



ICAP

TB and HIV

Families, Women, Pregnancy and Children

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HIV IS A FAMILY DISEASE

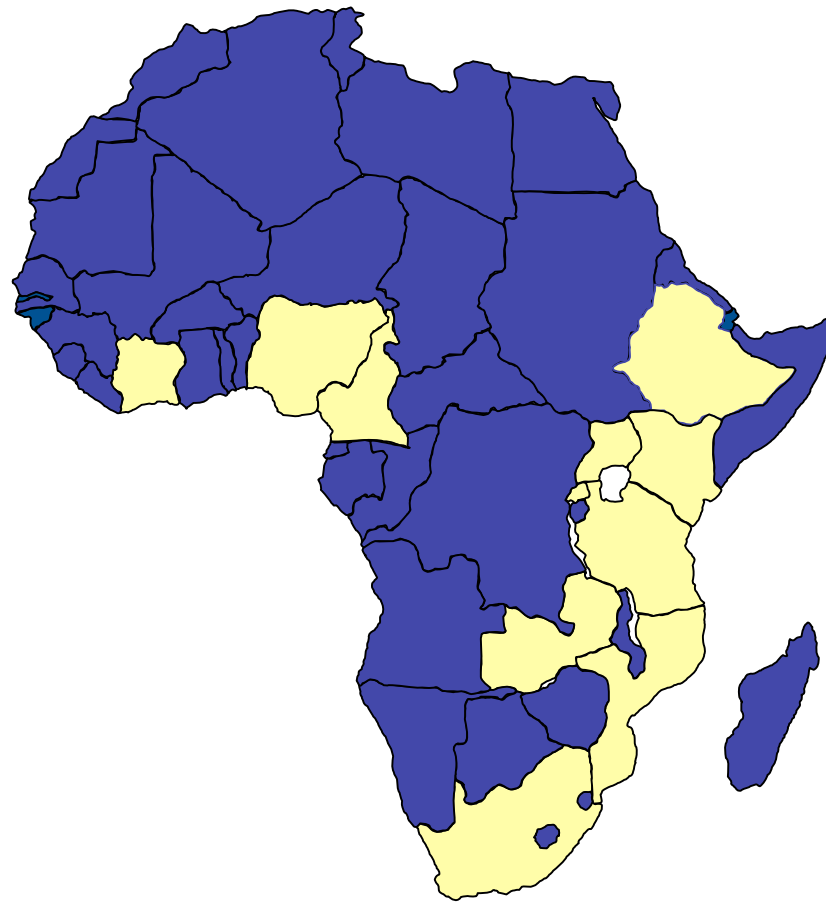
TB is a Family Disease

Almost inevitably, when you identify an individual with HIV or TB you will find that other members of his or her family and/or household also have HIV or TB

Approach to HIV Care and Treatment

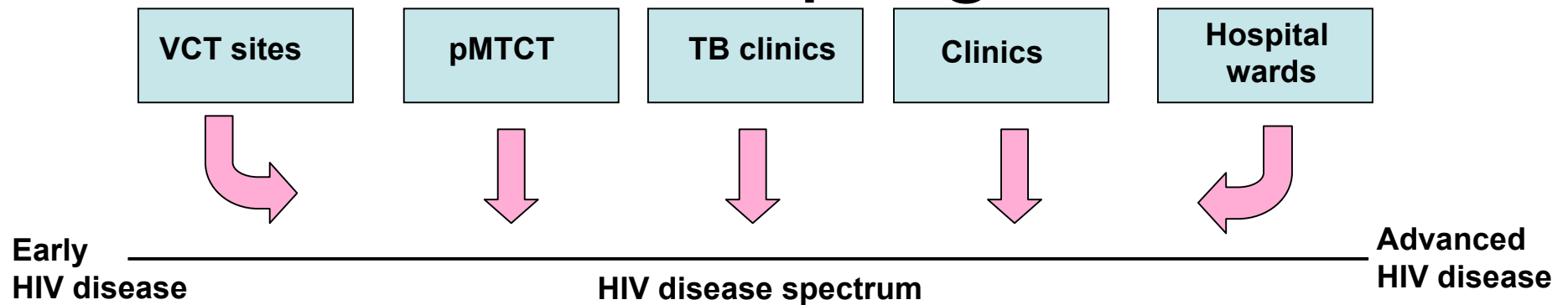
- Family-centered care (adults and children)
- Provision of care and treatment, emphasizing retention of patients in care and treatment
- Engagement and support of patients
- Multidisciplinary teams for care provision
- TB/HIV care and treatment integration
- Integration with national ARV/HIV plans

ICAP-Supported Programs in Africa



Cameroon
Côte D'Ivoire
Ethiopia
Kenya
Mozambique
Nigeria
Rwanda
South Africa
Tanzania
Uganda
Zambia

ICAP-supported HIV care and treatment program

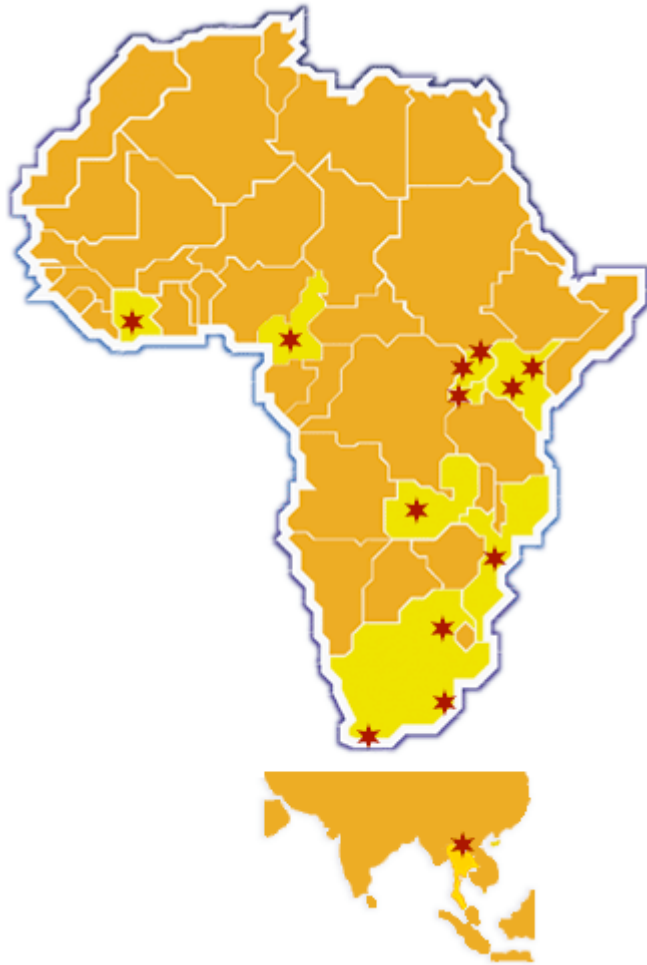


HIV Care & Treatment

Long-term HIV care services, including:

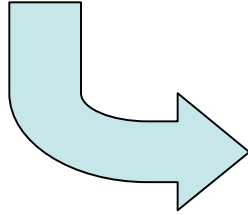
- Family-centered services
- Clinical & immunologic monitoring
- Prophylaxis for opportunistic infections
- Antiretroviral therapy when indicated
- Psychological & social support
- Prevention services
- Nutritional counseling & support
- Access to family planning services
- Outreach activities

The MTCT-Plus Initiative

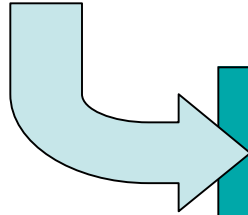


- Cameroon
- Cote D'Ivoire
- Uganda
- Rwanda
- Kenya
- Mozambique
- Zambia
- South Africa
- Thailand

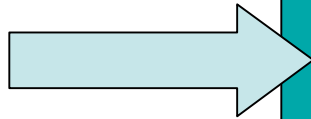
Women attending ANC clinics



Enrollment into MTCT programs



**HIV-infected partners,
Children and Household
Members**



Enrollment into MTCT-Plus

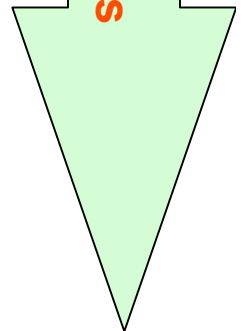
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- Family-centered services
- Clinical & immunologic monitoring

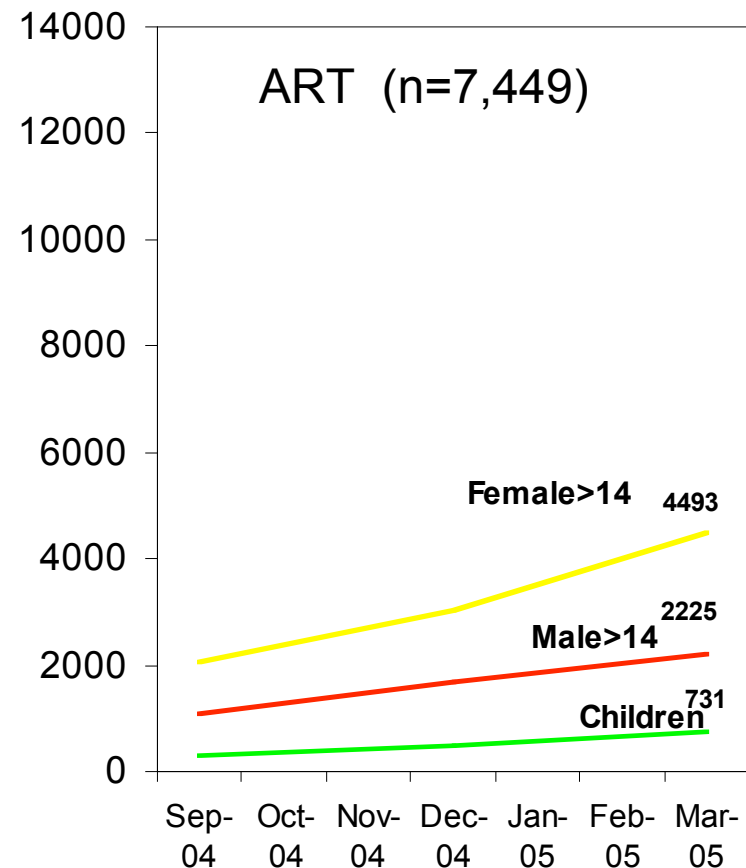
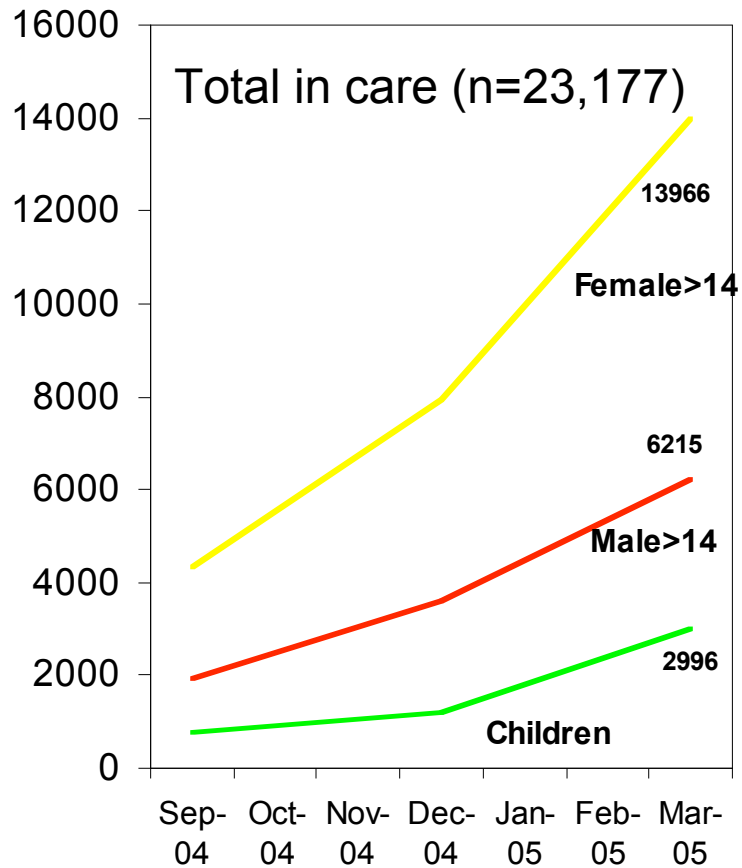
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pMTCT programs

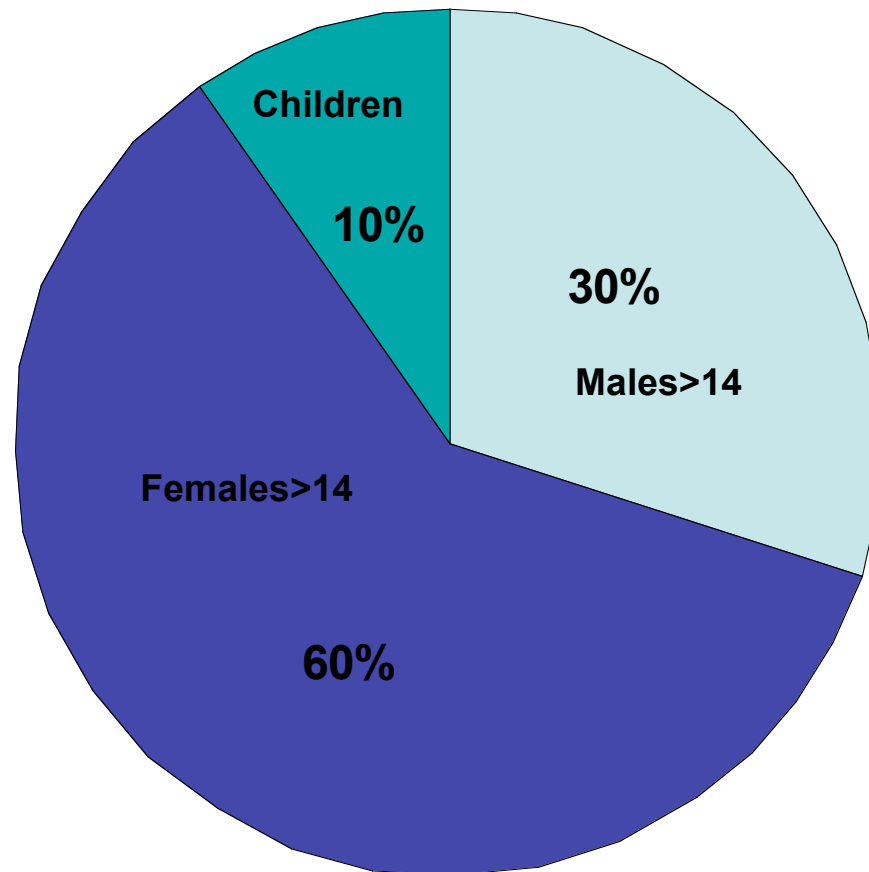
MTCT-Plus



Cumulative Enrollment by ART status, Age and Sex in MCAP sites Sept 2004 - Mar 2005 (n=23,177)



Sex and Age Distribution of Patients Receiving ART March 2005 (n= 7,979)



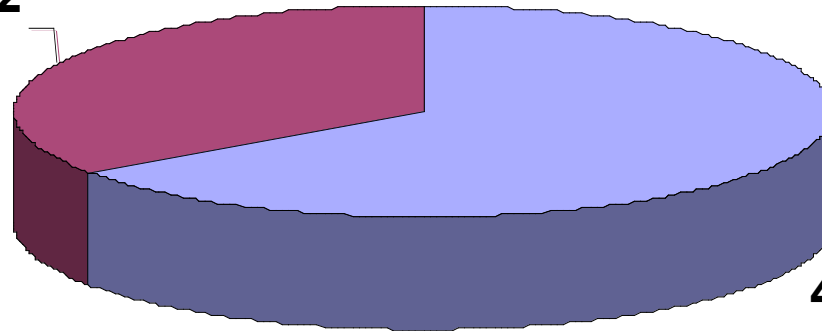
*Kenya, Rwanda, Tanzania, Mozambique, S. Africa

MTCT-Plus Enrollment

n=7095

Children
(35%)

2472



4623

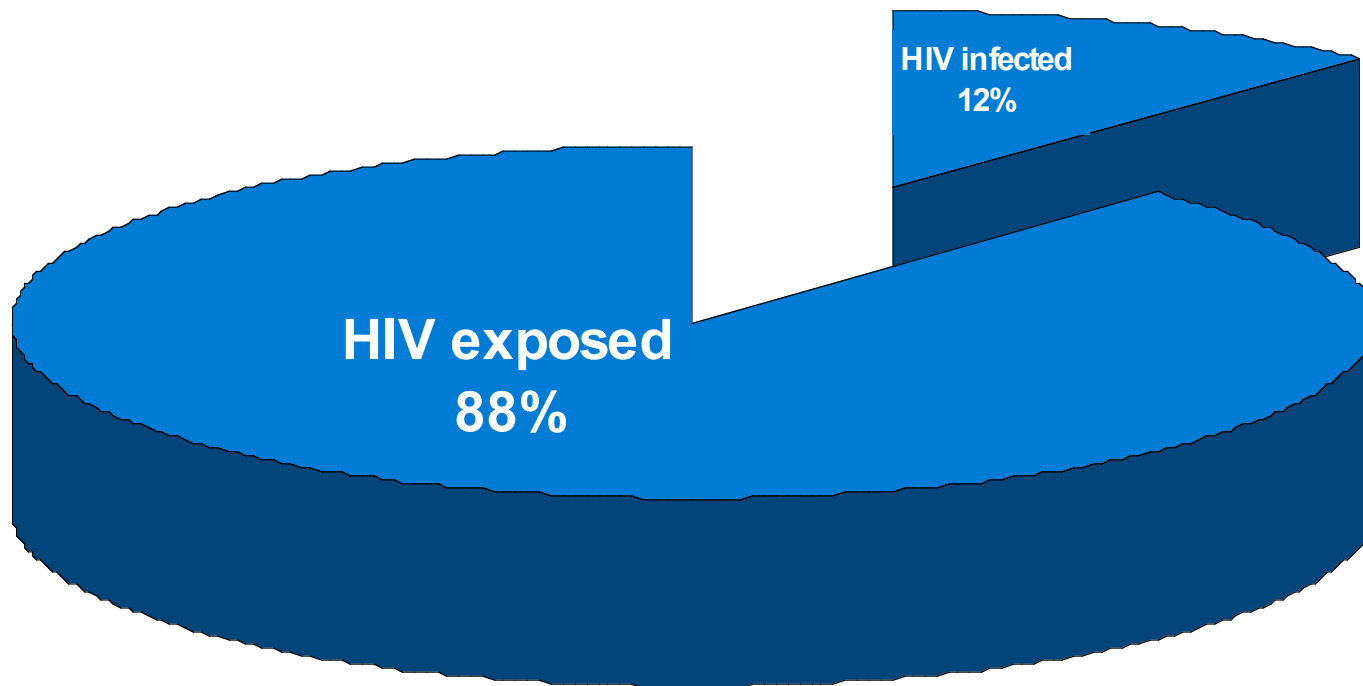
Adults
(65%)

Status of Women at Enrollment into the MTCT-Plus Initiative



1,952 Antepartum and 2,564 Postpartum women

Status of children at enrollment into the MTCT-Plus Initiative



372 (12%) of children are HIV-infected at enrollment, 2,745 are HIV-exposed

ART Regimens in Adults and Children

Regimen	Adult	Children	Total
d4T-3TC-NVP	4189 (62%)	347 (52%)	4536 (61%)
d4T-3TC-EFV	897 (13%)	97 (15%)	994 (13%)
ZDV-3TC-NVP	846 (13%)	94 (14%)	940 (13%)
ZDV-3TC-EFV	605 (9%)	71 (11%)	676 (9%)
ZDV-ddI-LPV/r	21 (<1%)	3 (<1%)	24 (<1%)
Other	201 (3%)	51 (8%)	252 (3%)
TOTAL	6768 (100%)	663 (100%)	7431 (100%)

*Kenya, Rwanda, Tanzania, Mozambique, S. Africa

Summary

- Rapid enrollment in HIV care and treatment
- High proportion of women
- Children, particularly infants, are enrolled in programs
- High prevalence of TB in the same settings
- Opportunities and challenges facing families, women and children in relation to TB/HIV

Opportunities and Challenges

Families

- Case finding for HIV
- TB case finding
- TB in children
- INH preventive therapy (children and HIV-infected individuals)

Opportunities and Challenges

TB/HIV in women

- Case finding
- Choice of ARV
 - Hepatotoxicity (NVP and anti TB medications)
 - Birth defects (efavirenz in first trimester)
- Pregnancy
 - Medication doses
 - Hepatotoxicity
 - Birth defects

Opportunities and Challenges

Children

- Diagnosis of TB
- Choice of ARV in young children with TB
- Pediatric formulations

Opportunities and Challenges

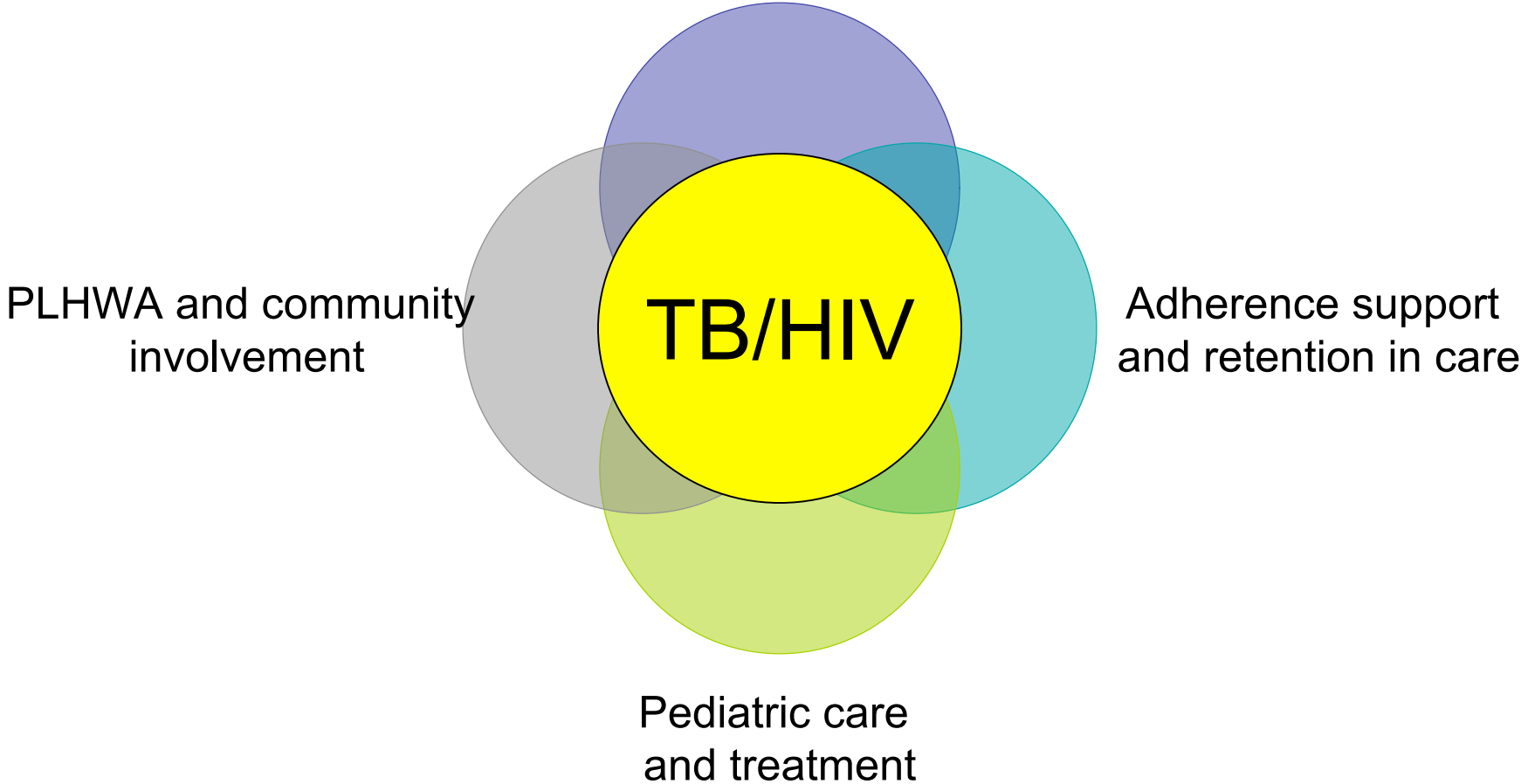
Access to Families

- Disclosure
- Generation and utilization of family support for HIV and TB treatment
- Enhancing adherence and retention in care

Research Opportunities

- TB incidence and prevalence in cohorts and among household members with introduction of ARV/HIV care
- Potential additive benefit/tolerability of INH preventive therapy to ART
- Prevention of TB in households
- Early diagnosis of TB in HIV-infected patients
- Tolerability of HIV/TB medications in women and pregnant women
- Pharmacokinetics of HIV/TB medications in pregnant women and children
- Evaluation of adherence interventions
- others

Family-focused care



Program Support

- Centers for Disease Control and Prevention
- United States Agency for International Development

- Bill & Melinda Gates Foundation
- William and Flora Hewlett Foundation
- Robert Wood Johnson Foundation
- Henry J. Kaiser Family Foundation
- John D. and Catherine T. MacArthur Foundation
- David and Lucile Packard Foundation
- Rockefeller Foundation
- Starr Foundation

For more information: www.columbia-icap.edu