

Controlling the HIV Epidemic with Antiretrovirals?

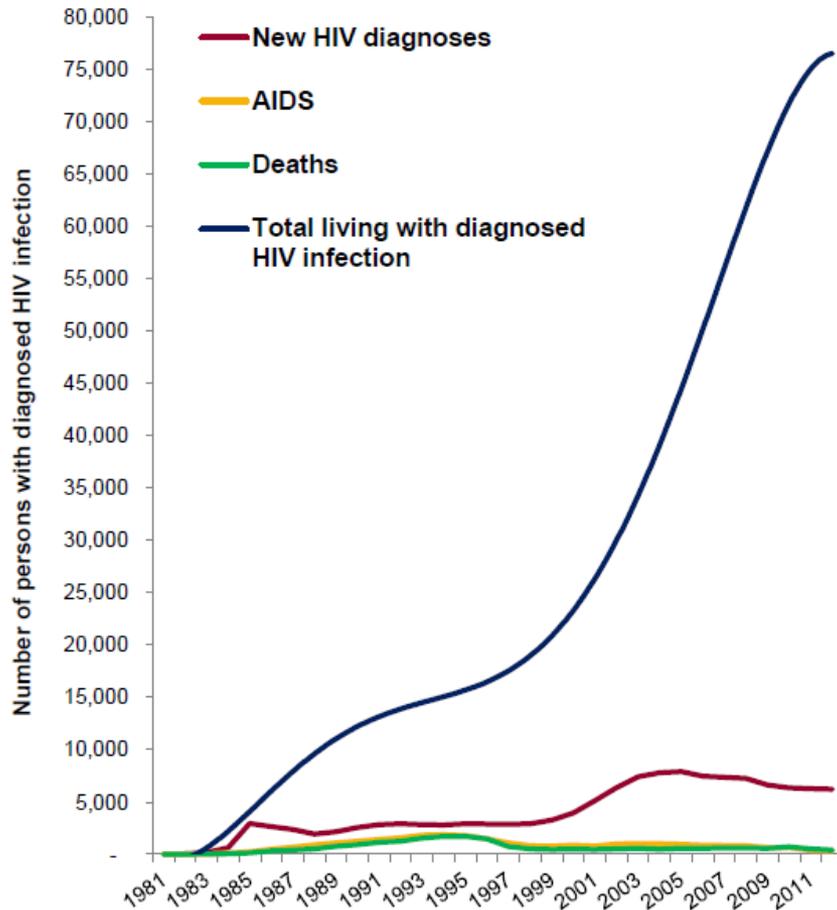
Why pills alone are not the silver bullet for gay men in the UK

Sir Nick Partridge

Terrence Higgins Trust, UK



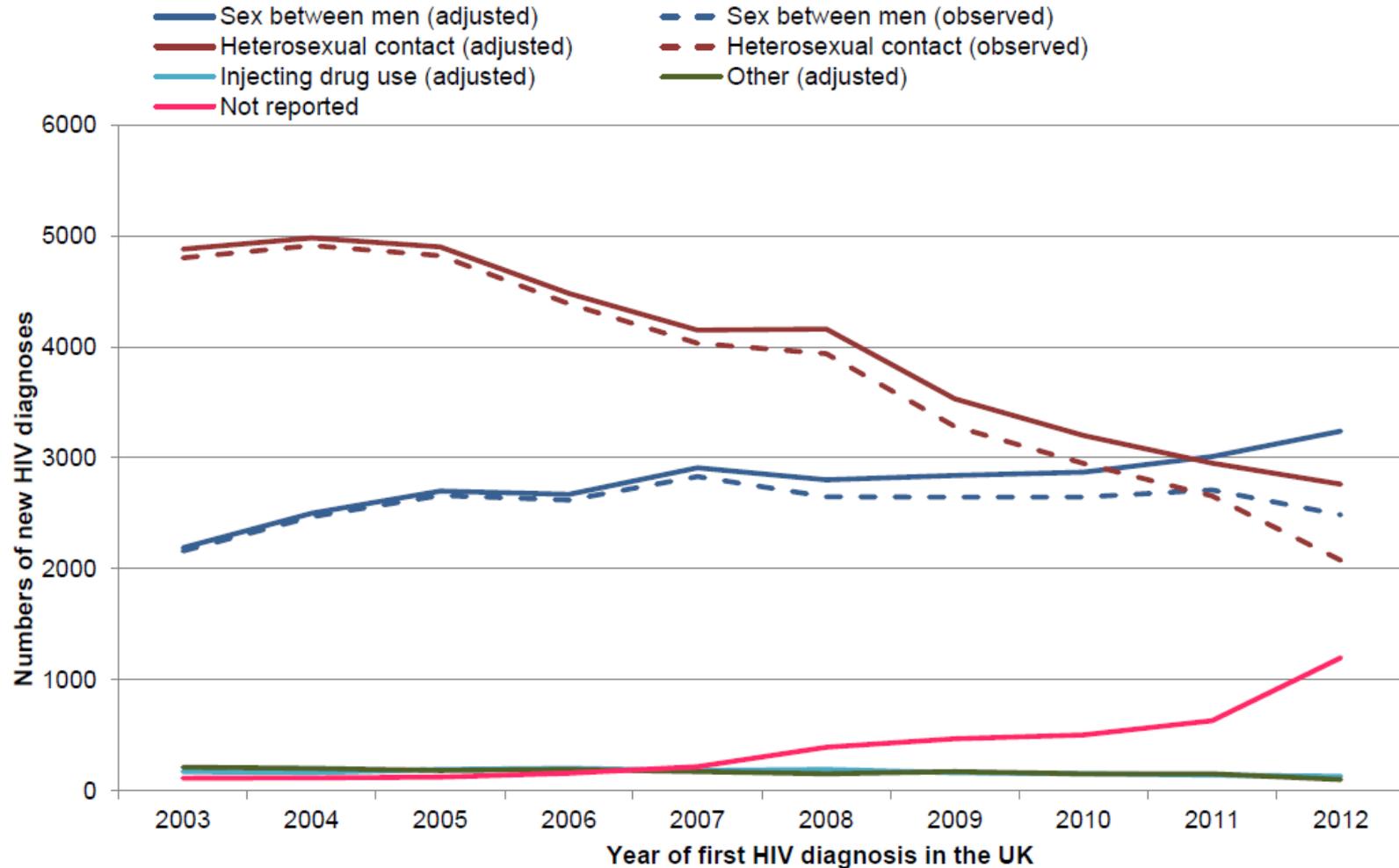
HIV epidemic in the UK to date



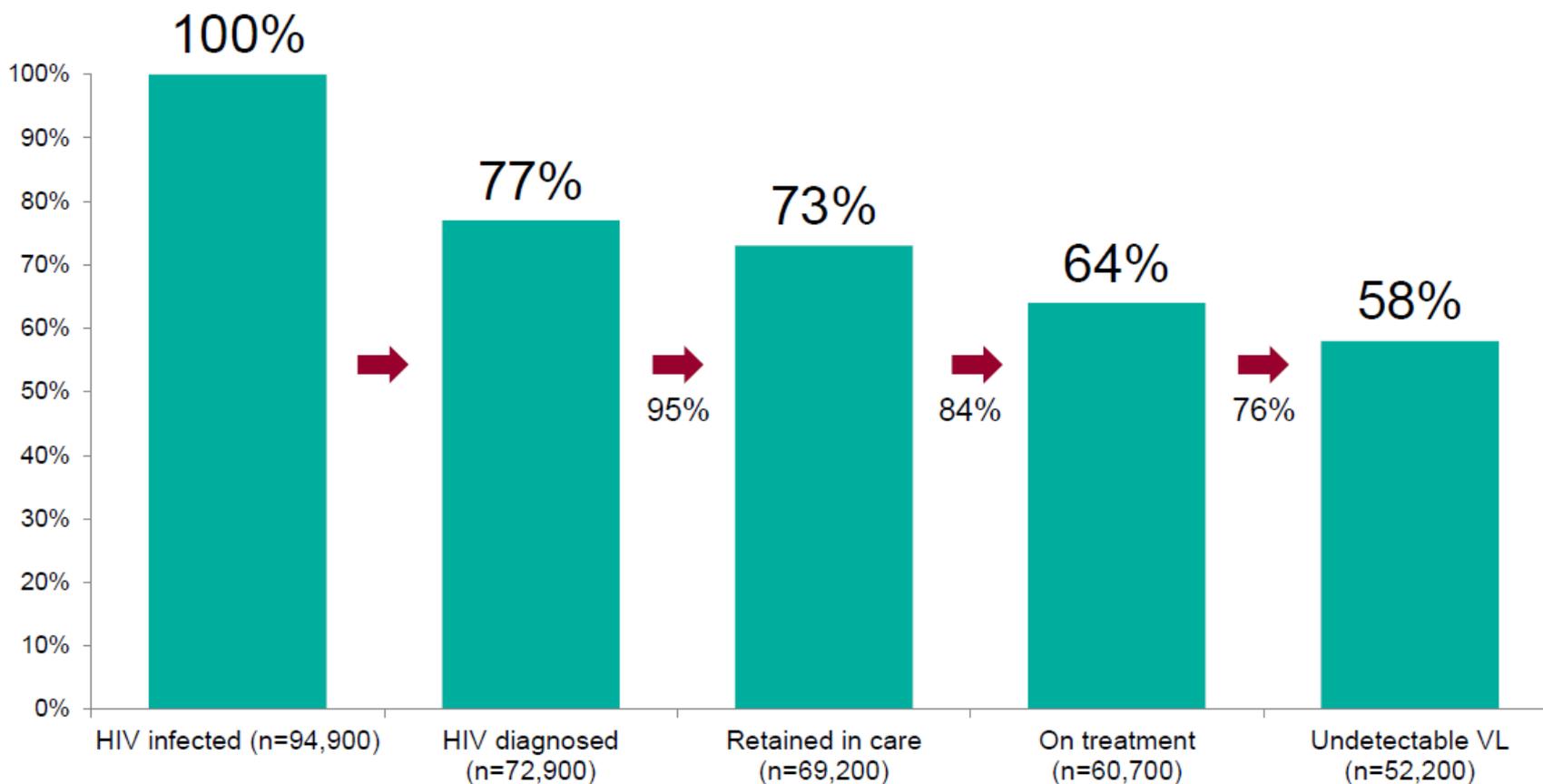
- **128,680 diagnosed with HIV**
 - New diagnoses concentrated in men who have sex with men (MSM), people from sub-Saharan Africa and people who inject drugs (PWID)
- **27,890 first AIDS diagnoses**
- **21,040 deaths among people living with HIV**
- People living with HIV can now expect a near normal life expectancy with the introduction of effective ART.
- **Estimated to be over 100,000 living with HIV by end of 2012 (25% unaware)**
- Ageing cohort – as of 2011, 1 in 5 adults accessing care were aged 50 and older.



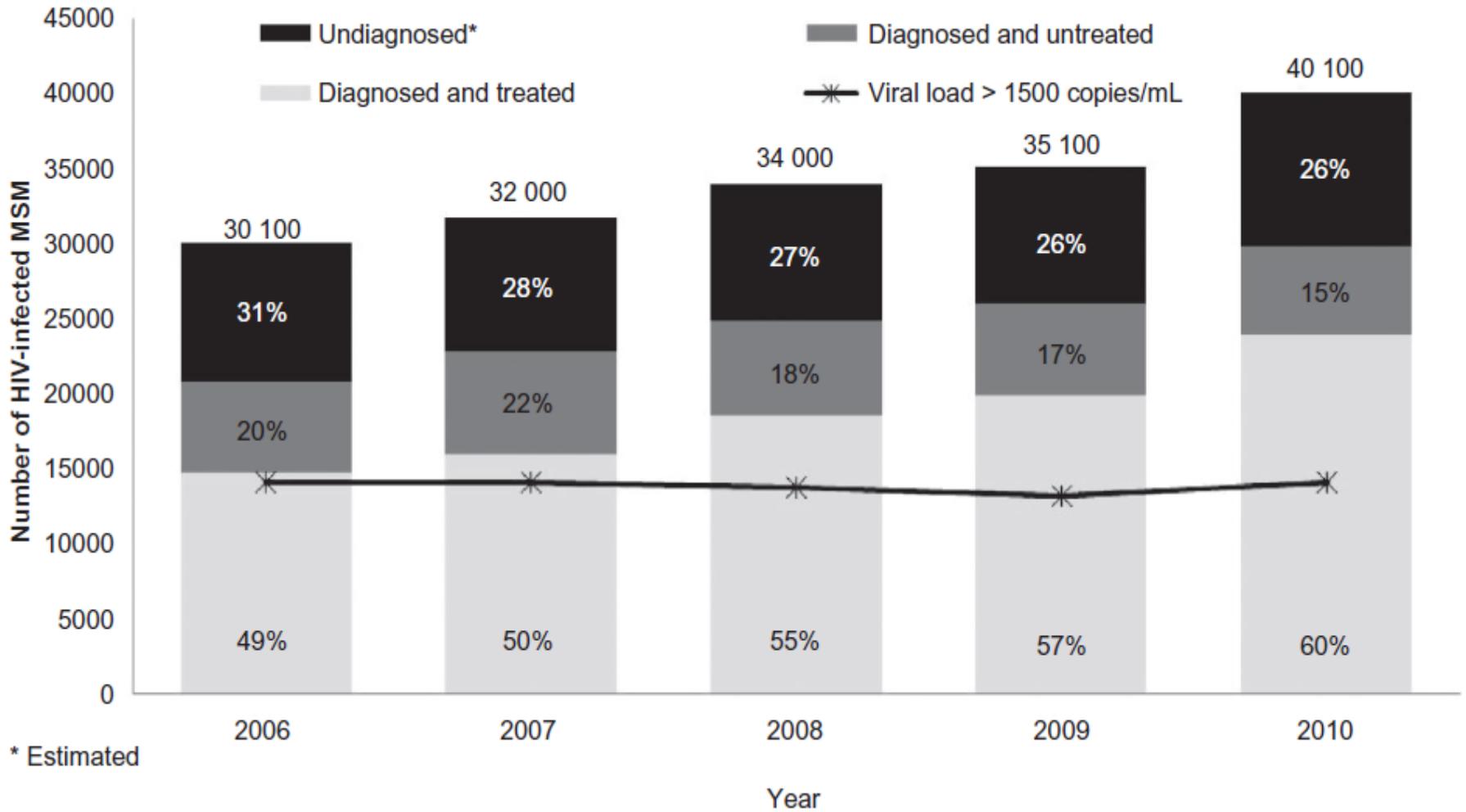
New HIV diagnoses in the UK by exposure category: 2003 - 2012



Treatment cascade of adults living with HIV: United Kingdom, 2011



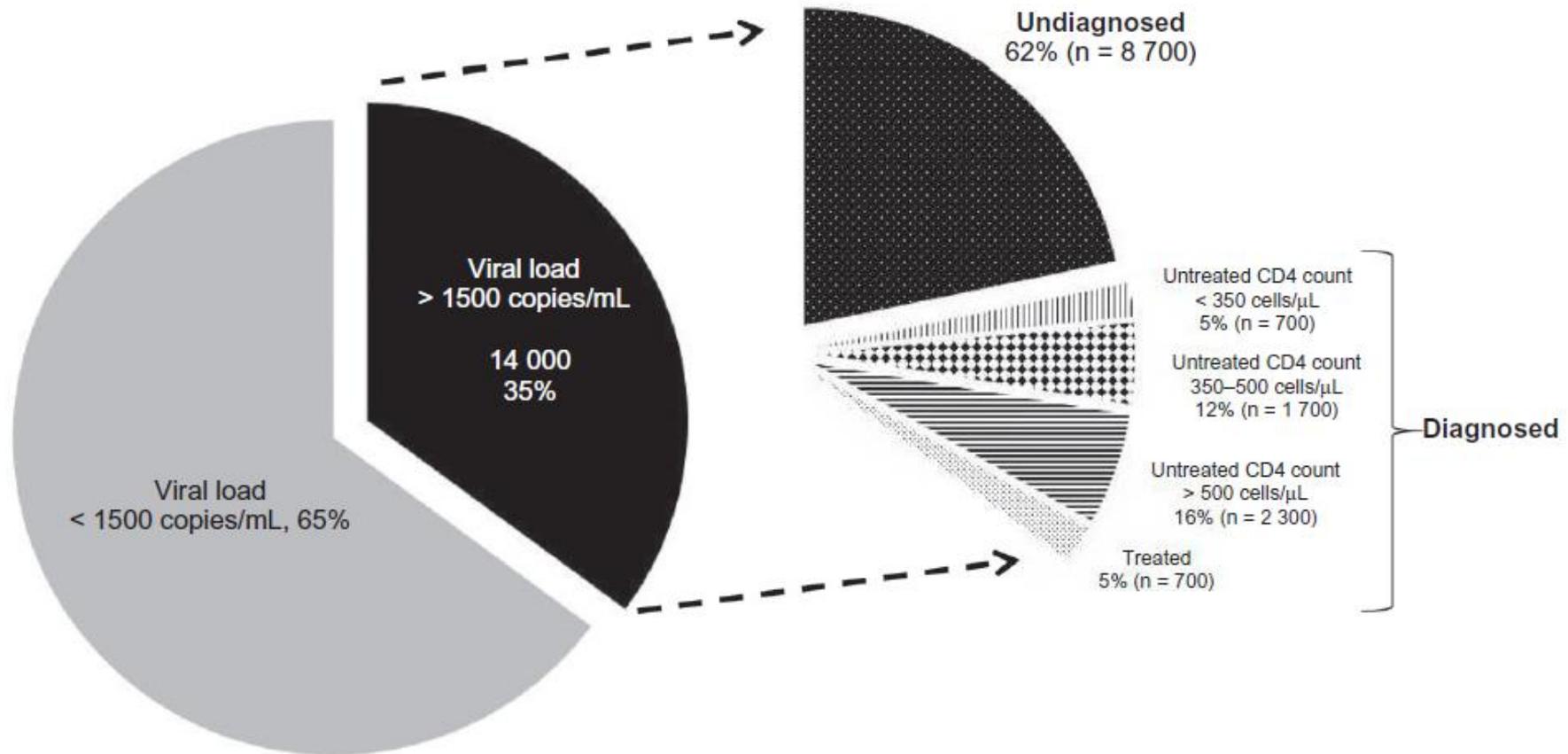
Number of HIV-infected gay men with a viral load >1500 copies/mL in the UK, 2006-2010.



HIV treatment as prevention among men who have sex with men in the UK: is transmission controlled by universal access to HIV treatment and care?

AE Brown*, ON Gill, VC Delpech, Article first published online: 28 July 2013, HIV Medicine, Volume 14, Issue 9, pages 563–570,

Distribution of viral load among gay men living with HIV in the UK in 2010



HIV treatment as prevention among men who have sex with men in the UK: is transmission controlled by universal access to HIV treatment and care?

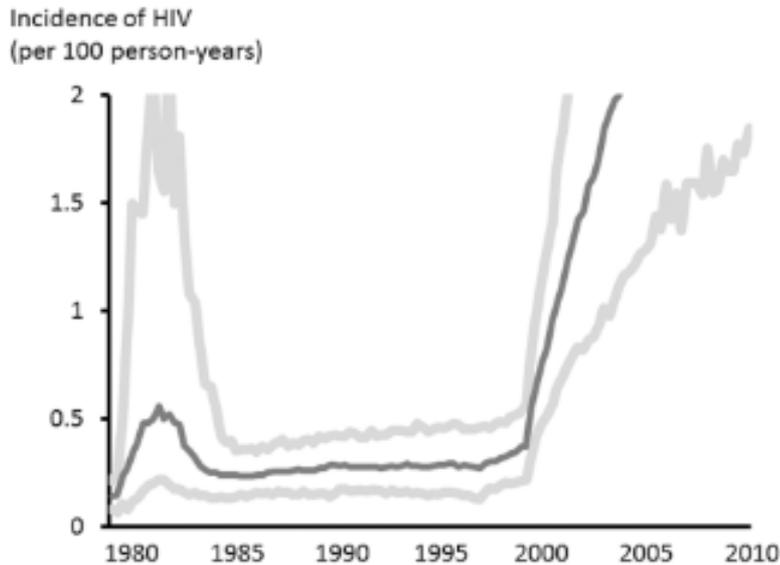
AE Brown*, ON Gill, VC Delpech, Article first published online: 28 July 2013, HIV Medicine, Volume 14, Issue 9, pages 563–570, October 2013

Reconstruction of HIV incidence from 2000

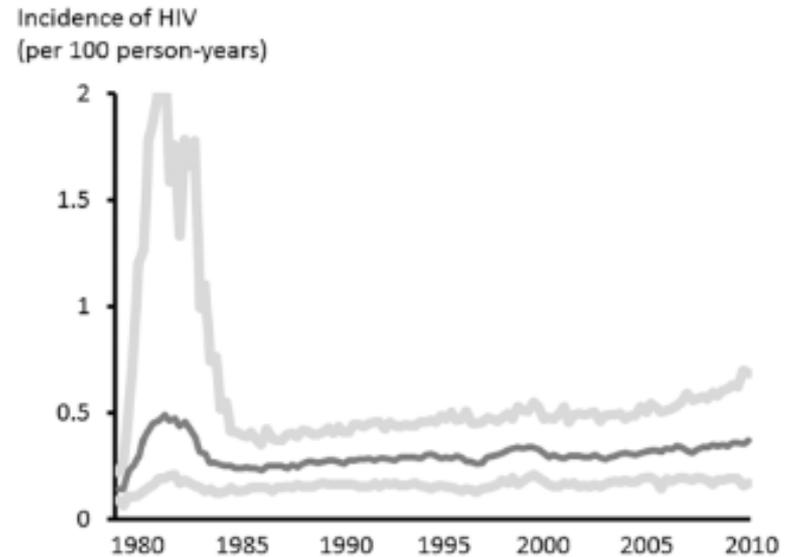
B: All condom use ceased

C: ART provided at diagnosis

B



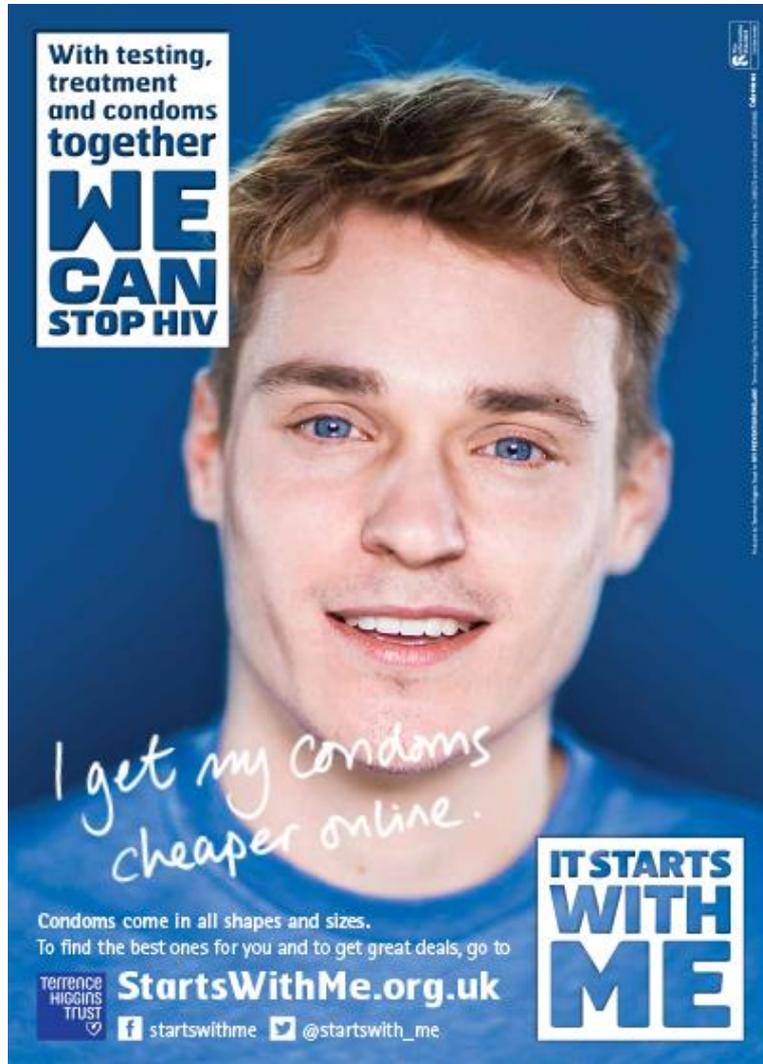
C



Phillips AN, Cambiano V, Nakagawa F, Brown AE, et al. (2013) Increased HIV Incidence in Men Who Have Sex with Men Despite High Levels of ART-Induced Viral Suppression: Analysis of an Extensively Documented Epidemic. PLoS ONE 8(2): e55312. doi:10.1371/journal.pone.0055312

<http://www.plosone.org/article/info:doi/10.1371/journal.pone.0055312>

Condom promotion works!



With testing, treatment and condoms together
WE CAN STOP HIV

I get my condoms cheaper online.

Condoms come in all shapes and sizes.
To find the best ones for you and to get great deals, go to

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IT STARTS WITH ME

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With testing, treatment and condoms together
WE CAN STOP HIV

Sex got better when I found the right condom.

Condoms come in all shapes and sizes.
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Acknowledgments

- Reducing onward transmission: Viral suppression among key population groups living with HIV in the United Kingdom. 19th Annual Conference of the British HIV Association (BHIVA) April 2013
 Valerie Delpech, Alison Brown, Stephano Conti, Venkata Polavarapu, Zing Yin
<http://www.bhiva.org/documents/Conferences/2013Manchester/Presentations/130418/ValerieDelpech.pdf>
- HIV treatment as prevention among men who have sex with men in the UK: is transmission controlled by universal access to HIV treatment and care?
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<http://onlinelibrary.wiley.com/doi/10.1111/hiv.12066/abstract>
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