Synergies and critical gaps for U=U & PrEP

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- 2011 Undetectable=Uninfectious

- Transmission between partners reduced by 96%
- 0 transmissions - when virus was undetectable

- Partner study confirms the U=U for anal sex
- 0 transmissions when virus <200 copies

- Transmissions from other partners not prevented
- February 2015, CROI – consolidation for MSM

- PrEP compared to ‘no-PrEP’
  - ‘no-PrEP’ HIV rates very high: 9% a year
  - Effectiveness very high: 86%
  - 0 infections in PrEP users on drug at the time of risk

- On demand PrEP compared to placebo
  - placebo HIV rates very high: 7% a year
  - Effectiveness very high: 86%
  - 0 infections in PrEP users on drug at the time of risk
Community campaigns with clinicians for PrEP

- Two campaigns, one led by Greg Owen and Alex Craddock and one by Will Nutland and Marc Thomson
- Supported by clinicians and researchers
- Launched (on a shoestring) Oct 2015

Guide to PrEP

Buying PrEP online:
Safe use and
NHS monitoring

This booklet was produced in June 2016. As information about PrEP is likely to change based on new research please see the online version on the i-Base website for updates.

Information in this booklet is meant to be used in discussion with your doctor.

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Community campaigns with clinicians for U=U

- Led by Bruce Richman, an advocate living with HIV in the US
- Consensus statement supported by clinicians and researchers
- Launched (on a shoestring) July 2016
The journey starts with the HIV test

Express opens

PHE GUMCADv2 datasets from Dean Street 2012-16
Decline through 2017

80% decline in HIV cases since 2015
EPIC-NSW STUDY

CLICK TO ACCESS YOUR TOOLKIT
EPIC quantifies the added value of PrEP

Population-level effectiveness of rapid, targeted, high-coverage roll-out of HIV pre-exposure prophylaxis in men who have sex with men: the EPIC-NSW prospective cohort study


Summary

Background HIV pre-exposure prophylaxis (PrEP) is highly effective in men who have sex with men (MSM) at the individual level, but data on population-level impact are lacking. We examined whether rapid, targeted, and high-coverage roll-out of PrEP in an MSM epidemic would reduce HIV incidence in the cohort prescribed PrEP and statewide in Australia’s most populous state, New South Wales.

- 90-90-90 goals met before study began without decline
- 20% of MSM in the study area had initiated PrEP by the end of follow-up
- 25.1% reduction overall
- 31.5% decline in recent infections
- 49% decline in Australia-born
- 52% in gay suburbs of Sydney
EPIC identifies gaps

Figure 2: Number of recent HIV infections in New South Wales
Figure shows data for the 12 months before commencement of recruitment to EPIC-NSW (n=149, “before”) and the 12 months after the 3700th EPIC-NSW participant was recruited (n=102, “after”) by age, country or region of birth, and area of residence. NSW=New South Wales.
Critical gaps
Gaps in HIV testing

- Behaviours include not testing at all, and not testing frequently enough
- Stigma a barrier to visiting clinics/GPs/pharmacies—could self-testing address this?
- Access to clinics decreasing and often inconvenient or time-consuming
Gaps in STI services

- Studies plagued by methodological challenges but increasing in all populations this century and especially MSM

- PrEP users in European Hornet survey more likely to be tested for STIs, and likely to be the case for people living with HIV

- U=U and PrEP are opportunities for STI control, but services need to be scaled up
- Gaps in terms of those left behind

- Communities with no or limited access to services especially viral load and HIV/STI tests

- Where external and internal stigma still drive policy and fuel late diagnosis

- Where there are other priorities: security, food, other health issues, others to care for etc
Recommendation

Combination prevention is not just combining interventions

It is combining forces with community at the core to bring about sustainable change and this must include:
- making testing easier and more acceptable
- universal access to STI diagnostics and viral load as well as the necessary drugs
THE GRASS IS ALWAYS GRINDR
A MODERN TALE OF LOVE, SEX AND CHEMS

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