



Department  
of Health

# HIV Epidemiology in New York State

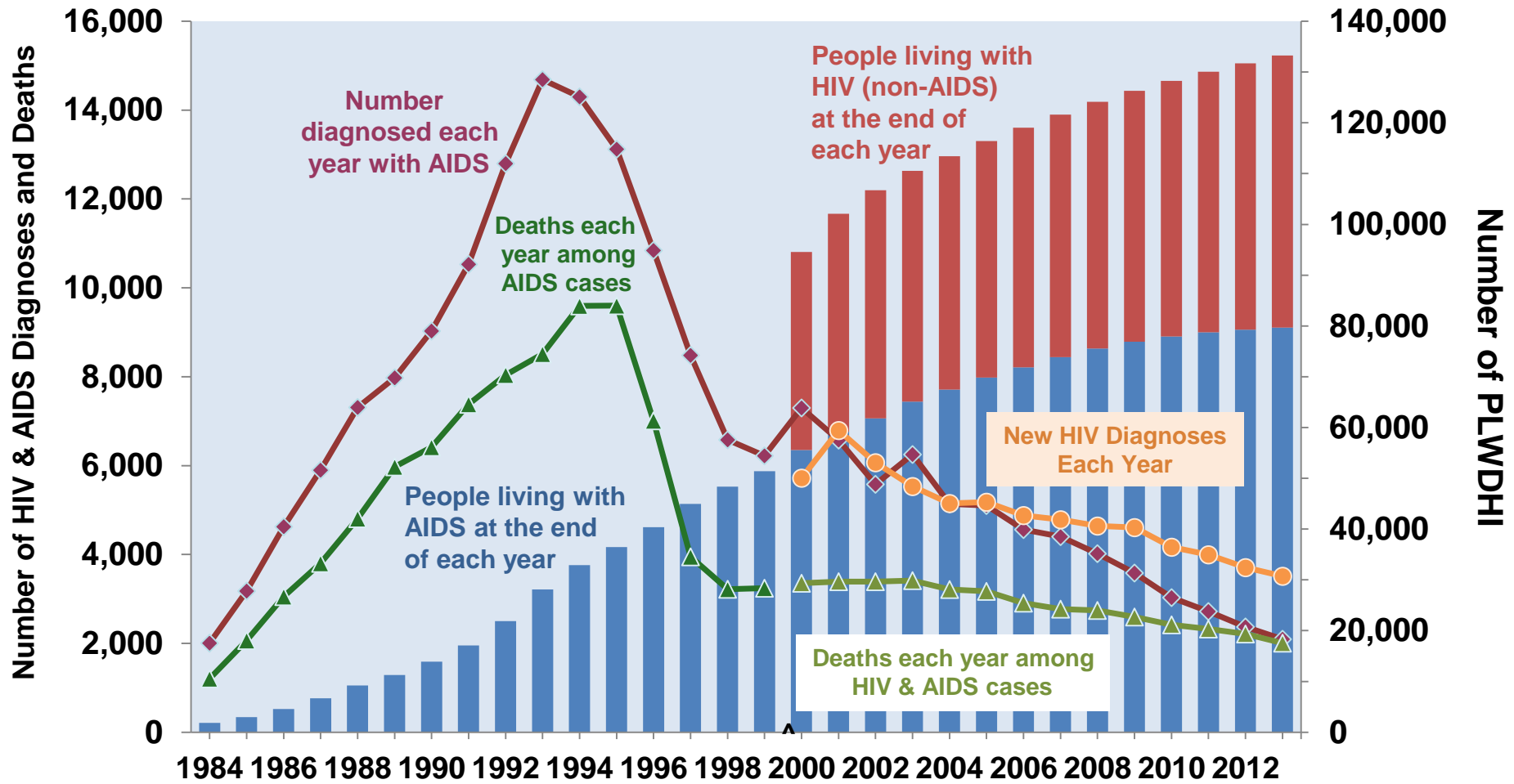
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AIDS Institute, New York State Department of Health

# HIV Surveillance in New York State

- HIV Reporting and Partner Services Law implemented June 1, 2000, required reporting to New York State
  - **Laboratories** conducting HIV-related tests required to report results
  - **Medical providers** required to report new diagnoses of HIV, AIDS, and HIV-related illness and known sex or needle-sharing partners
- Other sources of information
  - Medical record review
  - Public health database matches: vital statistics, Medicaid, cancer registry, ADAP, etc.
  - Feedback from data-to-care activities

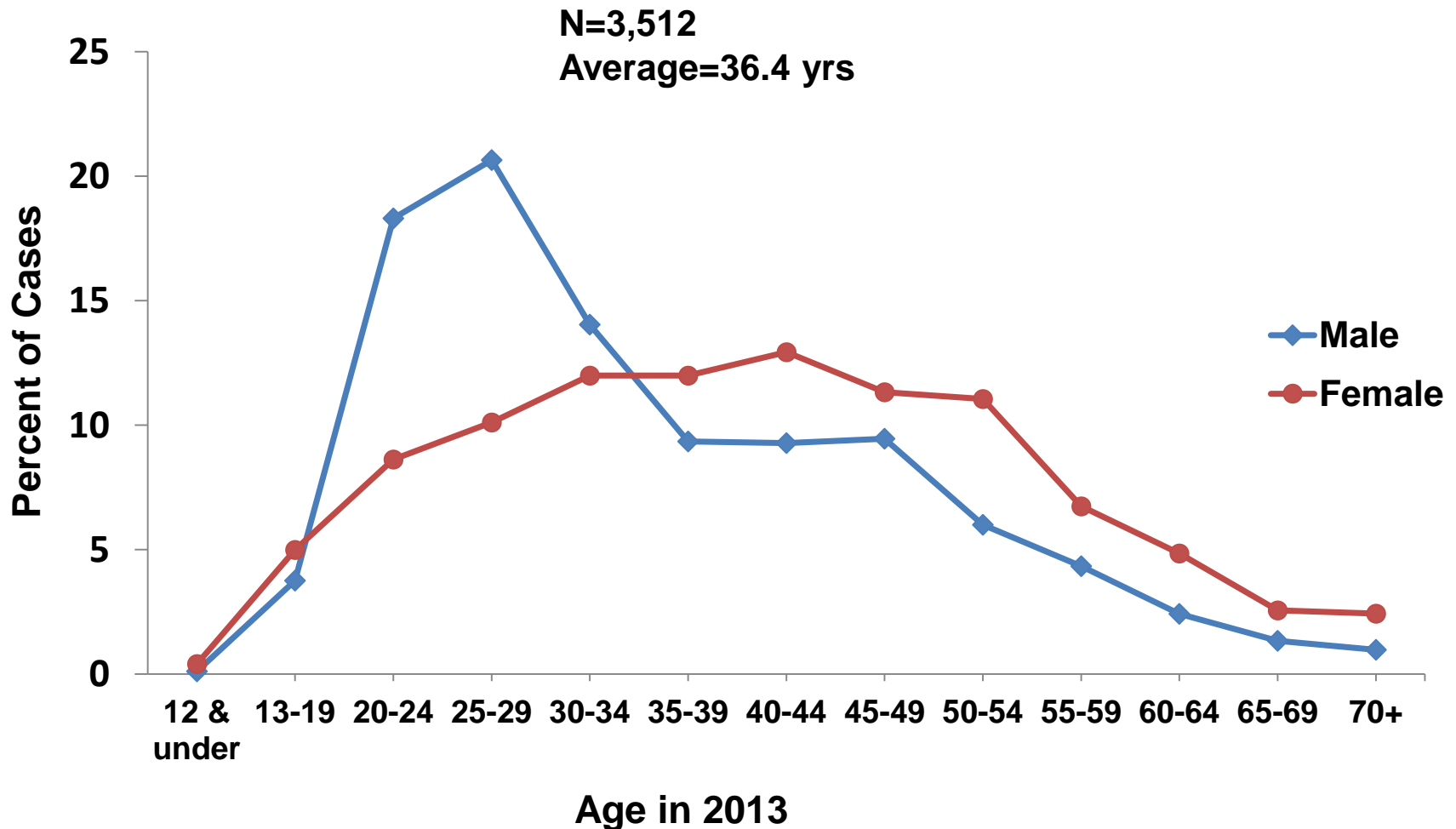
# Trends in HIV and AIDS Cases\* New York State, 1984 – 2013



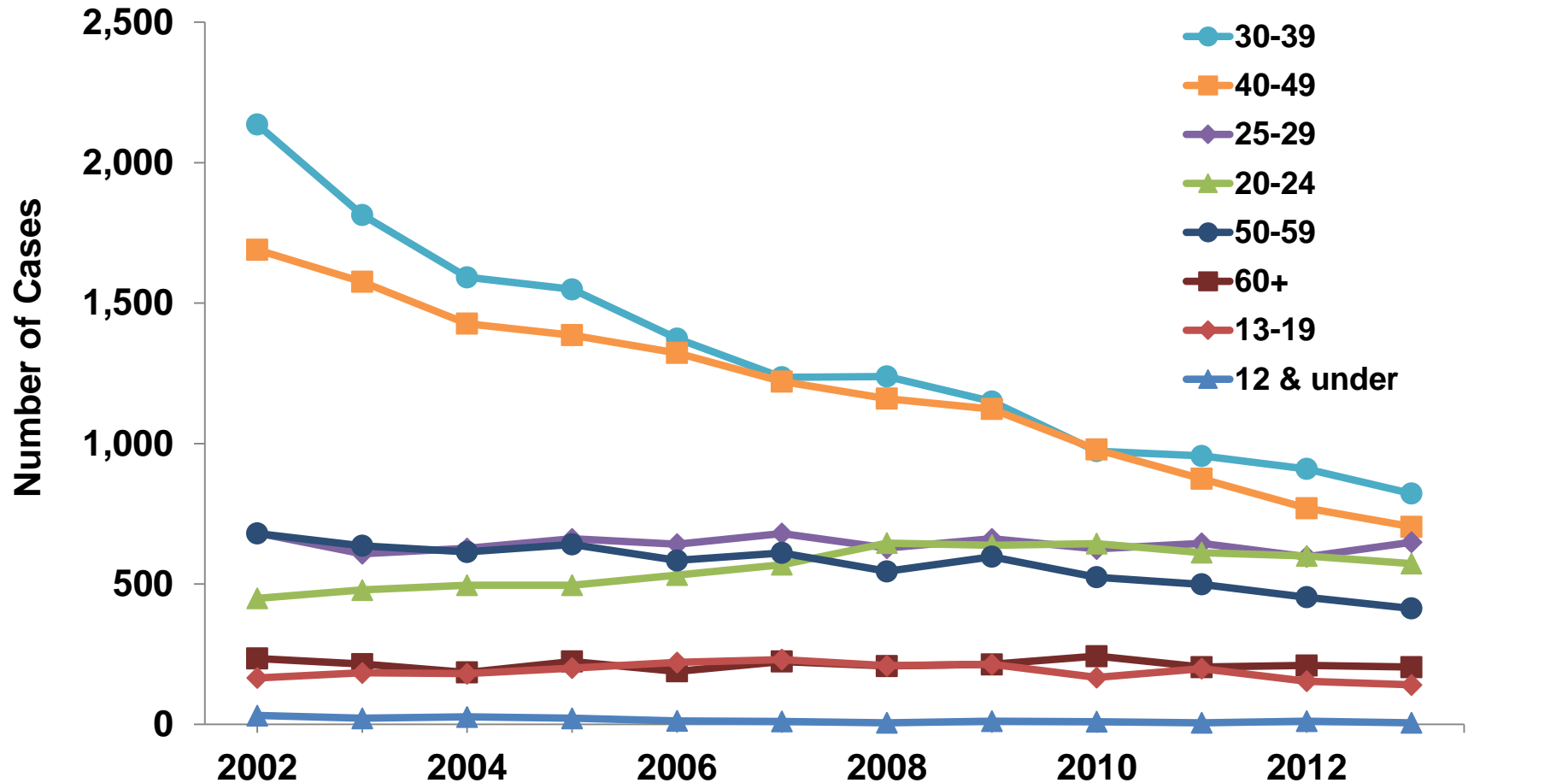
\*Data as of April 2015

^HIV named reporting began in NYS in 2000

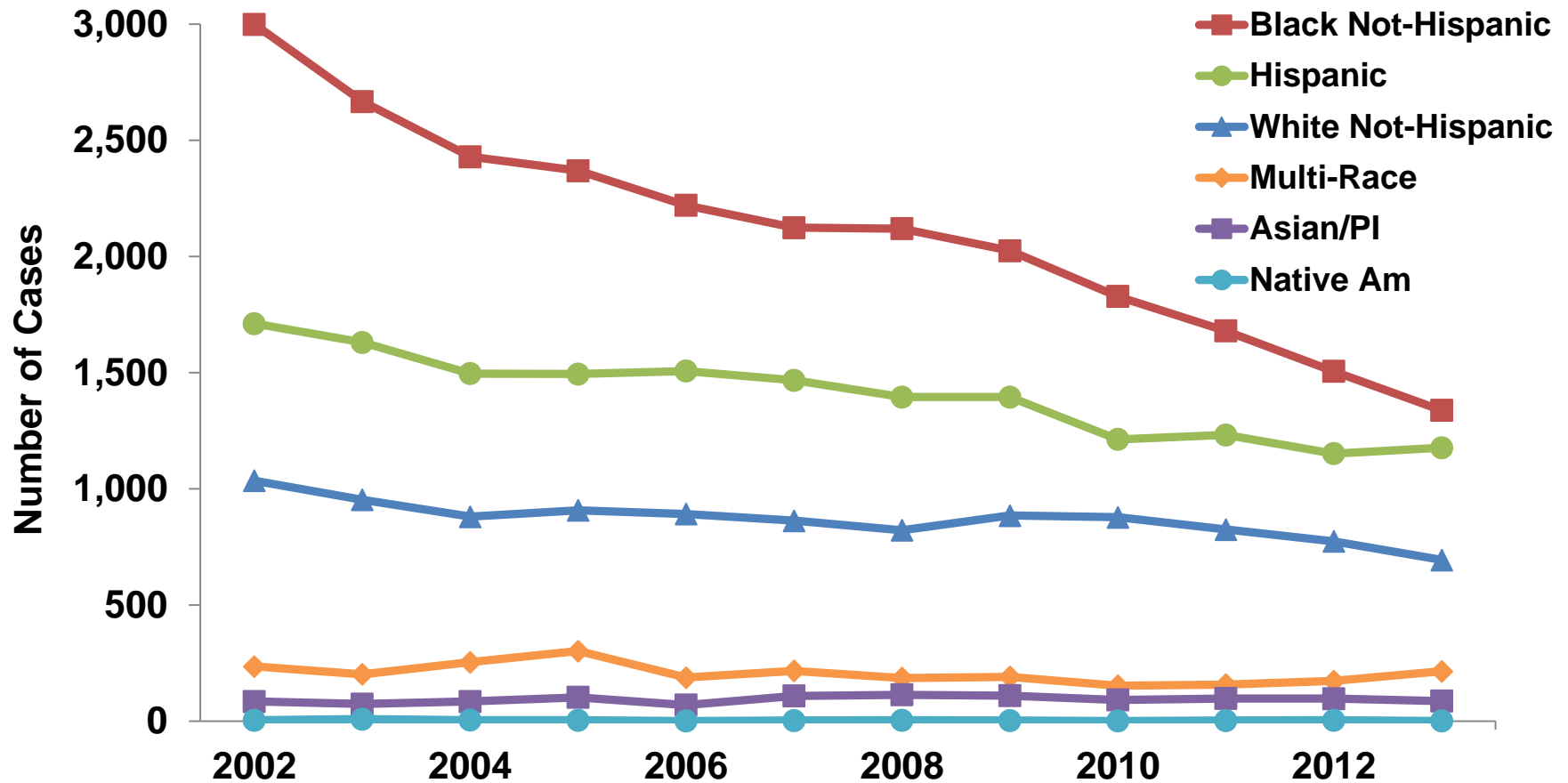
# Age Distribution of Newly Diagnosed HIV\* Cases New York State, 2013\*\*



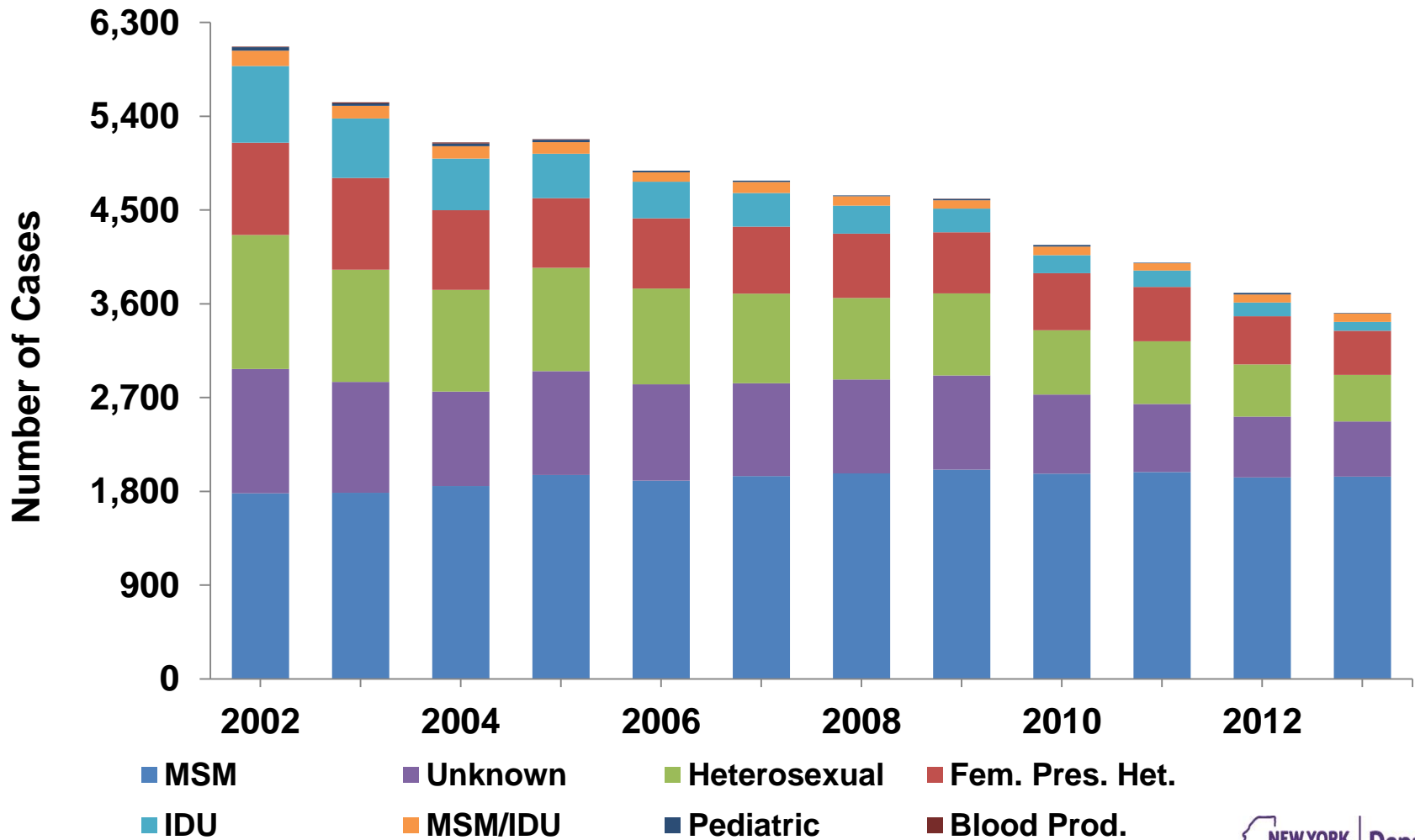
# Newly Diagnosed HIV Cases by Year of Diagnosis and Age, New York State, 2002-2013\*



# Newly Diagnosed HIV Cases by Year of Diagnosis and Race/Ethnicity, New York State, 2002-2013\*



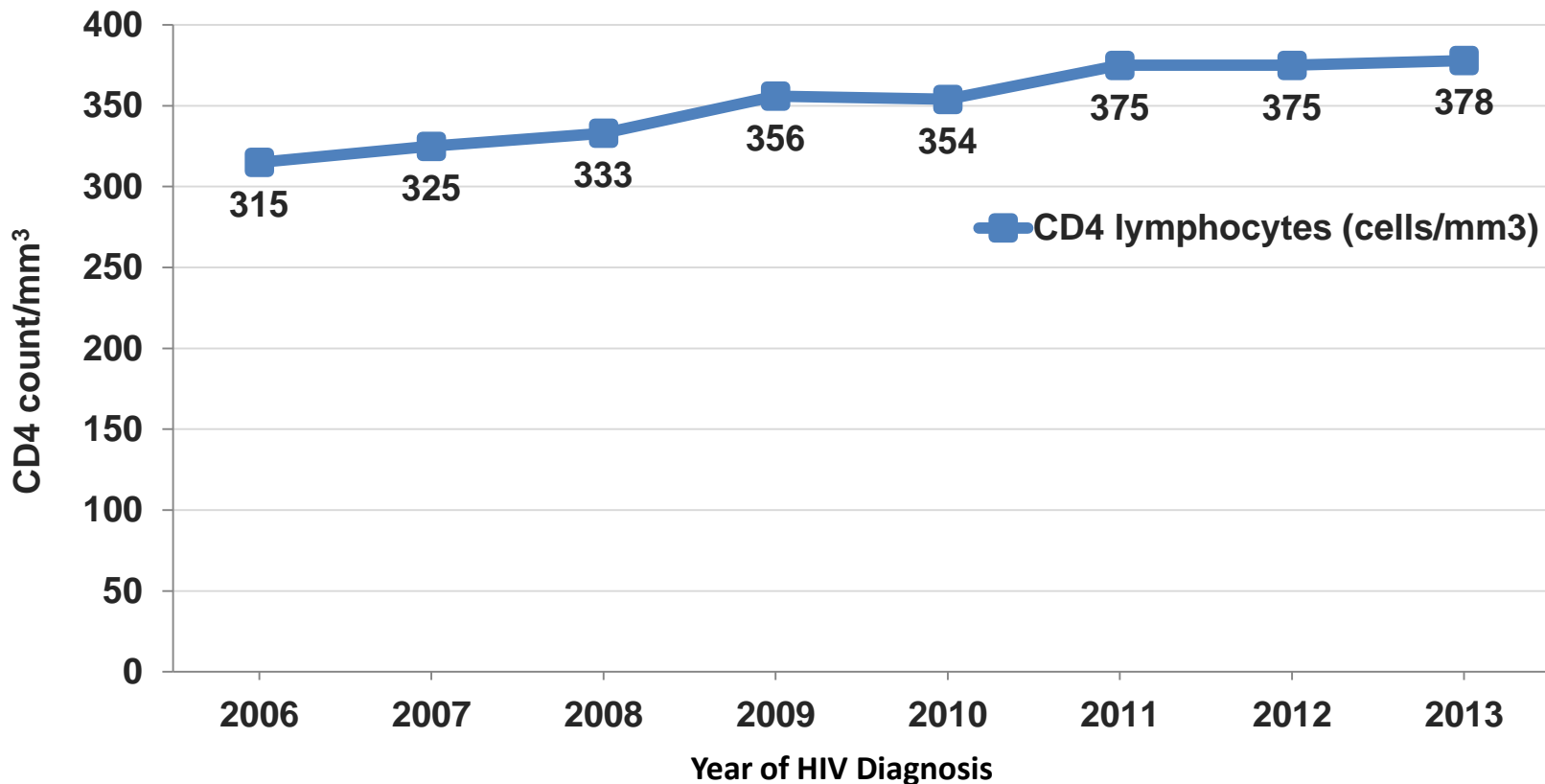
# Newly Diagnosed HIV Cases by Year of Diagnosis and Transmission Risk, New York State, 2002-2013\*





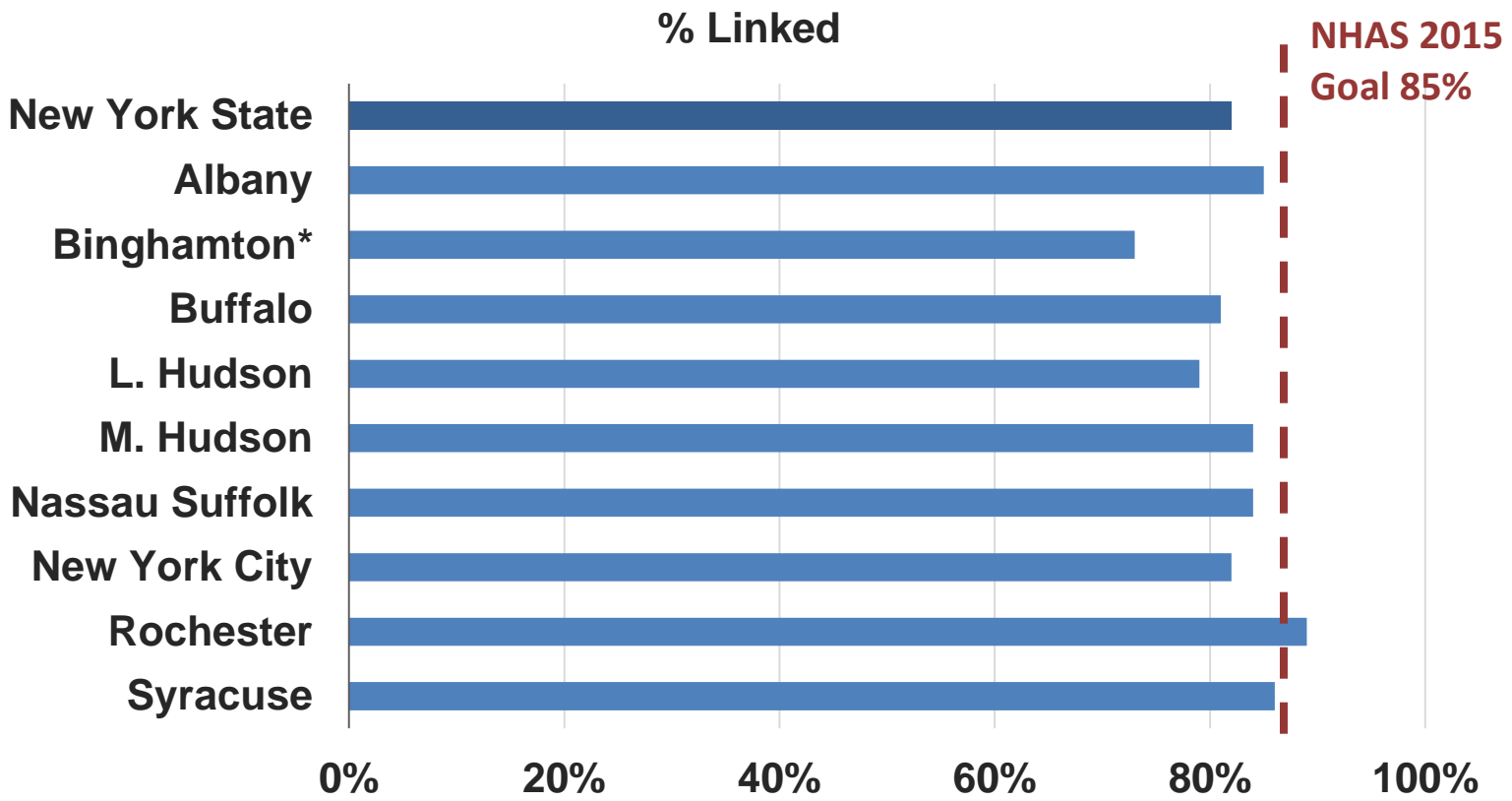


# Median Initial\* CD4 Count Persons Newly Diagnosed with HIV New York State, 2006-2013



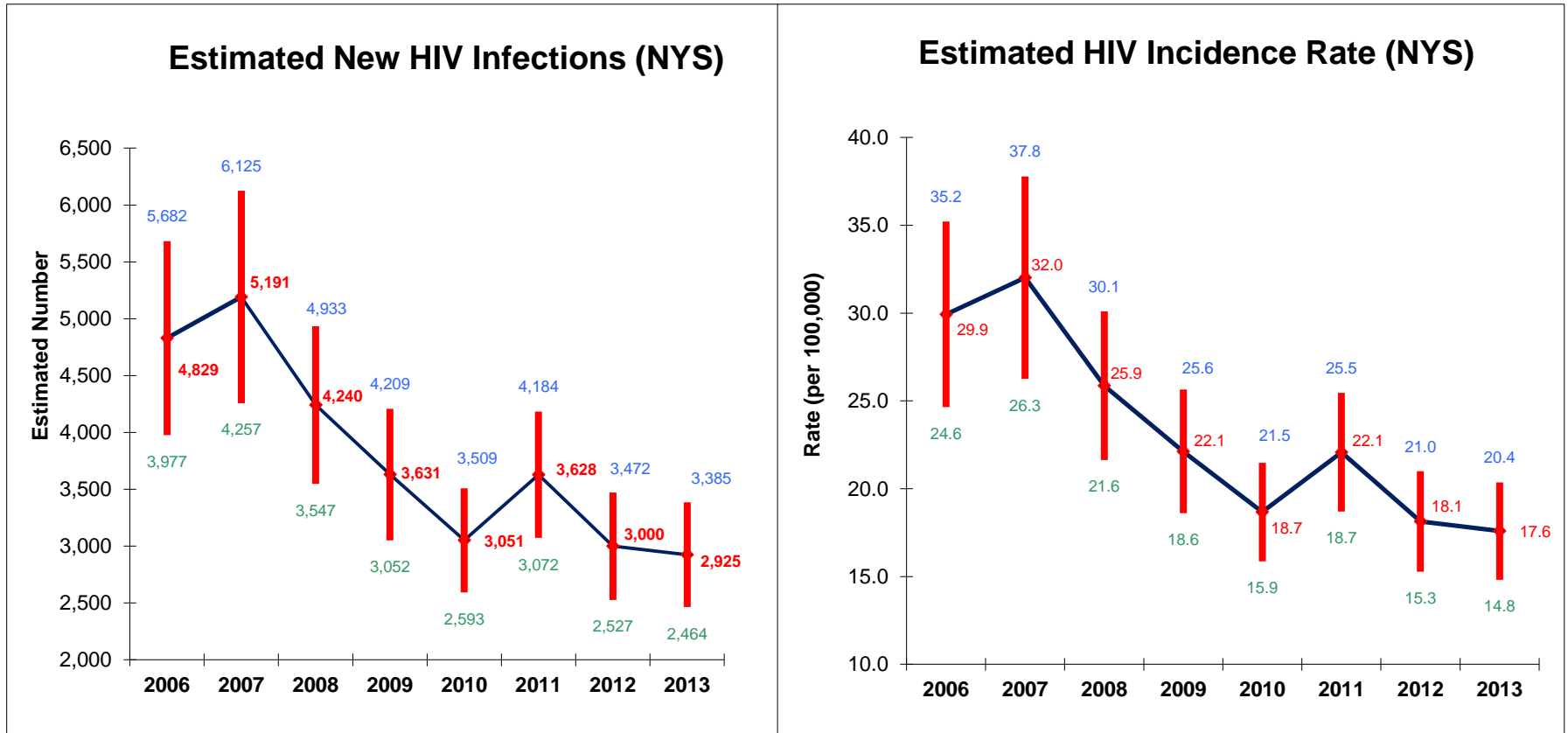
\*Includes only cases with CD4 count within 3 months of diagnosis.  
Cases that developed AIDS with 30 days of HIV diagnosis are included.  
HIV case and laboratory data as of April 2015.

# Linkage to Care within 3 Months of HIV Diagnosis by Region New York State, 2013



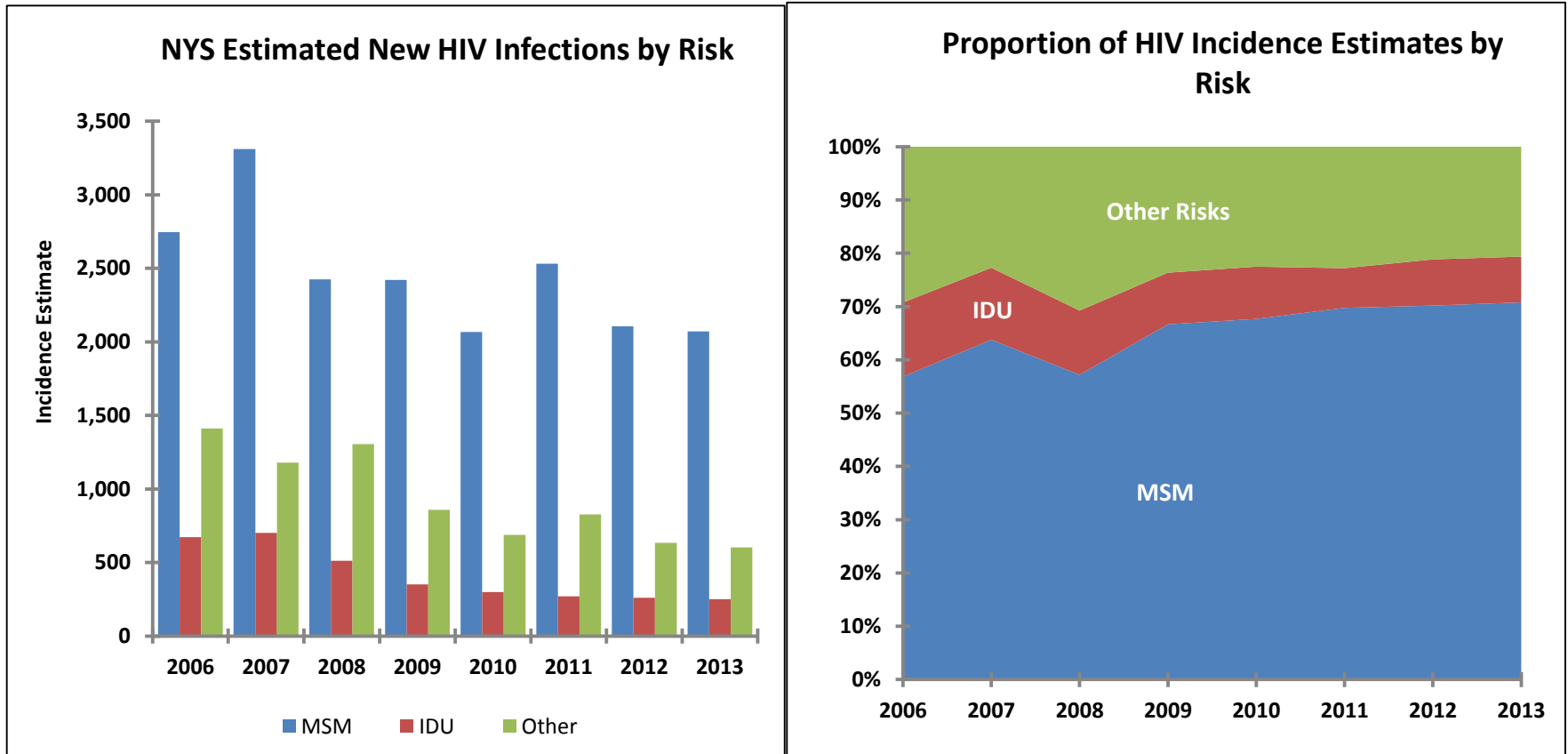
\*Based on less than 20 persons.

# New York State Estimated New HIV Infections: 2006-2013



Produced June 2015 based on January 2015 data

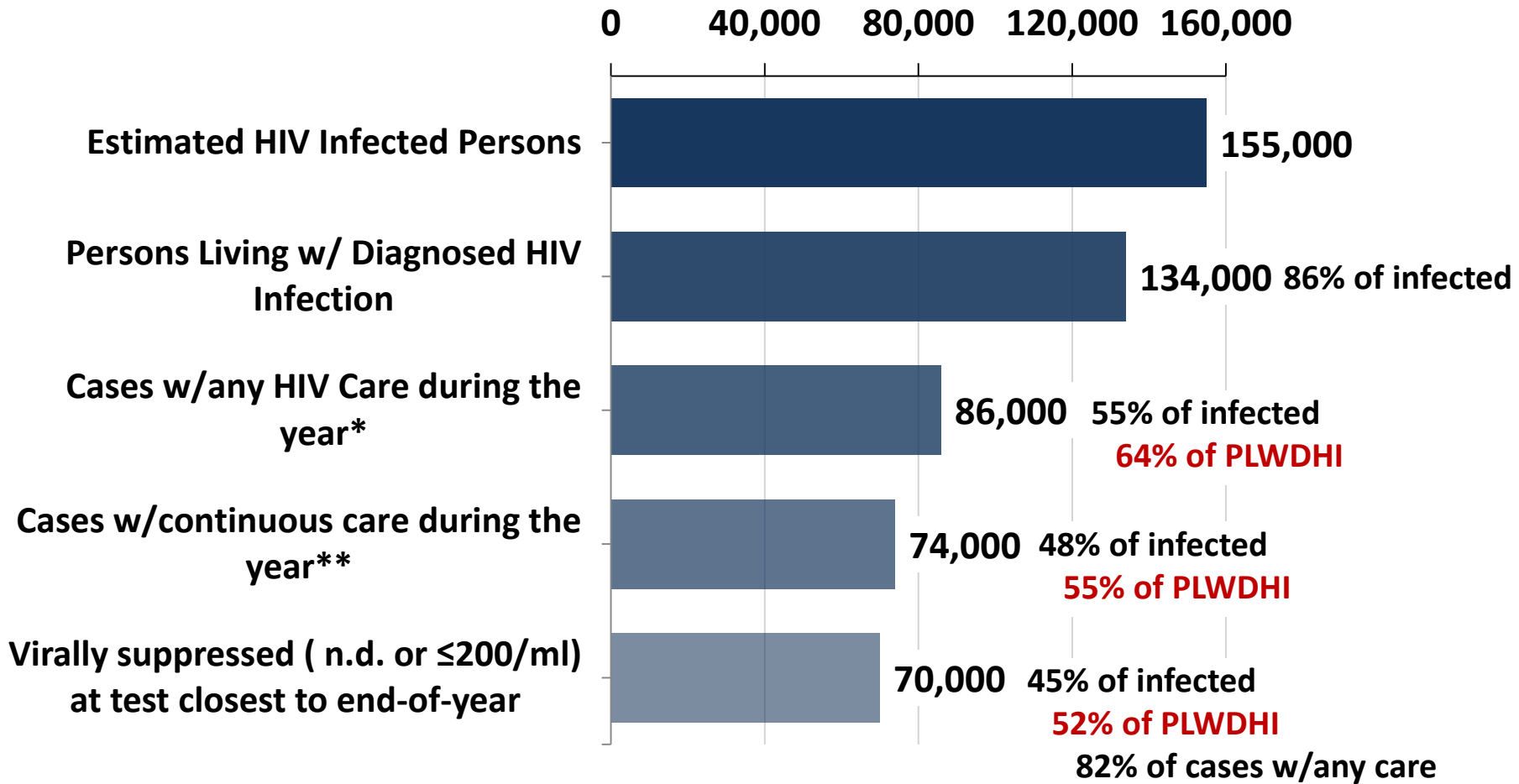
# New York State Estimated New HIV Infections by Risk: 2006 - 2013



Produced June 2015 based on January 2015 data

# New York State Cascade of HIV Care, 2013

## Persons Diagnosed in NYS &† Living at End of 2013



\* Any VL or CD4 test during the year

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

† Persons with residence in NYS at the time of diagnosis alive as of December 31, 2013

# Old and new style Cascade populations

Persons diagnosed in  
NYS and living 12/2013

133,400

1. Remove persons with recent  
non-NYS address

1,600

2. Add persons diagnosed in another  
state with recent NYS address

5,800

3. Remove (a) persons with AIDS with no  
evidence of care for 5 years, and  
(b) persons with diagnosed HIV (non-AIDS)  
with no evidence of care for 8 years.

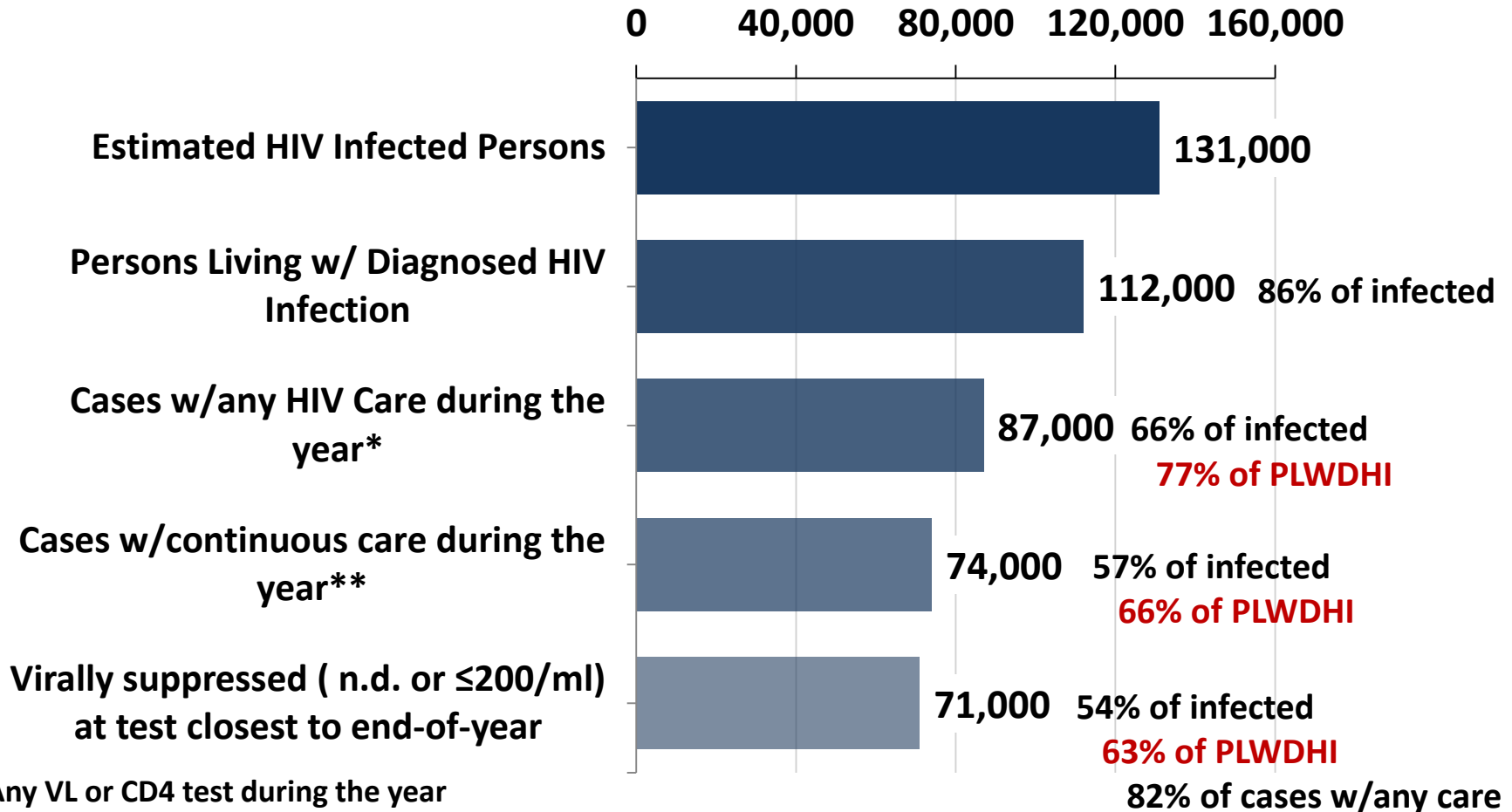
25,200

Persons living with diagnosed  
HIV in NYS, 12/2013

112,400

# New York State Cascade of HIV Care, 2013

## Persons *Residing* in NYS<sup>†</sup> at End of 2013



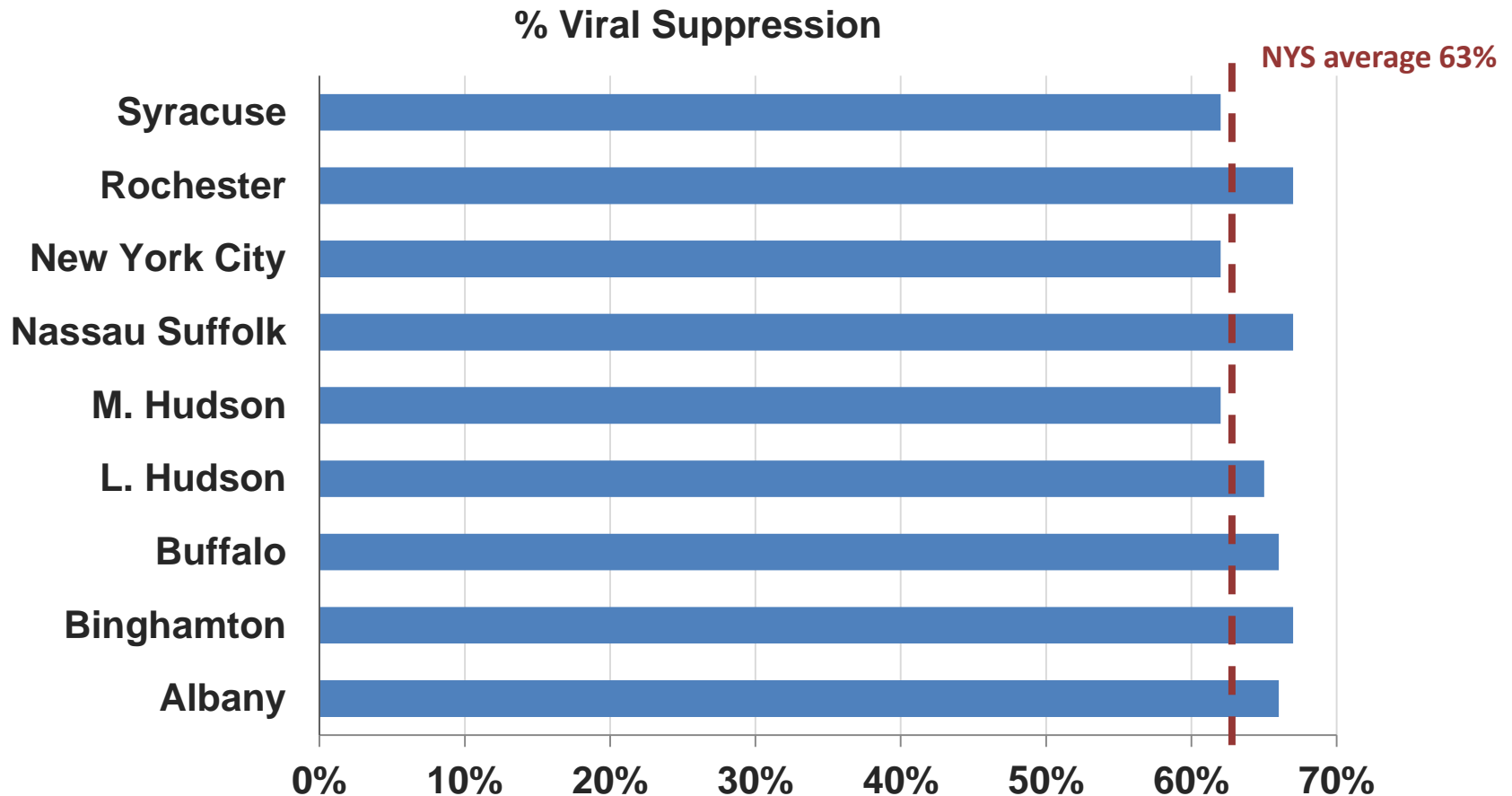
\* Any VL or CD4 test during the year

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

<sup>†</sup> *Based on most recent known address, regardless of where diagnosed.*

*Excludes persons with AIDS with no evidence of care for 5 years and persons with diagnosed HIV (non-AIDS) with no evidence of care for 8 years.*

# Viral Suppression among Persons Living with Diagnosed HIV Infection by Ryan White Region New York State, 2013



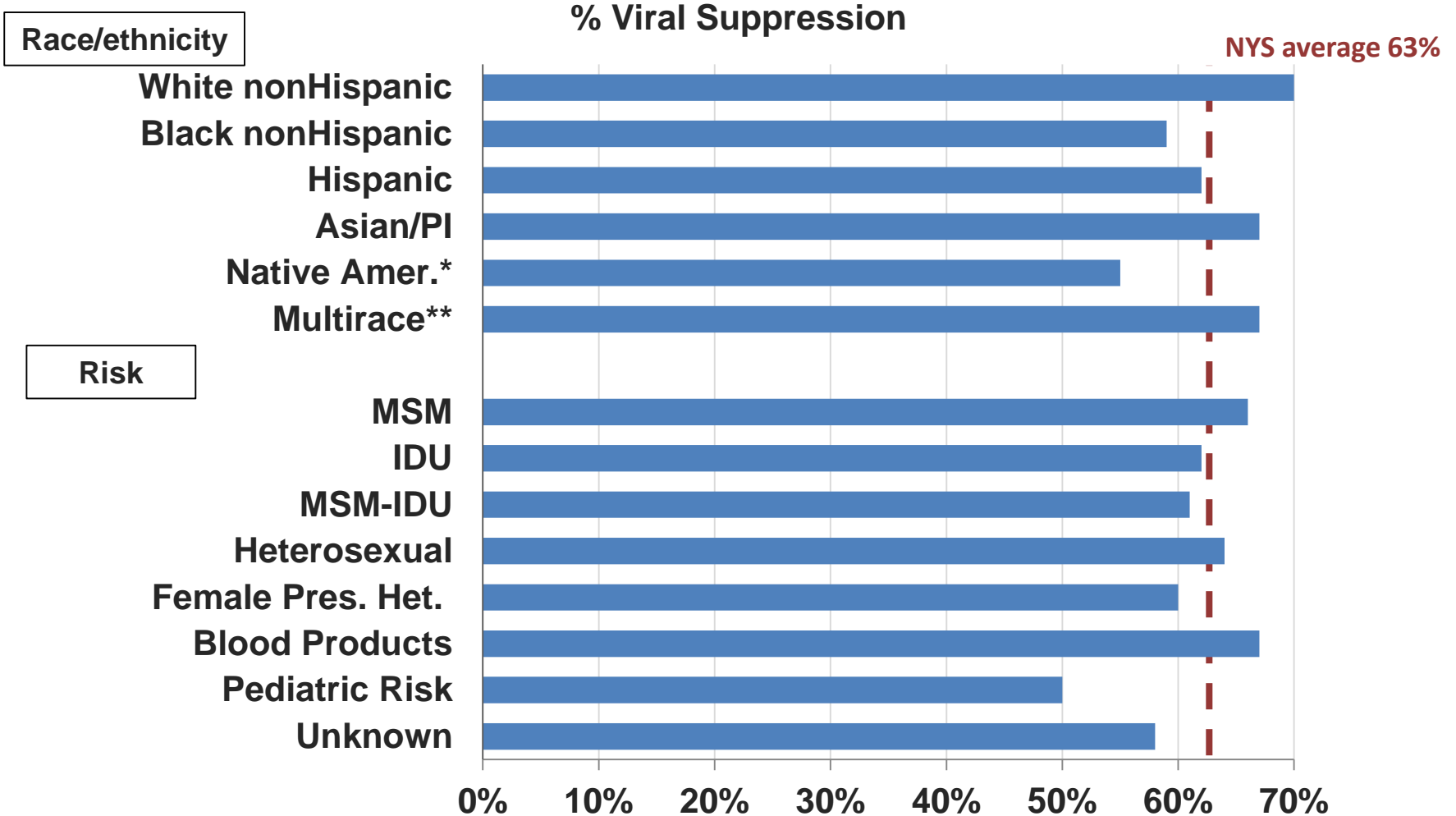
New York State and region residence based on most recent address known to NYSDOH Bureau of HIV/AIDS Epidemiology.



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# Viral Suppression among Persons Living with Diagnosed HIV Infection by Risk and Race/Ethnicity: New York State, 2013

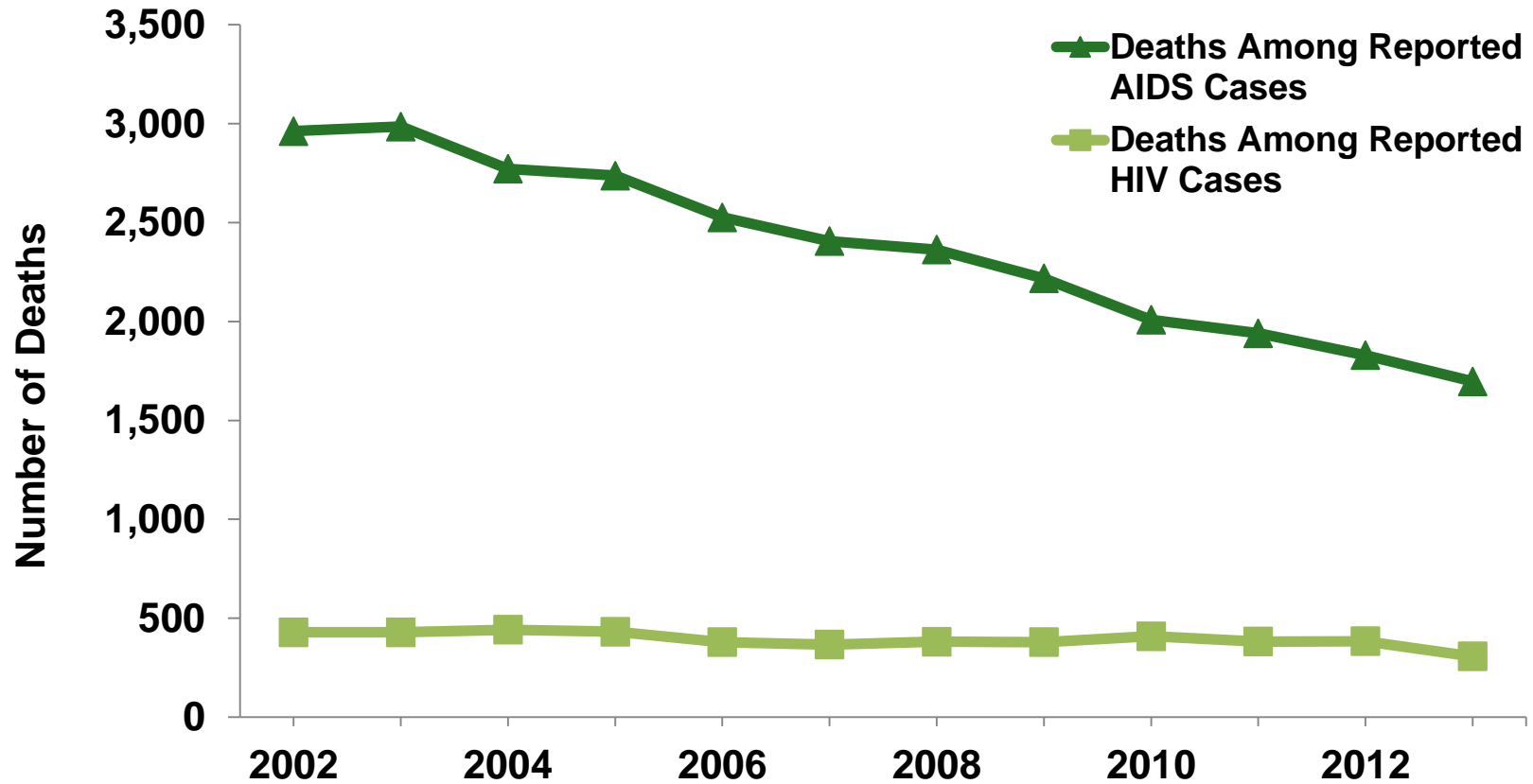


\*Based on a small number of persons (n=100).

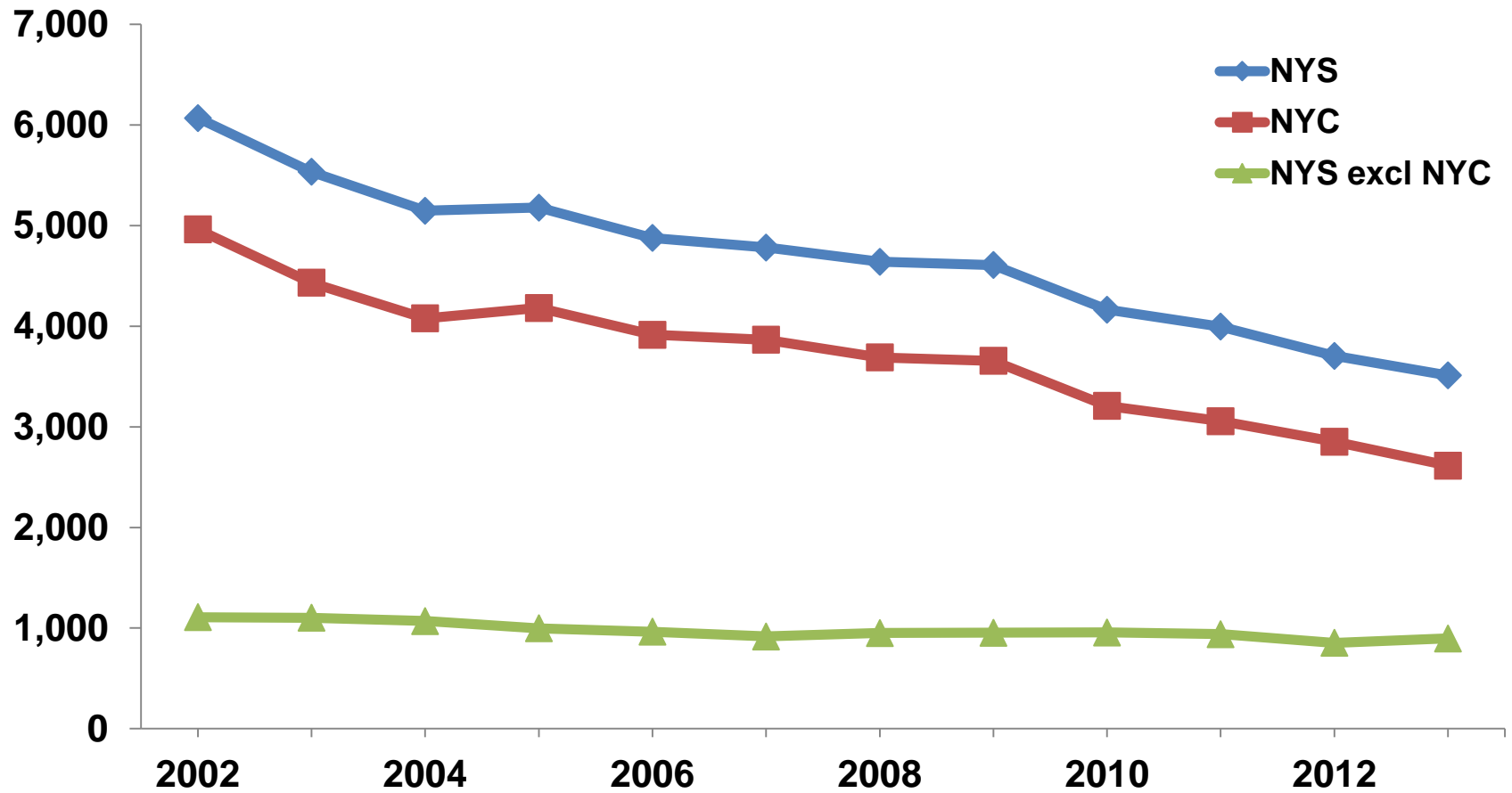
\*\*Multirace care measures are likely less reliable due to the method used to calculate multirace status.

New York State residence based on most recent address known to NYSDOH Bureau of HIV/AIDS Epidemiology.

# Deaths Among Reported HIV and AIDS Cases by Year of Death, New York State, 2002-2013\*



# Newly Diagnosed HIV Cases by Year of Diagnosis and Region, New York State, 2002-2013\*



# Questions ?

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