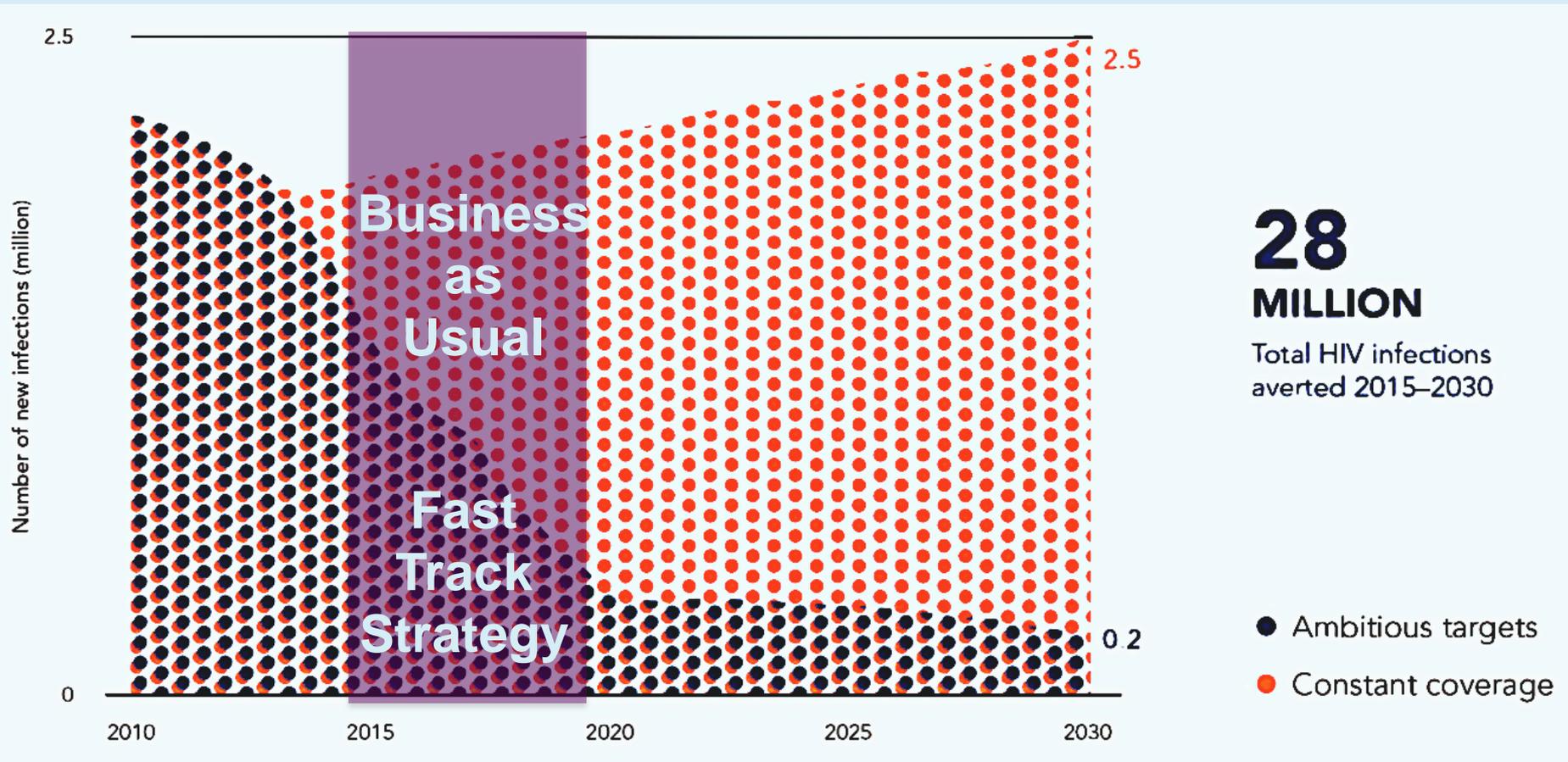
THE CHALLENGE

Ending AIDS within current resource envelope:

MORE

Rationale for the PEPFAR 3.0 pivot

We have a **5**-YEAR WINDOW

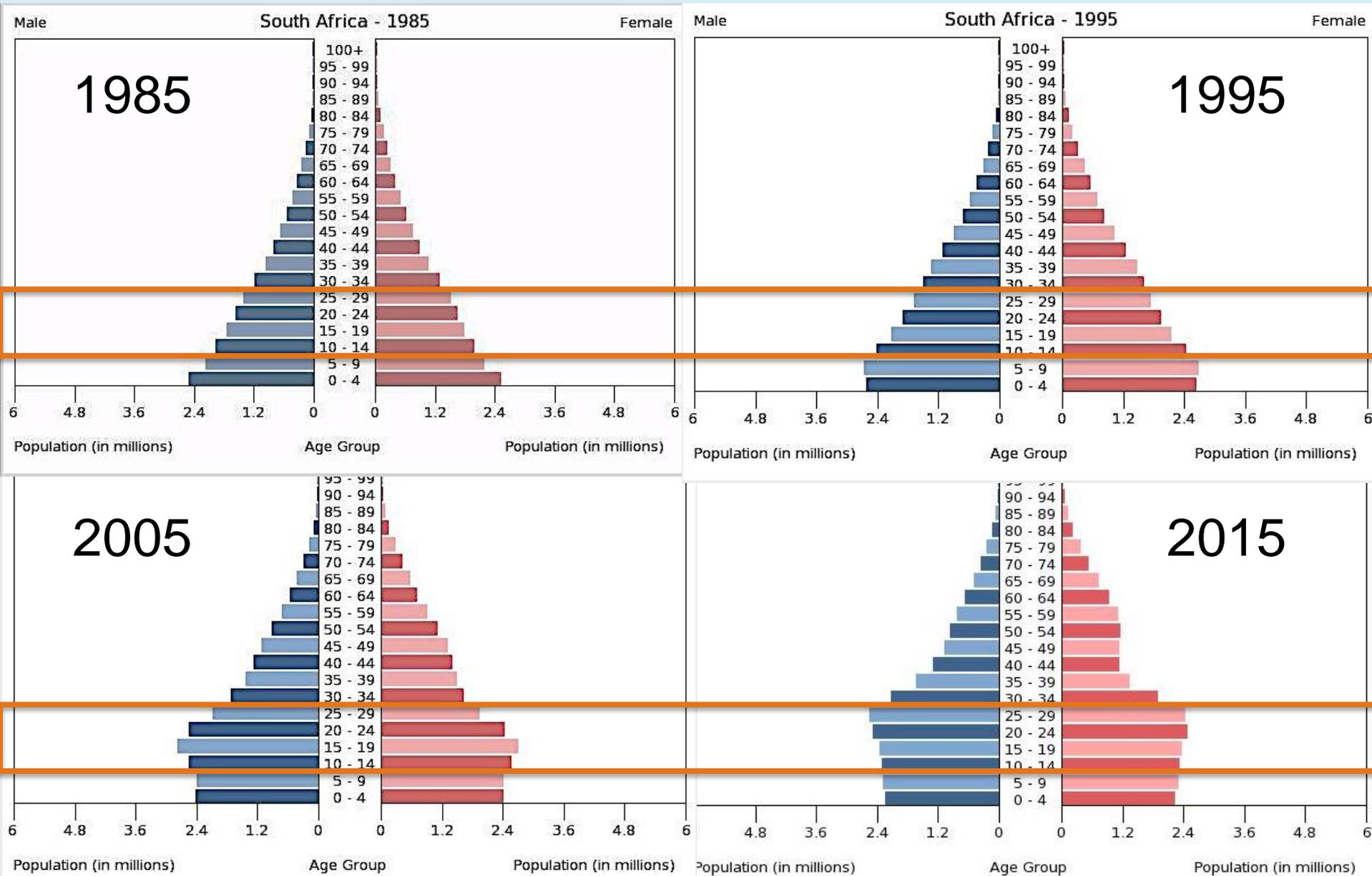


Source: UNAIDS, 2015



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

Demographic shift in RSA: 10-29 year olds



PEPFAR & GF Funding Has Plateaued

PEPFAR annual funding (\$USD Millions)



Global Fund
Bilateral HIV/AIDS programs

Indivs on PEPFAR-supported treatment (millions)



2

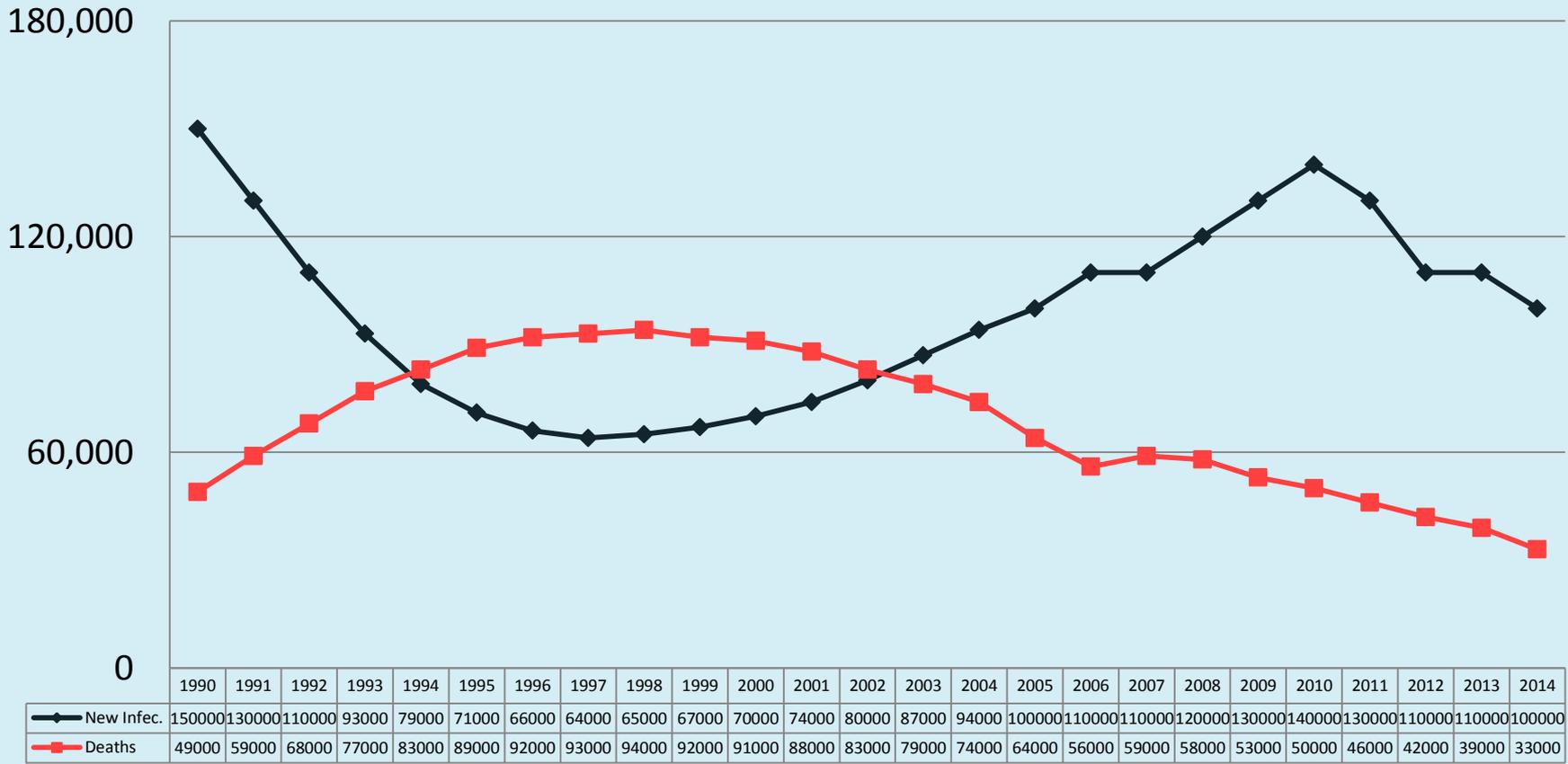
UGANDA

An early pivot:

*We can be agile as governments
and pivots can be sustained*

Estimated Number of New HIV Infections and AIDS Deaths by Year

Uganda

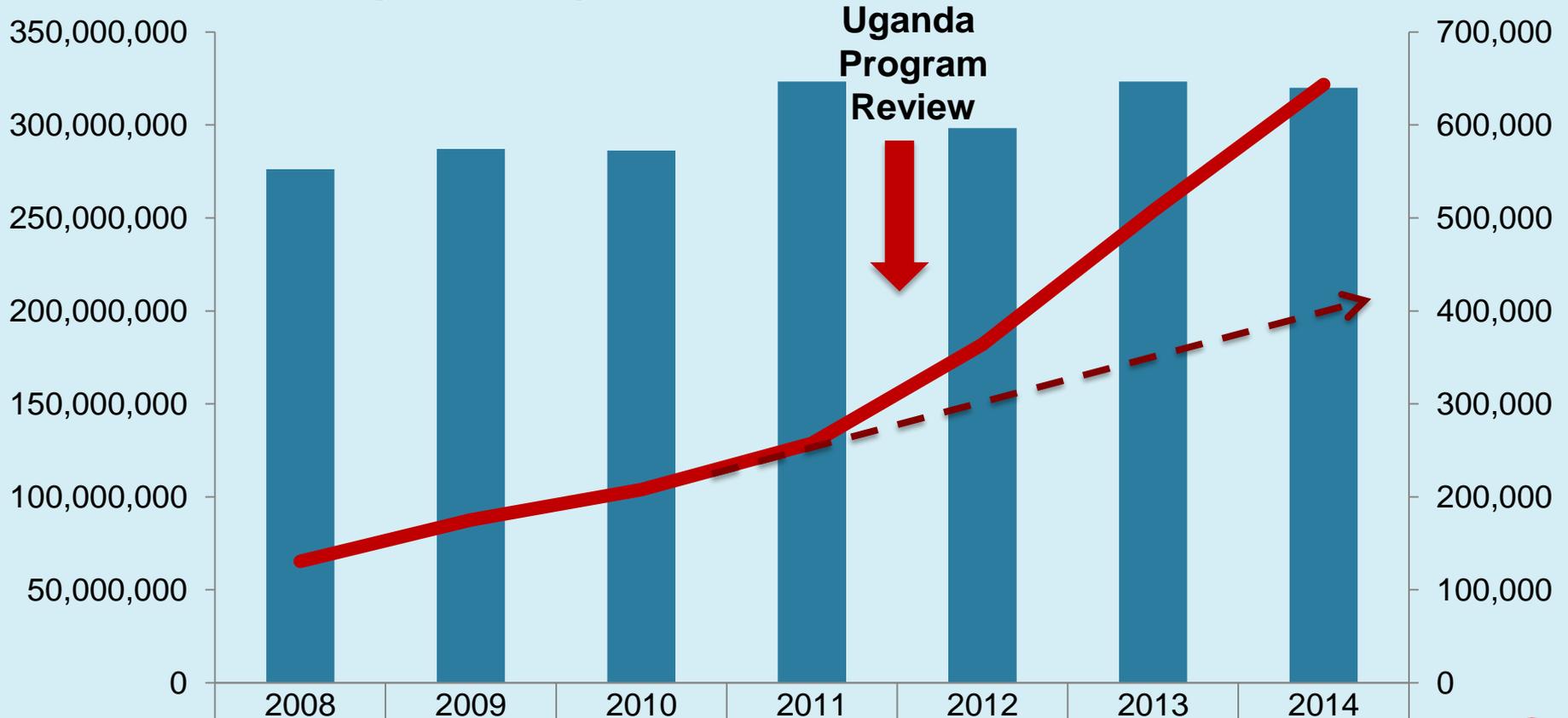


Source: UNAIDS How AIDS changed everything – <http://aidsinfo.unaids.org/>



Uganda: Focus on Core (Treatment)

PEPFAR Uganda Budget and Adults & Children on ART, 2008-2014

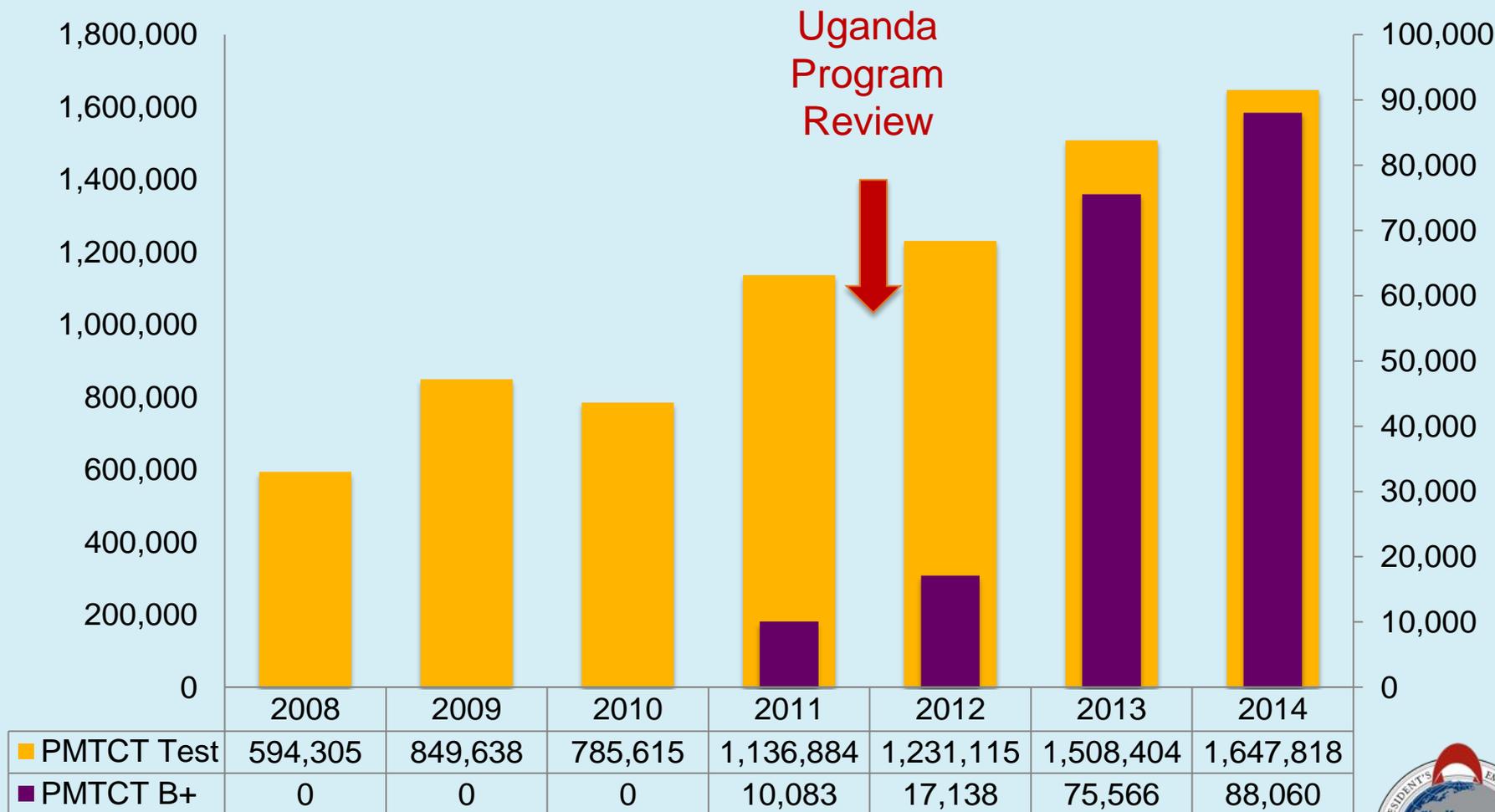


	2008	2009	2010	2011	2012	2013	2014
Budget	276,262,3	287,113,7	286,258,3	323,388,3	298,388,3	323,388,3	320,000,0
ART	130,837	175,367	207,872	257,689	364,207	507,633	643,458

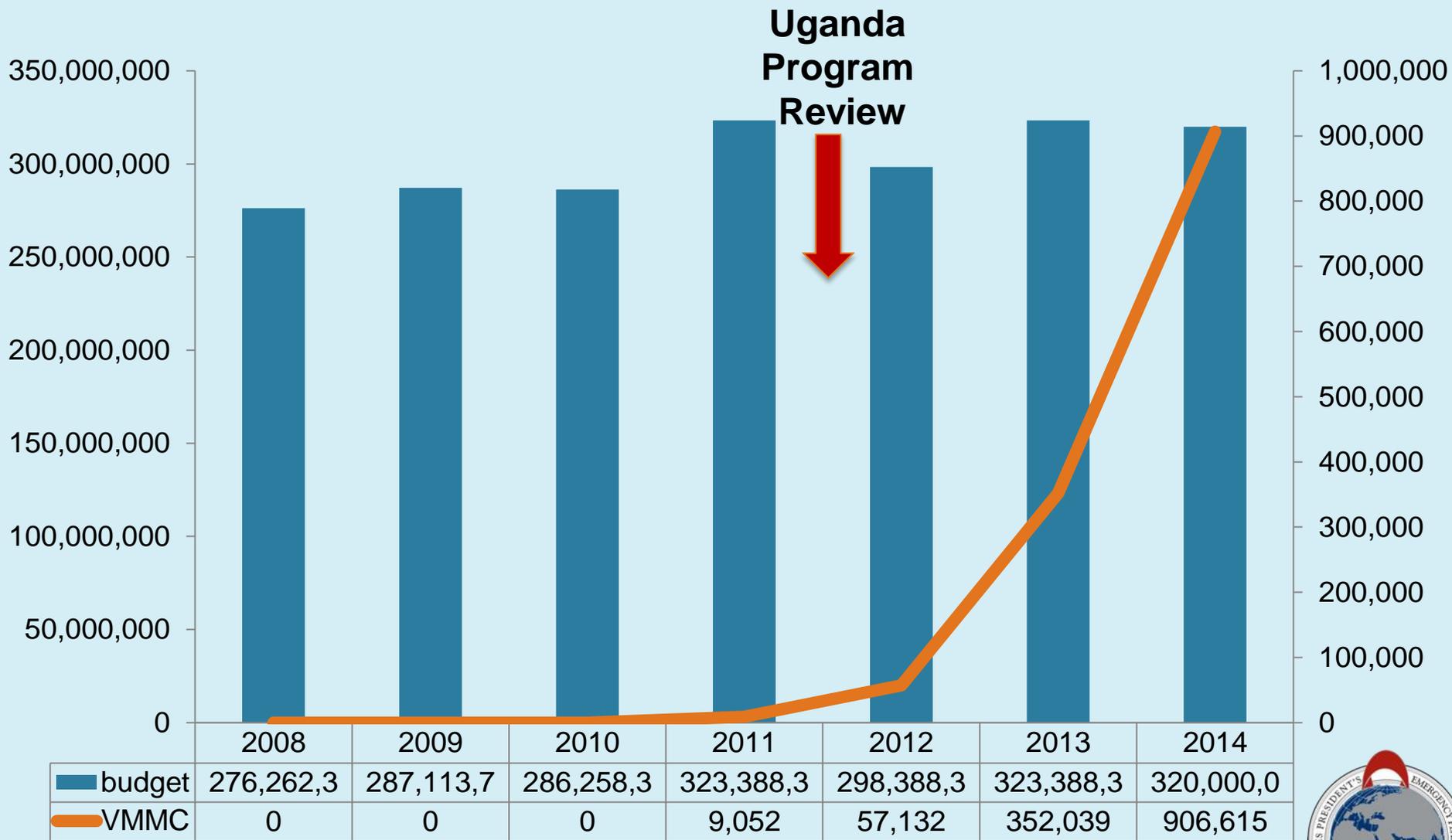


Uganda: Focus on Core (PMTCT) B+ Acceleration

PEPFAR Uganda PMTCT: Testing of Pregnant Women & Lifelong ART for Mothers



Uganda: Focus on Core (VMMC)



PEPFAR 3.0

Achieving 90/90/90 targets & epidemic control with the current global budget will require delivering the

Right Things
in the
Right Places

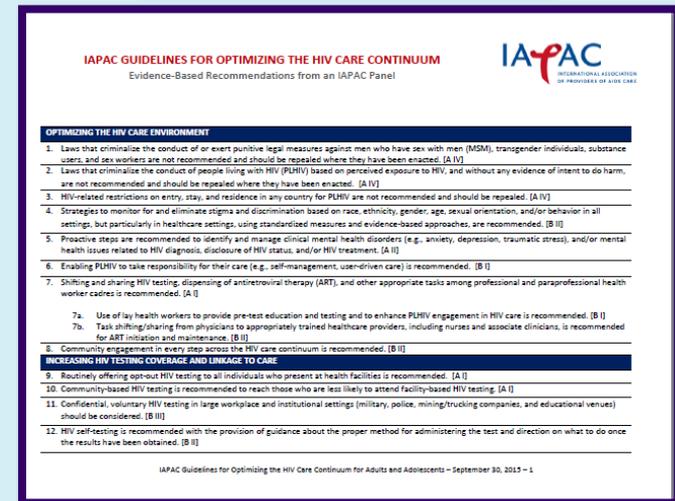
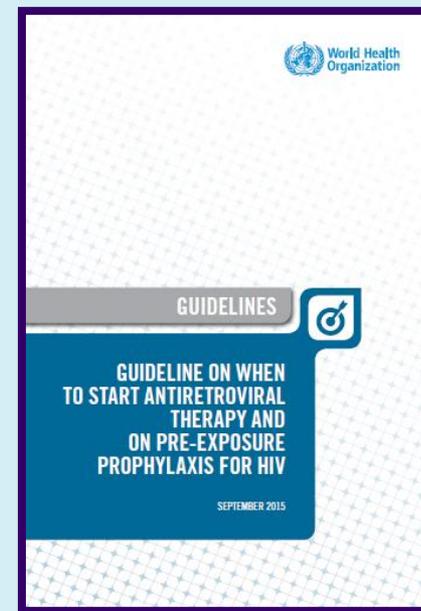
Right Now
In the Right Way

3

Right Things

- HIV Testing & LTC
- ART
- VMMC
- PMTCT/Option B+
- Condoms

✓ **Test and START**
✓ **PrEP**



Right Things in the Right Way

Analyzing Investments in Health Systems

Difference in Country Operation Plan 2013
(COP13)

Health Systems Strengthening (HSS)

Budget vs. Expenditures

COP 13 Budget \$296 M

EA 2014 Expenditure \$750 M

Difference \$454 M



Tanzania COP15 HSS Review

- Analysis of investments in health systems
 - Systematic, algorithm-driven review
(district priority, crucial to epidemic control, funding areas, linkages to lab, sustainability)
 - Pre-Review funding: 94.7M USD
 - Post-Review funding: 55.9M USD
- } **41%**



Health System Strengthening (HSS) COP15 Review & Upcoming COP16

COP15 Findings

1. HSS activities programmed from **non-HSS budget codes** not well coordinated or understood
2. Many HSS activities were **redundant**—costs carried by other program budget codes/targets, unnecessarily squeezed budget envelope

Immediate Next Steps

- 5 Countries for HSS reviews Oct-Dec

Criteria for HSS Investments in COP16

- HSS expenditures evaluated at activity level
 - Redundant?
 - Align with new geographic footprint?
 - Align with new intervention mix?
 - Accelerate achievement of epidemic control?



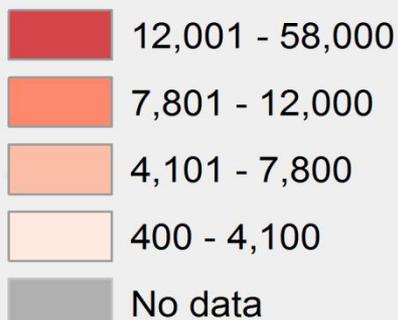
Right Places - Focusing Programs

- 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 our programming geographically & among neglected populations (e.g. OVC programming should align with the epidemic)**
- Highest volume facilities
 - **Analyzing site-level data to prioritize support to facilities and communities with greatest need**



Uganda: Persons Living with HIV (PLHIV) Age 15-49, with PEPFAR support, by District (SNU1), 2014

Persons Living with HIV



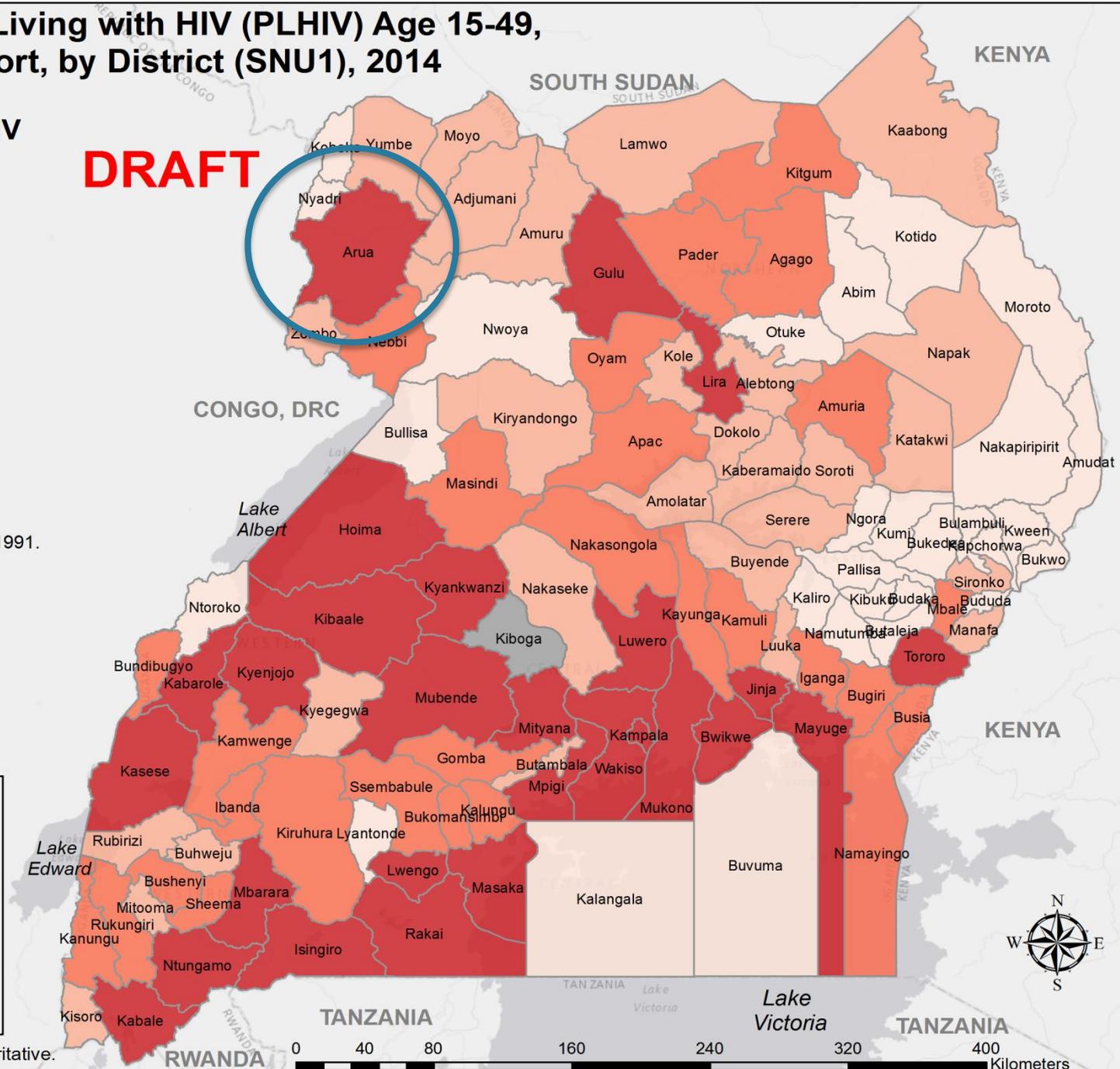
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SNU1 = Districts (n=112)

Note:
Kiboga district split from Mubende in 1991.
No data provided for this district.

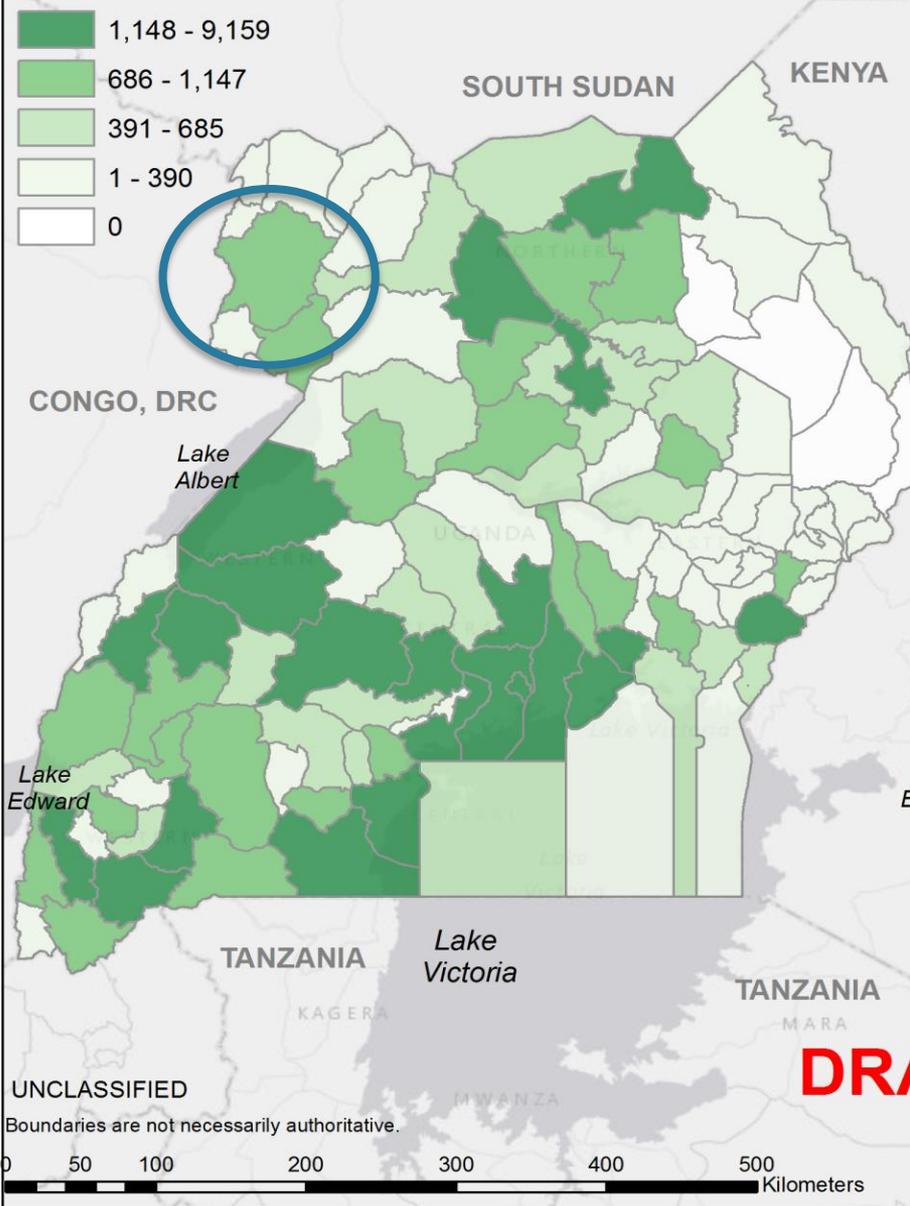
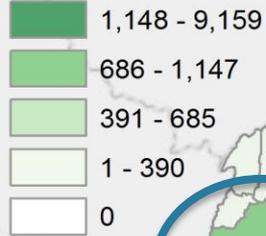
Source: UNAIDS, 2014



Boundaries are not necessarily authoritative.

Uganda: Number of Pregnant Women on ARVs, with PEPFAR support, by District (SNU1), 2014

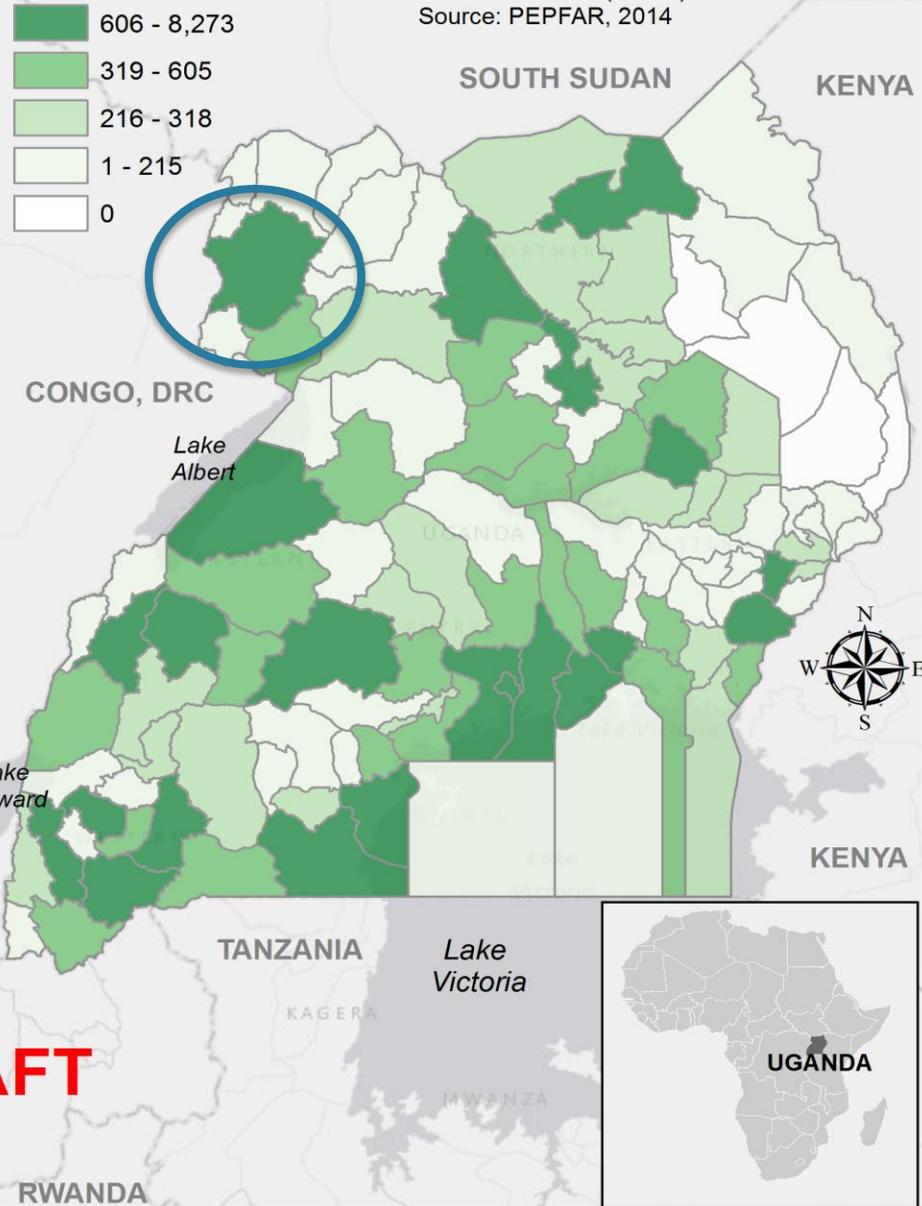
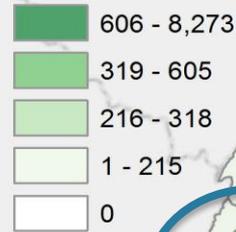
Pregnant Women on ARVs



Uganda: Number of Persons Age < 15 on ART, with PEPFAR support, by District (SNU1), 2014

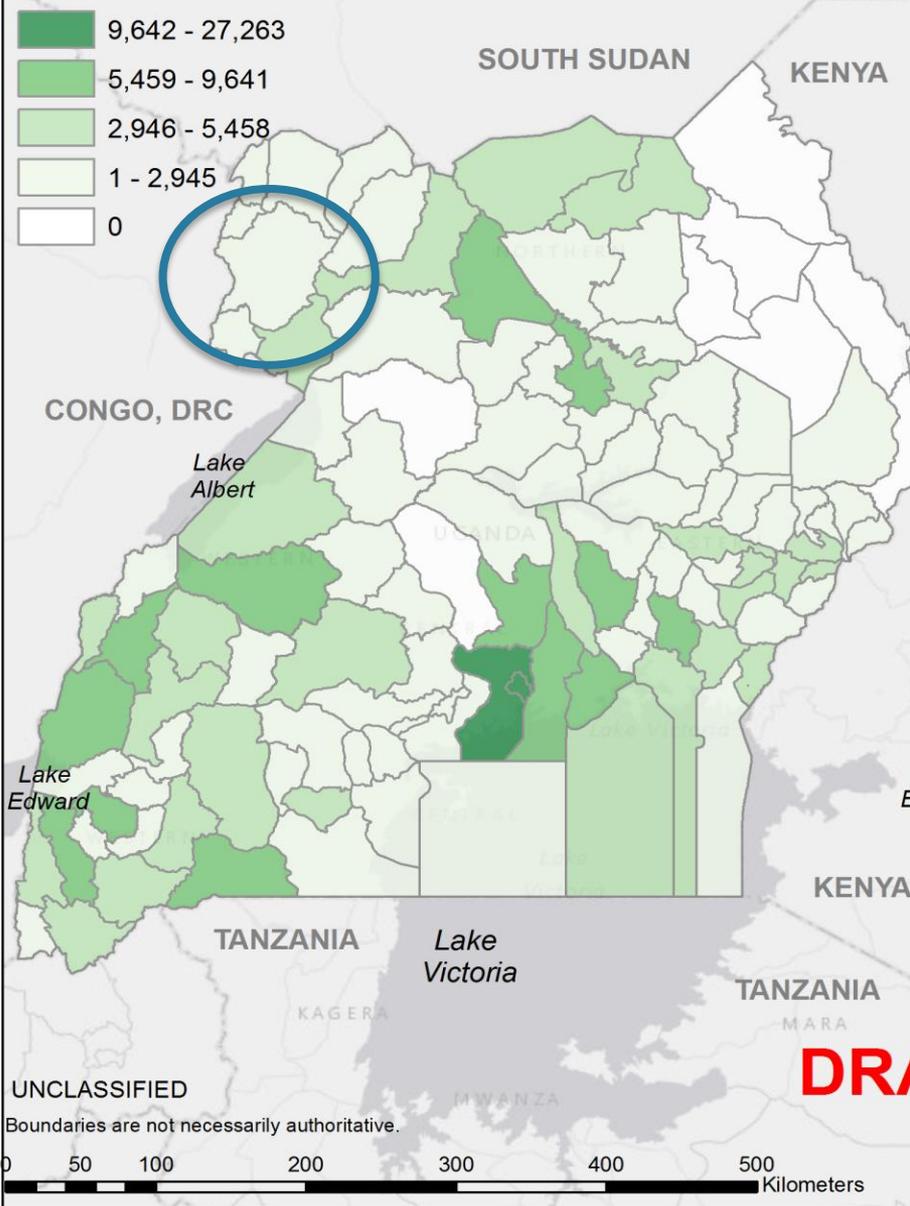
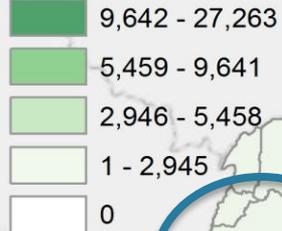
Children on ART

SNU1 = Districts (n=112)
Source: PEPFAR, 2014



Uganda: Orphans & Vulnerable Children (OVC) Served, with PEPFAR support, by District (SNU1), 2014

of OVC Served



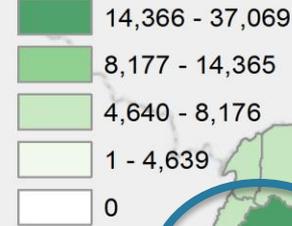
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Boundaries are not necessarily authoritative.

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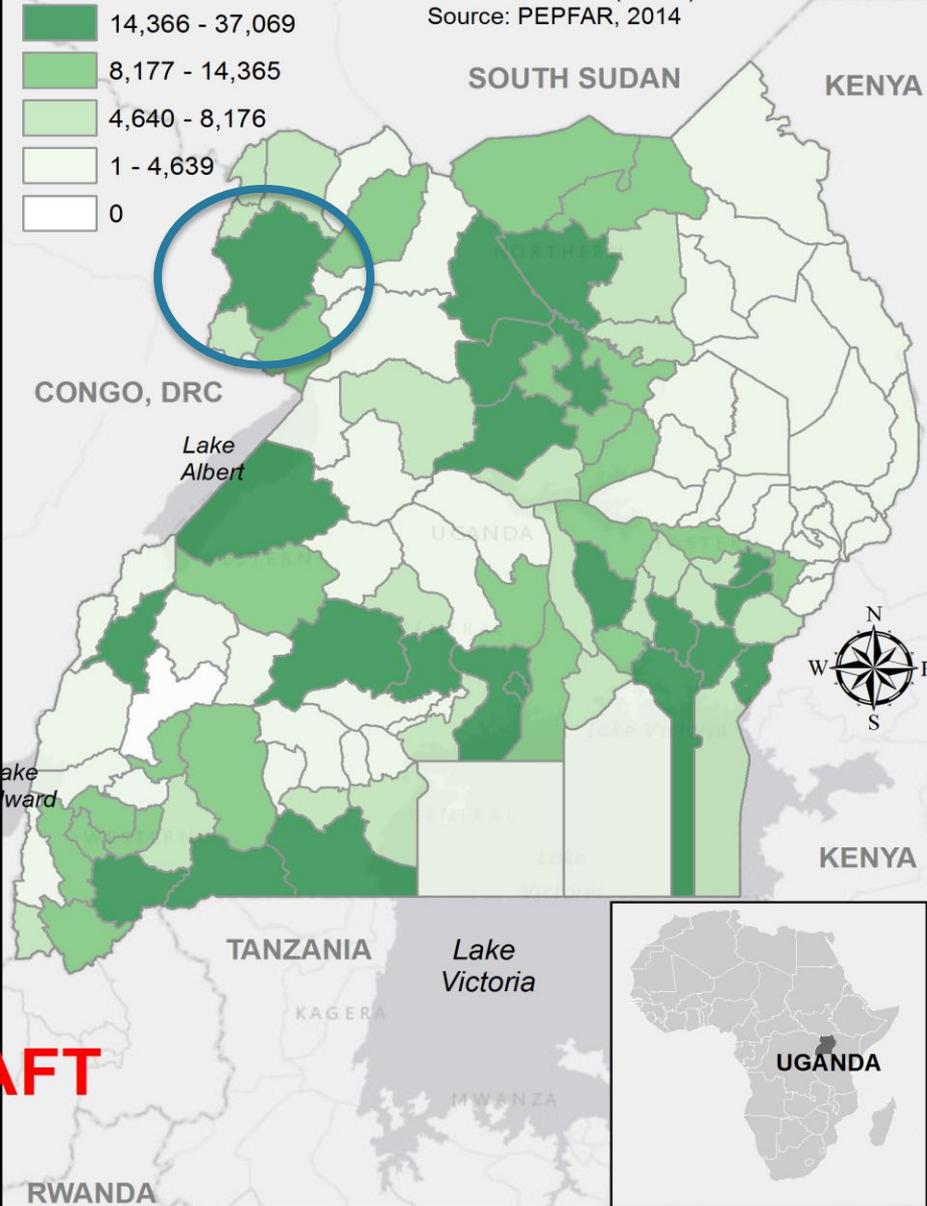
Uganda: Voluntary Medical Male Circumcisions (VMMC), with PEPFAR support, by District (SNU1), 2014

of VMMCs



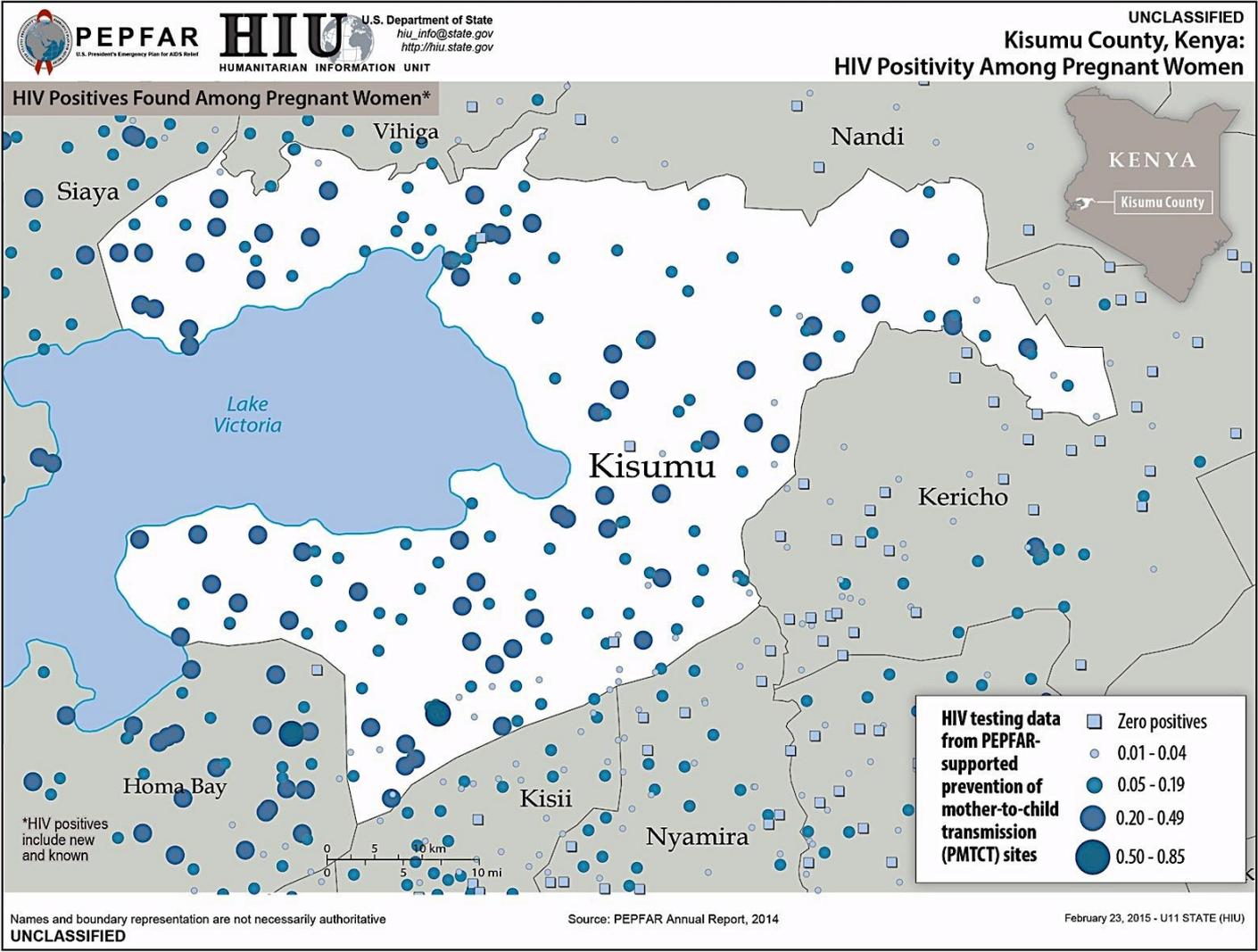
SNU1 = Districts (n=112)

Source: PEPFAR, 2014

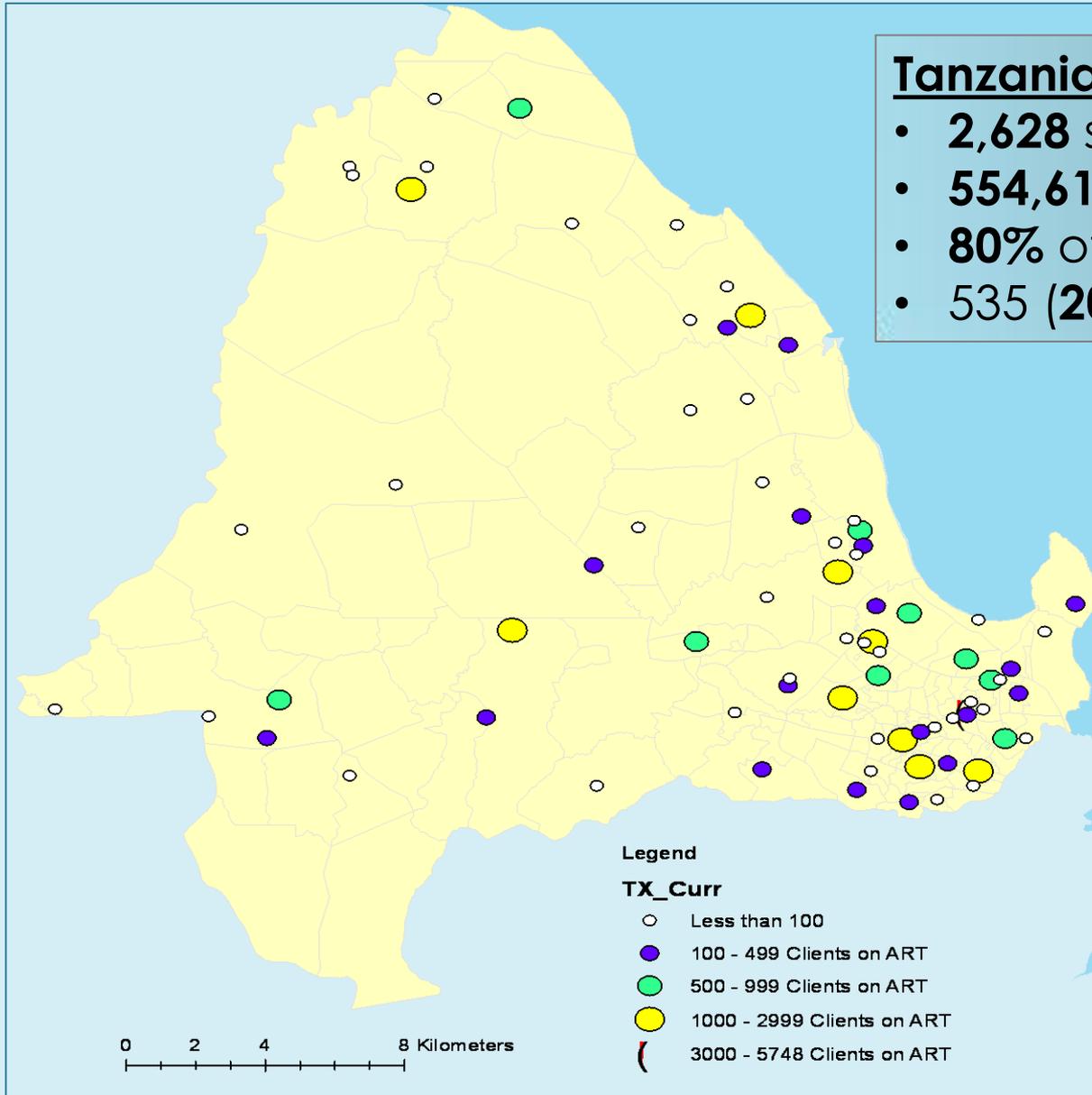


Using Geospatial Mapping to Define Site Density

PMTCT Site Yield



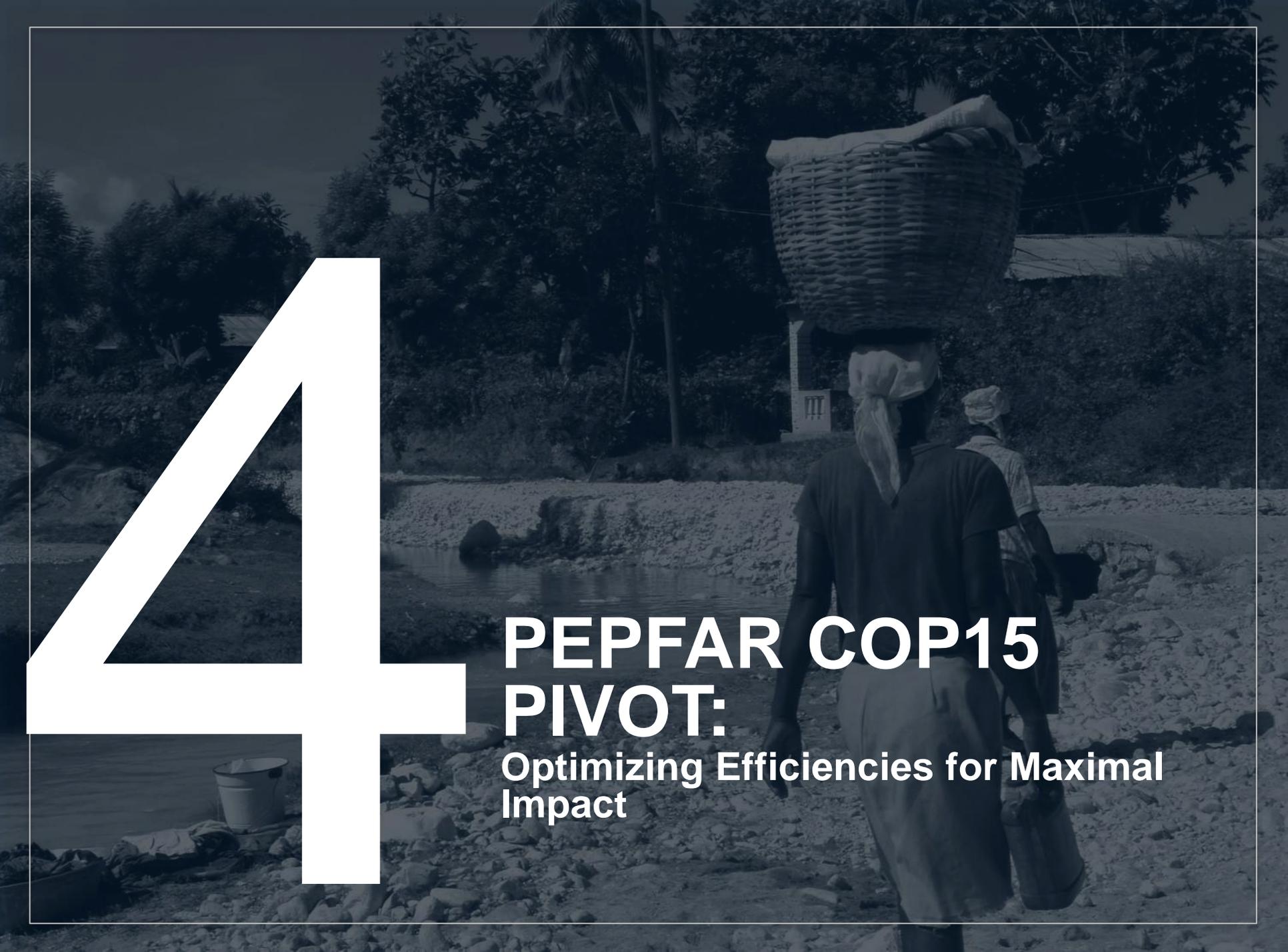
Site Prioritization: Priority Districts



Tanzania

- **2,628** sites
- **554,614** on treatment
- **80%** of patients at **22%** of sites
- 535 (**20.4%**) sites with **0** on ART

Plan for detailed analysis to determine appropriate client referrals



4

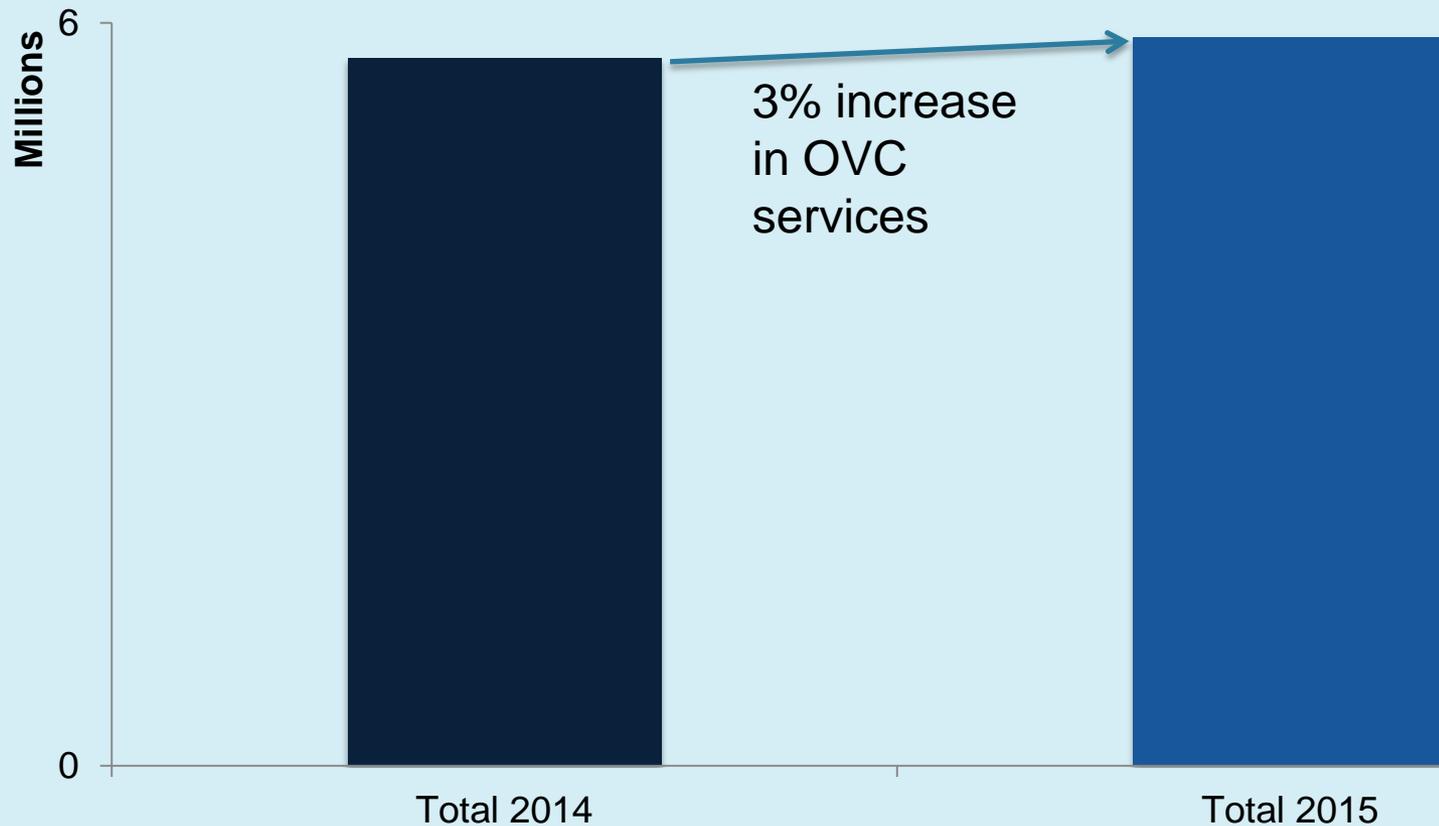
**PEPFAR COP15
PIVOT:**

**Optimizing Efficiencies for Maximal
Impact**

Maintaining & Focusing OVC Services

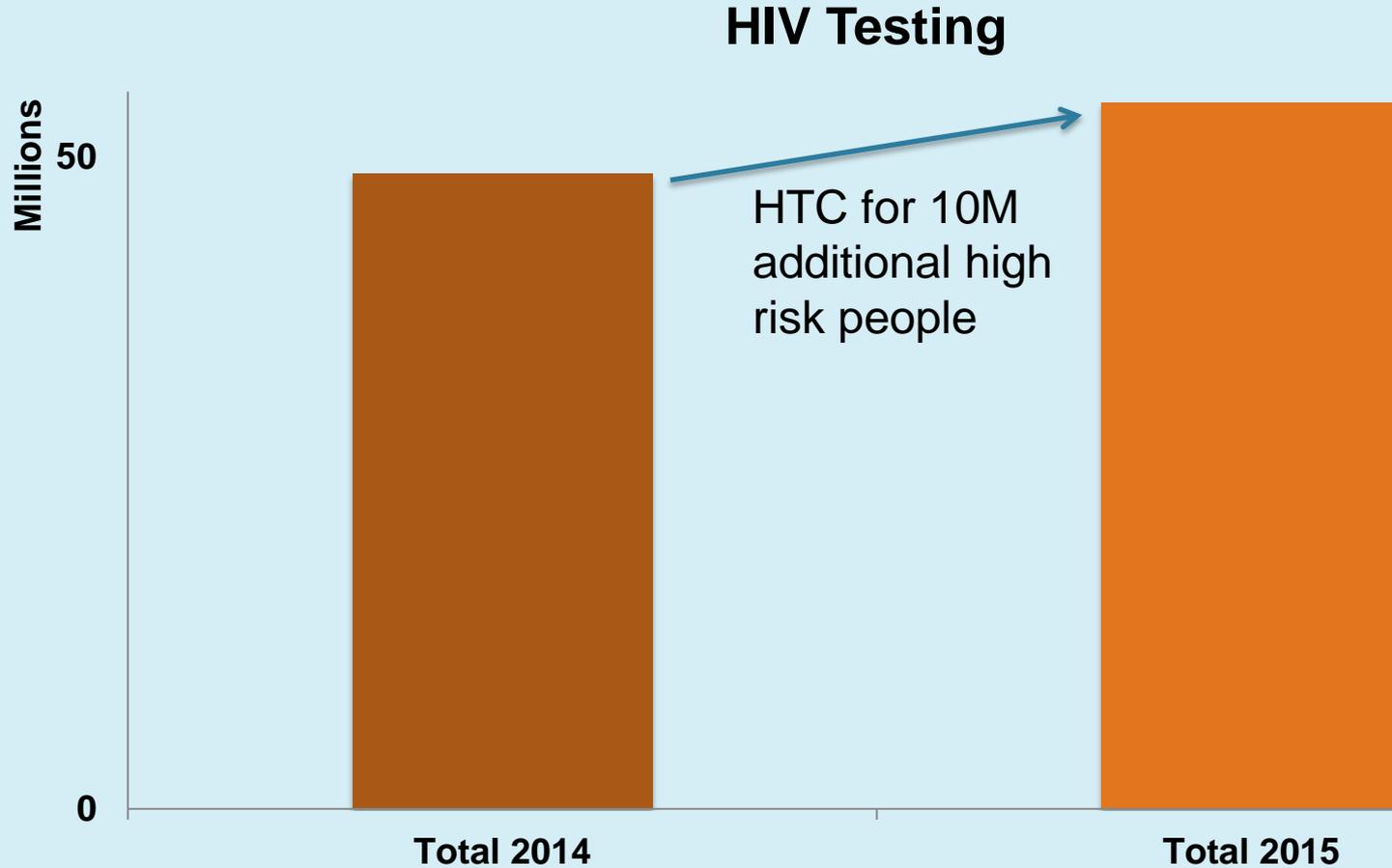
To ensure the most vulnerable receive services tailored to their needs

Services for Orphans & Vulnerable Children



11% increase in HIV Testing Targets

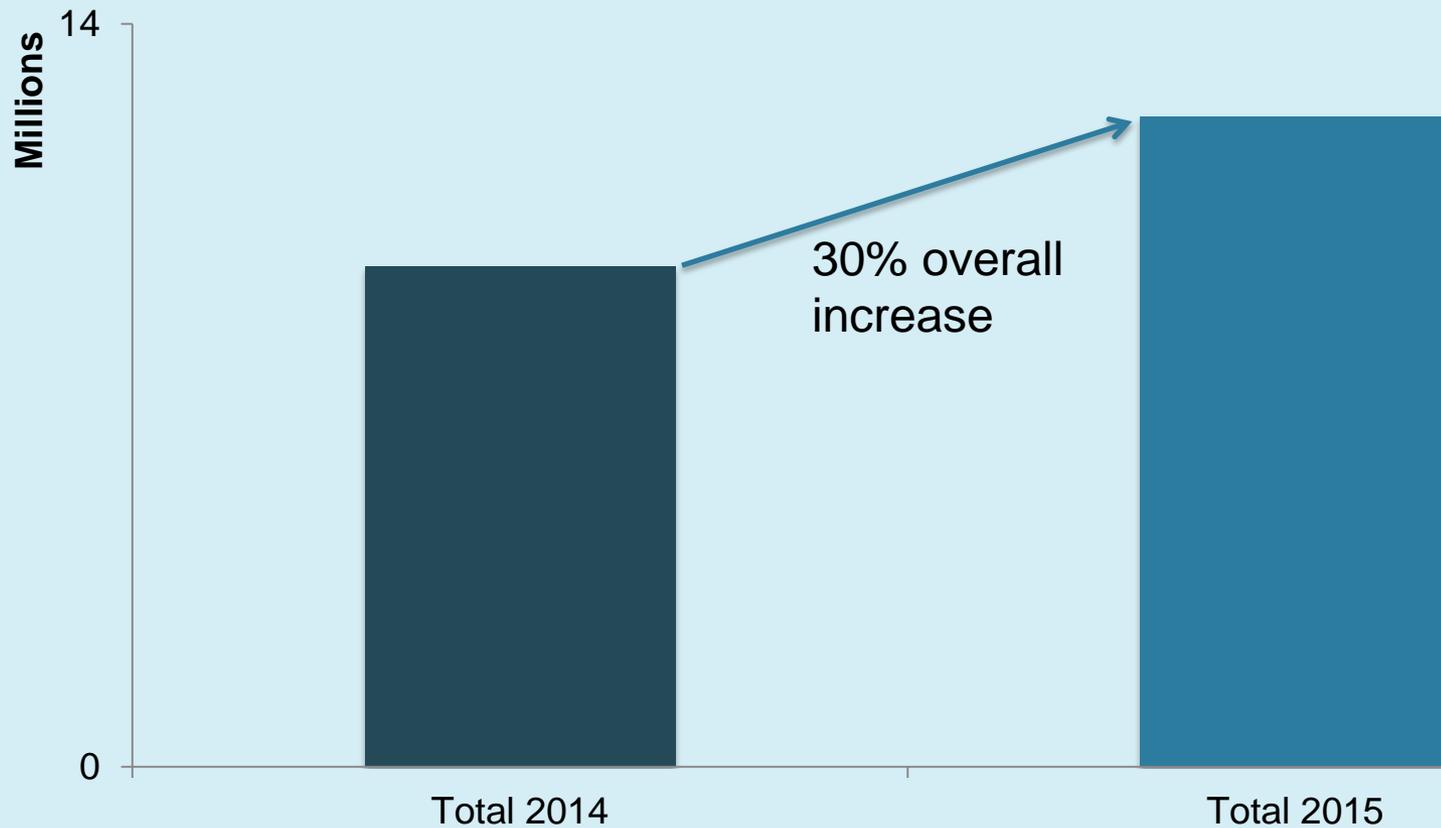
with targeting of highest burden populations to maximize positive yield



30% Increase in Current Patients on Treatment

Massive increase in the number of people receiving lifesaving ART

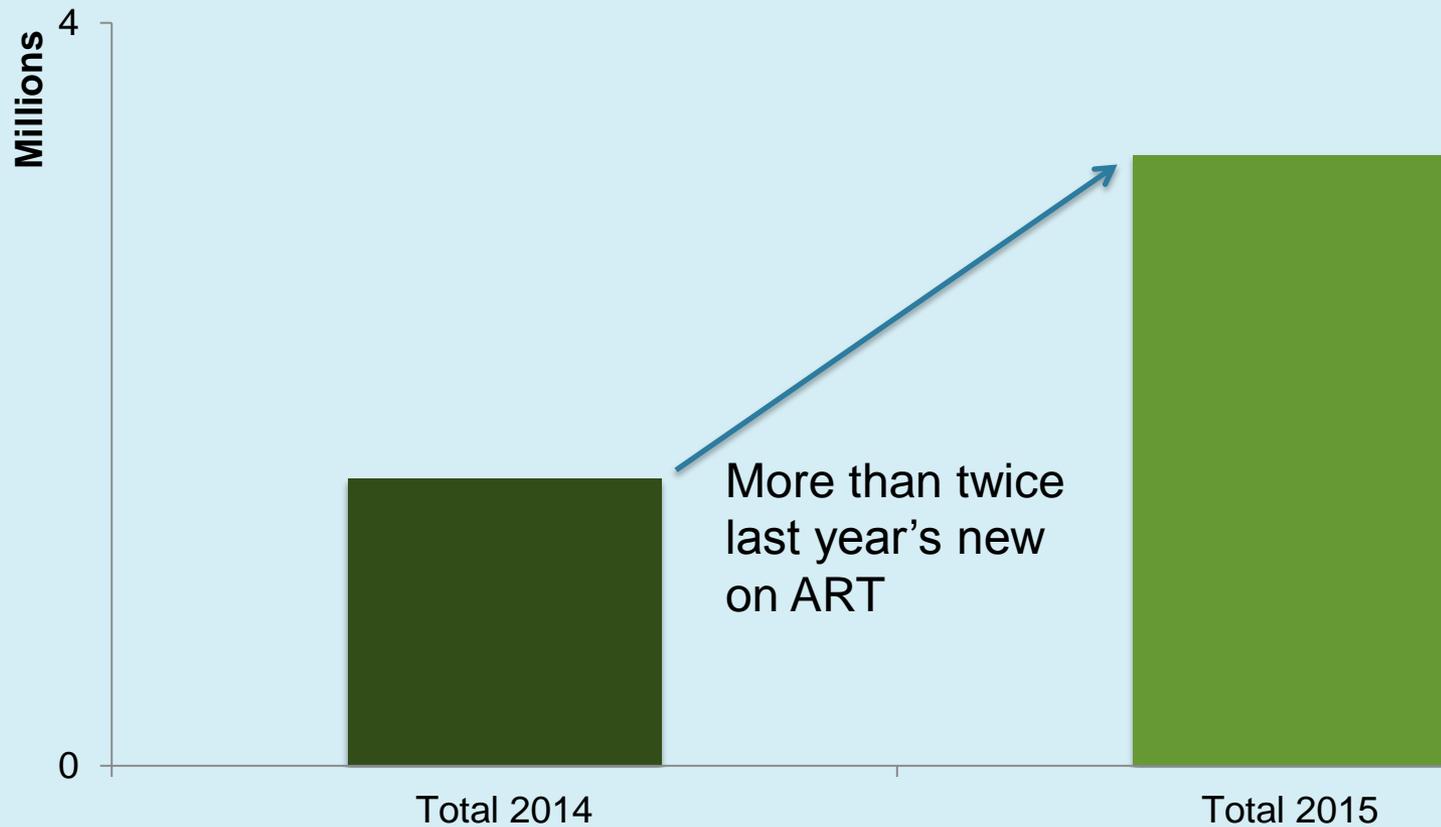
Current Patients on Treatment



113% Increase in New Patients on ART

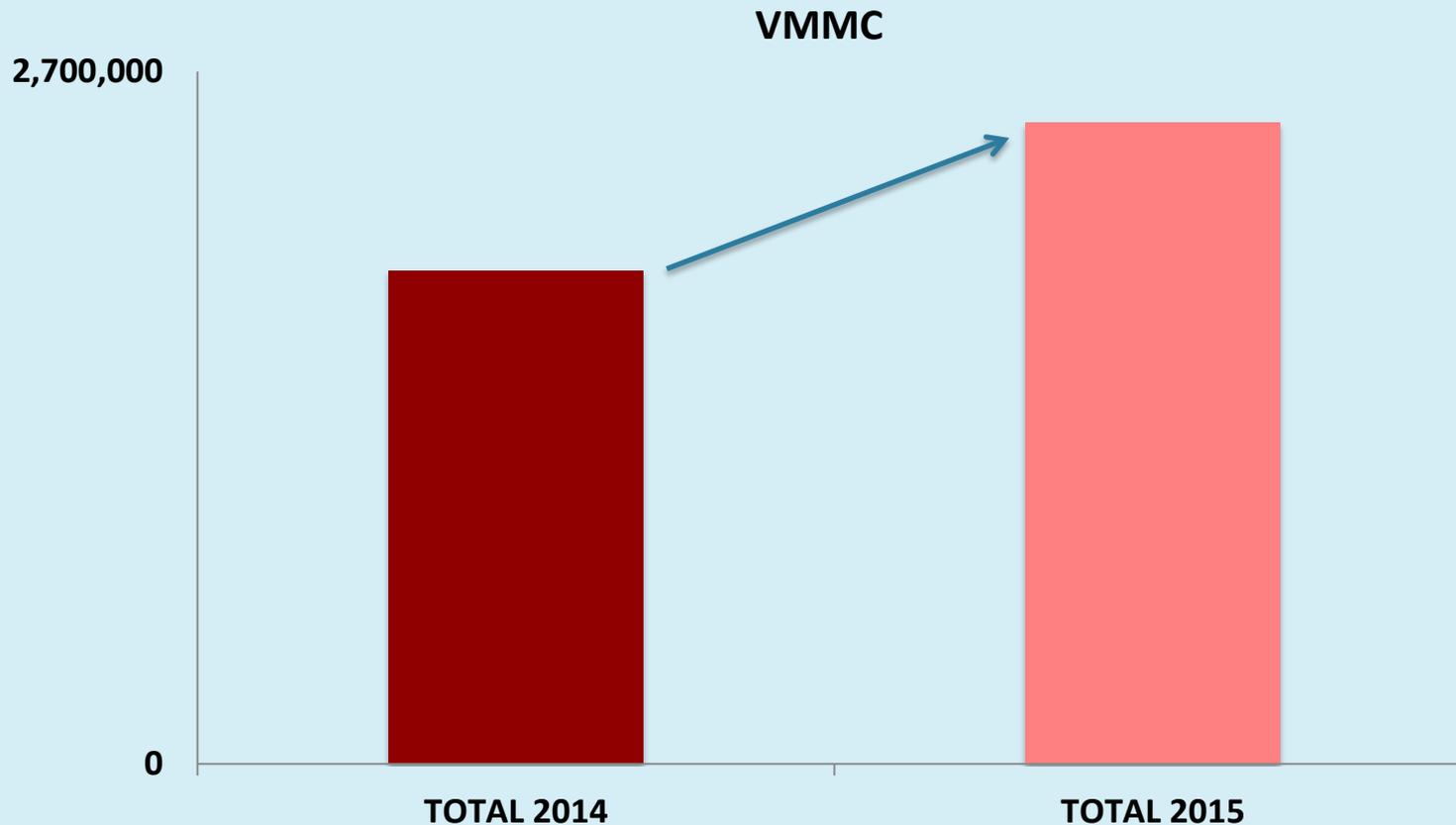
Unprecedented acceleration & scale-up of treatment services for adults and children

New on Patients Treatment

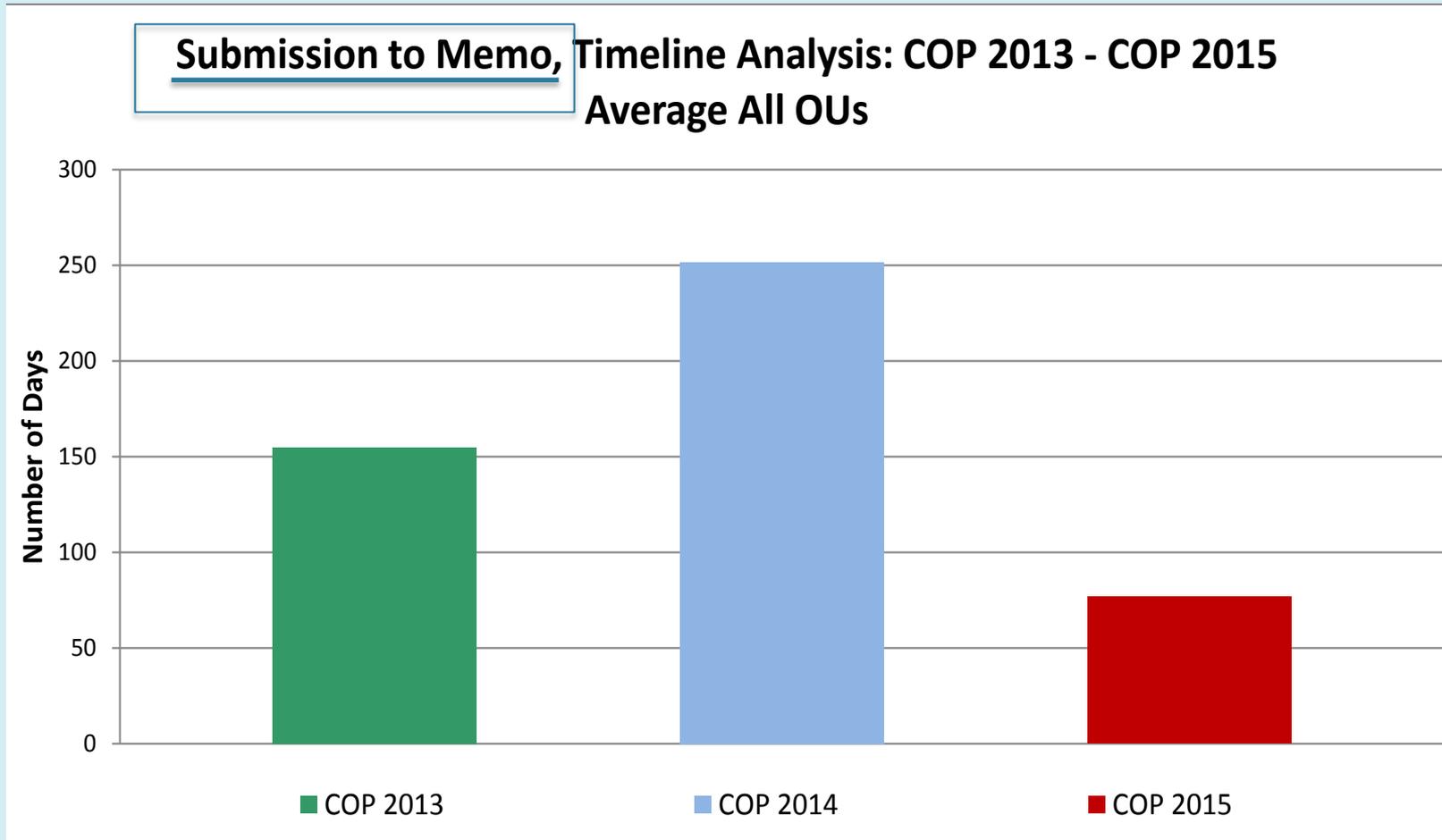


25% Increase in VMMC

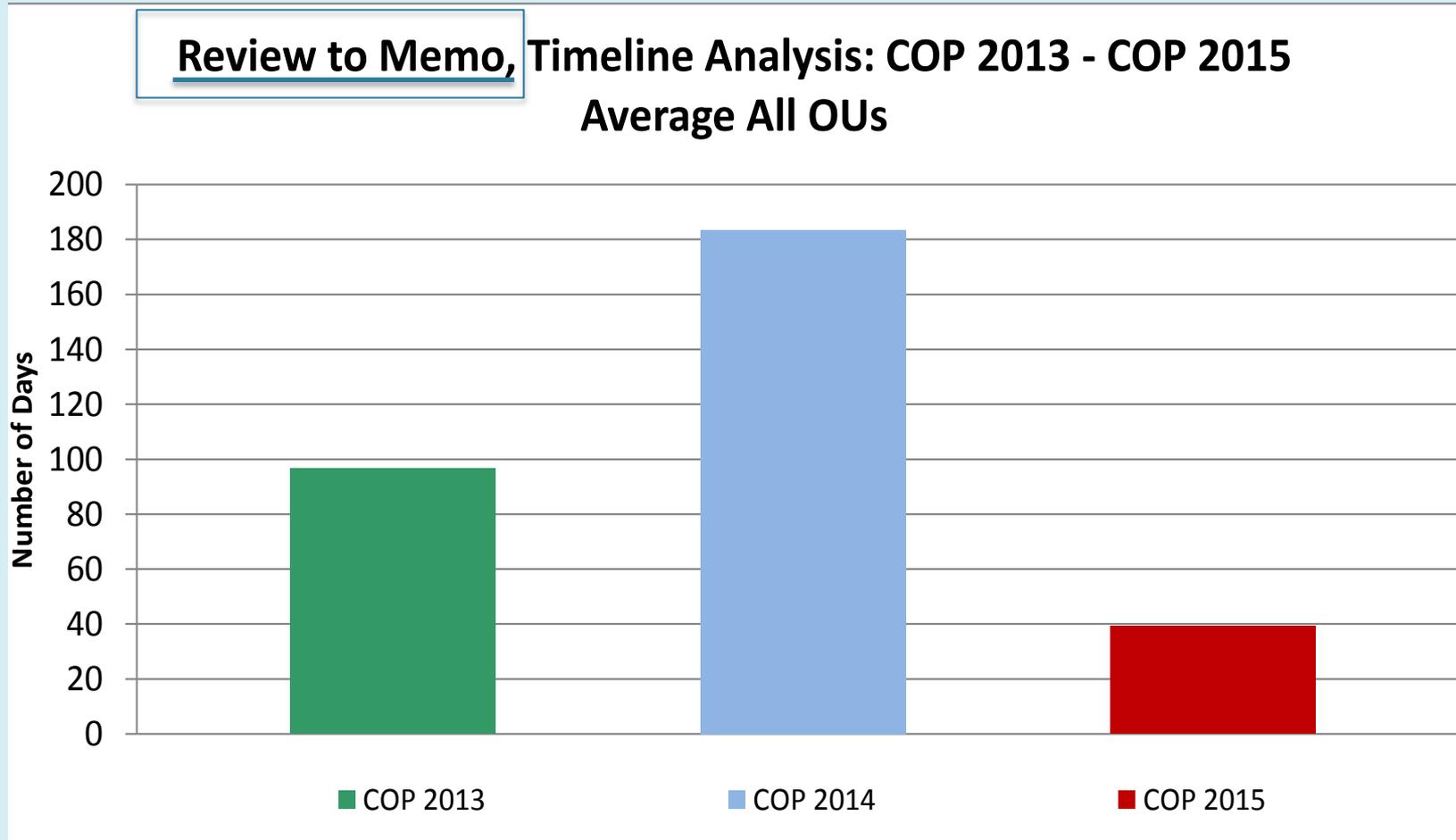
Focusing on highest prevalence areas & populations



Significant Increase in Efficiency of COP Review Process (2013/2014 – 2015)



Significant Increase in Efficiency of COP Review Process (2013/2014 – 2015)



Outcome of COP15 Planning

Doing more with FY2015 Funds

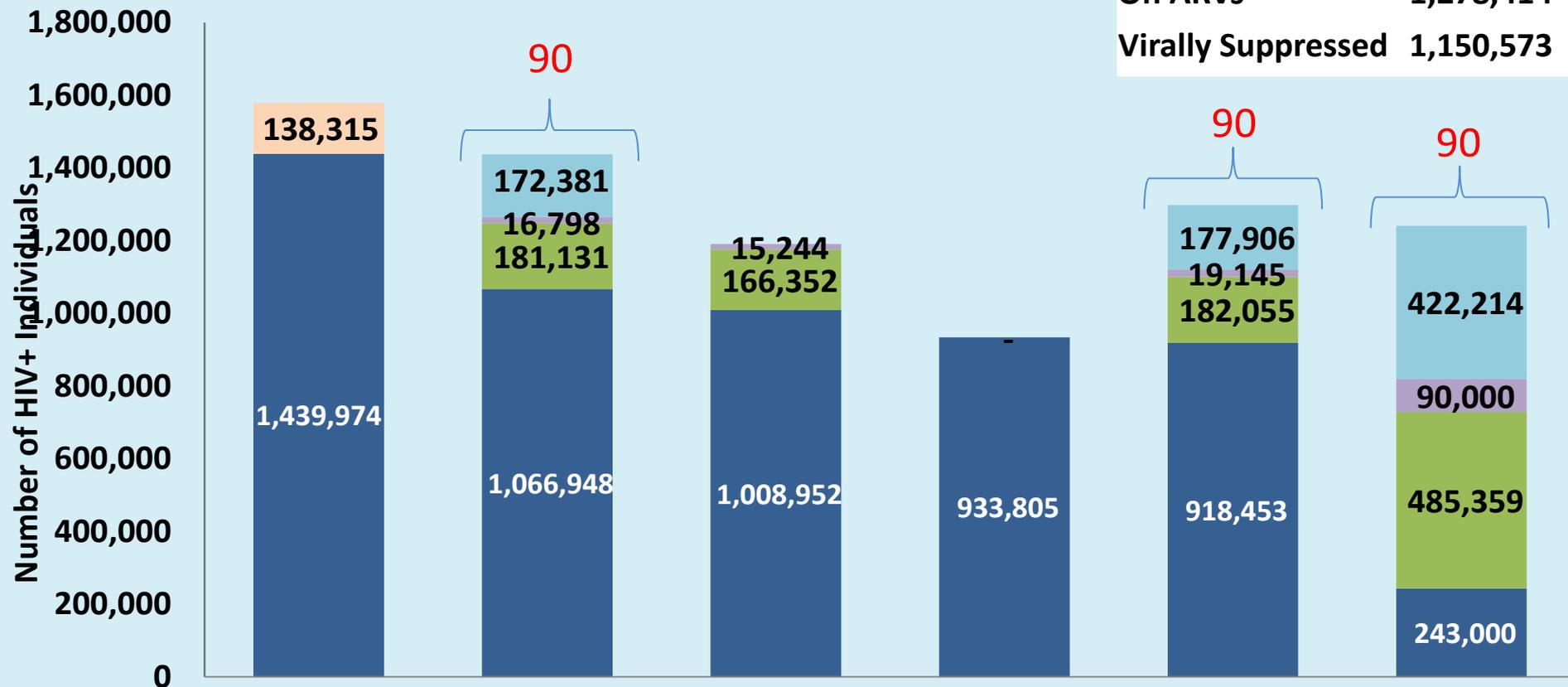
- Using **comprehensive data** to drive program efficiencies by **focusing resources** and ensure control of the epidemic
- **Decreasing acceptable pipeline** to 3-6 months from 12-18 months, allowing **additional resources** for VMMC and DREAMS
 - ~ **\$300M** total – 150M for VMMC and DREAMS and **\$150M** for Tx of men within DREAMS geography
- **Decreasing COP cycle** of submission and approval
 - allowing predictable same FY funding and one-time partner work plans
- Collectively resulting in increase in **all targets above** planned FY2016 and FY2017 targets



90-90-90 TARGETS

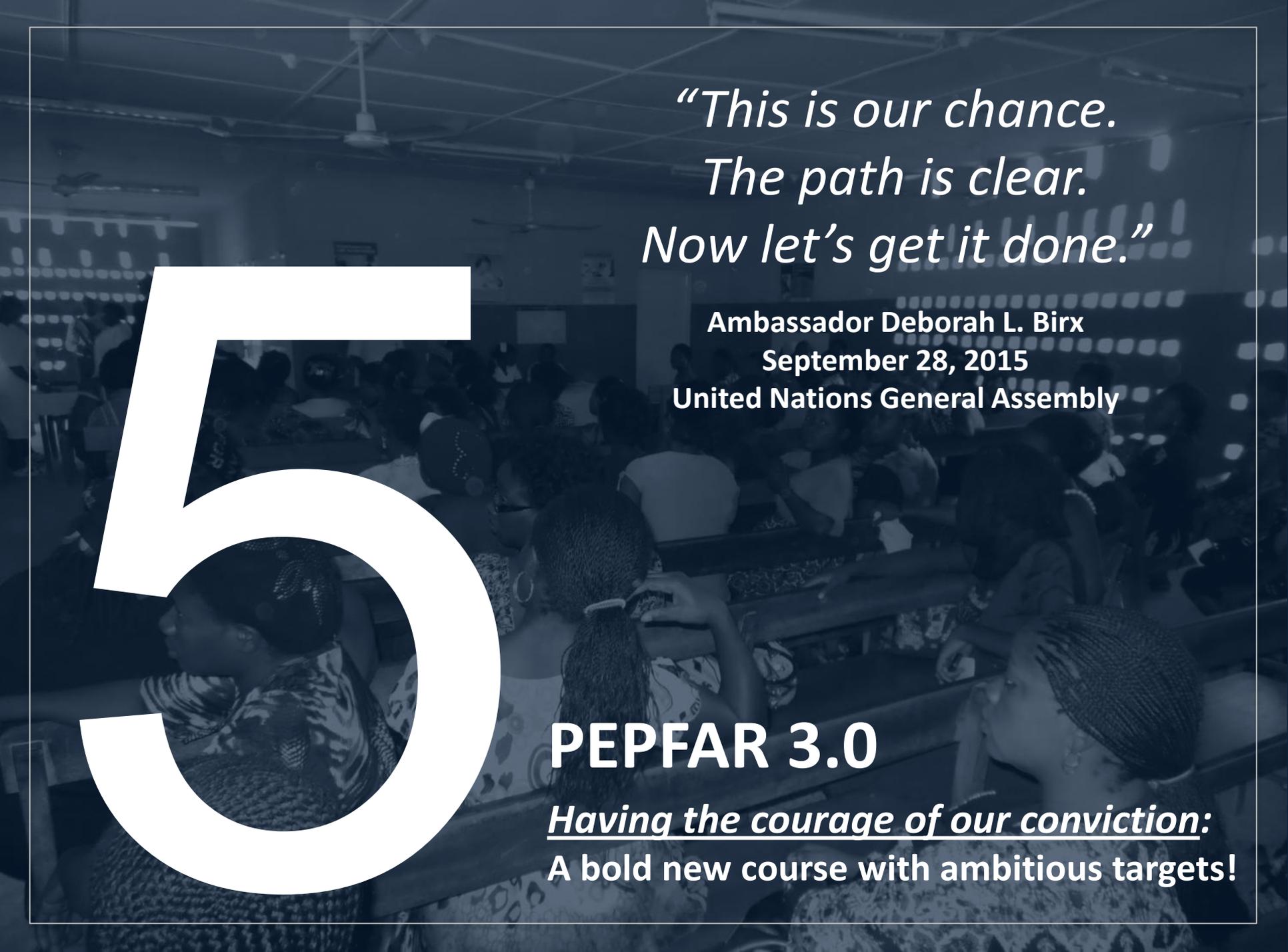
Infected	1,578,289
Diagnosed	1,420,260
On ARVs	1,278,414
Virally Suppressed	1,150,573

90:90:90 is within Uganda's reach



- New Infections
- GOU FY16 Targets (not PEPFAR supported)
- FY 2015 Est. Cascade
- Additional patients needed to reach to 90-90-90
- PEPFAR FY16 Targets





*“This is our chance.
The path is clear.
Now let’s get it done.”*

Ambassador Deborah L. Birx
September 28, 2015
United Nations General Assembly

PEPFAR 3.0

Having the courage of our conviction:
A bold new course with ambitious targets!

Prevention Targets

- *First time ever, PEPFAR targets* for preventing new HIV infections among adolescent girls and young women.
- Working jointly with partner countries, the Global Fund, and the private sector, PEPFAR will:
 - By end of 2016, achieve a 25 percent reduction in HIV incidence among adolescent girls and young women (aged 15-24) within the highest burden geographic areas of 10 sub-Saharan African countries.
 - By end of 2017, achieve a 40 percent reduction
 - By end of 2016, PEPFAR will provide 11 million voluntary medical male circumcisions for HIV prevention, cumulatively.
 - By end of 2017, PEPFAR will provide 13 million



Treatment Targets

- By end of 2016, PEPFAR will support 11.4 M children, pregnant women receiving B+, and adults on ART
 - 7.2 M directly supported by PEPFAR funding
 - 4.2 M through TA with partner countries.
- By the end of 2017, 12.9 M children, pregnant women receiving B+, and adults on ART (8.5 M direct, 4.4 TA)
- With GFATM & partner country resources, PEPFAR will jointly support 18.5 M men, women, and children on ART by the end of 2017.



A black and white photograph of five children standing in front of a wall. The wall has graffiti that includes the letters 'A B C D E F' and the numbers '5 6 7 8'. The children are of various ages, from a young child in the foreground to a slightly older child in the back. They are dressed in simple clothing. The overall tone is somber due to the monochrome palette.

6

FOCUSING ON CHILDREN

Scaling up ART services for children & adolescents



Without lifesaving
antiretroviral
therapy for
HIV-infected
children,

50% will die before
their 2nd birthday.

**80% will die
before age 5.**

Partnering to save children

PEPFAR & Children's Investment Fund Foundation (CIFF)

Accelerating Children's HIV/AIDS Treatment (ACT)

\$200M partnership

- Doubling the number of children receiving life saving ART
- FY 2017 Target: 500,000 on treatment
- Interim FY 2016 Target: 400,000 on treatment
- **Countries** : Cameroon, Cote d'Ivoire, DRC, Kenya, Lesotho, Malawi, Mozambique, Tanzania, Zambia, Zimbabwe





7

**INVESTING IN
PREVENTION
FOCUSING ON YOUNG
WOMEN &
ADOLESCENT GIRLS**

Preventing new HIV infections



The goal: help girls develop into **Determined, Resilient, Empowered, AIDS-free, Mentored, and Safe** (DREAMS) women.

- ✓ use of a core package of evidence-based interventions that have successfully addressed HIV risk behaviors, HIV transmission, and gender-based violence.

PEPFAR investing nearly \$½ B, including strategically aligning \$300 M in additional prevention investments

PrEP

- a prevention tool in select, highly motivated and adherent young women

Test and START

- key in men who are hard to identify and link to HIV care and ART
- critical to DREAMS success and delivering an AIDS Free Generation in order to decrease transgenerational HIV transmission (older men infecting adolescent girls and young women)





FOCUSING ON KEY POPULATIONS

Ensuring Access, Addressing Stigma &
Discrimination

PEPFAR : Enhancing human rights, sustainability, and accountability

Progress to date:

- **Educating staff & providers:** Gender and Sexual Diversity Trainings 27 countries, Over 2000 PEPFAR staff
- **Strengthening the community response:** Local Capacity Initiative: 30 organizations/coalitions in 11 country/regional programs
- **Expanding access:** Key Populations Challenge Fund 12 countries/regions enhance prevention & treatment services to MSM, PWID, FSW, and Transgender women
- **Improving prevention and treatment:** Key Population Implementation Science – 8 protocols : status of HIV services for key populations at each stage of the cascade.
- **Partnering with Civil Society:** The COP/ROP 15 guidance mandated engagement with local civil society organizations in PEPFAR planning. PEPFAR Teams must hold consultations ***on a quarterly basis***





9

**TRUE PARTNERSHIP
FOR AN AIDS-FREE
GENERATION**

Celebrating PEPFAR's Remarkable Success With Partners

PEPFAR has saved **millions of lives** since 2003

- **7.7 M people** on **life-saving ART**
- More than **1M babies** born HIV-free
- **6.5 M men** received VMMC services
- Care and support for **>5 M OVC**
- **21 M people** in priority and key

populations reached with prevention interventions

The U.S. government has committed **more than \$60 billion** through PEPFAR, 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.



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 now** in partnership with UNAIDS, WHO, GF and host countries.
- Do we have the ***courage of our conviction*** 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...



**Almost 3000 children
died this week from HIV**

**Over 20,000 adults died
this week from HIV**

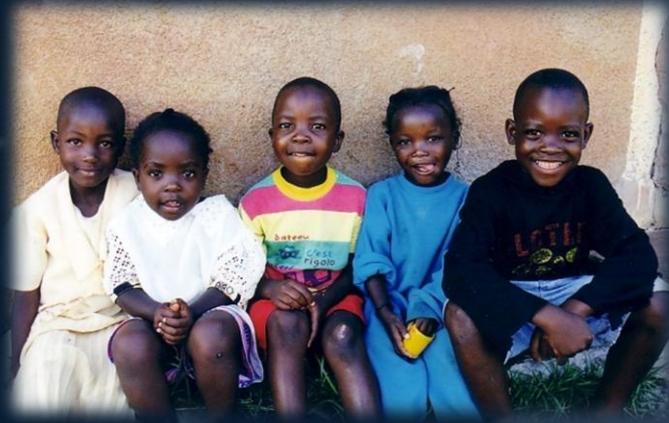
Over 4,000 babies were infected with HIV

**Over 34,000 adults were infected
of which more than 7000 were
young women**





THANK



YOU!

www.pepfar.gov

ShafferDN@state.gov



“We have no excuses. It is time for us to seize this moment.”

“There is no time to lose.”

Ambassador Deborah L. Birx, Sep 30 & Oct 1, 2015

