

Inferences about HIV Care from New York State Surveillance Data: Entry, Continuity, Success

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SPNS Learning Session

Measures of Care: National HIV/AIDS Strategy (NHAS) & the “Cascade”

- **NHAS** issued by White House Office of National AIDS Policy in 2010
 - Sets out national goals and strategies to achieve them.
 - CDC has standardized the calculation of the NHAS measures.
- **The Spectrum of Engagement in HIV Care** (Eldred L, Malitz F, 2007)



Unaware of
HIV infection

Aware of
HIV infection
(not in care)

Receiving some
medical care but
not HIV care

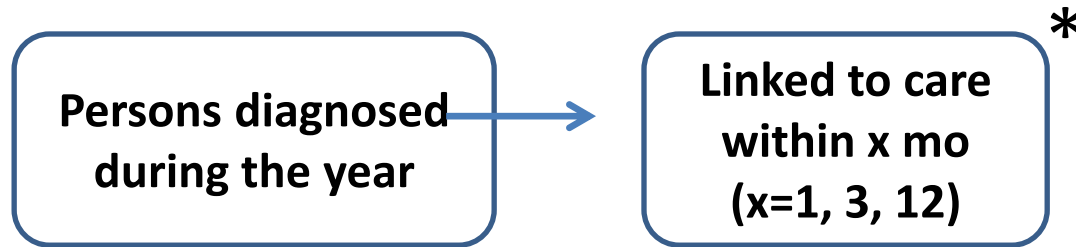
Entered HIV
care but lost to
follow-up

Cyclical or
intermittent user
of HIV care

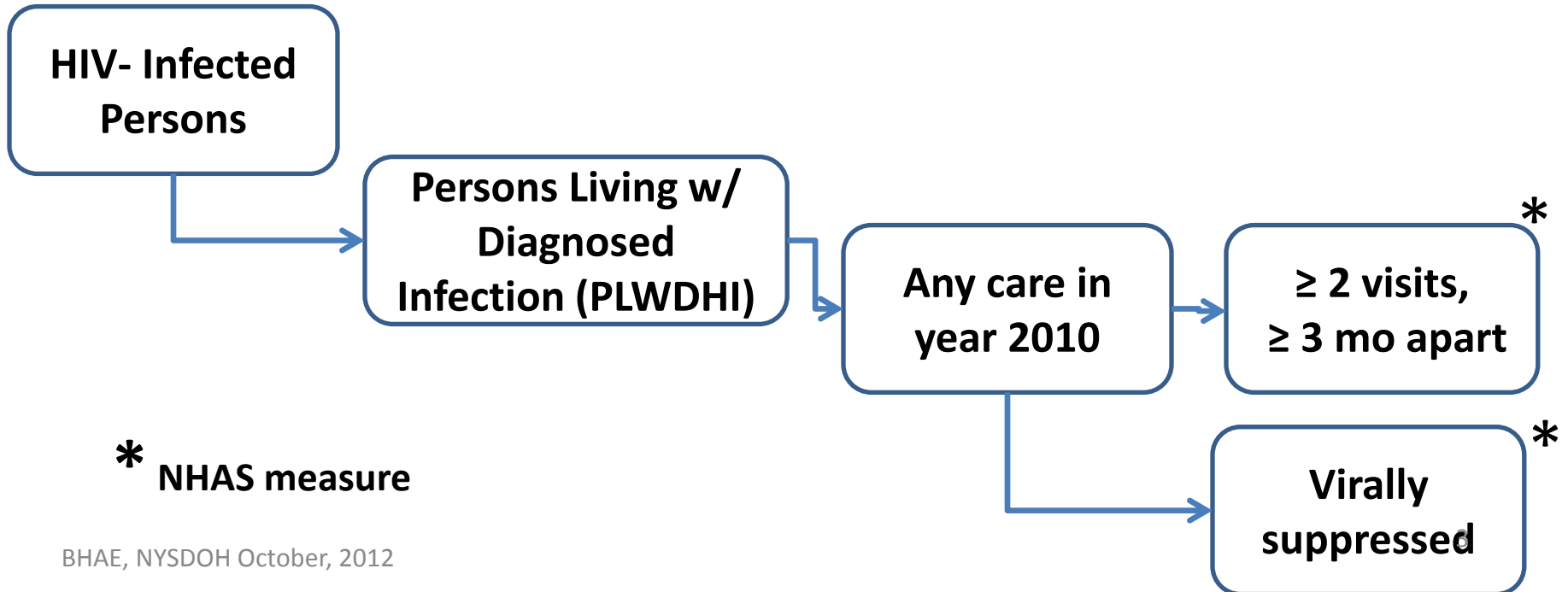
Fully engaged
in HIV care

- NYSDOH adapted CDC’s methods for calculating NHAS measures using NYS HIV surveillance data to create a NYS version of the cascade.

Linkage to Care – Newly Diagnosed

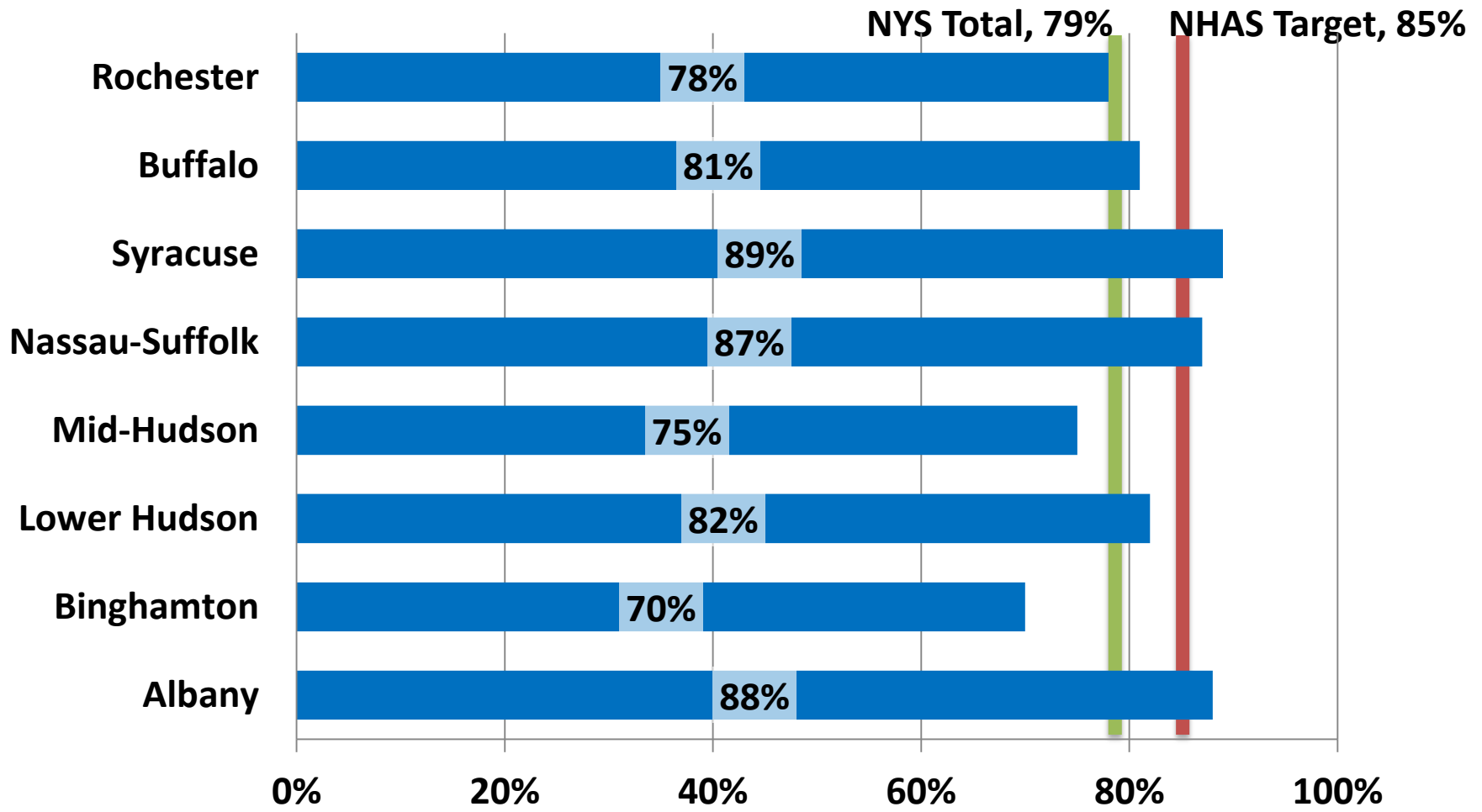


Retention and Success of Care - Full Population



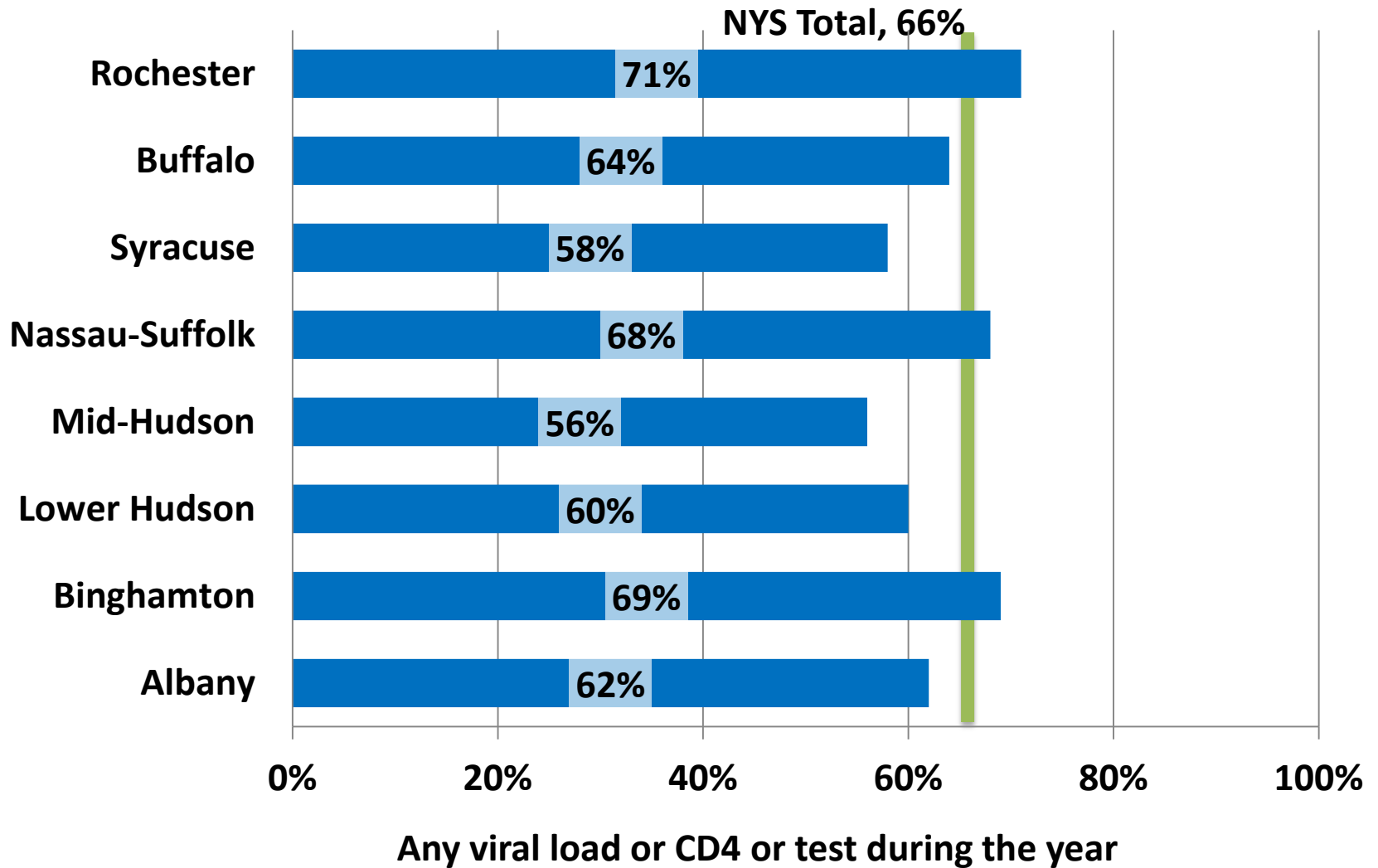
Linkage to Care

Persons Newly Diagnosed in 2010

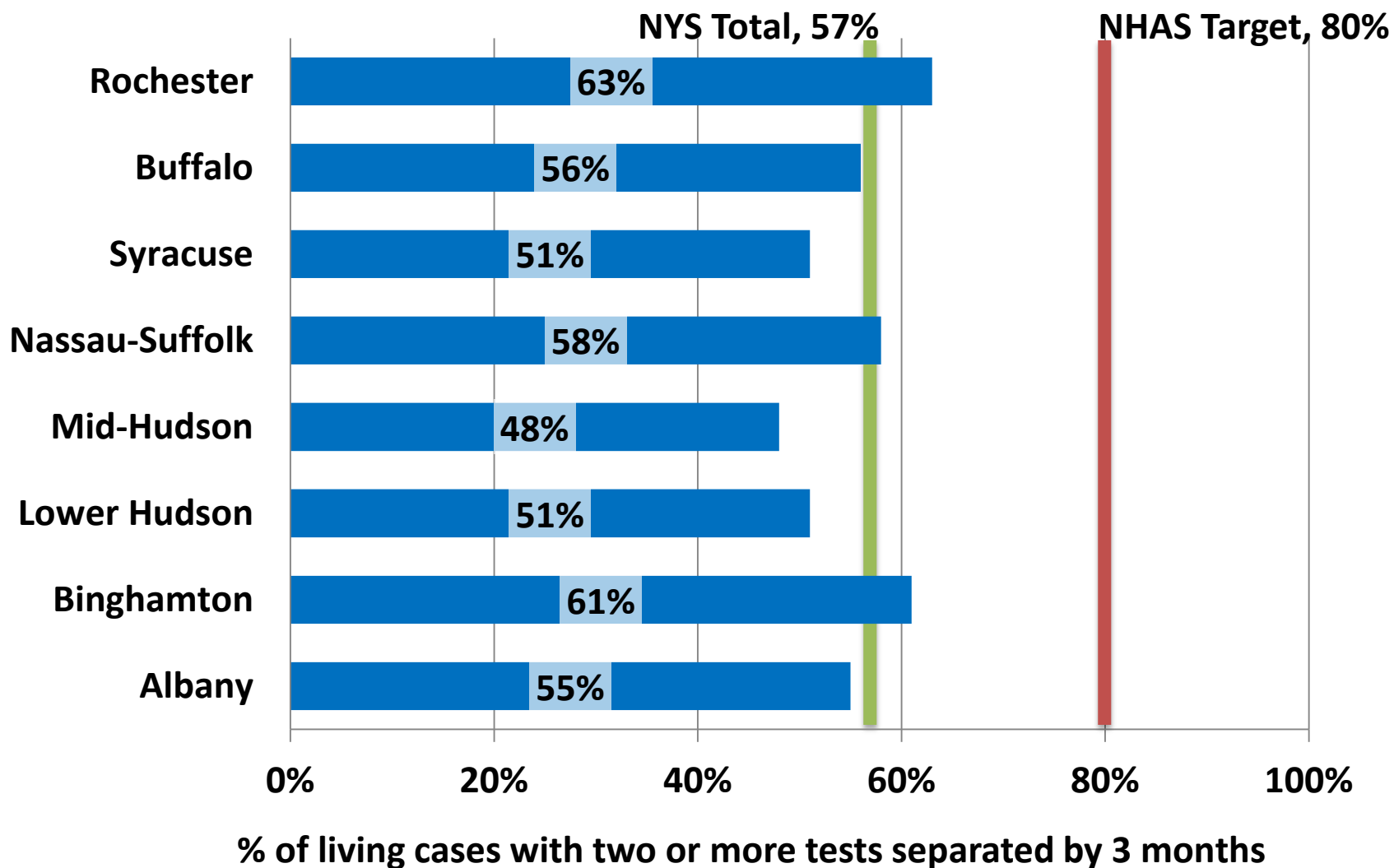


% of newly diagnosed with viral load or CD4 test within 3 months of diagnosis

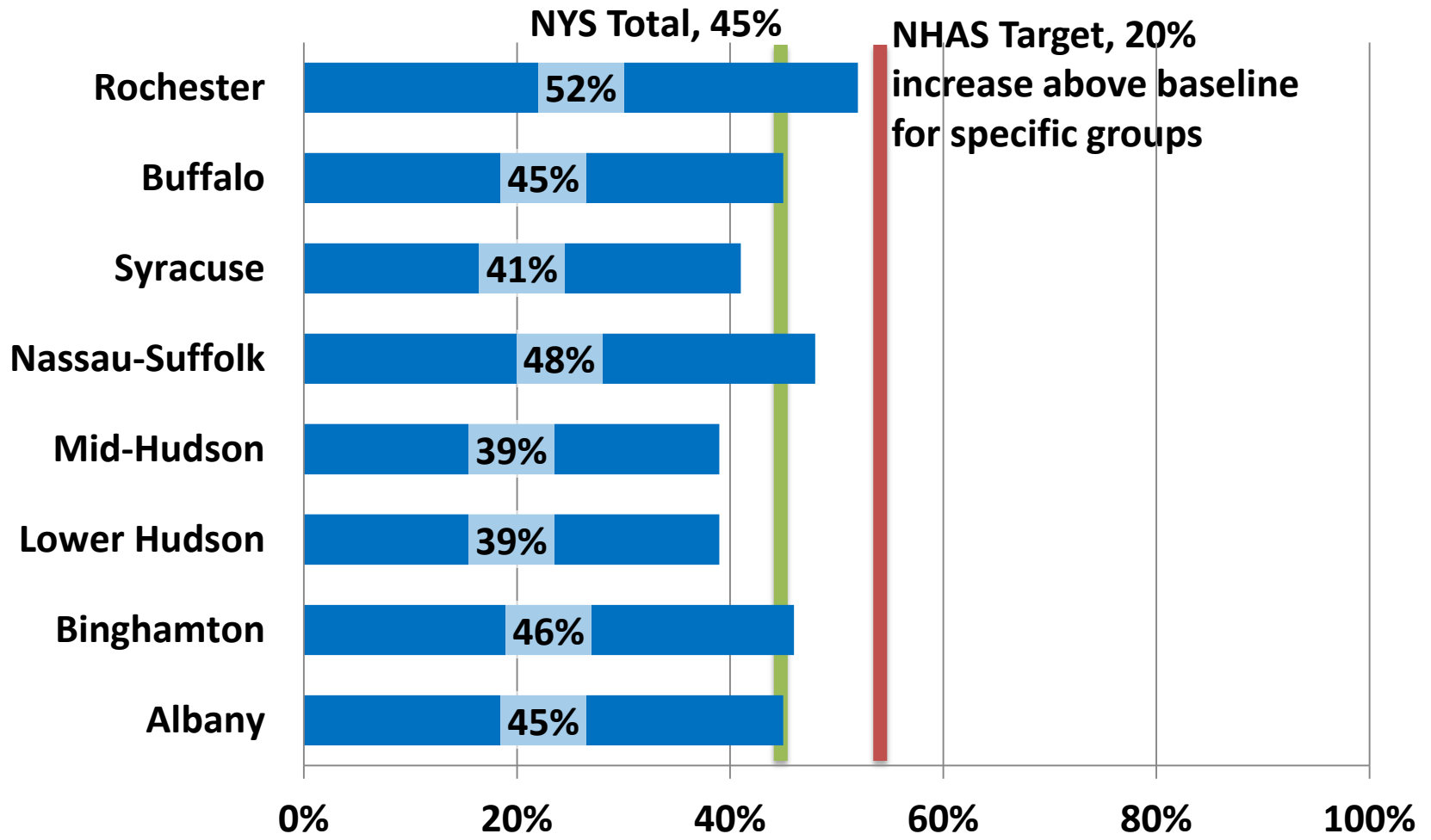
Any Care During 2010



Continuous Care in 2010



Viral Suppression Among All Persons Living with Diagnosed HIV Infection in 2010



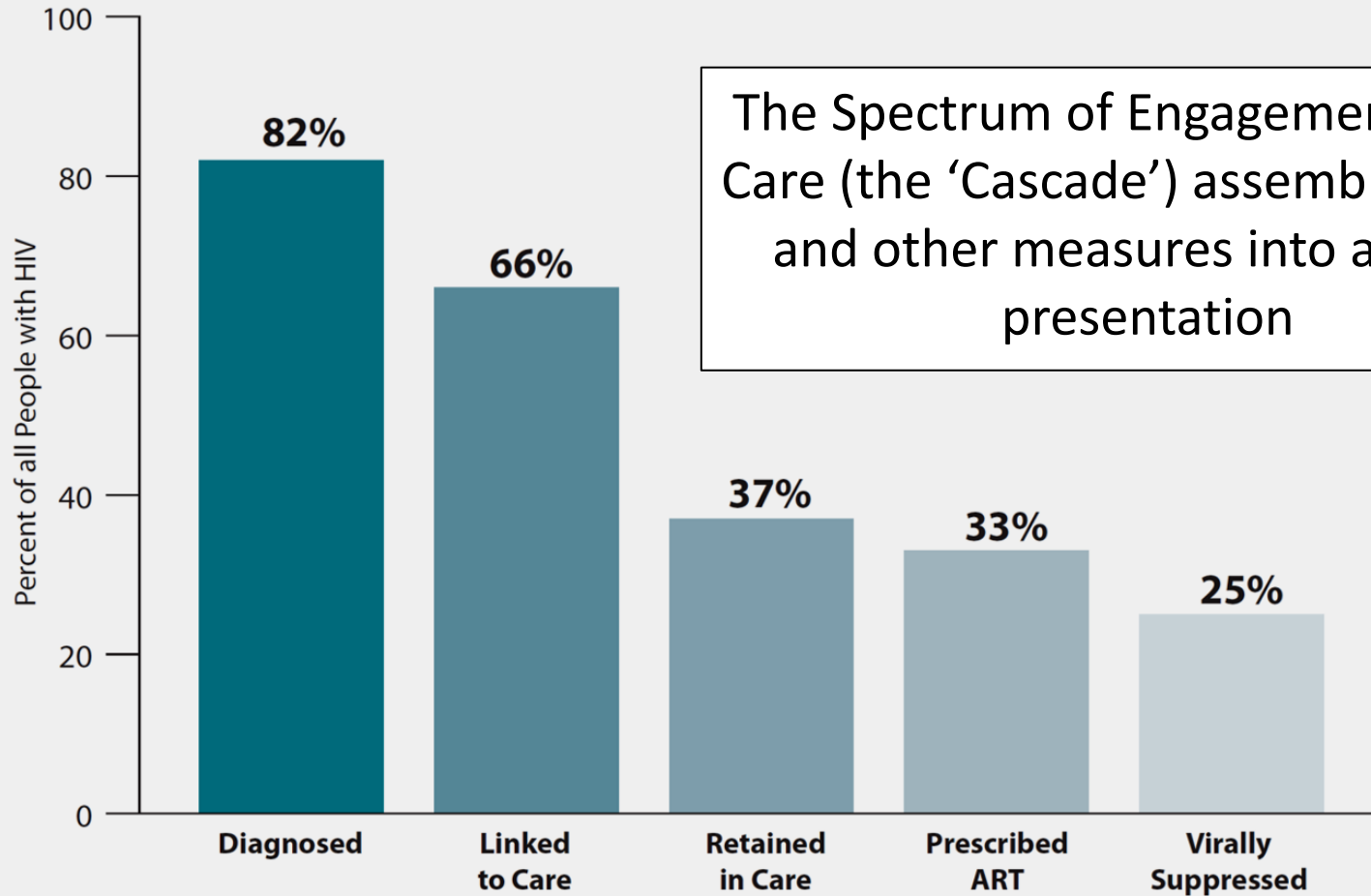
NHAS Target, 20%
 increase above baseline
 for specific groups

NYS Total, 45%

% of living cases with viral load non-detectable or ≤ 200 copies/ml, test closest to mid-year

CDC's National 'Cascade' (July, 2012)

OVERALL: Of the 1.1 million Americans living with HIV, only 25 percent are virally suppressed.



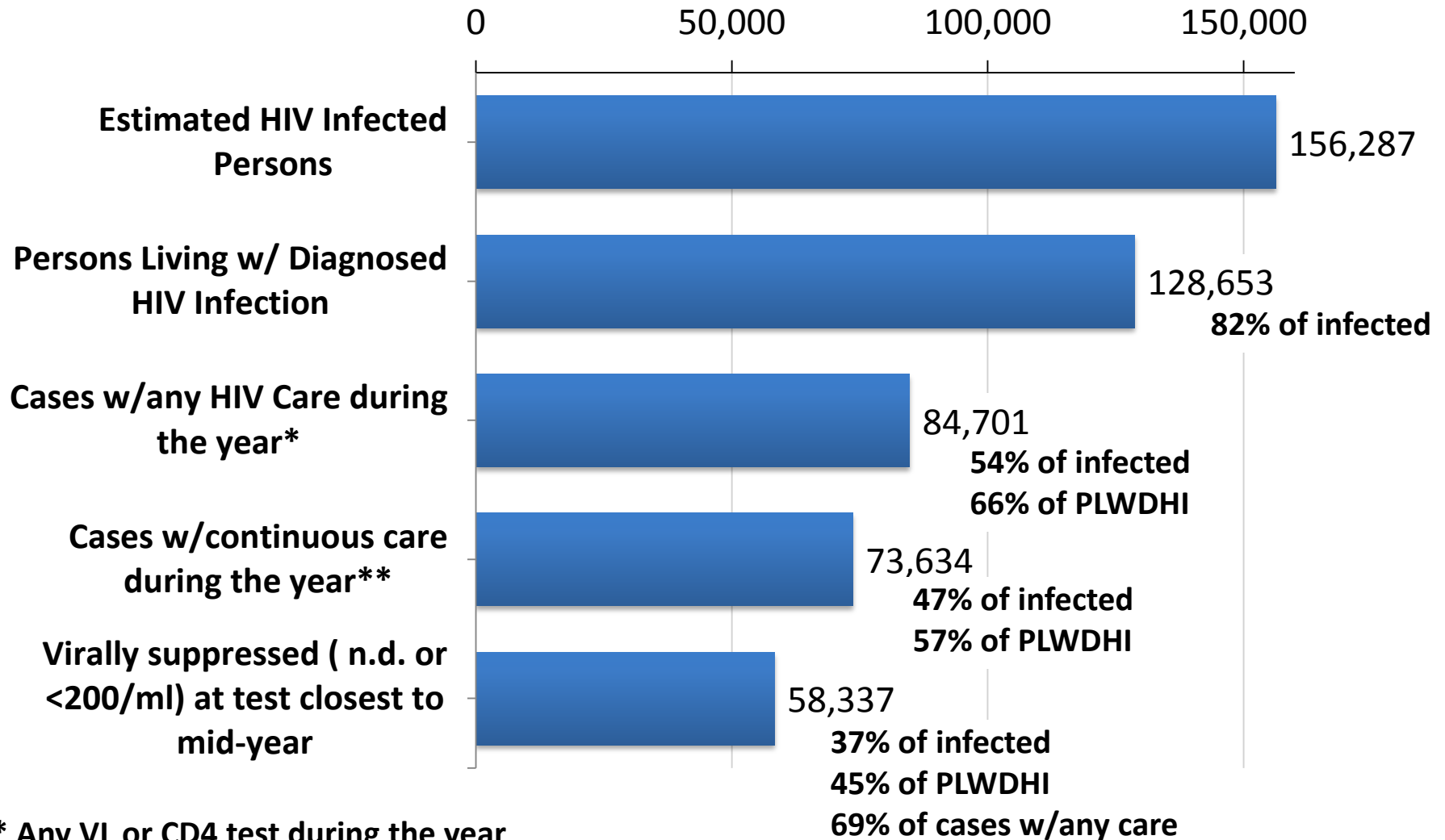
The Spectrum of Engagement in HIV Care (the 'Cascade') assembles NHAS and other measures into a single presentation



U.S. Department of Health and Human Services

Centers for Disease Control and Prevention

Cascade of HIV Care New York State, 2010

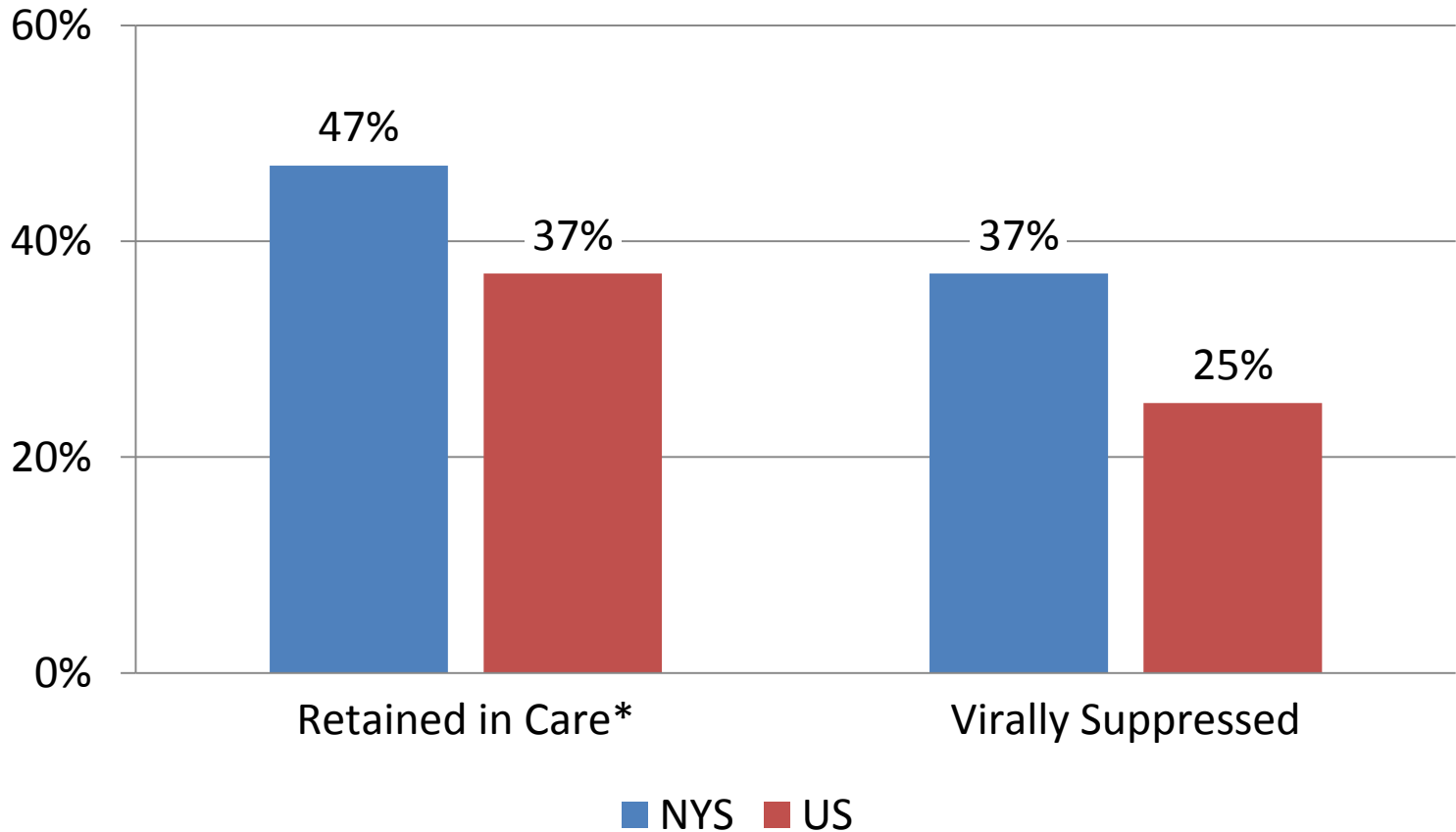


* Any VL or CD4 test during the year

** At least 2 tests, at least 3 months apart

Cascade Results Comparison New York State and the US (CDC, July 2012)

Percent of Estimated HIV-Infected Persons



* CDC and NY methods for retention differ.

Conclusion

- **Calculate *variants* of the NHAS measures for SPNS**
 - Newly diagnosed
 - All persons living with diagnosed HIV infection
- **HIV surveillance provides information that is critically important for monitoring how well New York State and the United States are doing in addressing the HIV epidemic.**
- **The analyses we provide using measures like these guide policy and program planning at all levels of geography – state, county and city.**

Thank you.

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