

CONTROLLING THE HIV EPIDEMIC WITH
ANTIRETROVIRALS



From Consensus
to Implementation

22-24 September 2013
Queen Elizabeth II Conference Centre, London

Optimizing our Response: Addressing gaps in the treatment cascade



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Treatment as Prevention and Pre-Exposure Prophylaxis

From Diagnosis to Undetectable: The Reality of HIV/AIDS Care in the Inner City.

del Rio C, Green S, Abrams C, Lennox JL, 8th CROI; 2001 (Abstract #S21)

- **HIV-infected in care and long term treatment**
 - In clinic regularly/ many on ARV's and suppressed
- **HIV-infected in sporadic care**
 - They come and go from care/ some have been on ARV's
- **HIV-infected not in care**
 - Not ready for care or do not want care
- **HIV-infected unaware of status**



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“Piot’s Pyramid” of HIV / AIDS in the US

5 Million engage in behaviors that put them at high risk
(3.5% of US population)¹

650,000 - 900,000 living with HIV²

480,000 - 540,000 know they are infected³

292,000 - 372,000 in care³

175,000 - 223,000 on HAART³

70,000 - 90,000
suppressed⁴

~ 10% of those living with HIV
virologically suppressed

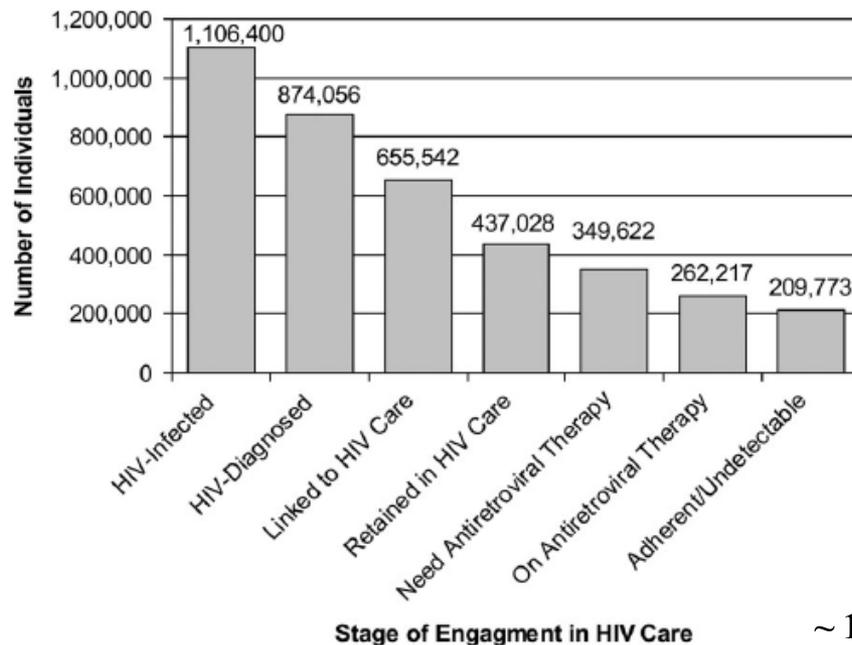
1. JAIDS 1999; 21:148-156
2. JAMA 1996; 276; 126-31
3. NEJM 1998; 339:1897-904
4. Ann Intern Med 1999; 131: 81-87



The Spectrum of Engagement in HIV Care and its Relevance to Test-and-Treat Strategies for Prevention of HIV Infection

Edward M. Gardner, Margaret P. McLees, John F. Steiner, Carlos del Rio, and William J. Burman

Clinical Infectious Diseases. 2011;52:793-800



~ 19% of HIV-infected are virologically suppressed



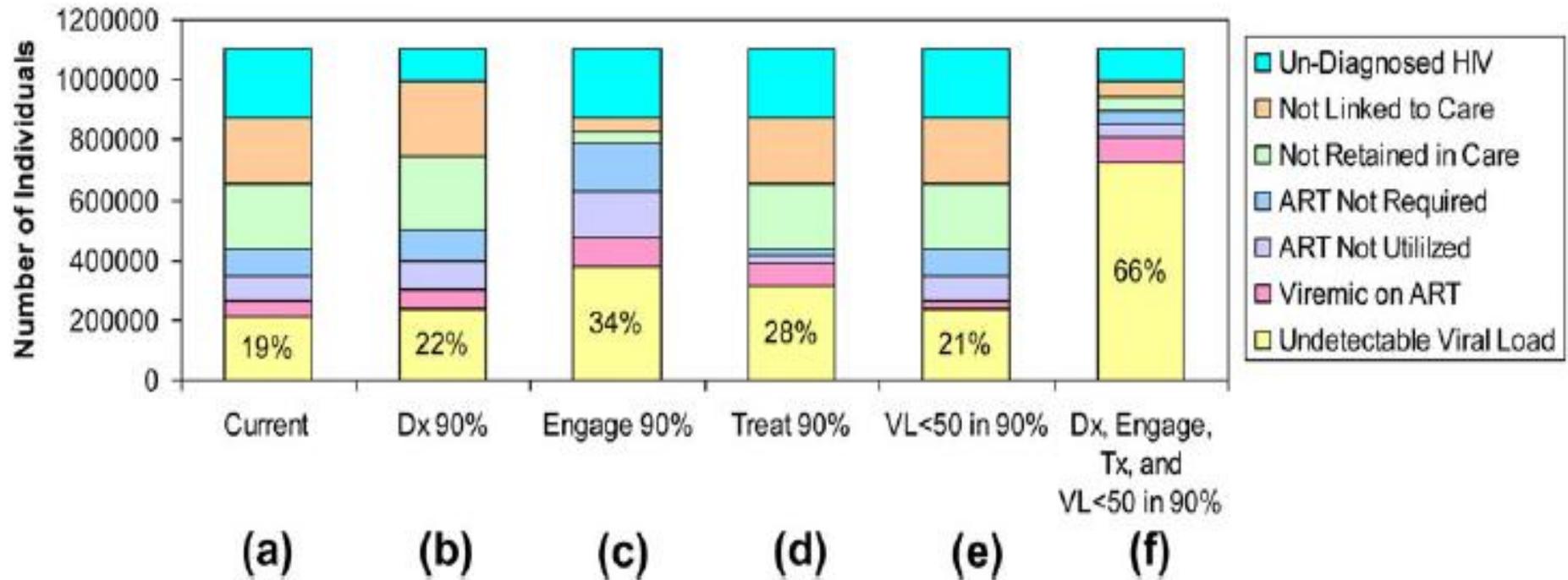
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The Spectrum of Engagement in HIV Care and its Relevance to Test-and-Treat Strategies for Prevention of HIV Infection

Edward M. Gardner,^{1,3} Margaret P. McLees,^{1,3} John F. Steiner,² Carlos del Rio,^{4,5} and William J. Burman^{1,3}

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