



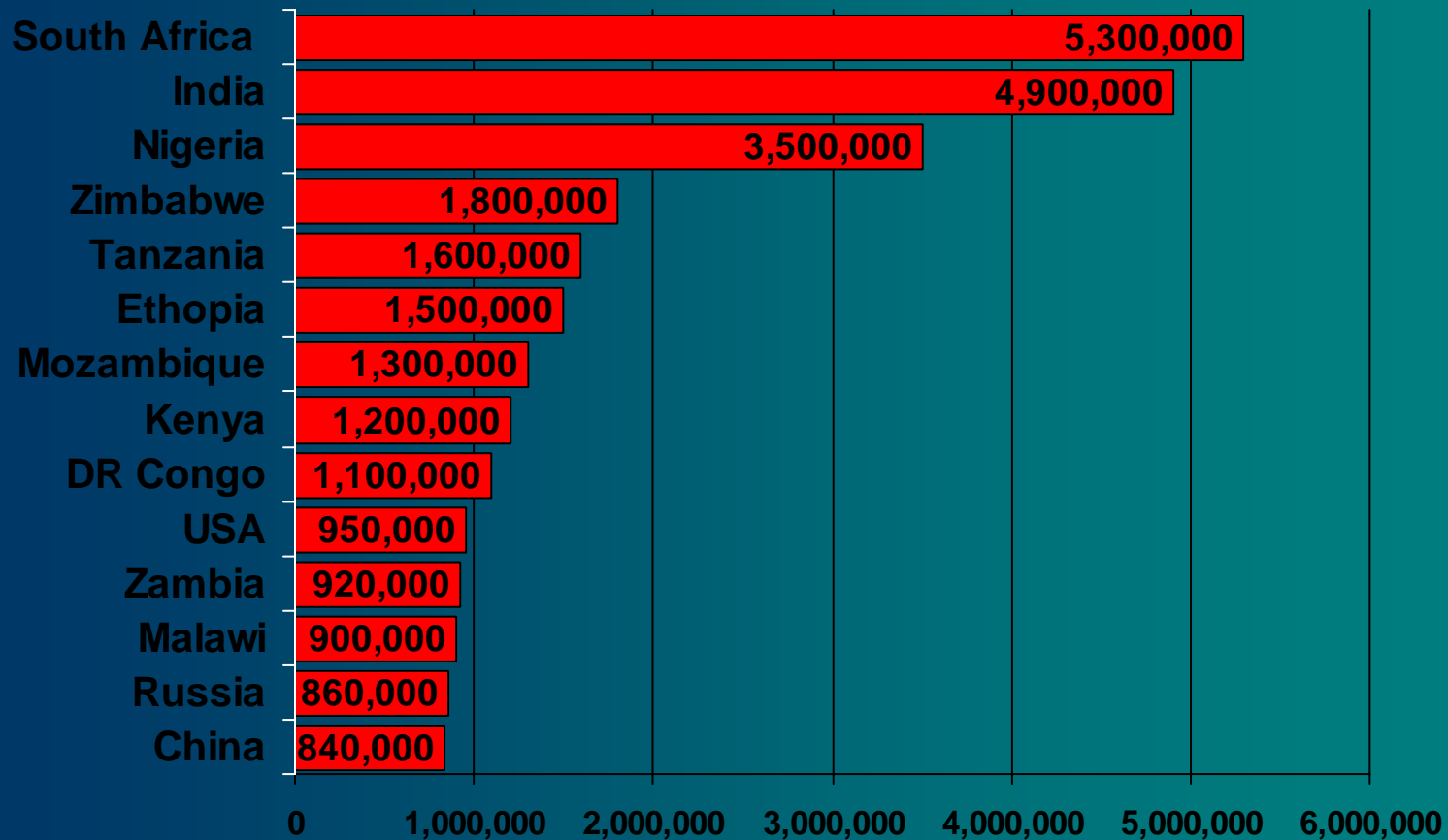
# Overview of the IHV-Nigeria ACTION Project

Patrick Dakum, MD, MPH

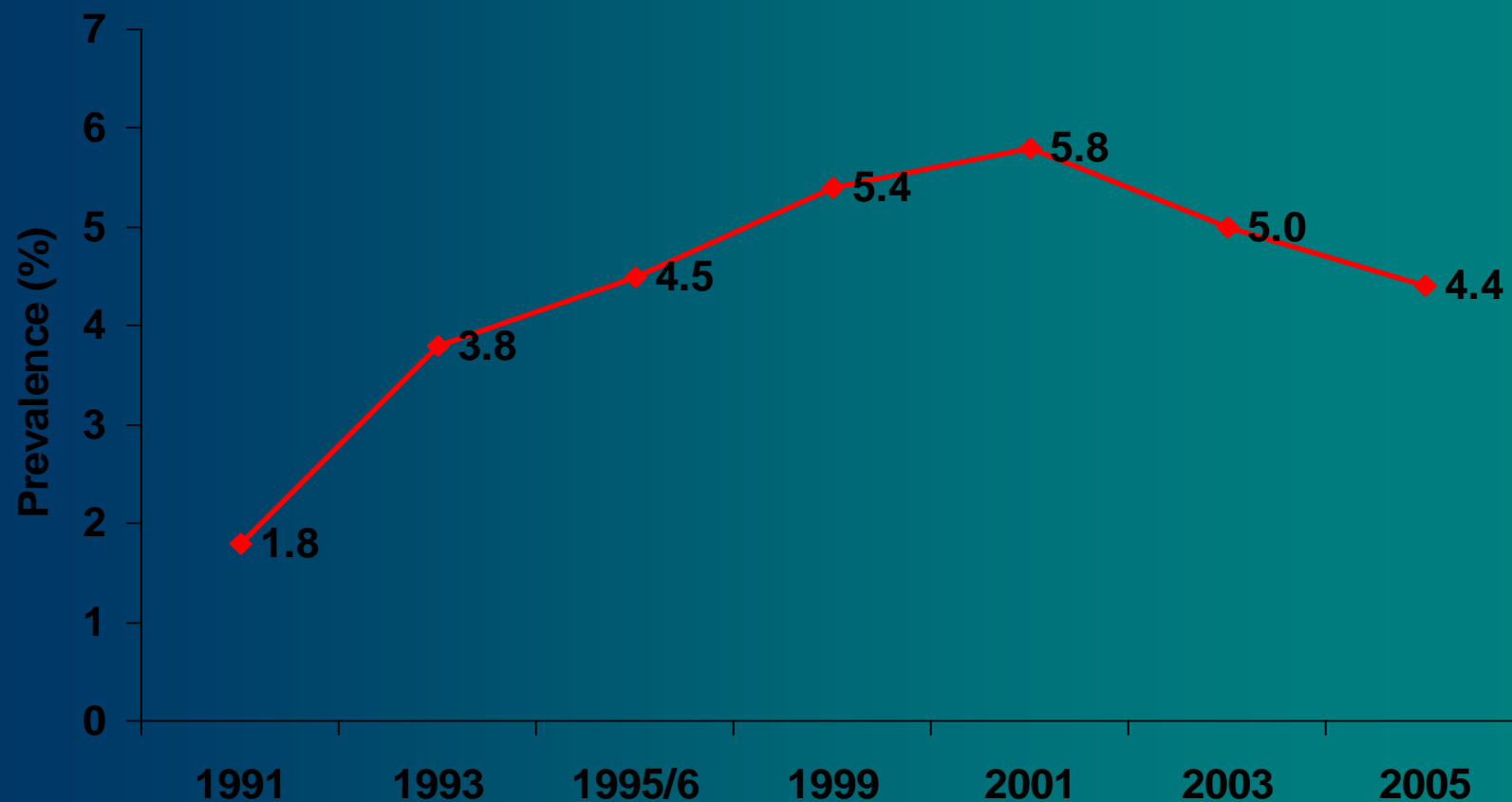
Deputy Project Director/ IHVN CHIEF OF  
PARTY

July 17, 2006

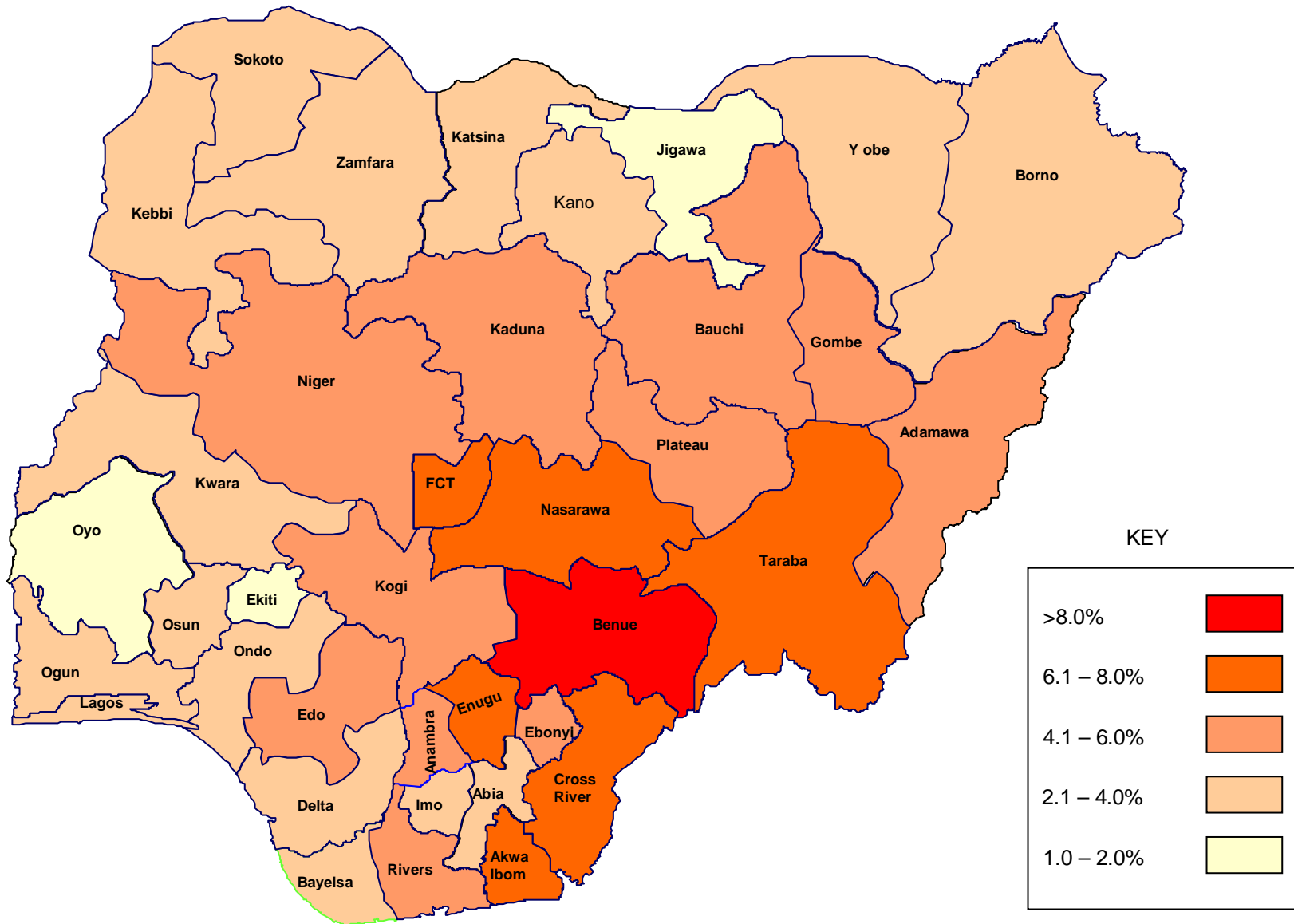
# Global Burden Of HIV

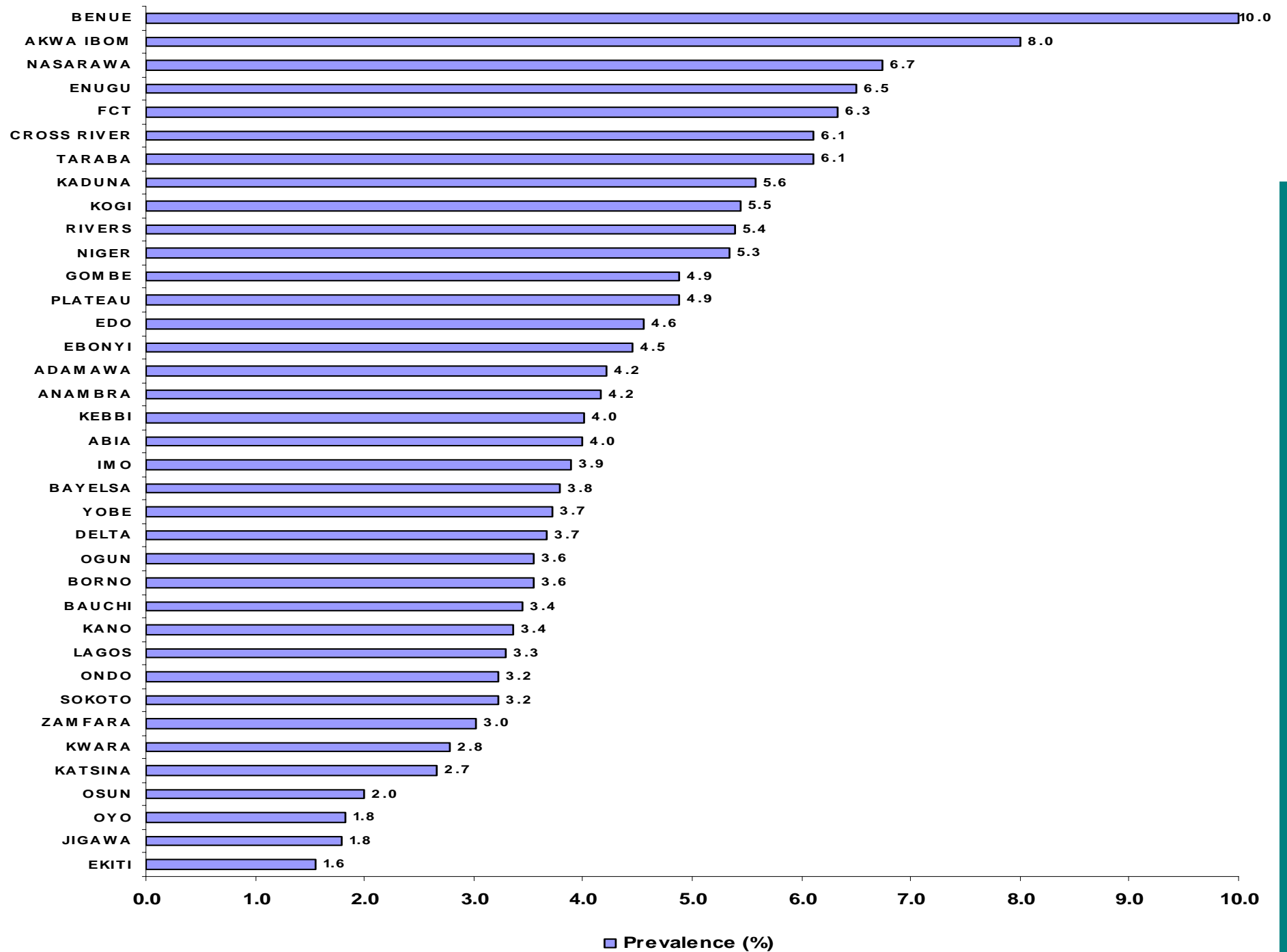


# HIV Prevalence Trend ( 1991 2005)



# HIV Prevalence by state (Nigeria 2005)



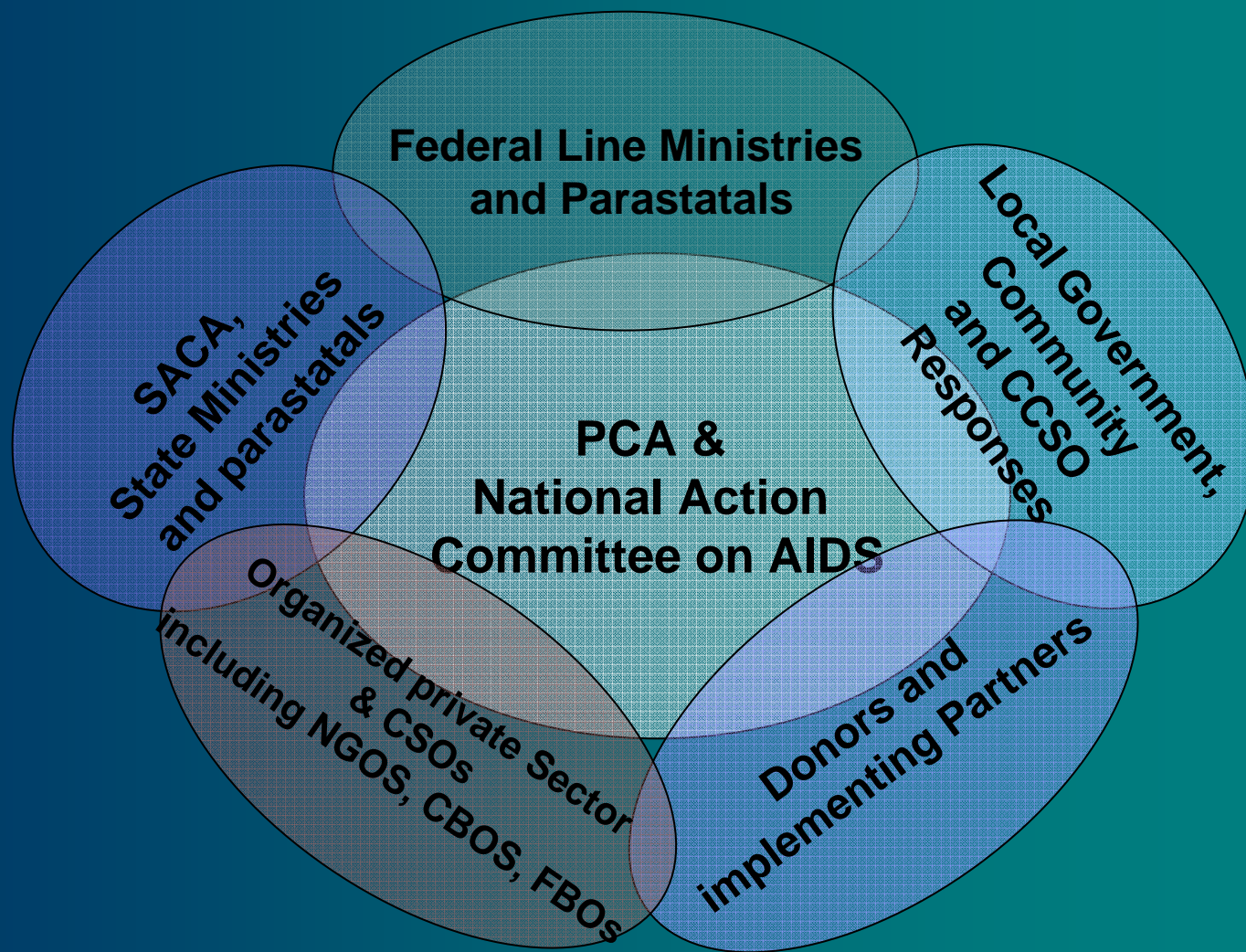


# Goal Of National Policy

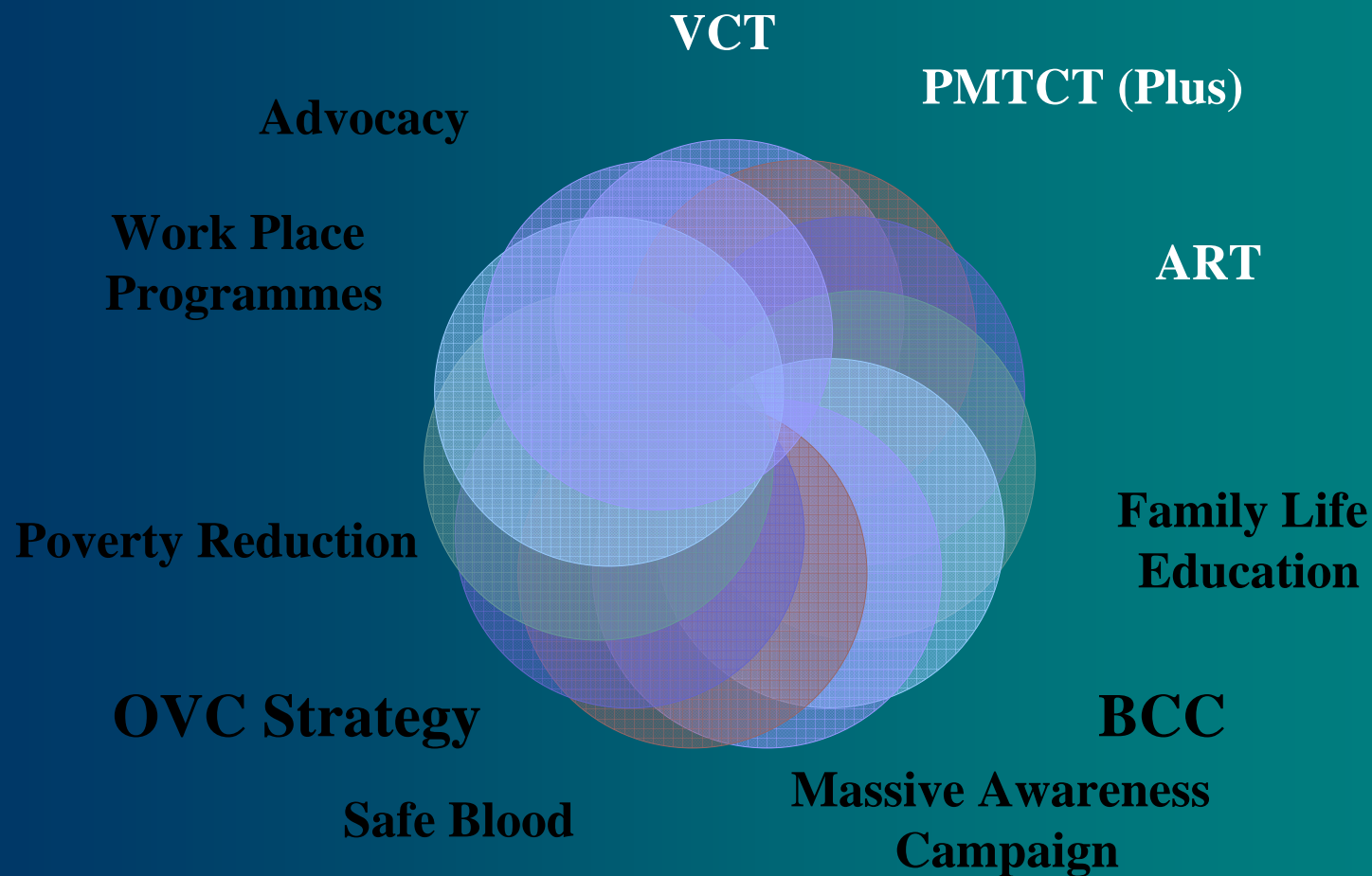


The overall goal of the HIV/AIDS POLICY is to **control the spread** of HIV in Nigeria, to **provide equitable care and support** for those infected by HIV and to **mitigate its impact** to the point where it is no longer of public health, social and economic concern, such that all Nigerians will be able to achieve socially and economically productive lives free of the disease and its effects.

# Multi-sectoral Response



# Comprehensive Programming



# President's Emergency Plan For AIDS Relief (PEPFAR)



## What is PEPFAR?

- President Bush's Initiative which provides **\$15 billion** over **5-years** for implementing integrated HIV **care, treatment and prevention**



## PEPFAR Goals

- **Treat 2 million HIV-infected people (ARVs) by end of 2006 (Title IV)**
- **Prevent 7 million new infections (60 percent of the projected new infections in the target countries)**
- **Care for 10 million HIV-infected individuals and AIDS orphans**
- **In 15 countries**

# Nigeria's PEPFAR Goals



- **Treat 350,000 HIV-infected people (ARVs).**
- **Prevent 1,750,000 new infections (60 percent of the projected new infections in the target countries).**
- **Care for 1,145,545 HIV-infected individuals and AIDS orphans**



# PEPFAR USG AGENCIES



- CDC
- USAID
- NIH
- DOD
- PAS

# CDC Implementing Partners



- IHVN/ACTION Project
- Harvard APIN Plus
- CRS/AIDSRELIEF
- Columbia University

# USAID FUNDED PARTNERS



- GHAIN Project
  - FHI
  - AXIOS
  - FUTURES
  - HOWARD
  - GERMAN LEPROSY AND TB AGENCY
  - RED CROSS
  - CEDPA



# ACTION STRUCTURE



- CLINICAL
- CARE AND SUPPORT
- LABORATORY
- MONITORING AND EVALUATION
- ADMINISTRATION
- MANAGEMENT

# Points of Service



- FCT
  - National Hospital
  - Gwagwalada Specialist Hospital
  - Asokoro District Hosp
- Anambra – NAUTH
- Kano – AKTH
- Edo – UBTH
- Cross River - UCTH

# NEW SITES



- NIPRD
- NTBLTC
- FMC Keffi
- FMC Azare
- FMC Makurdi/GH Oturkpo/Gboko
- BSSH Bauchi
- LSSH Nassarawa
- LASUTH
- COCIN TBL Mangu

# Essential Components



- A multidisciplinary approach and network model:
  - Ongoing training and assessment that supports a multidisciplinary approach to patient care and network of care model to achieve sustainability and scale-ability.
- Foundations for laboratory diagnostics:
  - Development of foundations for laboratory diagnostics focusing on skill enhancement, ongoing quality assurance, and the use of technology appropriate for the setting.
- An evaluation and monitoring system:
  - Development of an evaluation and monitoring system that facilitates productivity and quality assessment, but also provides a platform to address key unanswered questions concerning the HIV epidemic in the developing world.

# Progress to date:



- Lab support for existing ARV patients at 7 sites ongoing. (GHAIN sites 6 in COP 05)
- Treatment with PEPFAR Drugs ongoing in 7 Sites .
- Paediatric formulations now available in all sites
- Second line adult ARVs available.

# Progress to date:



- Technical assistance provided in the completion of Nigerian ARV Treatment Guidelines.(CD4 and Lab)
- Training of physicians and nurses trained in adult and Paediatric ARV care.
- Patient management and monitoring forms developed to improve quality of care.
- Adherence “critical pathway” tools developed and initial sites trained.
- Preceptors Program Ongoing.

# Progress to date:



- 73 physicians and 32 nurses trained in PMTCT using Nigerian facilitators trained under UTAP.
- Nigerian guideline revision completed and 1500 copies printed and delivered to NASCP.
- New PMTCT Training Curriculum concluded, Pilot training carried out and now in use
- Technical assistance and instrument production provided to implement PMTCT E&M system nationally.
- Technical assistance provided to develop national PMTCT scale-up plan.
- Nevirapine and universal precautions commodities supplied to sites.
- Consultants hired to focus on PMTCT E&M data analyses and assist sites with development of PMTCT+ programs.

# PROGRESS



<b>LAB ASSAY</b>	<b>TERTIARY SITES</b>	<b>SECONDARY SITES</b>
HIV Rapid Tests	Test kits:Capillus, Genie II Determine . New Algorithm Non Cold Chain Dependent – STATPACK/Determine	Test kits:Capillus, Genie II Determine collaborate with Axios
CD4+ Cell count	Partec Cyflow SL Green- Automated Cytosphere - Manual	Partec Cyflow Coulter counter- Automated Cytosphere - Manual
Hematology	<b>Sysmex</b> KX-21 Automated	<b>Sysmex</b> KX-21 Automated
Blood Chemistry	<b>Vitros</b> DT 60 II – Automated Spectronic 20D - Manual	<b>Vitros</b> DT 60 II – Automated Spectronic 20D - Manual
TB Diagnosis	<b>Collaborate with FHI &amp; German group</b>	<b>Collaborate with FHI &amp; German group</b>
M&E	Store (-70oc) plasma from selected Clients for Viral Load	Selected plasma samples shipped to tertiary sites for storage for viral load

# TRAINING ACTIVITIES



- Centralized training at Asokoro training center
- Site training
- Monthly Lab site monitoring
- Updated Training: centralized every 6 months
- Proficiency testing: Every 3-6 months

# General Progress

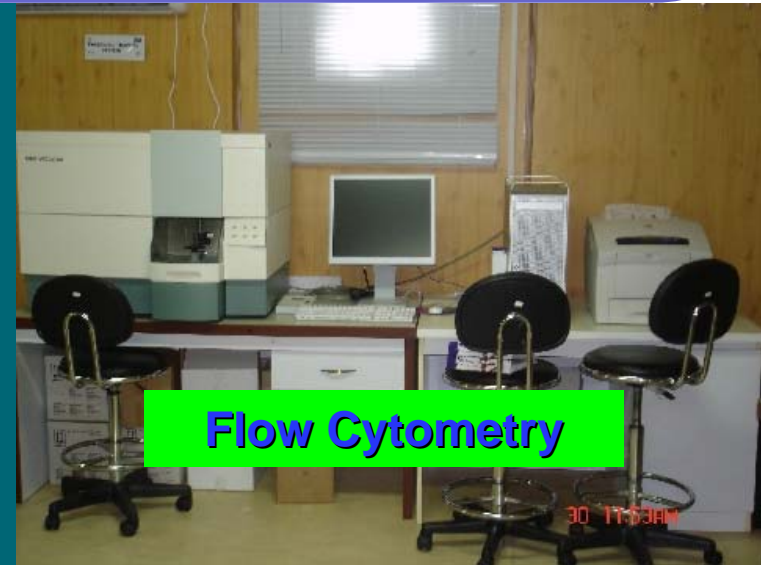


- Renovations of laboratory facilities at sites completed
- Development of regional laboratory training center in the FCT on the grounds of Asokoro Hospital completed – 3 trainings conducted for a total of 100+ trainees
- Training of 11 master laboratory trainers in Baltimore over a 1 month period.
- Identification of laboratory methodology for ARV patient monitoring appropriate for level of sites. sites trained, equipped, and monitoring patients.

# ASOKORO LAB



Entrance to Lab



Flow Cytometry



Trainees in Lab



Trainees in Classroom

# CHALLENGES



- ❖ INFRASTRUCTURE
- ❖ EFFECTIVE CARE AND TREATMENT TEAMS
- ❖ SERVICES (Power and Water)
- ❖ SCALABILITY
- ❖ SERVICE PROVIDERS
- ❖ EQUIPMENTS MAINTAINANCE
- ❖ PARTNERS COORDINATION
- ❖ FEES

# Challenges Contd



- Institution of a credible Inventory Management System for equipment, reagent and drugs
- Site Capacity Building for staff on PMTCT and ARV integration, Dbase etc
- Timely & orderly submission of PMM tools/data

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**DWB2**

Dr. William Blattner, 7/19/2005

# WAY FORWARD



- EFFECTIVE PARTNERSHIP
- COMMITMENT
- CAPACITY BUILDING
- EQUIPMENT MAINTAINANCE CULTURES
- HOSPITAL ART COMMITTEE REVIEWS
- PLAN OF ACTION
- PLAN FOR SUSTAINABILITY

# Bill Blattner







THANKS

