

AIDS ACTION BALTIMORE

# PreP UP

AIDS ACTION BALTIMORE'S  
**NEW HORIZONS**



Boosting empowerment and breaking the bonds of homophobia,  
racism, and stigma in same gender-loving men in Baltimore City  
NETWORKING • HIV 411 • SOCIAL EVENTS • ART CREATION PROJECT

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AIDS Action Baltimore, 410-837-5573 / [NewHorizonBaltimore410@gmail.com](mailto:NewHorizonBaltimore410@gmail.com)

HIV Prevention Advocacy for SGL Men's Health supported by

ViiV Healthcare's ACCELERATE! Program

# **AIDS ACTION BALTIMORE'S NEW HORIZONS PROGRAM**

**CROI PrEP 2018 UPDATE**

**Lynda Dee**

**June 27, 2018**

# **AIDS ACTION BALTIMORE'S NEW HORIZONS PROGRAM**

- **Please Sign the Sign-In Sheet**
- **Please Complete an Evaluation**
- **AAB: 410-837-AIDS - (410) 837-2437**
- **FB: New Horizons or [aidsactionbaltimore.org](http://aidsactionbaltimore.org)**

# **AIDS ACTION BALTIMORE'S NEW HORIZONS PROGRAM**

- **HIV TRANSMISSION RATE STATISTICS**
- **CDC PrEP USE REPORT FOR Q2 2017**
- **CDC PrEP STATS FOR THOSE NEEDING PrEP**
- **PrEP DATA FROM ATLANTA, CHICAGO, NYC AND  
CDC DEMO PROJECT: SF, DC AND MIAMI**
- **NEW PrEP DRUGS, TAF+FTC, IM LA CABOTEGRAVIR  
AND WEEKLY ORAL MK-8591 IN MONKEYS**
- **NEW CASE OF TDF+FTC RESISTANCE**

# AIDS ACTION BALTIMORE'S NEW HORIZONS PROGRAM

- **CDC HIV Transmission Statistics**
  - **1 in 49 in Maryland**
  - **1 in 20 in Black Men in the US**
  - **1 in 2 in Black MSM in the US**
  - **All MSM, especially black MSM must remain a high priority for PrEP delivery**

# **AIDS ACTION BALTIMORE'S NEW HORIZONS PROGRAM**

- **CDC National Quarterly PrEP Use Estimate**
- **61,000 prescriptions in Q2 of 2017**
- **Much lower than the previous estimate of 120,000**
- **Some decrease expected as discontinuations occur**
- **Only 5% of 1.2mil for whom PrEP is indicated are actually receiving prescriptions**
- **PrEP needs to be scaled up in all populations**

# **AIDS ACTION BALTIMORE'S NEW HORIZONS PROGRAM**

- **CDC National Quarterly PrEP Use Estimate**
- **PrEP only 9,150 women were using PrEP**
- **PrEP use in the South is half the next lowest region**
- **PrEP-to-need ration is lower among youth**
- **States in the highest poverty quartile, % uninsured and % of African-Americans (south & midwest) had lower PrEP use**



# **AIDS ACTION BALTIMORE'S NEW HORIZONS PROGRAM**

- **PrEP is indicated for 1,145,00 (9-2015/8-2016)**
- **814,000 MSM, 258,000 heteros, 73,000 IVDUs**
- **43.7% African-Americans need PrEP, use = 1%**
- **24.7% Latinos need PrEP, use = 3%**
- **26.5 white need PrEP, use = 14%**
- **Only 8% for all people for whom PrEP was indicated**

# **AIDS ACTION BALTIMORE'S NEW HORIZONS PROGRAM**

- **Fulton County Board of Health (Atlanta)**
  - **Higher PrEP uptake in white MSM and lower continued use in black MSM**
  - **PrEP implementation in this county health department setting reached key populations**
  - **Overall uptake and persistence were suboptimal**
  - **Recommendations: intensify outreach, education and streamline process**

# **AIDS ACTION BALTIMORE'S NEW HORIZONS PROGRAM**

- **Northwestern University (Chicago)**
  - **PrEP use in YMSM (16-29 male at birth) increased from 6.6% to 17.2%, but 33% discontinued PrEP**
  - **Primary reasons:**
    - **Problems getting appointments (21.5%)**
    - **Insurance coverage or loss (20%)**

# **AIDS ACTION BALTIMORE'S NEW HORIZONS PROGRAM**

- **PrEP Use in Newly Diagnosed in NYC Clinics**
  - **NYC Sexual Health Clinics were excellent PrEP implementation settings**
  - **Disproportionately low PrEP use in black heterosexuals and females may suggest disparities in awareness and accessibility**
  - **High risk sexual behaviors and STIs were common, indicating the need for stronger condom use messaging and regular follow-up**

# **AIDS ACTION BALTIMORE'S NEW HORIZONS PROGRAM**

- **MSM and Trans Women Retained in US PrEP Demo Project in Miami, San Francisco and DC**
- **366/554 (66.1%) of all participants retained**
- **127/554 (22.9%) had intermittent retention**
- **61/554 (11%) lost to follow-up in first 12 wks**
- **Black MSM and younger adults = intermittent and ELTF (early loss to follow-up/first 12 wks)**
- **Early interventions may promote continuation**

# **AIDS ACTION BALTIMORE'S NEW HORIZONS PROGRAM**

- **FTC/TAF Prevents Vaginal SHIV in Monkeys**
- **Oral FTC/TAF 24h before and 2h after vaginal exposure prevented SHIV similar to FTC/TDF**
- **Only one infection seen from low drug levels**
- **Expands results of FTC/TAF in rectal SHIV**
- **Findings support FTC/TAF for PrEP against vaginal HIV infection in women as well as men**

# **AIDS ACTION BALTIMORE'S NEW HORIZONS PROGRAM**

- **Long Acting Cabotegravir and Penile SHIV**
- **Validated the penile repeat exposure SHIV transmission model with oral FTC/TDF**
- **LA CAB protects monkeys against penile infection**
- **Penile concentrations similar to rectum**
- **High efficacy supports trials for LA CAB for penile HIV (accounts for half the HIV infections)**

# **AIDS ACTION BALTIMORE'S NEW HORIZONS PROGRAM**

- **Oral MK-8591 Prevents Rectal SHIV**
- **Efficacy of different doses of oral MK-8591**
- **Suggests effective weekly oral dosing**
- **92% protection rate in monkeys challenged rectally weekly with SHIV**
- **No safety issues were noted with oral MK-8591**
- **Suggests an oral weekly dose of MK-8591 that will be effective in humans**



# **AIDS ACTION BALTIMORE'S NEW HORIZONS PROGRAM**

- **HIV Transmission While on PrEP**
  - **Patient given an 11 refill Rx, was told to return for follow-up visits, did not return as directed**
  - **Acquired HIV with a resistance mutation**
  - **Kept using FTC/TDF after being infected which probably caused two other resistance mutations**
  - **Proper prescribing and follow-up would have allowed for quicker identification of HIV and may have prevented additional resistance**

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# **AIDS ACTION BALTIMORE'S NEW HORIZONS PROGRAM**

- **THANK YOU FOR ATTENDING**
- **Jeffrey Grabelle, Falina Chanel, Ali Moody and Jay Mangum**
- **NATAP.org**
- **Gilead Sciences**
- **ViiV Healthcare**