Applying a Strategic Information Model to Report on Results of the President's Emergency Plan for AIDS Relief (PEPFAR)

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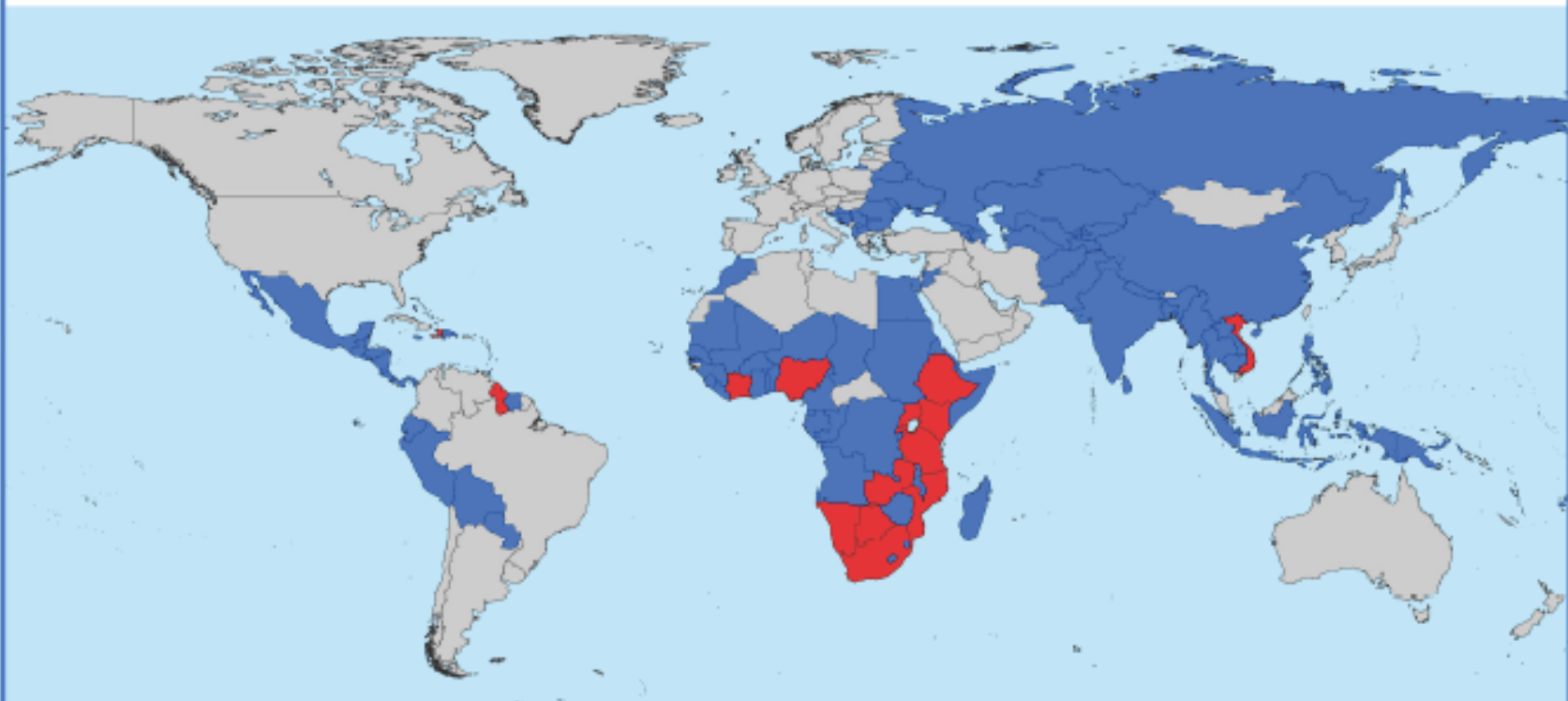**American Public Health Association Annual Meeting**

November 5, 2007, Washington, DC

PEPFAR Worldwide Activities

U.S. President's Emergency Plan for AIDS Relief (PEPFAR) Worldwide Activities — July 2006

U. S. Government International HIV/AIDS Activities

- Focus Countries
- Other U.S. Bilateral Efforts
- No Activities Present

This map includes all HIV/AIDS activities funded through the following USG agencies: Department of State, U.S. Agency for International Development, Department of Defense, Department of Commerce, Department of Labor, Department of Health and Human Services, and Peace Corps. This does not include activities funded through the U.S. Department of Agriculture.

PEPFAR GOALS

15 Focus Countries

Treat 2 million with ART → **Total number of clients served by ART**

Prevent 7 million new infections → **Estimated from program data and program impact models**

Care and support for 10 million PLWHA and AIDS orphans → **Total number of clients receiving HIV Care and Support (Palliative Care = general clinical care, OI, TB, HBC, other palliative) + OVC**
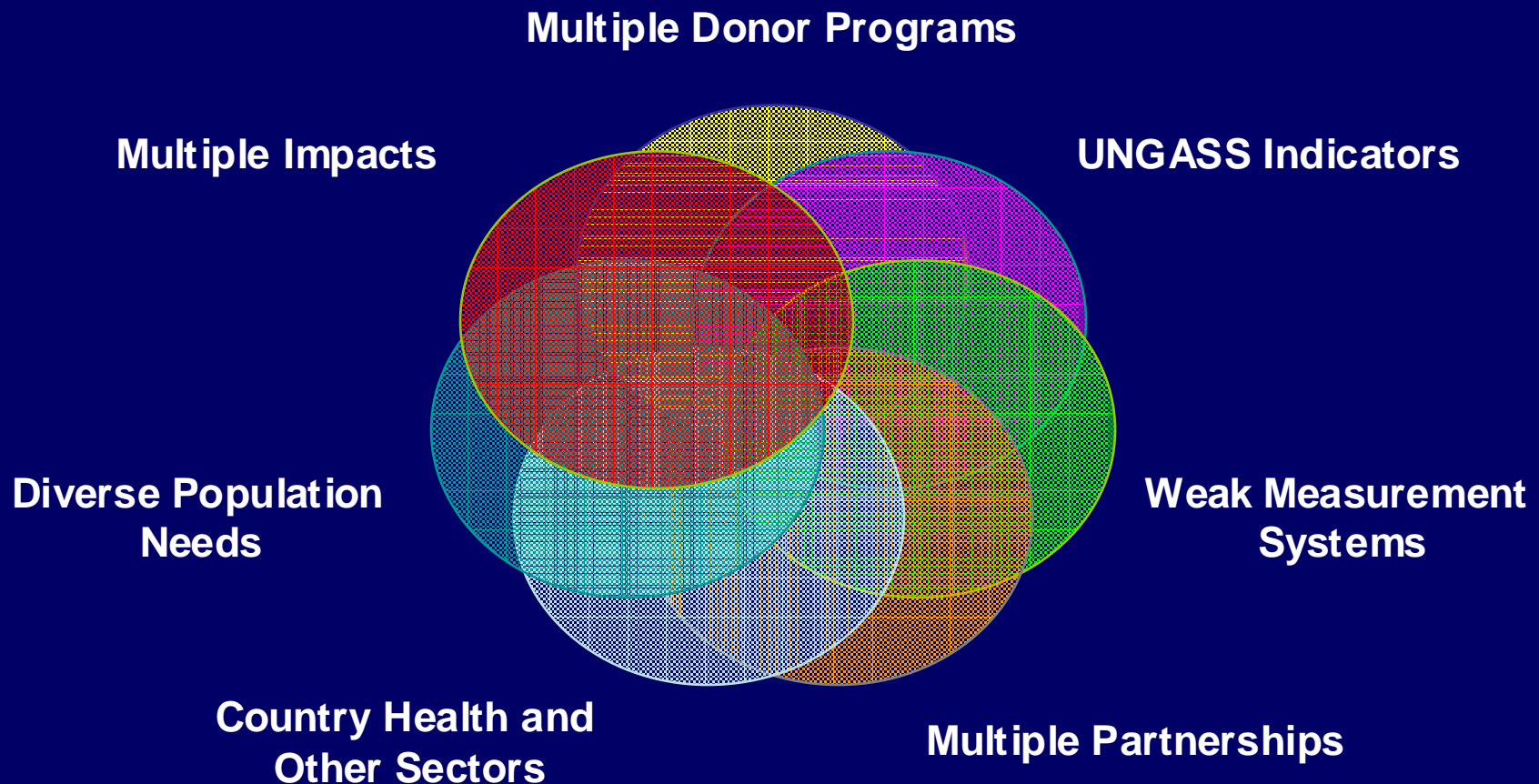
PEPFAR CORNERSTONE

The Emergency Plan is built on four cornerstones…(4) implementing strong strategic information systems that will provide vital feedback and input to direct our continued learning and identification of best practices.

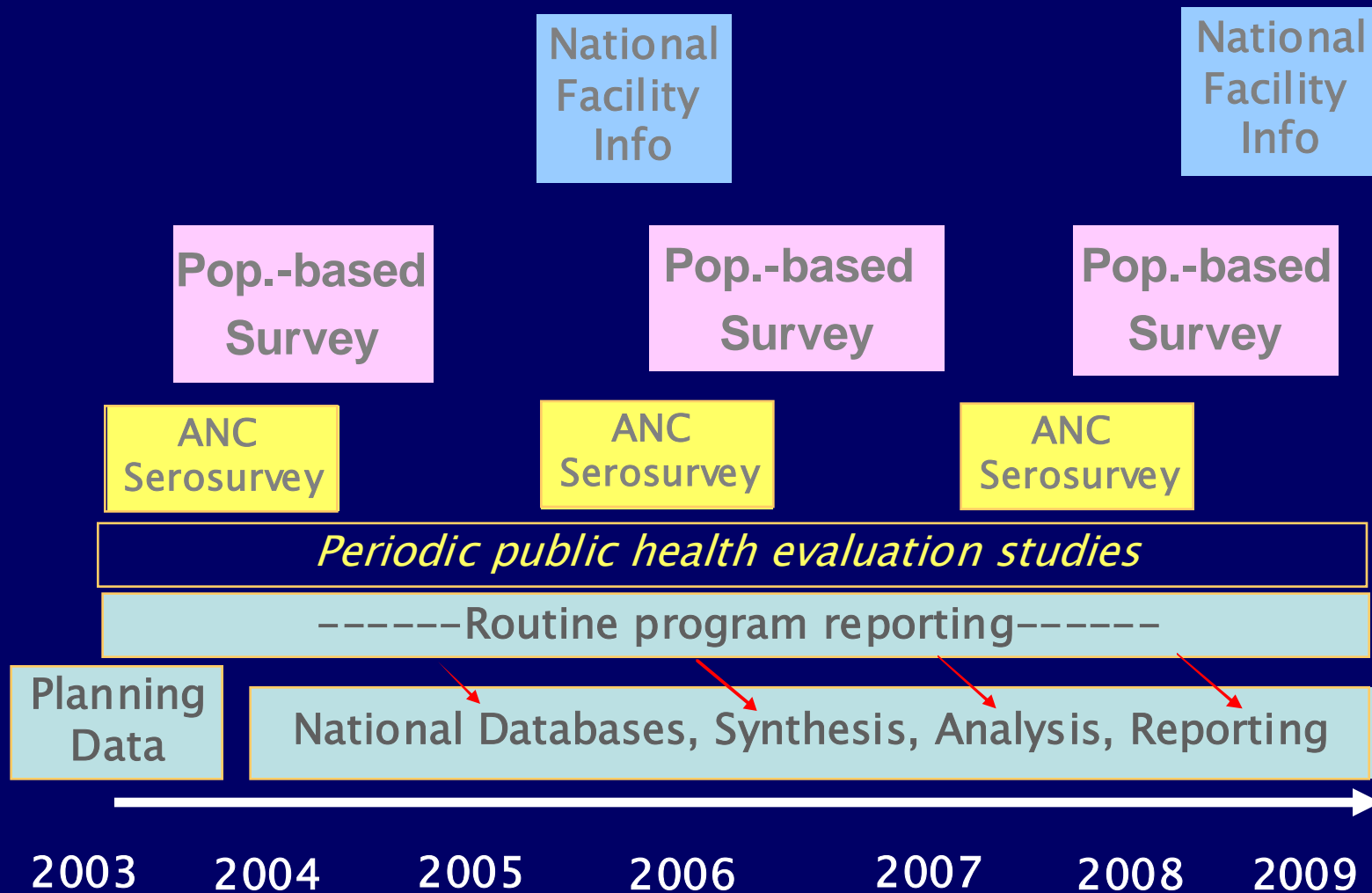Source: PEPFAR First Annual Report to Congress, March 2005
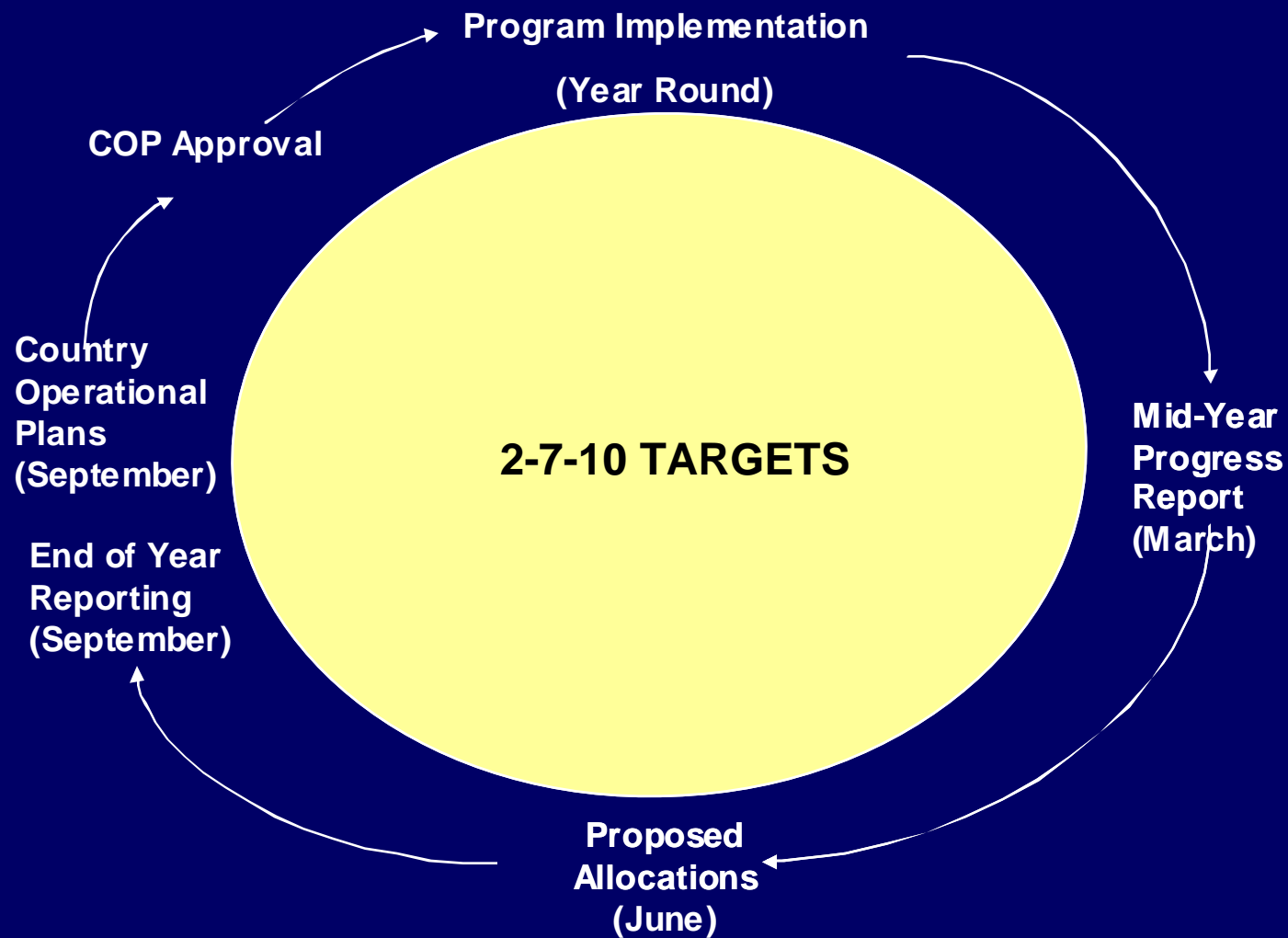
Complexity of Measurement

Multiple Donor Programs

Multiple Impacts

UNGASS Indicators

Diverse Population
Needs

Weak Measurement
Systems

Country Health and
Other Sectors

Multiple Partnerships

National Strategic Information System

National Facility Info

National Facility Info

Pop.-based Survey

Pop.-based Survey

Pop.-based Survey

ANC Serosurvey

ANC Serosurvey

ANC Serosurvey

Periodic public health evaluation studies

------Routine program reporting------

Planning Data

National Databases, Synthesis, Analysis, Reporting

2003   2004   2005   2006   2007   2008   2009
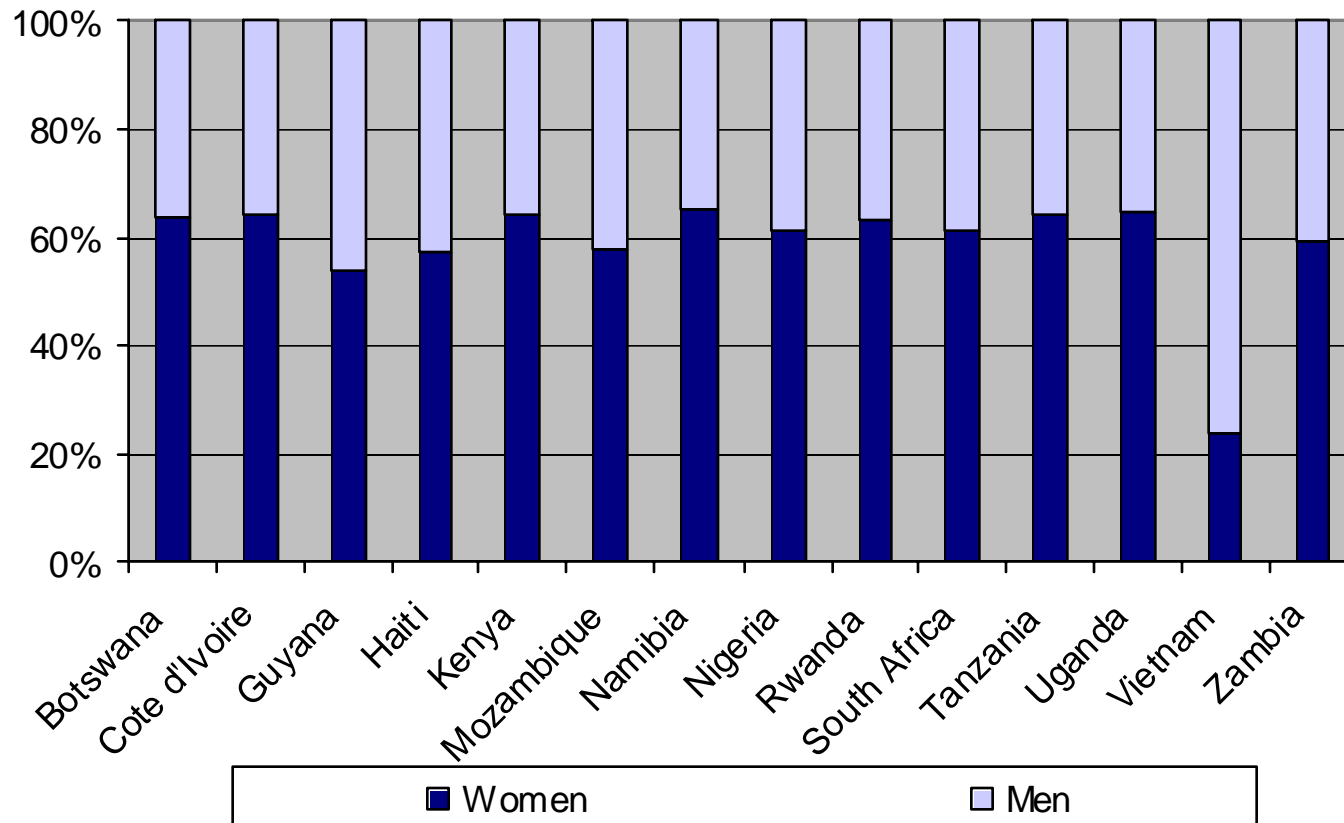
Planning and Reporting Cycle

Strategic Information for the President's Emergency Plan for AIDS Relief

Information on Service Beneficiaries (2006)

Percent of women receiving ARV Treatment through USG Support
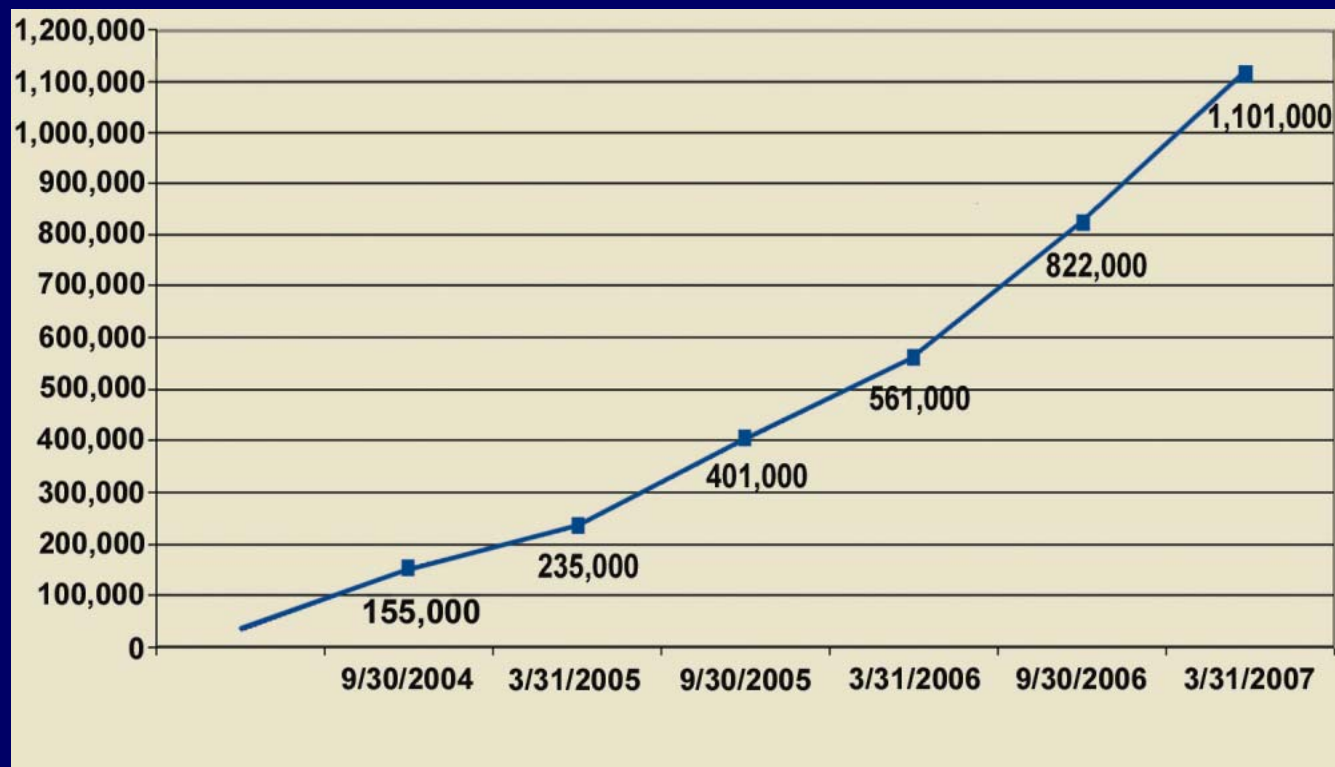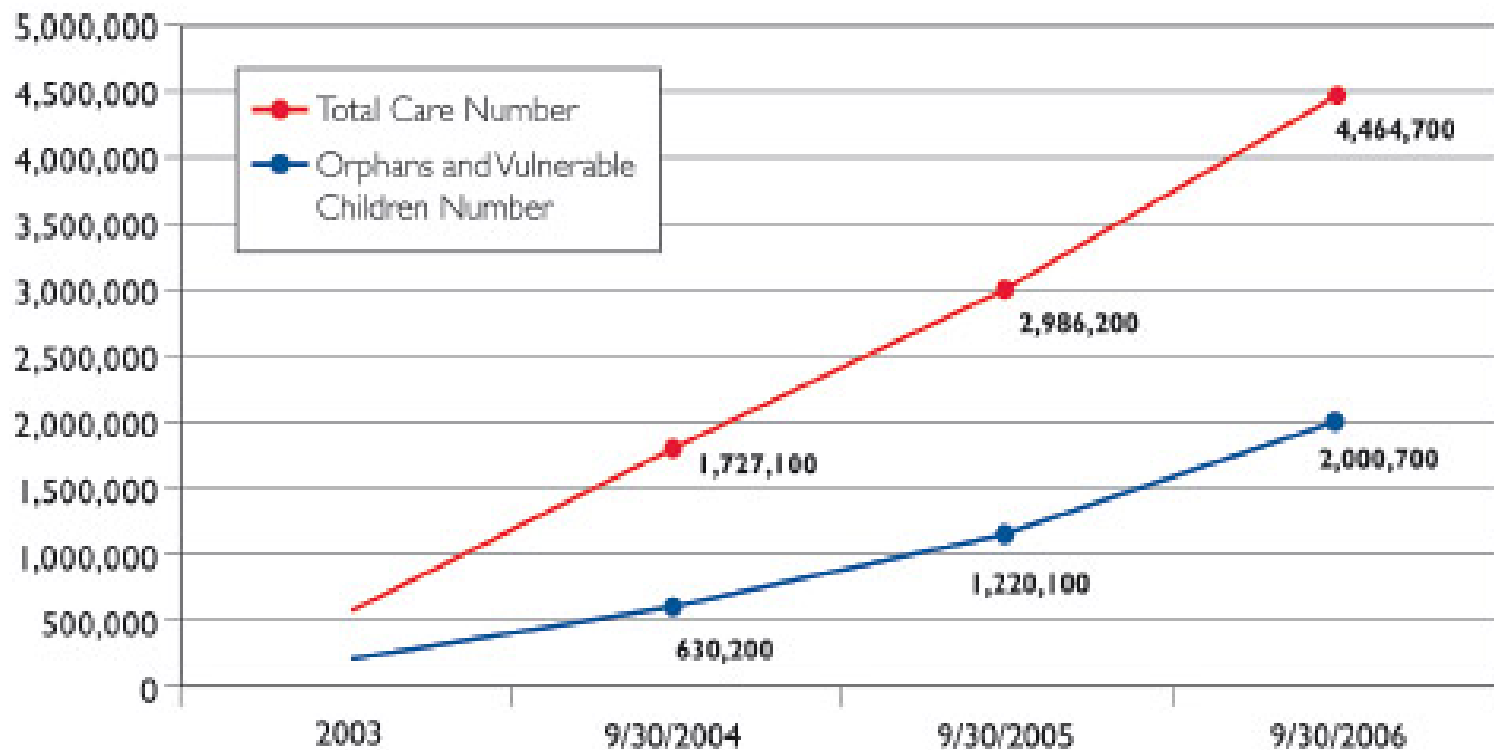**Focus Countries**

Trend: Care in the Fifteen Focus Countries*

Note: 2003 OVC estimate includes all OVCs in focus countries whether or not affected by AIDS.

Population Level Impact: National Treatment Coverage Supported By All Sources*

Country	% Coverage 2003	% Coverage 2006	% Change in Coverage
Botswana	15.2%	80.4%	430%
Côte d'Ivoire	4.1%	24.9%	506%
Ethiopia	1.0%	14.4%	1369%
Guyana	12.6%	64.0%	410%
Haiti	2.9%	23.5%	707%
Kenya	1.5%	35.8%	2214%
Mozambique	1.0%	15.8%	1561%
Namibia	1.3%	64.1%	4871%
Nigeria	2.3%	10.6%	366%
Rwanda	4.4%	61.2%	1278%
South Africa	0.2%	21.4%	10773%
Tanzania	0.1%	14.1%	10905%
Uganda	6.5%	60.3%	834%
Vietnam	14.0%	26.4%	89%
Zambia	0.6%	39.1%	6139%
Total	1.9%	24.3%	1212%

*Source: PEPFAR Third Annual Report to Congress, 2007 (Page 18)

Secondary Indicators: Measuring Impact of Treatment

Estimated Cumulative Years of Life Added through FY2009 Due to PEPFAR Support for ART in Focus Countries

Chart data points:
- FY2005: 69,750
- FY2006: 319,950
- FY2007: 870,300
- FY2008: 1,825,200
- FY2009: 3,453,030
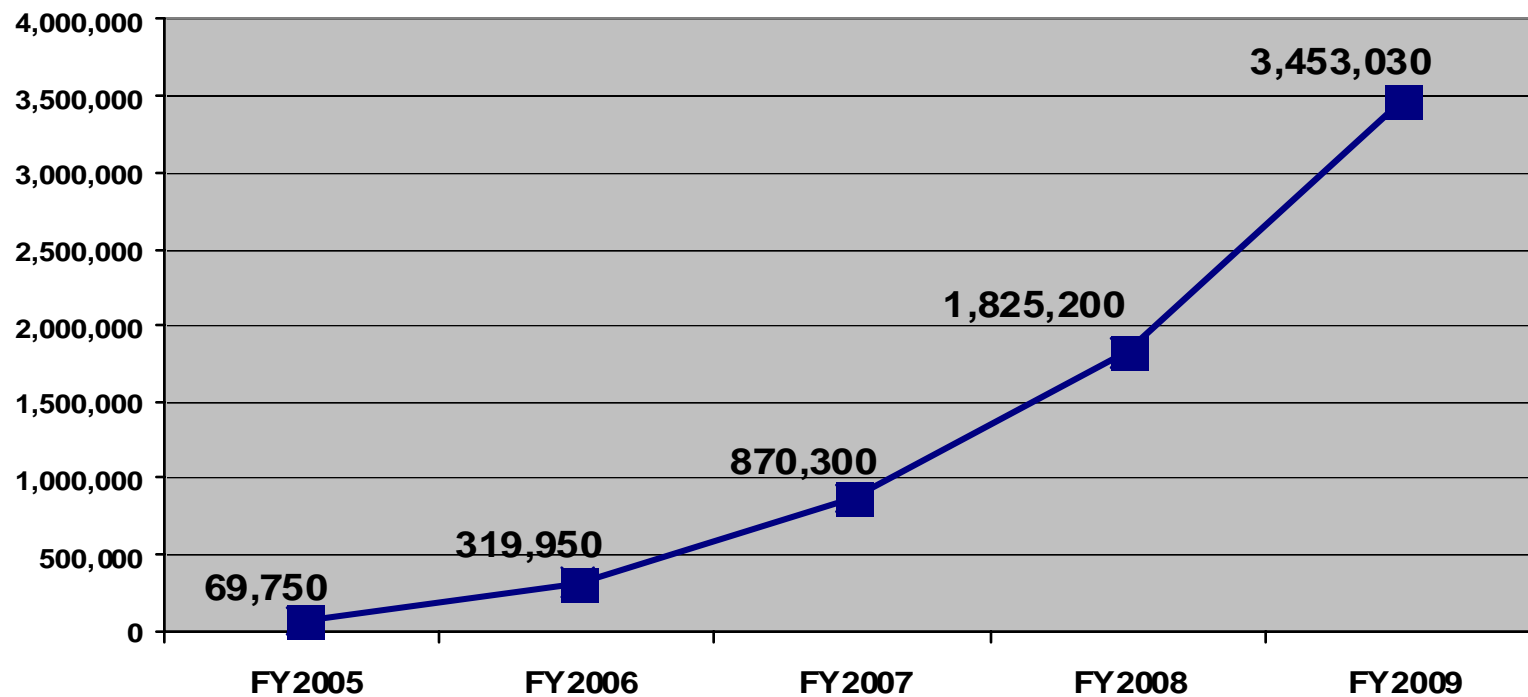
Note: Calculations are based on methodology developed by the WHO, 2006. Total person-years-of life added are based on the actual number of persons on ART as of September 30, 2006 and projected numbers of people to be on treatment for FY2007 and FY2008.

Source: PEPFAR Third Annual Report to Congress, 2007

Reporting on PEPFAR and Global Fund Results

Treatment: People Receiving ARV Treatment with Support from the President's Emergency Plan for AIDS Relief as of March 2007

EMERGENCY PLAN COUNTRY RESULTS = 1,101,000 (Focus Countries Only)

INCLUDES

THOSE RECEIVING SUPPORT FROM U.S, BILATERAL PROGRAMS - 100% FUNDED BY THE PRESIDENT'S EMERGENCY PLAN

AND

THOSE RECEIVING SUPPORT FROM THE GOLBAL FUND TO FIGHT AIDS, TUBERCULOSIS AND MALARIA - APPROXIMATELY 30% FUNDED BY THE PRESIDENT'S EMERGENCY PLAN

PEPFAR and GLOBAL FUND Joint Support = 621,000

GLOBAL FUND Globally = 1,100,000

COMBINED TOTAL =1,580,000

Treatment data for the Emergency Plan bilateral programs provided by the Office of the U.S. Global AIDS Coordinator
Treatment data for the Global Fund programs provided by the Global Fund to Fight AIDS, Tuberculosis and Malaria
Overlap differs by country

Measuring Progress in Prevention

Prevention: Estimating Infections Averted: 2000-2010
Hypothetical Example
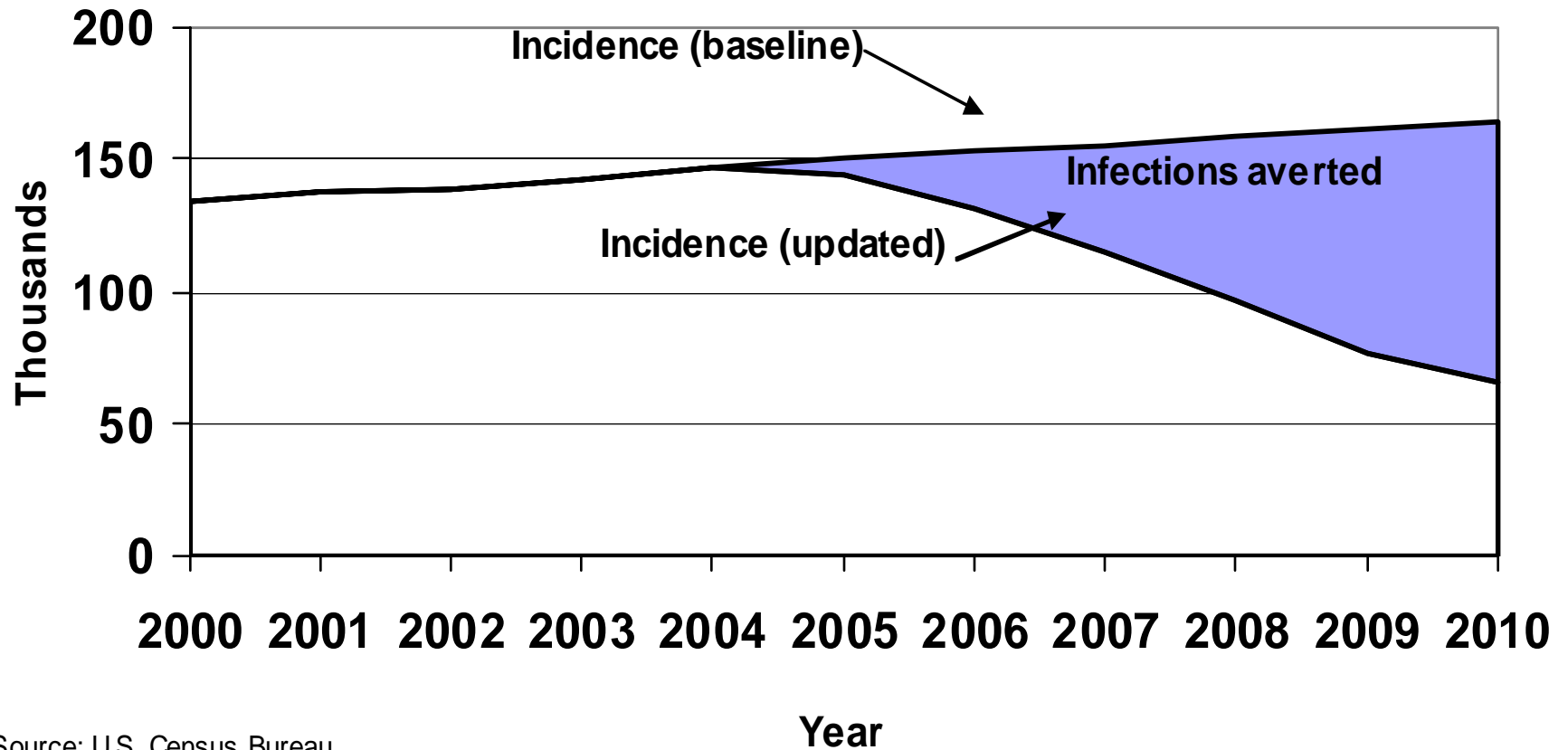
Source: U.S. Census Bureau

Next Generation of Information Collection

Issues to Consider:

- National integration of planning and measurement systems.

- UNAIDS harmonized Core Set of Indicators.

- Artificial dichotomy between monitoring and reporting indicators

- Changing priorities for measurement: sustainability, gender, new prevention measures and models, intervention logic models.

Next Generation of PEPFAR Indicators

Assessment and Planning

Situation analysis
Response analysis
Stakeholder needs
Resource analysis
Collaboration plans

Input
(Resources)

Staff
Funds
Materials
Facilities
Supplies

Activities
(Interventions Services)

Trainings
Services
Education
Treatments
Interventions

Output
(Immediate Effects)

Staff Trained
Clients served
Condoms distributed
Test kits distributed
Tests conducted

Outcomes
(Intermediate Effects)

Provider behaviour
Risk behaviour
Service use behavior
Clinical Outcomes
Quality of life

Impacts
(Long-term Effects)

HIV Incidence
HIV Prevalence
Social norms
AIDS Morbidity/Mortality
Economic Impact

Country Operational Plan - Target Setting

Program/Partner Monitoring in Country

Routine Reporting to OGAC

Survey/Surveillance