AIDS ACTION BALTIMORE

PrEP UP Town Hall Meeting
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PrEP Town Hall Meeting

• Pre-Exposure Prophylaxis - PrEP works if you take it
  • Latest MSM Data
  • Dosing
  • Adherence
  • HIV Testing/Resistance
  • Toxicity/Side Effects
  • Behavioral Issues
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• PrEP MSM Data

• PROUD and IPERGAY: 90% reduced risk of HIV
  Demo Project Study: 2/500, DC, Miami, SF

• HTPN 076: ADAPT: Harlem, NYC and Bangkok:
  • Three Dosing Strategies:
    • Daily Dosing
    • Twice Weekly + post sex doses-time driven
    • Pre and Post sex doses-event driven
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• HPTN 067-ADAPT MSM DOSING STUDY: Harlem & Bangkok
  • Daily Truvada is most effective to prevent HIV infection, sex act coverage and best promoted adherence
    • Post-sex dose was the most frequently missed dose
    • Stigma related impediments were frequent at the Harlem site
    • Harlem participants were perceived as HIV+ and promiscuous
    • Partner disclosure fostered adherence in Bangkok
  • Both underscore the need for community education
  • Dosing preferences varied at the Bangkok site; doses adapted to participant preference may be the most powerful adherence tool
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• Adherence
  • What are the best ways to foster adherence?
    • Daily dosing (ADAPT Study)
    • Stable living arrangements (DEMO Project Study)
    • Condomless insertive anal sex (ADAPT and DEMO)

• Will all MSM populations take their medication as required?
  • UK, Canada, Harlem, Bangkok, small transgender %
  • DC, Miami, SF only 7% black and 2% transgender

• Will real life adherence be the same as during study participation???
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- HIV Testing, Resistance, Toxicity/Side Effects

  - Will **PrEP** users who become HIV+ develop resistance to Truvada?
    - Resistance is minimal. People should be HIV tested every 3 months.

- How frequently should people be HIV tested?
  - People should be tested for STIs? Every 6 months

- Will **PrEP** users develop toxicity or serious side effects?
  - Demo Project study shows no serious side effects
  - ADAPT study shows similar side effects in daily and intermittent dosing.
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• New Side Effect Information: Kidney Toxicity
  • Main kidney toxicity of Truvada: Tubulopathy
  • CrCl - Creatinine Clearance: Measure of waste products
    • Elevated levels suggest improper kidney functioning
    • Normal levels in men: 97-137 ml per min and 88-128 in women
  • GFR - Glomerular filtration rate: Measure of CrCl
  • eGFR - Estimated glomerular filtration rate
    • Calculated by age, gender, ethnicity and creatinine blood levels
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• Kidney Recommendation: Additional Monitoring-IPEX OLE
  
  • PrEP Associated with modest eGFR decline
  
  • Non-progressive thru 48 weeks
  
  • No tubulopathy
  
  • No clinically relevant decline thru 24 months
  
  • New onset eGFR $\leq 70$, and
  
  • Baseline eGFR $\leq 90$, in patients over 40
  
  • May warrant additional monitoring or kidney consultation
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• Behavioral Issues

  • Will people use **condoms** if they are using PrEP?
    • Yes and No
    • PrEP adherence is better without condom use.

  • Will people have **more sexual partners** if they are using PrEP?
    • No – The same or less sexual partners during studies.

  • Will **recreational drug use** affect PrEP adherence?
    • Yes and No
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• THANK YOU
  • Jill Crank
  • Falina Laron
  • Richard Pazornick
  • Ashley Queen