New approaches to STI management

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56 Dean Street, Chelsea & Westminster Hospital
For the first time we have seen a significant drop in new diagnoses among gay and bisexual men in the UK overall
- This is due to declines in London
- Most declines among UK or European born men of white ethnicity aged 25-39
What do we know?
New Infections in MSM

- 80% from undiagnosed
- 50% from recent infection

(Some) reduced risk behaviour

- Primary infection
- 76% eliminated risk behaviour entirely
- 24% >= 1 risk:
  - 4, UAI with HIV-neg partner
  - 4, UAI with HIV-? partner
  - 16, UAI with casual partner

(UAI = condomless anal intercourse)

STIs

- STIs significant factors in HIV transmission
  - e.g. Genital ulcer disease:
    - RR 2.2x, HIV acquisition in HSV-2 seropositive men

U=U

- HTPN052
- PARTNER
  - ‘Risk of HIV transmission through anal sex when HIV viral load is suppressed is effectively zero’

Cohen M et al. *Antiretroviral treatment to prevent the sexual transmission of HIV-1: results from the HPTN 052 multinational randomized controlled ART.* Sixth International AIDS Society Conference on HIV Pathogenesis, Treatment and Prevention, Rome, abstract MOAX0102, 2011

Rodgers A et al. *Risk of HIV transmission through condomless sex in serodifferent gay couples with the HIV-positive partner taking suppressive antiretroviral therapy (PARTNER): final results of a multicentre, prospective, observational study.* Lancet 2019
Strategies to reduce HIV

• Reduce (undiagnosed) HIV
  – Chronic infection
  – Primary infection

• Suppress VL in those diagnosed HIV+

• Treat other STIs

• Prevention
What did we do?
Change location: Soho

Soho outreach: ½ new HIV diagnoses

5.4% HIV+ London gay venues (2003)

Soho
Environment
Welcome to 56 Dean Street

56 Dean Street is a friendly, convenient and free NHS sexual health and HIV/GUM clinic in the heart of London’s Soho.
Dean Street Express: asymptomatic
Rapid STI results

Increase demand

HIV tests and diagnoses, MSM attending 56 Dean Street
Increase demand

(Combination) prevention

Test-and-treat
(Treatment-as-prevention)

Targeted online resources
Education
- PRIME
- Plan Zero

PrEP
PEP

Health adviser support
Chemsex support
10% risk HIV seroconversion

- Rectal NG or CT
- ‘Early’ Syphilis
- PEP
- >1 condomless receptive anal intercourse in last 3 months


PRIME is a members only enhanced service for selected Dean Street users.
Watch the videos, make a choice, take control!

Click here to see member benefits >

PRIME FEATURES
watch introduction here >

- Priority access to Dean Street Express
- Monthly text support
- Special offers and events
- Exclusive services just for you

CHOOSE ONE OF THE FIVE OPTIONS BELOW AND TAKE CONTROL OF YOUR SEXUAL HEALTH.

- TAKE A BREAK
  Take a short break from sex
- JUST US
  Maintain a safe and monogamous relationship
- CONDOMS PLUS
  Condoms and a safety net
- PrEP
  A pill that prevents
- TOTAL BAREBACK
  Test regularly and catch an infection early
Show this text to use Express without a reservation. Valid for 30 days. Or order a home test kit at
www.deanstreetathome.com
Text PRIMESTOP to 88020 to leave

Do you know anyone who might benefit from free NHS funded PrEP? The PrEP IMPACT Study reopens at Dean Street this month

This month on PRIME The Grass Is Always Grindr. The new 3-part Joe Series explores apps, PrEP, loneliness & self-esteem:
HIV is falling in London’s gay men. We can get it to ZERO.

We have finally found the tools to beat HIV. We’ll do it if we all act together. Take the test to find out which will work for you.

Start
Towards elimination of HIV amongst gay and bisexual men in the United Kingdom.

‘Standard’ pathway

14 days

U&E
LFT
FBC
Hep A/B/C
Syphilis
glucose
lipids
CD4
VL
HLA-B5701
VRT
RITA
New pathway

- U&E
- LFT
- FBC
- Hep A/B/C
- Syphilis
- glucose
- lipids
- CD4
- VL
- HLA-B5701
- VRT
- RITA

48 h
# Time to ART start

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>‘Standard’ (n=214)</th>
<th>New pathway (n=115)</th>
<th>P value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Days to ART initiation (median, IQR)</td>
<td>26 (16–55)</td>
<td>7 (3–20)</td>
<td>p&lt;0.05</td>
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</table>
PEP and PrEP
Online generics

Private non-generic

Additional private care

Other sources

Research trials

Source: www.prepimpacttrial.org.uk/
PrEP Follow up (no renal concern)

Standard

Baseline
HIV* & STI, Hep B/C
U&E plus urine dipstick

Every 6 months*
HIV & STI, Hep C

At least once a year
U&E

* IMPACT patients still every 3/12
And...

• Role of *Mycoplasma Genitalium*
• Pooled ‘3-in-1’ samples
• Extra-genital testing in women
• Antibiotic PEP for STIs


Acknowledgements