

# Overview and Status of PrEP in Kenya

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Kenya Stakeholders Meeting on REACH

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BILL & MELINDA  
GATES foundation



UNIVERSITY OF WASHINGTON  
INTERNATIONAL CLINICAL RESEARCH CENTER



# Outline

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National program brief

PrEP projects with young women

Early lessons

# This has been a journey



Pre-exposure prophylaxis to prevent the acquisition of HIV-1 infection (PROUD): effectiveness results from the pilot phase pragmatic open-label randomised trial

Cormack\*, David T Dunn\*, Monica Desai, David I Dalling, Milzy Gofos, Richard Gibson, Ann K Sullivan, Amanda Clarke, Iain Reeves,

RESEARCH ARTICLE

Integrated Delivery of Antiretroviral Treatment and Pre-exposure Prophylaxis to HIV-1–Serodiscordant Couples: A Prospective Implementation Study in Kenya and Uganda

David M. Baeten<sup>1,2,3,\*</sup>, Renee Heffron<sup>1,2</sup>, Lara Kidoguchi<sup>1</sup>, Nelly R. Mugo<sup>1,4</sup>, Eily Katabira<sup>5</sup>, Judith A. Bukusi<sup>1,6</sup>, Stephen A. Hoffman<sup>7</sup>, Joseph E. Mahasa<sup>8</sup>, Jennifer Merton<sup>9</sup>

Effectiveness and Safety of Tenofovir Gel, Antiretroviral Microbicide, for the Prevention of HIV Infection in Women

Sha Abdool Karim, <sup>1,2,\*</sup> Salim S. Abdool Karim, <sup>1,2,3,\*</sup> Janet A. Frohlich, <sup>1</sup> Anneke C. Grobler, <sup>1</sup>

Antiretroviral Preexposure Prophylaxis to Prevent Heterosexual HIV Transmission in Botswana

Michael C. Thigpen, M.D., Poloko M. Kebaabetswe, Ph.D., M.P.H.,

Preexposure Prophylaxis for HIV Infection among African Women

Lut Van Damme, M.D., Amy Corneli, Ph.D., Khatija Ahmed, M.Med.,

Preexposure Chemoprophylaxis for HIV Prevention in Men Who Have Sex with Men

Robert M. Grant, M.D., M.P.H., Javier R. Lama, M.D., M.P.H., Peter L. Anderson, Pharm.D., Vanessa McMahon,

Safety and Adherence to Intermittent Pre-Exposure Prophylaxis (PrEP) for HIV-1 in African Men Who Have Sex with Men and Female Sex Workers

Gaudensia Mutua<sup>1,2</sup>, Eduard Sanders<sup>2,3,4</sup>, Peter Mugo<sup>2</sup>, Omu Anzala<sup>1</sup>, Jessica E. Haberer<sup>4</sup>,

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Antiretroviral Prophylaxis for HIV Prevention in Heterosexual Men and Women

David M. Baeten, D. Donnell, P. Ndase, N.R. Mugo, J.D. Campbell, J. Wangisi, J.W. Tapper, E.A. Bukusi, C.R. Cohen,

On-Demand Preexposure Prophylaxis in Men at High Risk for HIV-1 Infection

J.-M. Molina, C. Capitani, B. Spire, G. Pialoux, L. Cotte, I. Charreau, C. Tremblay,

Tenofovir-Based Preexposure Prophylaxis for HIV Infection among African Women

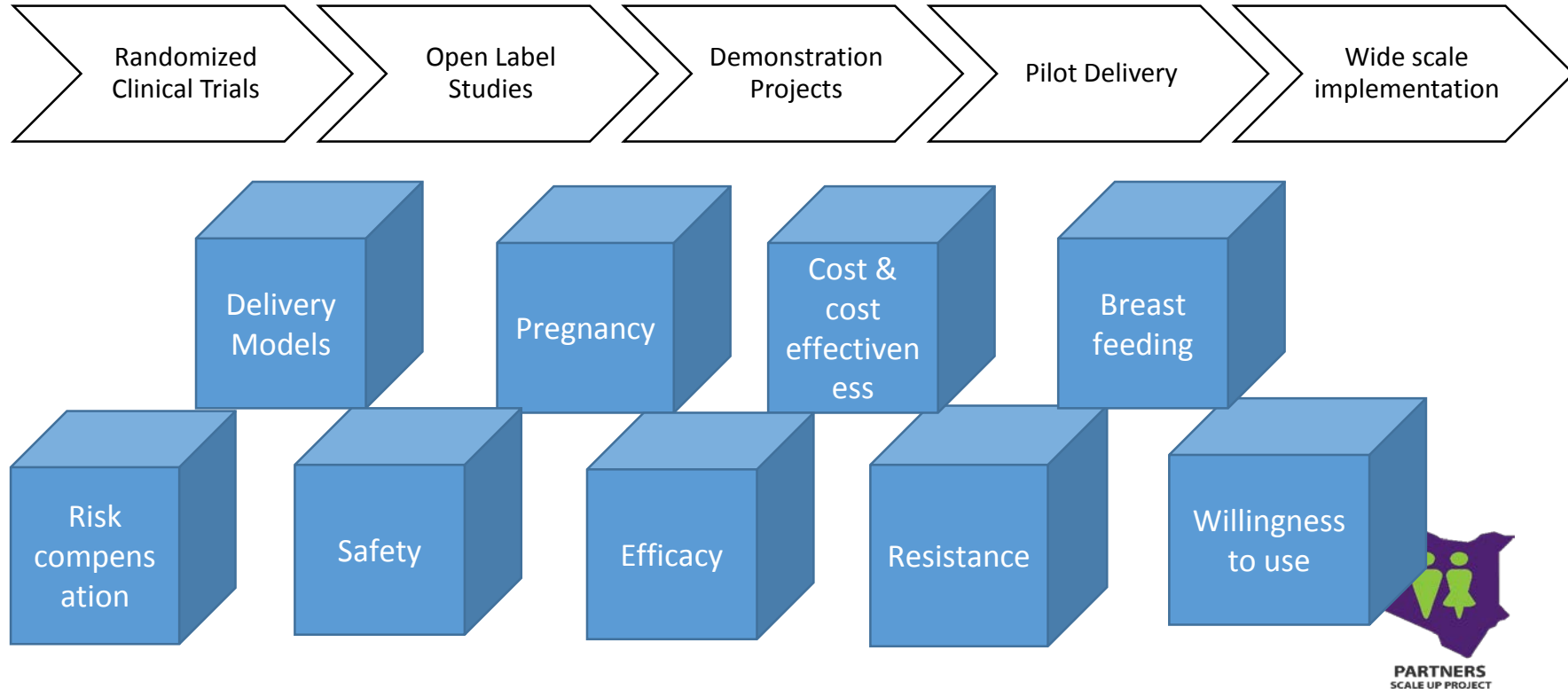
Jeanne M. Marrazzo, M.D., Gita Ramjee, Ph.D., Barbra A. Richardson, Ph.D., Kailazarid Gomez, M.P.A.,

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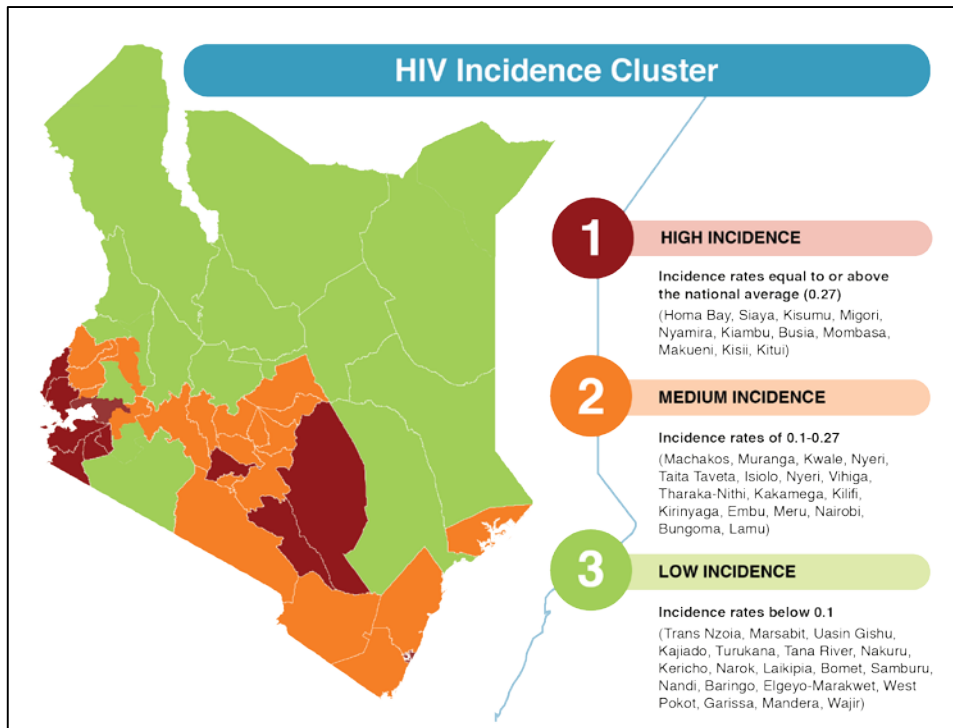
# National Launch



# This has been a journey



# Prioritization

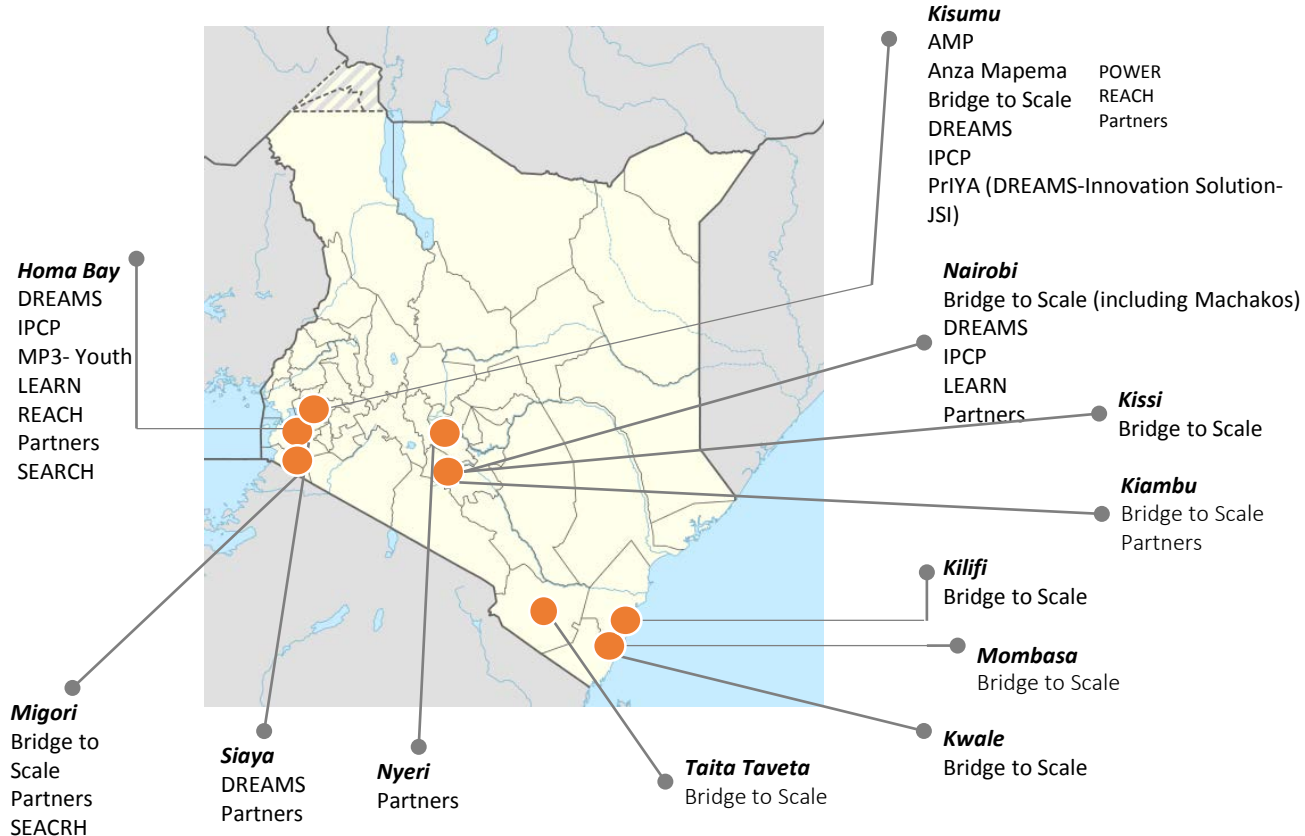


Kenya's epidemic is concentrated in several counties and the PrEP program has placed efforts in those counties

PrEP is an intervention for all persons at risk of acquiring HIV

- for multiple populations – couples, AGYW, MSM, FSW, fisherfolk, etc.

# Initial projects are in high and medium incidence counties



# JiPende JiPrEP! - the campaign identity



The poster features the Kenyan coat of arms at the top center, with 'Ministry of Health' written below it. On the left, the text 'JIPENDE JiPrEP' is displayed in blue and red. In the center, a large red ribbon is tied around a white heart. To the right of the heart, the text 'Love. Prevent. Live.' is written in large blue letters, followed by 'Protect yourself from HIV' in red. Below this, a paragraph states: 'There's a new additional HIV prevention option for HIV negative people. It's called Pre-exposure prophylaxis, or PrEP.' To the left of a vertical line, the text 'TAKEN DAILY, PrEP IS AN ADDITIONAL PREVENTION OPTION' is written in blue and red. To the right of the line, a list of prevention methods is shown with red checkmarks. At the bottom, a line of text reads: 'If you feel you're at an ongoing risk of acquiring HIV and would like to know more about PrEP, please visit your health care provider.'

Ministry of Health

JIPENDE  
JiPrEP

Love.  
Prevent.  
Live.

Protect  
yourself from  
HIV

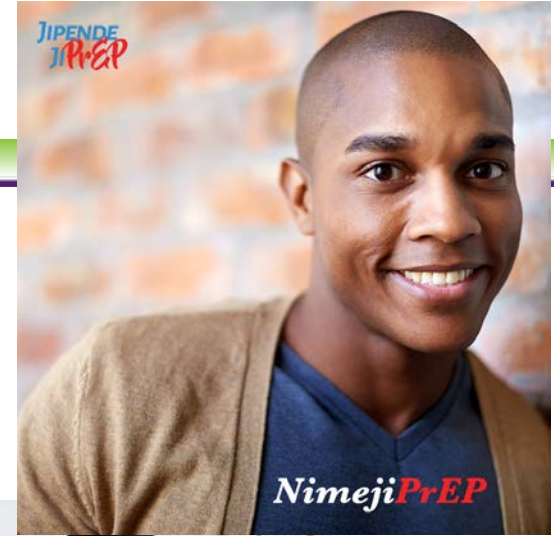
There's a new additional HIV prevention option for HIV negative people.  
It's called Pre-exposure prophylaxis, or PrEP.

**TAKEN DAILY,  
PrEP IS AN ADDITIONAL  
PREVENTION  
OPTION**

- ✓ Condoms
- ✓ HIV testing services
- ✓ Post-exposure prophylaxis
- ✓ Healthy lifestyles
- ✓ Treatment for STIs
- ✓ Voluntary Medical Male Circumcision
- ✓ ART for partners living with HIV

If you feel you're at an ongoing risk of acquiring HIV and would like to know more about PrEP, please visit your health care provider.

# Social Media Campaign



IF YOUR PARTNER'S HIV STATUS DIFFERENT  
FROM YOURS?

PrEP IS A NEW  
HIV PREVENTION METHOD



Ask the health care provider for more info  
or call 0727961803

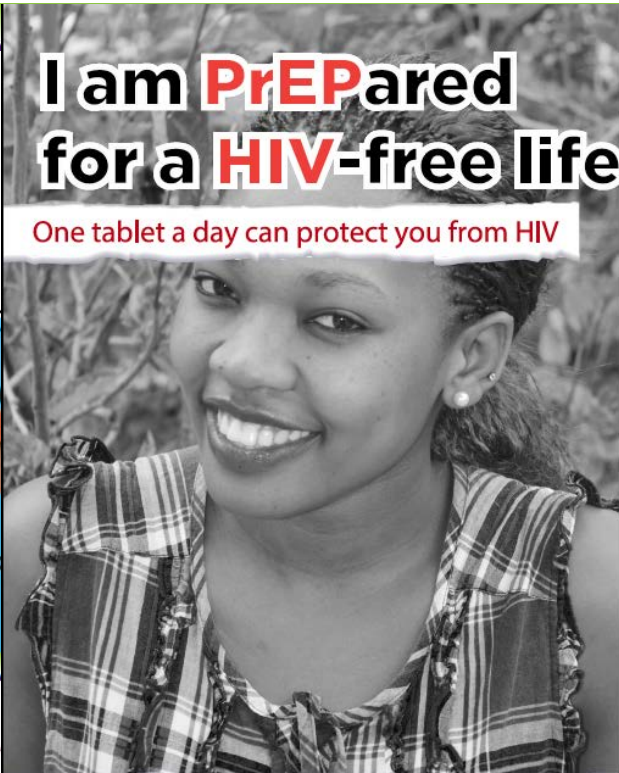
NASCOP

NATIONAL INSTITUTE  
OF HEALTH

Bill & Melinda  
Gates Foundation

# I am PrEPared for a HIV-free life

One tablet a day can protect you from HIV



Email: [prep@lvcthealth.org](mailto:prep@lvcthealth.org), Website: [www.lvcthealth.org/ipcp-project](http://www.lvcthealth.org/ipcp-project)  
Phone number: 0722203610, 0733 333268

IPCPA

LVCT

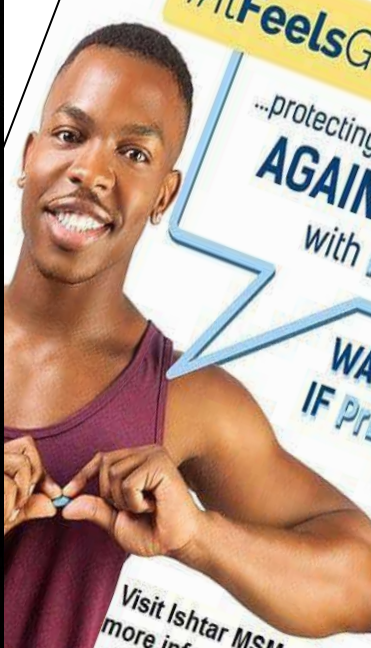
ACTING COORDINATORS: KESALA, GITHA, LITOL, SHANNAN, SHANNON, KHYANNA, PRICED BOUNCES IN PRICED BOUNCES, MARCHETT PUNCHES BOUNCES/MENTAL GROUP

#ItFeelsGood

...protecting myself  
**AGAINST HIV**  
with PrEP

WANT TO KNOW  
IF PrEP IS RIGHT  
FOR YOU?

Visit Ishtar MSM wellness centre for  
more information or call  
+254202497228 or 0713797157



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# PrEP Eligibility

- HIV-negative individuals at high risk of getting HIV infection, including:
  - HIV+ not on effective treatment
  - Sexual partner of unknown status and at risk for HIV
  - Individuals engaging in transactional sex
  - Individuals with recent history of STIs
  - Clients with recurrent use of PEP
  - Habit of having sex under influence of drugs/alcohol
  - Inconsistent or no condom use
  - Injection drug use



Source: "Addressing Cross-Generational Sex." Population Reference Bureau.



# Status of PrEP Implementation

- 376 facilities providing PrEP in 35 counties (ongoing mapping)
- Target population
  - 317 - HIV discordant couples
  - 108 – AGYW
  - 98 – Sex workers
  - 70 – MSM
  - 208 – General population
  - 6 – PWID
- Mix of service points: approx. 90% at CCC, OPD , DICE

# Implementation



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Prevention Options for  
Women Evaluation Research



**PRIYA**  
PrEP IMPLEMENTATION IN YOUNG  
WOMEN AND ADOLESCENTS



**MPYA**   
Monitoring Pre-exposure Prophylaxis in Young Adult Women

**OPTIONS**   
OPTIMIZING PREVENTION TECHNOLOGY INTRODUCTION ON SCHEDULE

# Bridge to Scale Project

To demonstrate and document an effective model for scaling up oral pre-exposure prophylaxis (PrEP) as an HIV-prevention intervention in low-resource settings



**Female sex workers (FSWs)**

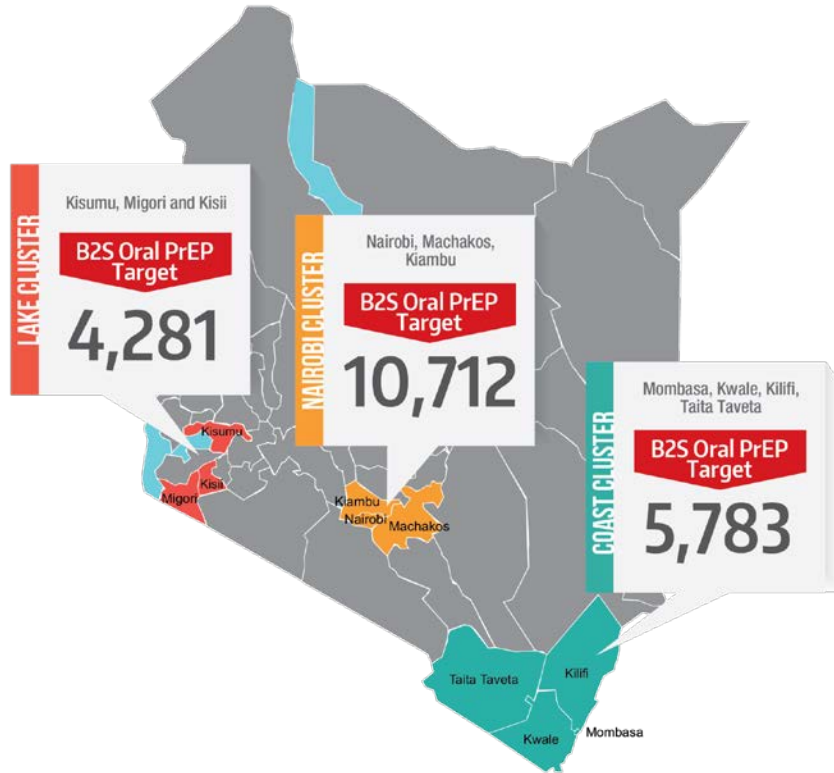


**Men who have sex with men (MSM),  
including male sex workers**



**Adolescent girls and young  
women (AGYW)**

# Bridge to Scale Project



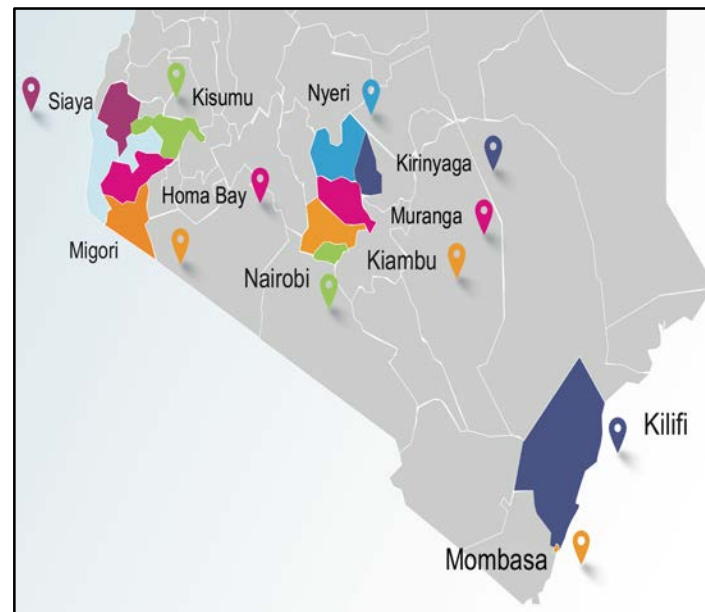
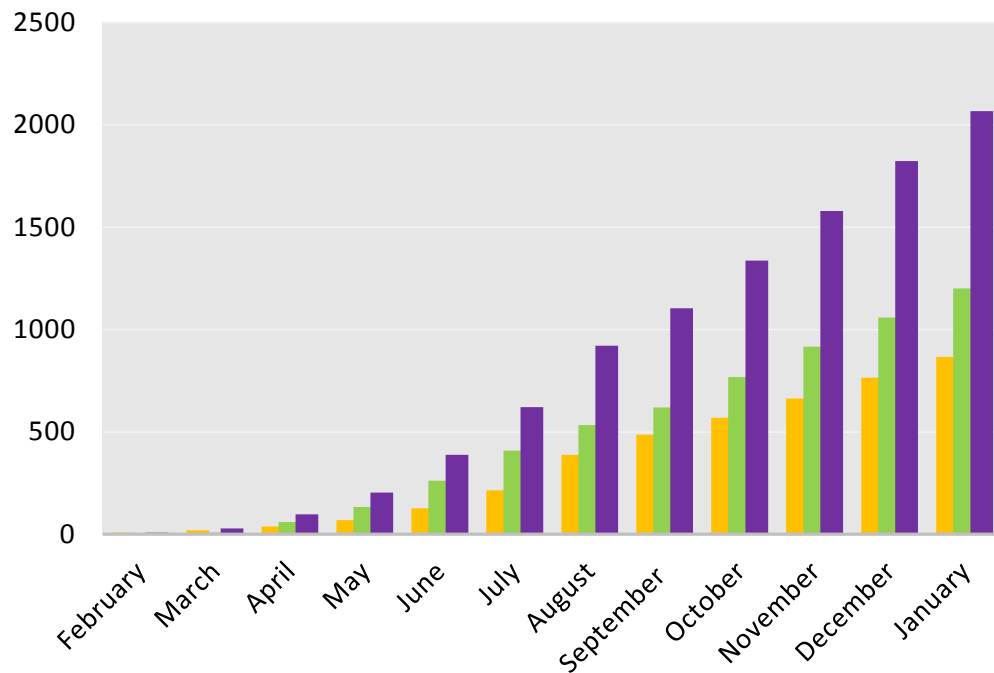
Deliver PrEP in

- Drop-in centers
- Public health facilities
- Private health facilities

Begun in February 2017

# Partners Scale Up Project

An implementation project to scale-up integrated delivery of PrEP and ART among HIV-1 serodiscordant couples



# On-going projects among young women

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- In Kisumu and Thika
- Measuring real time adherence with Wisepill device and providing SMS feedback on adherence
- Fully enrolled

# MPYA



Monitoring Pre-exposure Prophylaxis in Young Adult Women

# P



# POWER

Prevention Options for  
Women Evaluation Research

- In Kisumu and Thika
- Measuring real time adherence with Wisepill device and providing SMS feedback on adherence
- Fully enrolled

- In Kisumu and South Africa
- Exploring uptake in various delivery models – FP clinics in Kisumu





PRIYA  
PrEP IMPLEMENTATION IN YOUNG  
WOMEN AND ADOLESCENTS

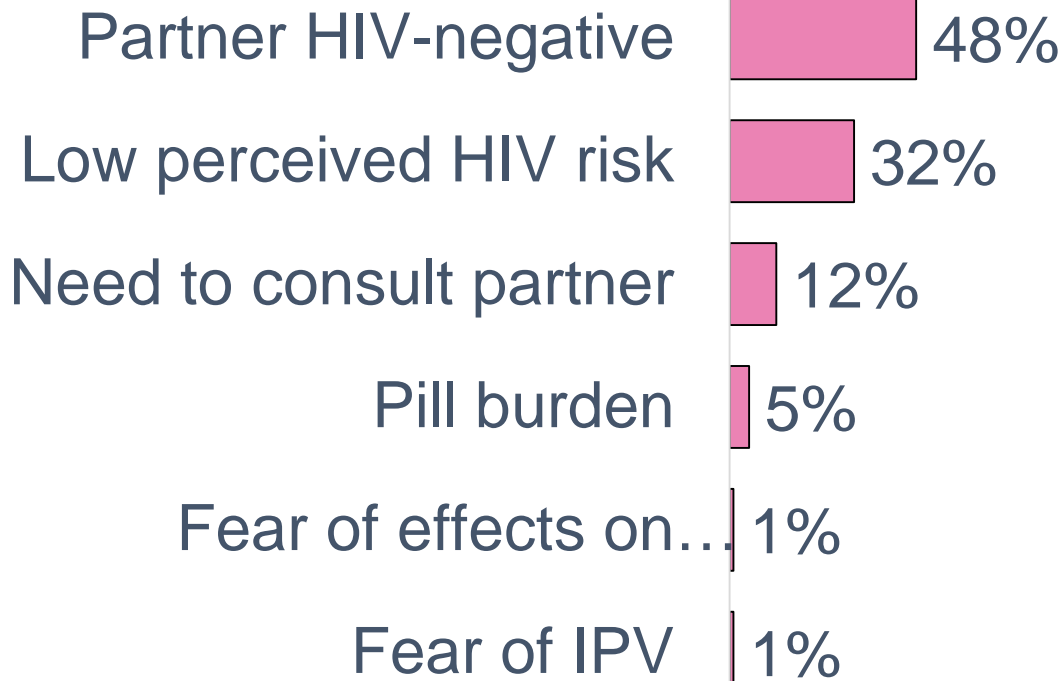
- An implementation program delivering PrEP within routine MCH and family planning clinics in Kisumu, Kenya

## Correlates of PrEP initiation (n=9704)

Crude Odds Ratio (95% CI)	
Transactional sex <sup>1</sup>	1.1 (0.5-2.6)
Diagnosed with STI <sup>1</sup>	<b>2.7 (1.5-4.8)*</b>
Forced to have sex <sup>1</sup>	<b>3.7 (1.7-8.1)*</b>
Experienced IPV <sup>1</sup>	2.1 (0.6-8.0)
Partner HIV status unknown	<b>8.4 (4.8-14.7)**</b>
Age <24 years	<b>1.2 (1.1-1.3)**</b>
Postpartum (vs pregnant)	<b>2.3 (1.0-5.2)*</b>

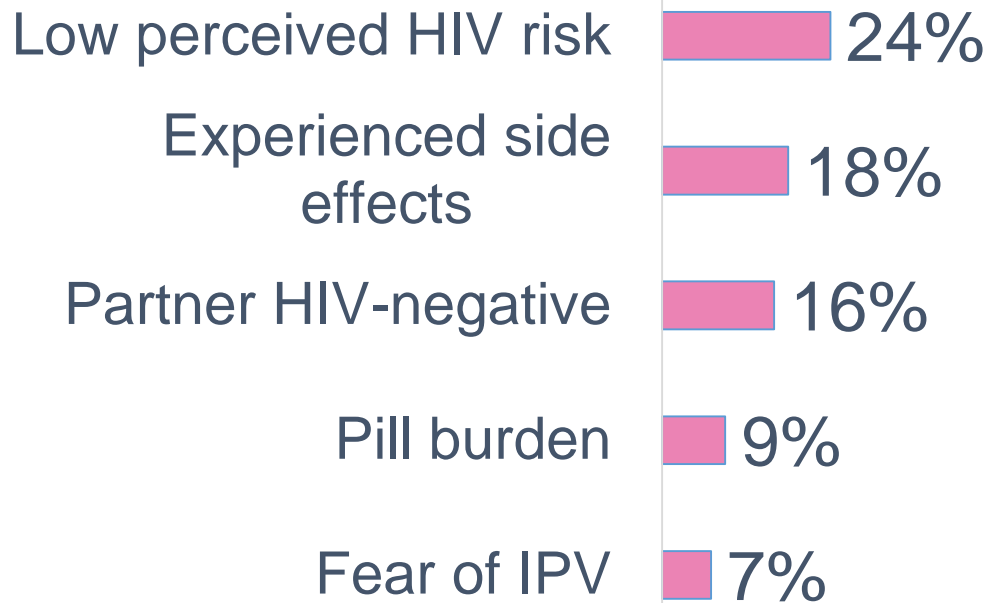
\*p<0.05; \*\*p<0.001; <sup>1</sup> In the last 6 months

## Reasons for declining PrEP (n=7848)



\*Among pregnant clients

## Reasons for discontinuing PrEP (n=337)



# Early lessons

- National and county government involvement and buy-in is key
  - Creates harmony and guidance for all players
- Community education and demand creation
  - Will influence decision making on uptake and effective use
- Education for health providers
  - Willingness to recommend/prescribe PrEP influenced by personal values and level of knowledge

# Unanswered questions

- How to motivate at-risk girls to initiate and continue PrEP
  - Initiation rates are low
  - Drop off rates are high – novelty, review risk, no support
  - Daily pill? Ring?
- How to position PrEP
  - What delivery models will work for young women – CCC, MCH, away from facilities

# Acknowledgements

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- NASCOP PrEP Technical Working Group
- Ministry of Health and county governments in Kenya
- Partners, Jilinde, LVCT, Power, PriYA, MPYA teams
- PrEP users in Kenya



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# Jilinde -AGYW

- Not comfortable with HF delivery
- -may be seen by people they know as they queue in pharmacy, OPD
- Able to identify them through community outreaches – usually event-based.
- Results in impulse enrollment – because peers are enrolling, novelty have not had time for introspection --- impacts continuation rate
- HIV is not top priority for them
- Community support -
- Working to find out what the best way of positioning is