

Bronx Community Health Dashboard: *HIV and AIDS*

Created: 5/4/2017

Last Updated: 3/20/2019

See last [slide](#) for more information about this project.

Overview of HIV/AIDS in the Bronx

Disparities exist in early HIV/AIDS detection, but are declining

Bronx residents are being diagnosed with HIV at a lower rate and are living with HIV longer

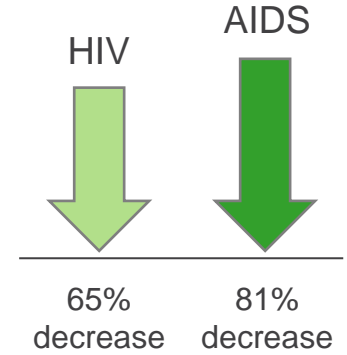
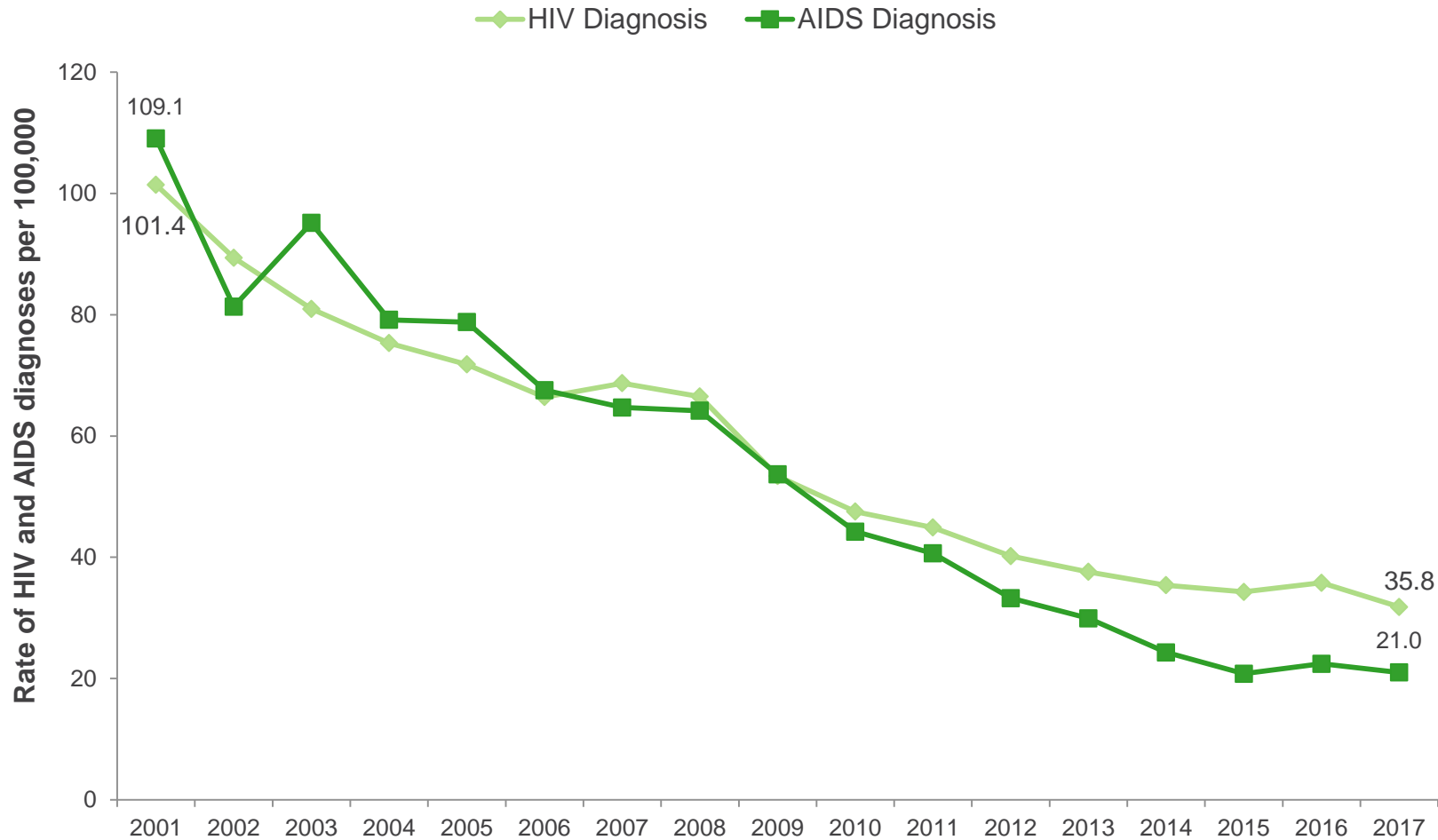
Bronx residents with lower incomes and less education are more likely to have had an HIV/AIDS test

Bronx residents have the highest likelihood of ever having an HIV/AIDS screening compared to other boroughs

Newly diagnosed Bronx residents equally likely to initiate care, but somewhat less likely to have viral suppression, 2017

AIDS diagnoses are highest in the Bronx amongst non-Hispanic black residents and males

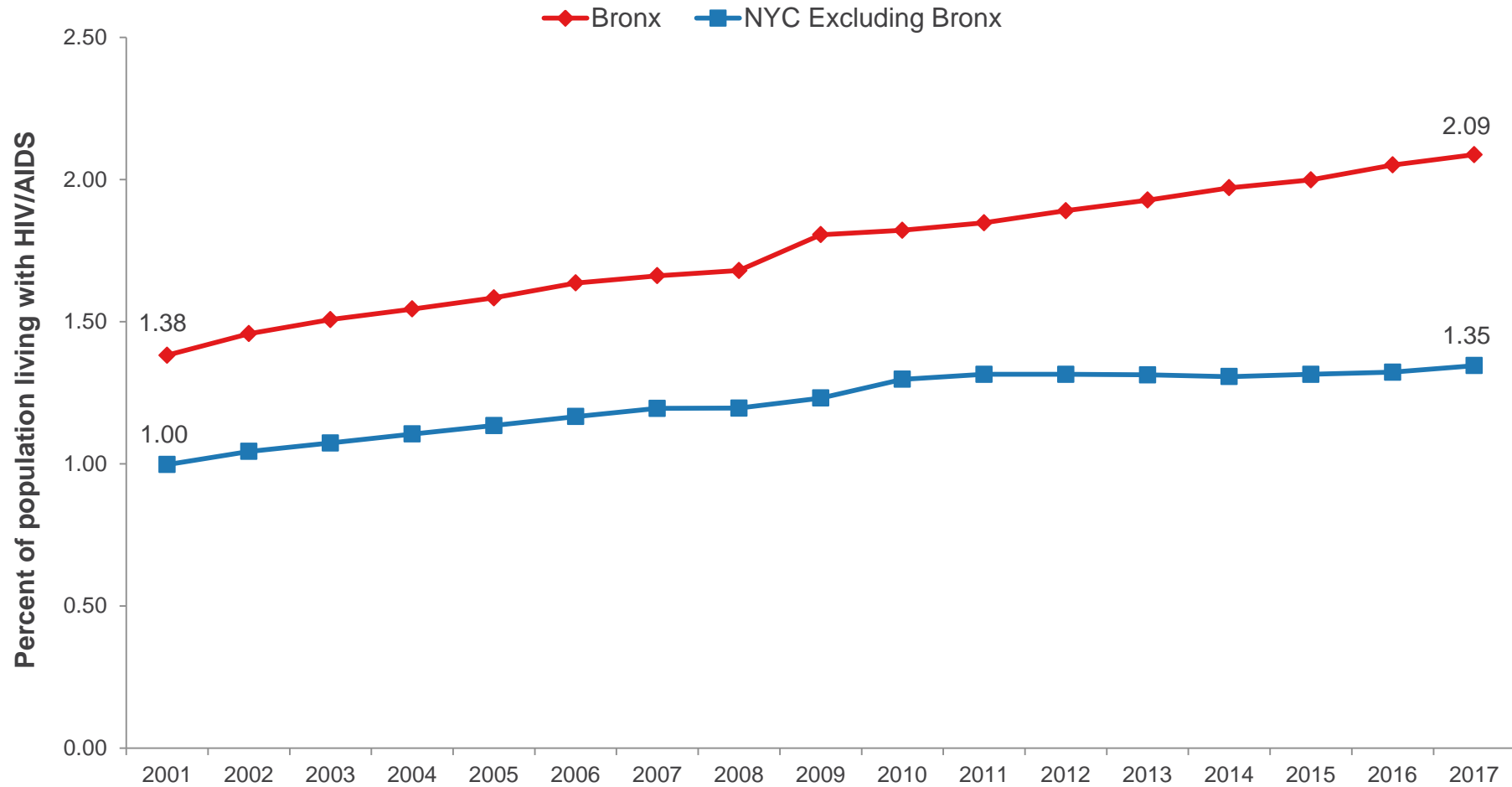
Fewer people are being newly diagnosed with HIV and AIDS in the Bronx



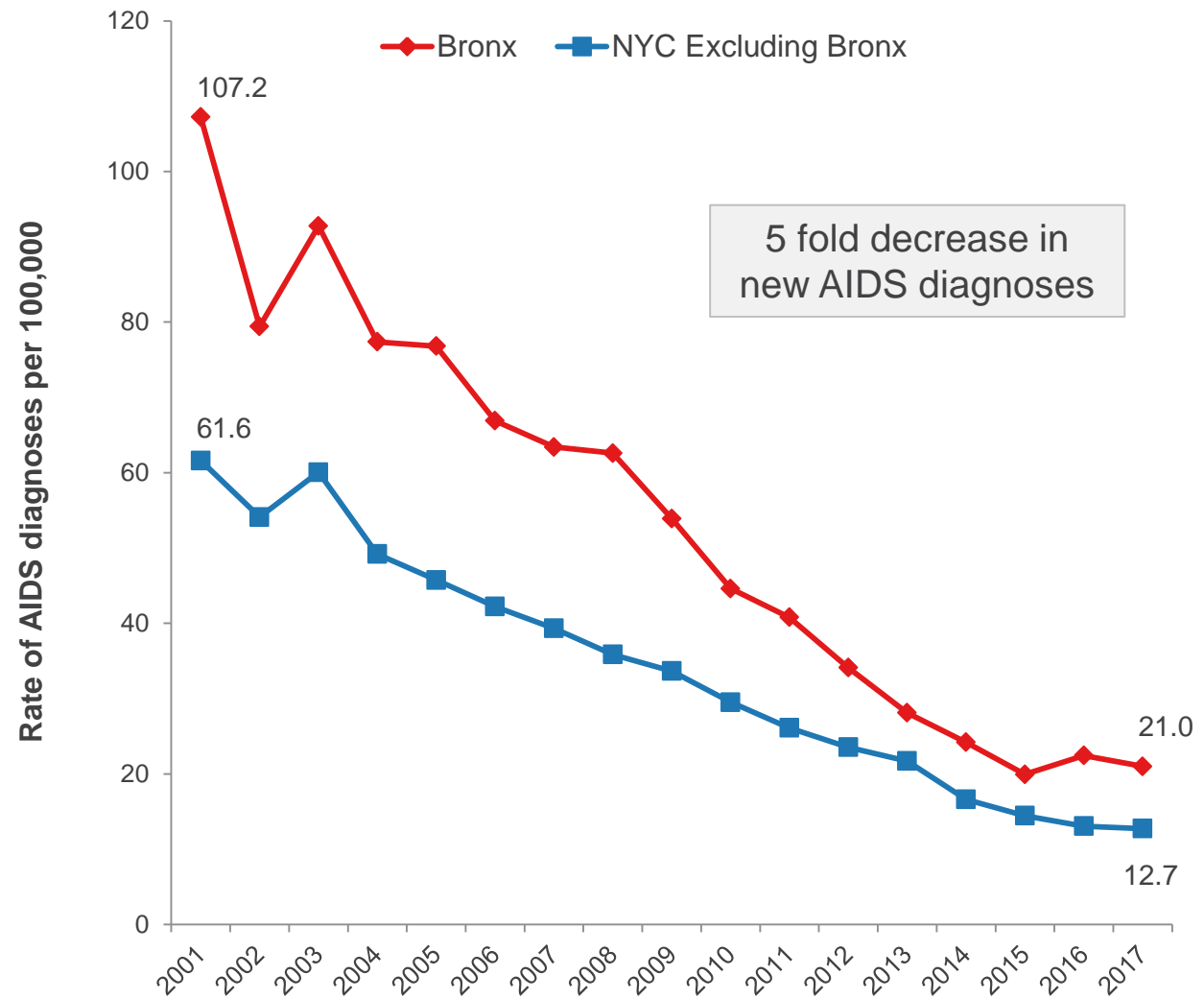
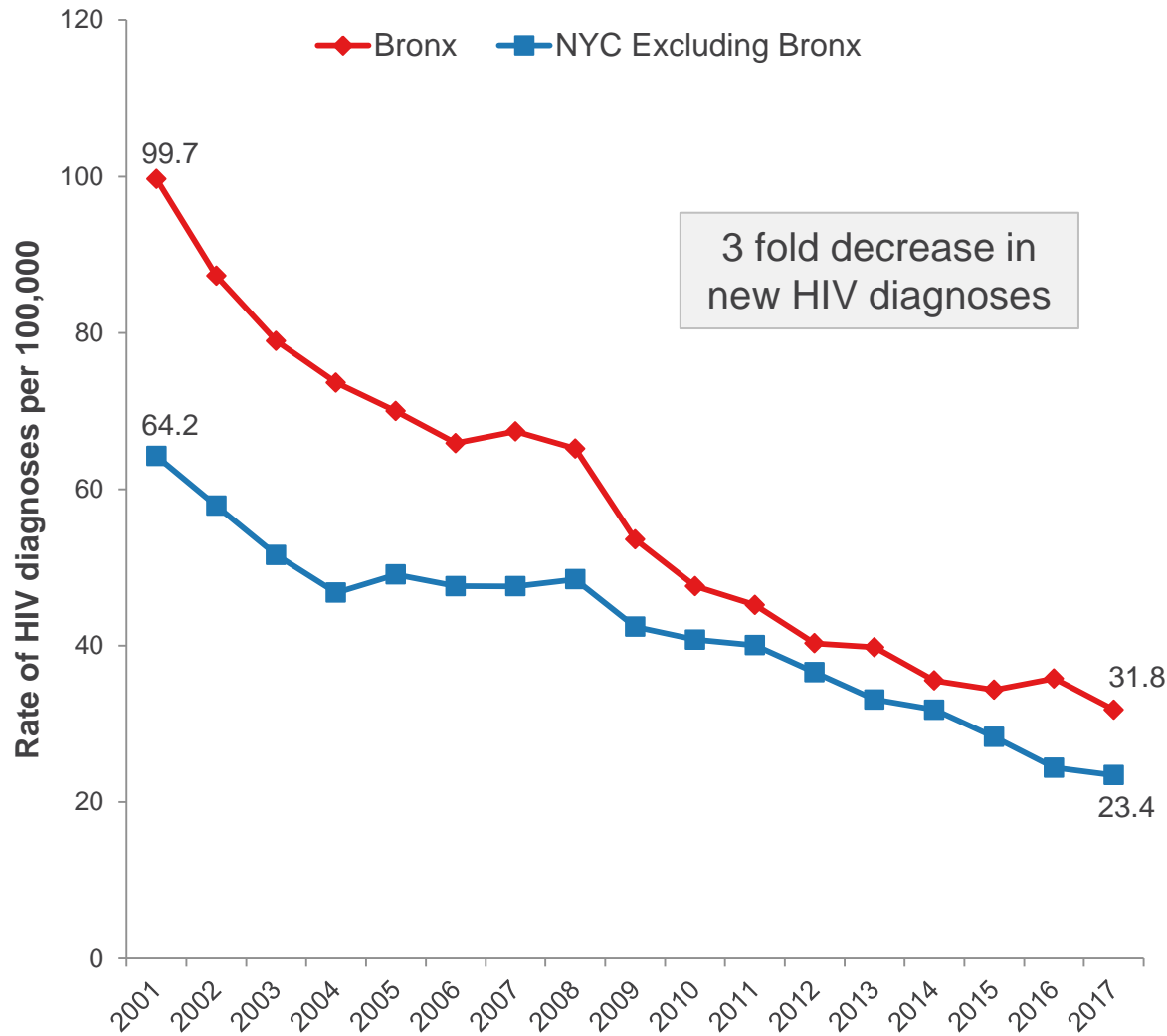
HIV Diagnosis: positive Western blot test in adults and positive PCR (polymerase chain reaction) test in infants <18 months

AIDS Diagnosis: HIV-infected and either 1+ AIDS-defining opportunistic illness or a lab test indicating suppressed CD4+ cell counts (<200 cells/ μ L)

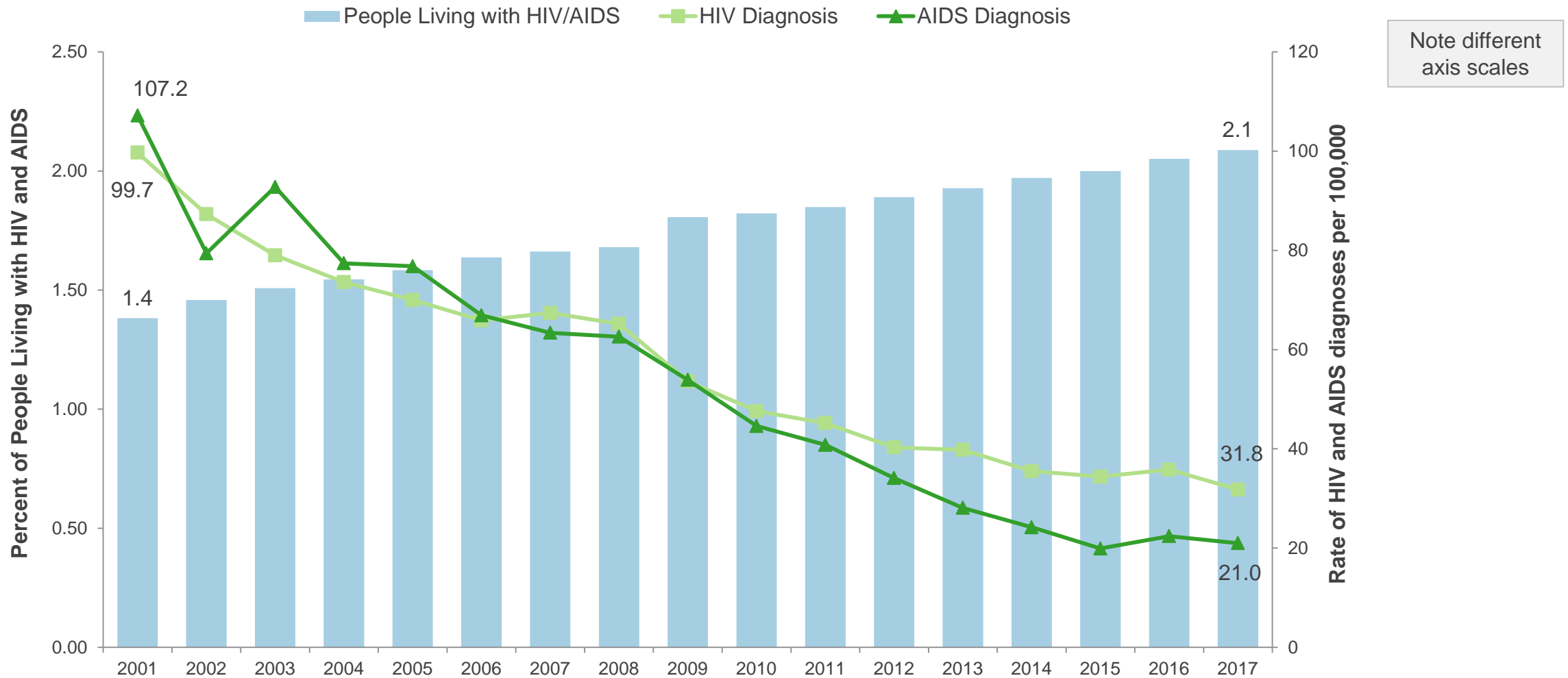
The percent of Bronx residents living with HIV/AIDS has been steadily increasing over the last 15 years



New HIV and AIDS diagnoses rates are falling

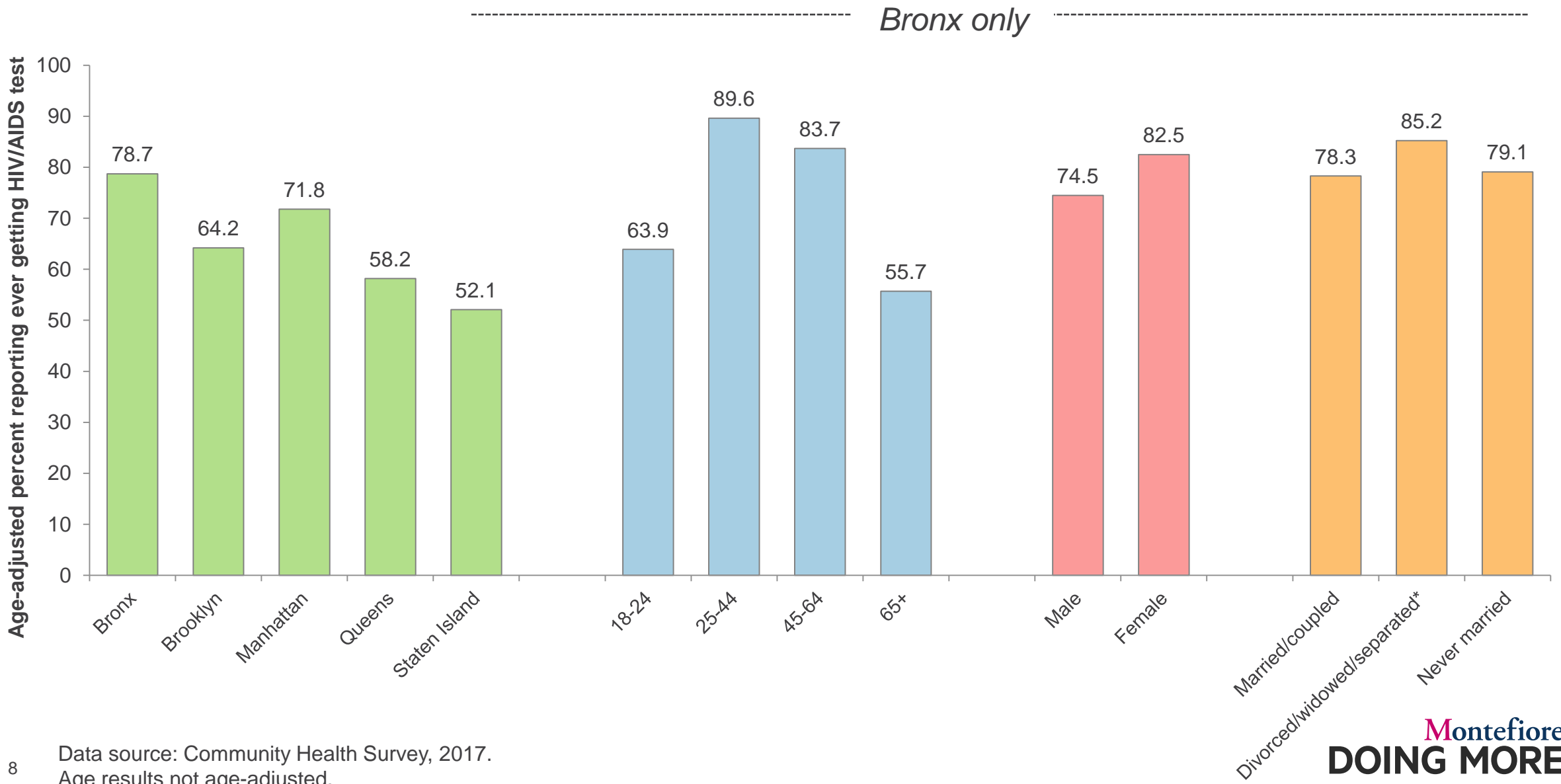


The rate of new HIV/AIDS cases is falling but the rate of people living with HIV/AIDS is increasing

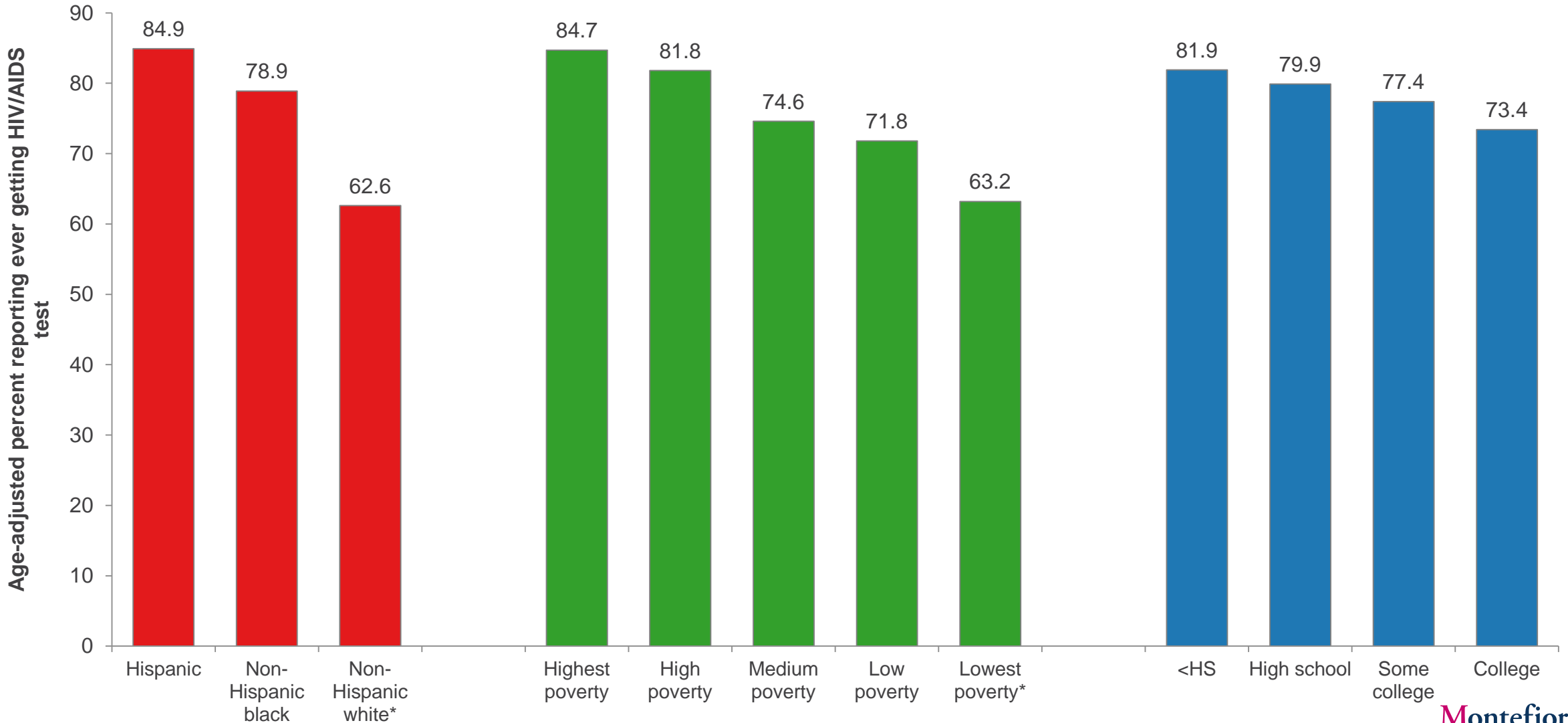


HIV Testing

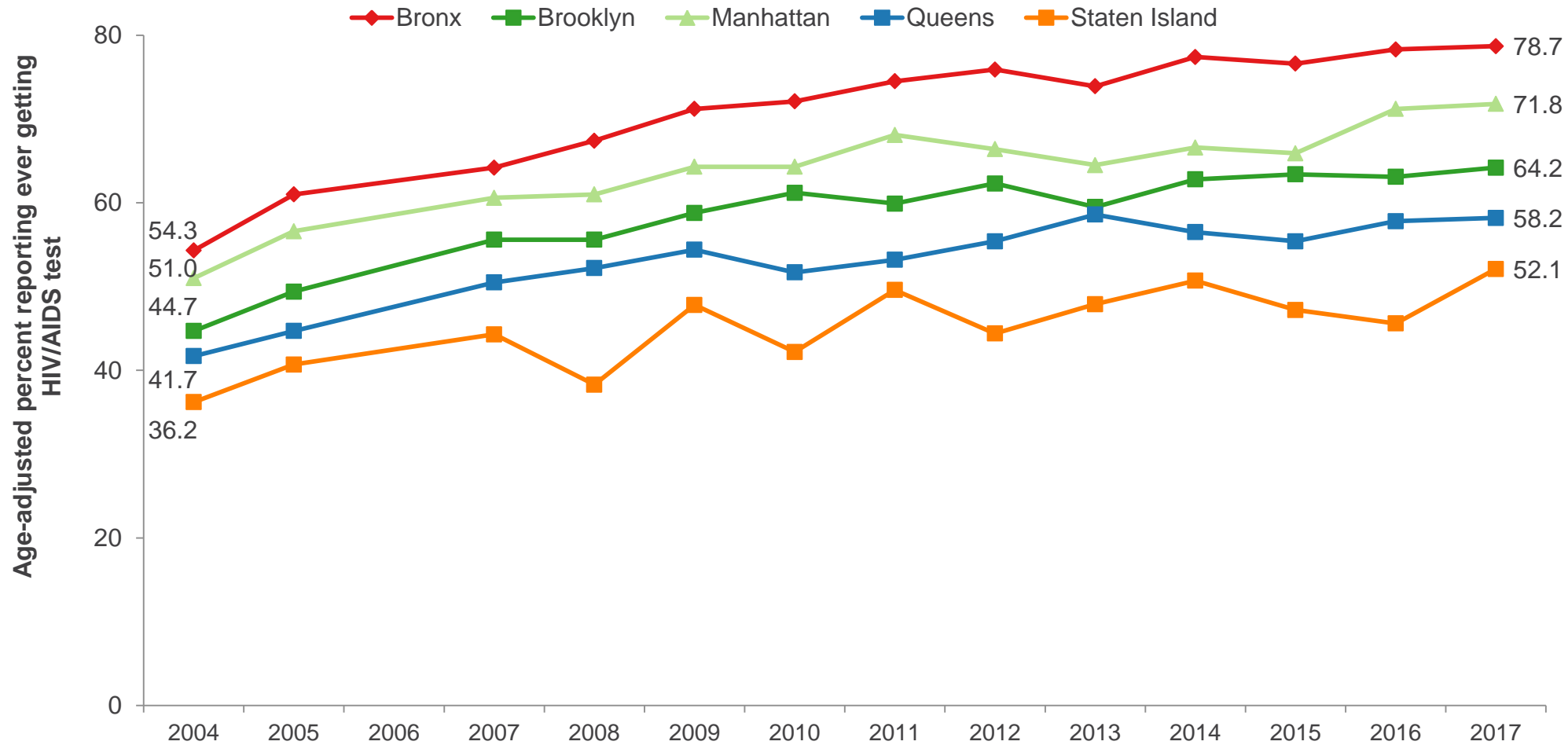
Bronx adult residents are more likely to have ever had an HIV/AIDS test compared to other boroughs



Residents with lower incomes and less education more likely to have ever had an HIV/AIDS test



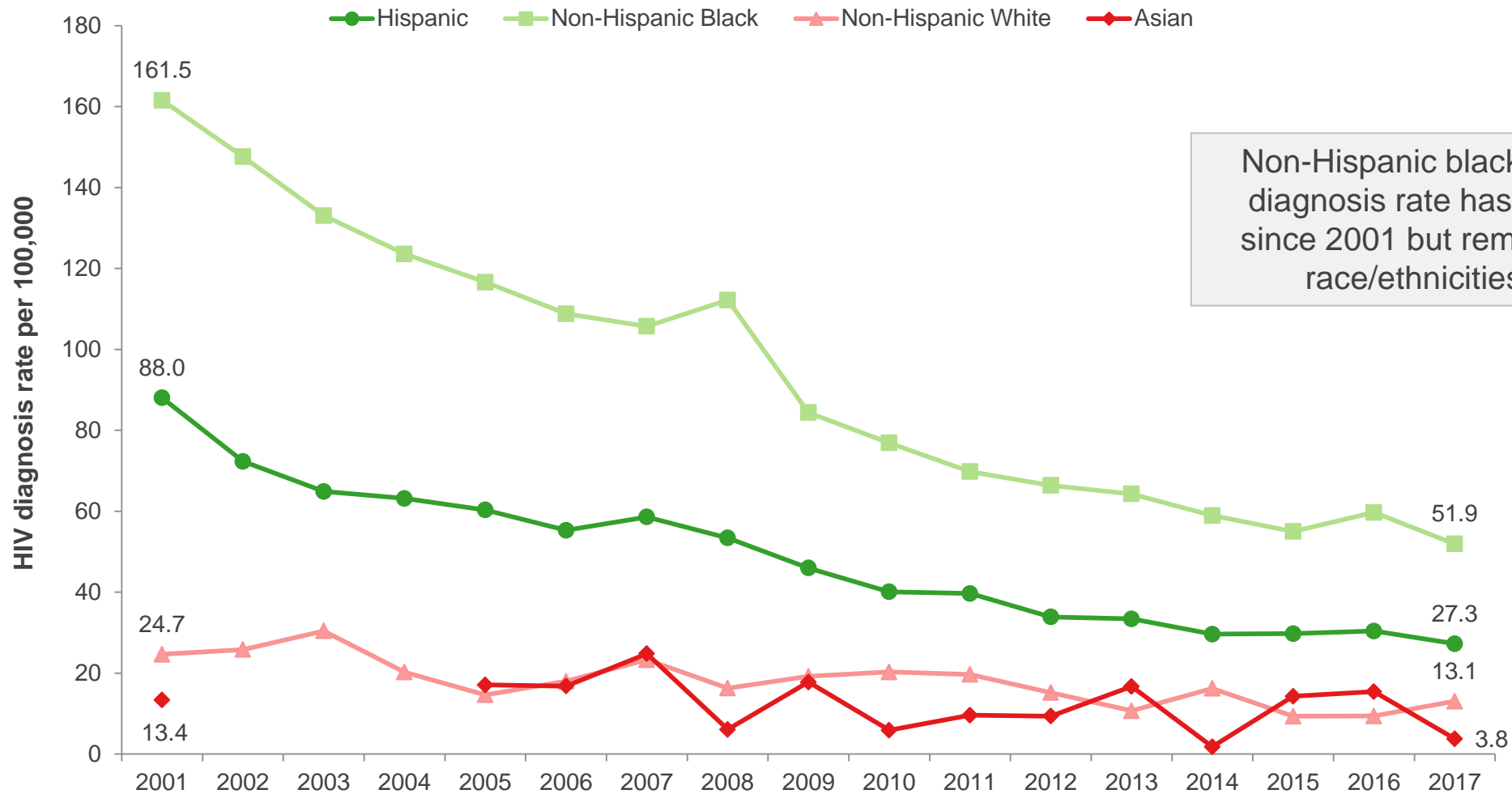
Since 2004, the Bronx has had the highest percentage of people ever getting an HIV/AIDS test



Data source: Community Health Survey, 2004-2017.
Comparable data not collected in 2006.

HIV Diagnoses in the Bronx

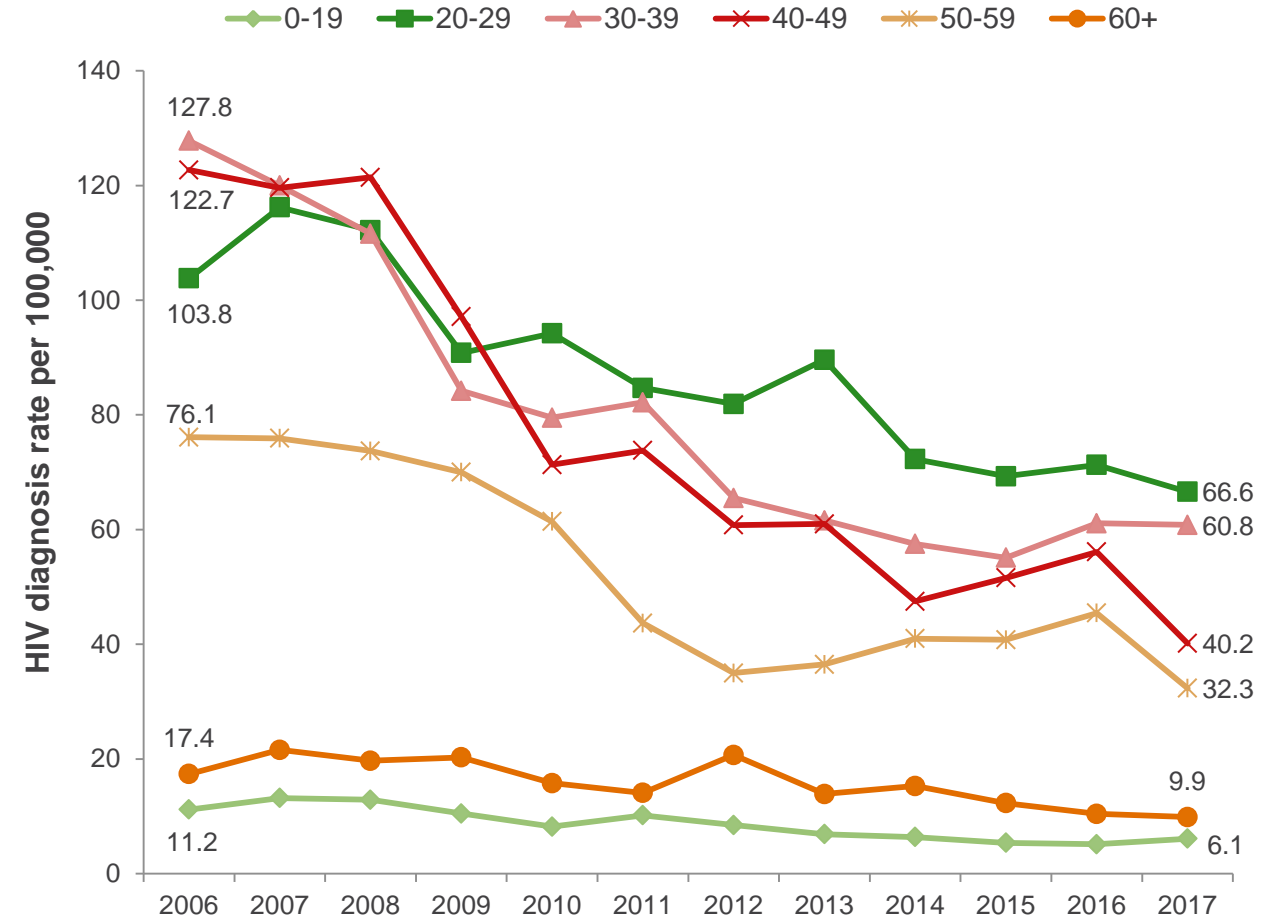
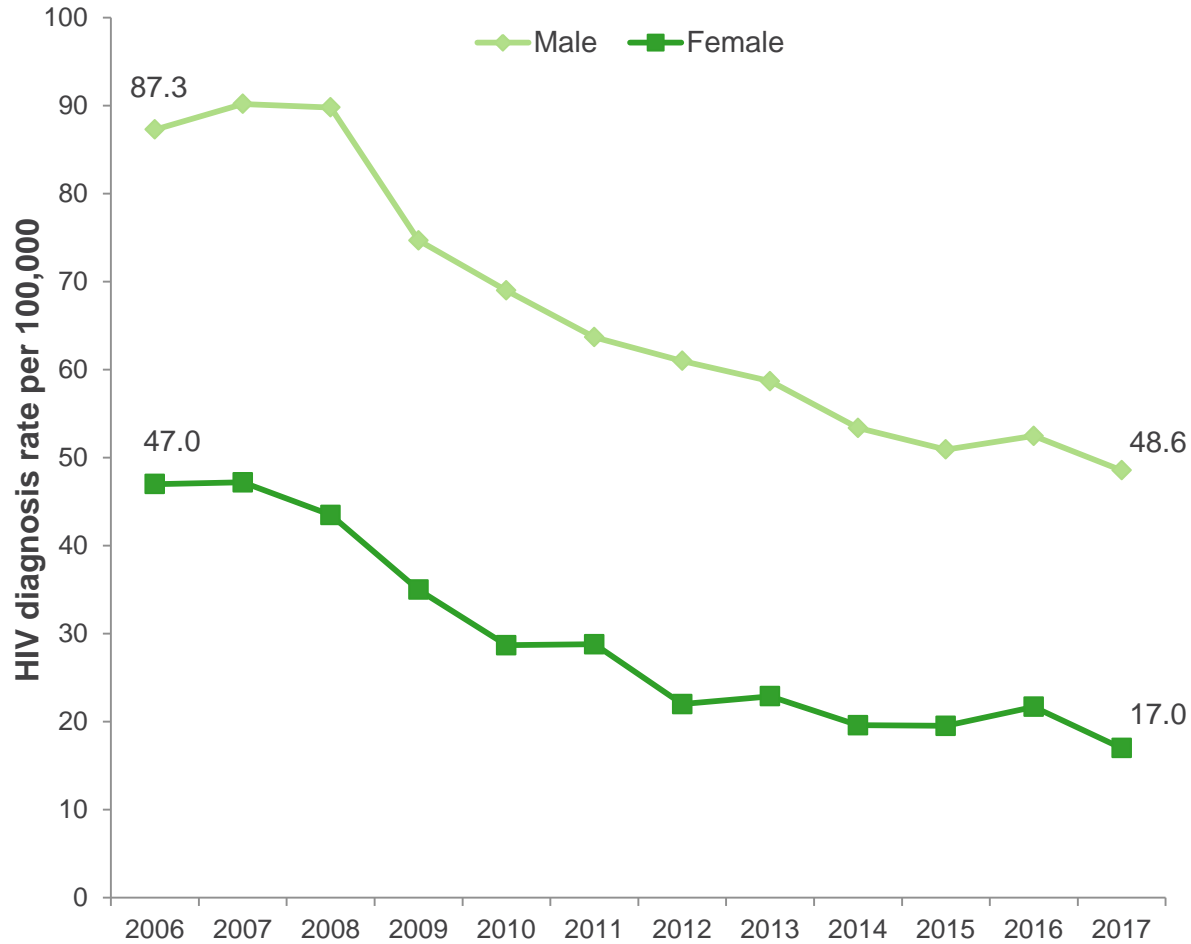
HIV diagnosis rates have decreased in all groups, but disparities remain



Non-Hispanic black population's HIV diagnosis rate has fallen over 3 fold since 2001 but remains highest of all race/ethnicities in the Bronx

Data source: New York City HIV/AIDS Annual Surveillance Statistics, 2001-2017. 2002-2004 data for the Asian population is unstable. For 2016 and 2017, denominators are from the American Community Survey. For all other years, denominators are DOHMH population estimates.

Males in the Bronx have higher rates of HIV diagnoses

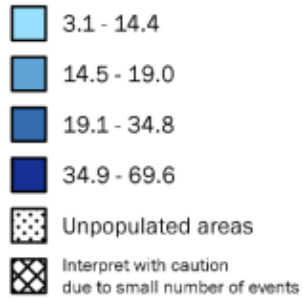


Data source: New York City HIV/AIDS Annual Surveillance Statistics, 2006-2017.

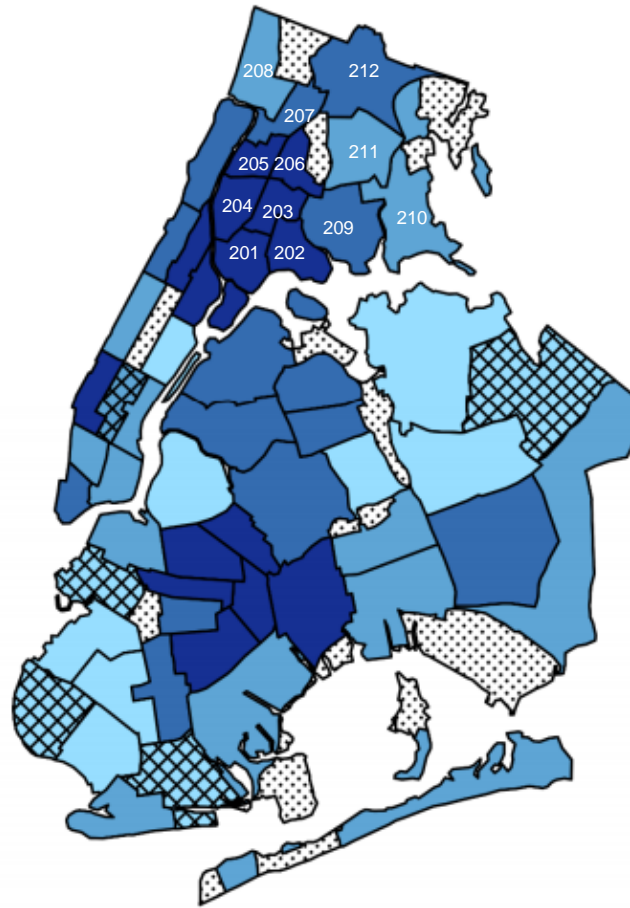
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4 of 10 community districts with highest rates of new HIV diagnoses are in the Bronx

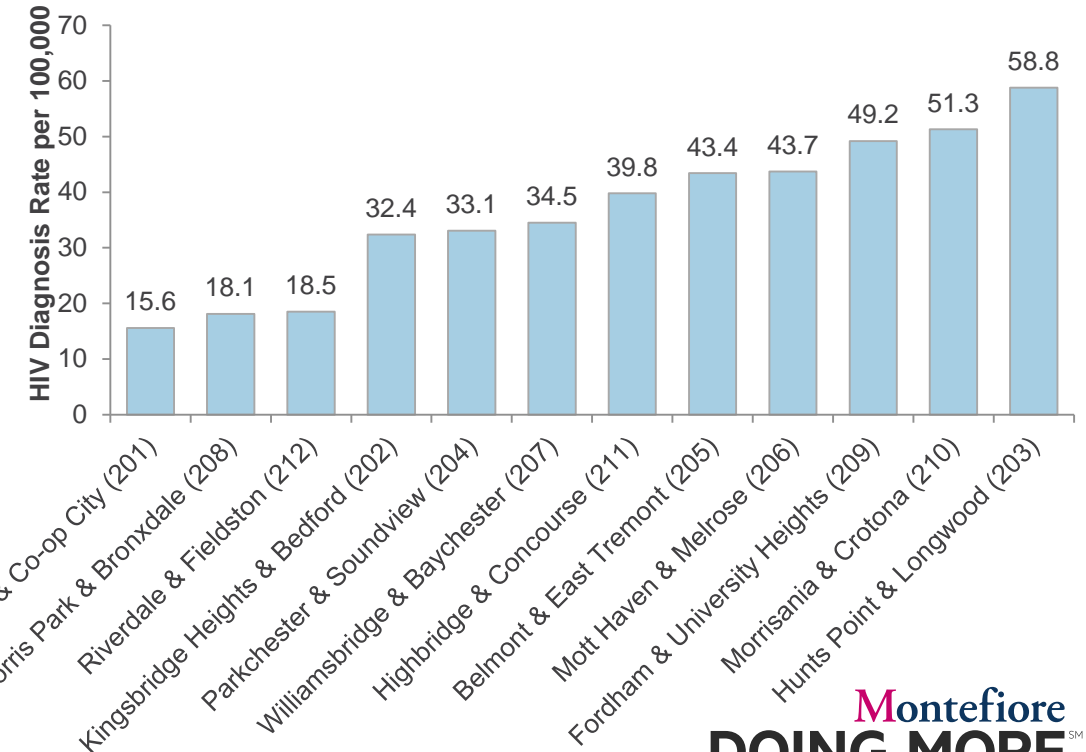
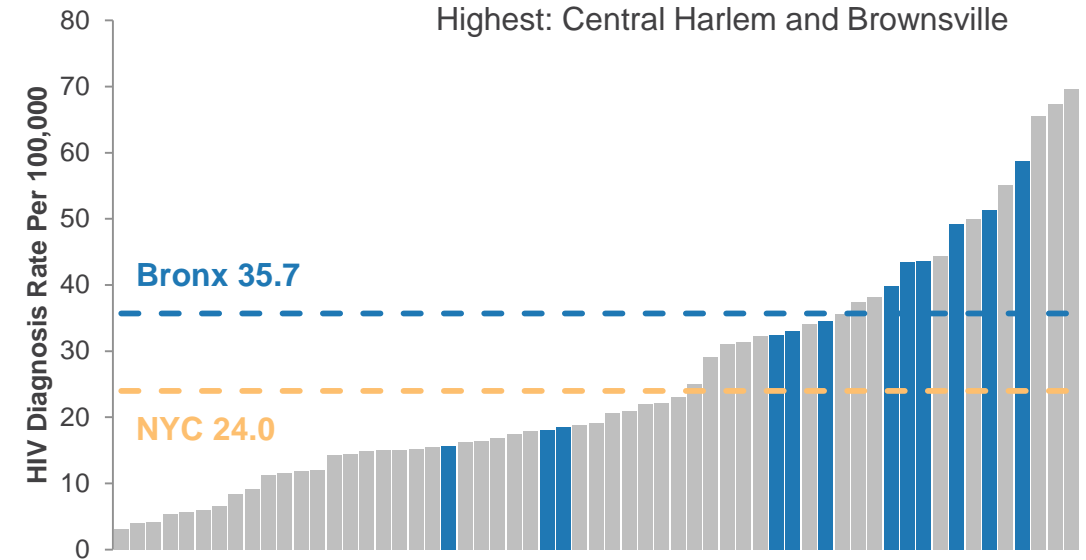
New HIV Diagnoses Rate per 100,000 people



- 201 Mott Haven & Melrose
- 202 Hunts Point & Longwood
- 203 Morrisania & Crotona
- 204 Highbridge & Concourse
- 205 Fordham & University Heights
- 206 Belmont & East Tremont
- 207 Kingsbridge Heights & Bedford
- 208 Riverdale & Fieldston
- 209 Parkchester & Soundview
- 210 Throgs Neck & Co-op City
- 211 Morris Park & Bronxdale
- 212 Williamsbridge & Baychester

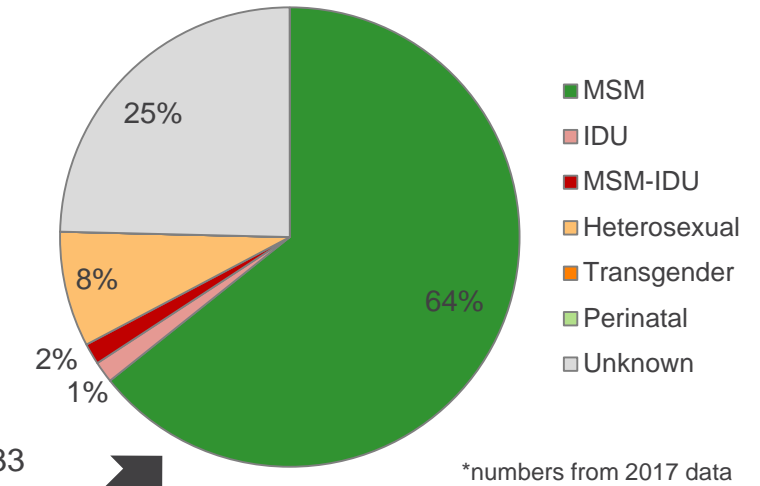
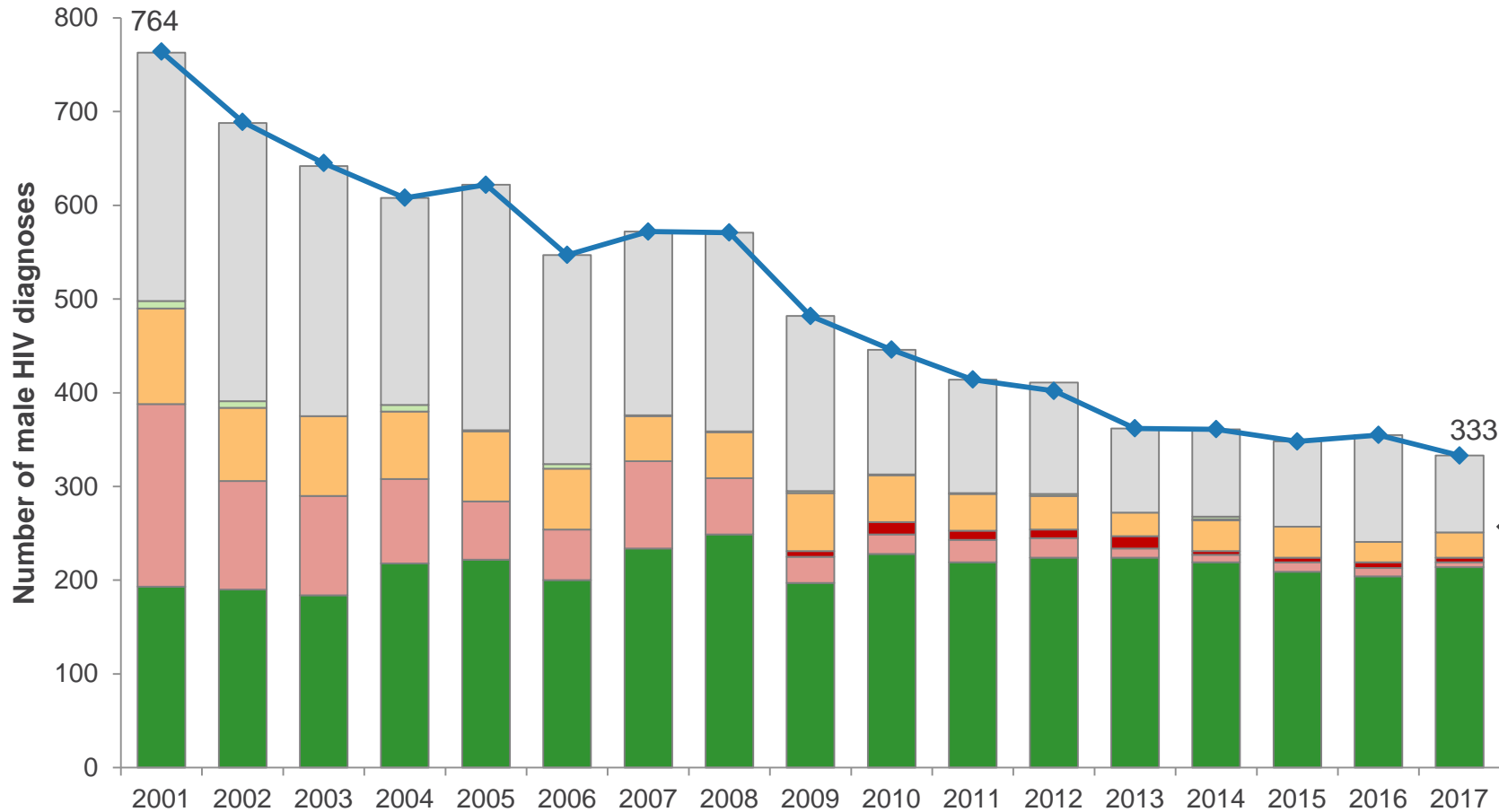


Source: NYC DOHMH, HIV/AIDS Surveillance Registry, 2016



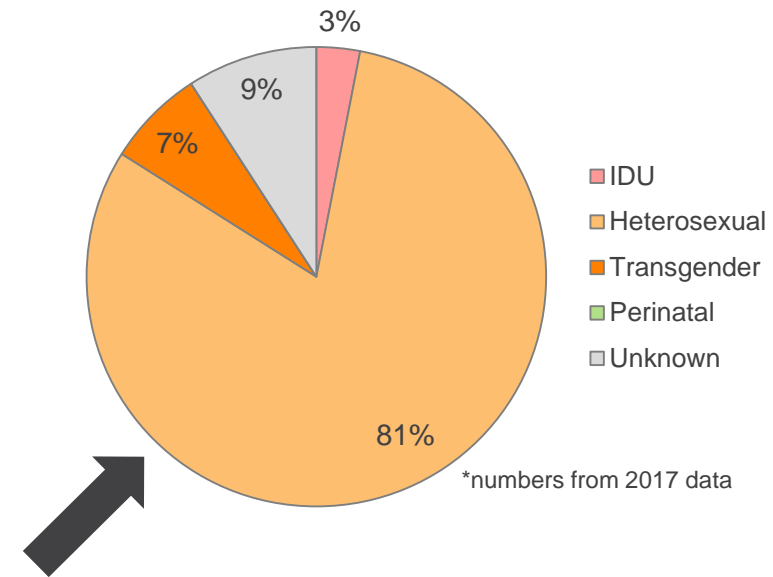
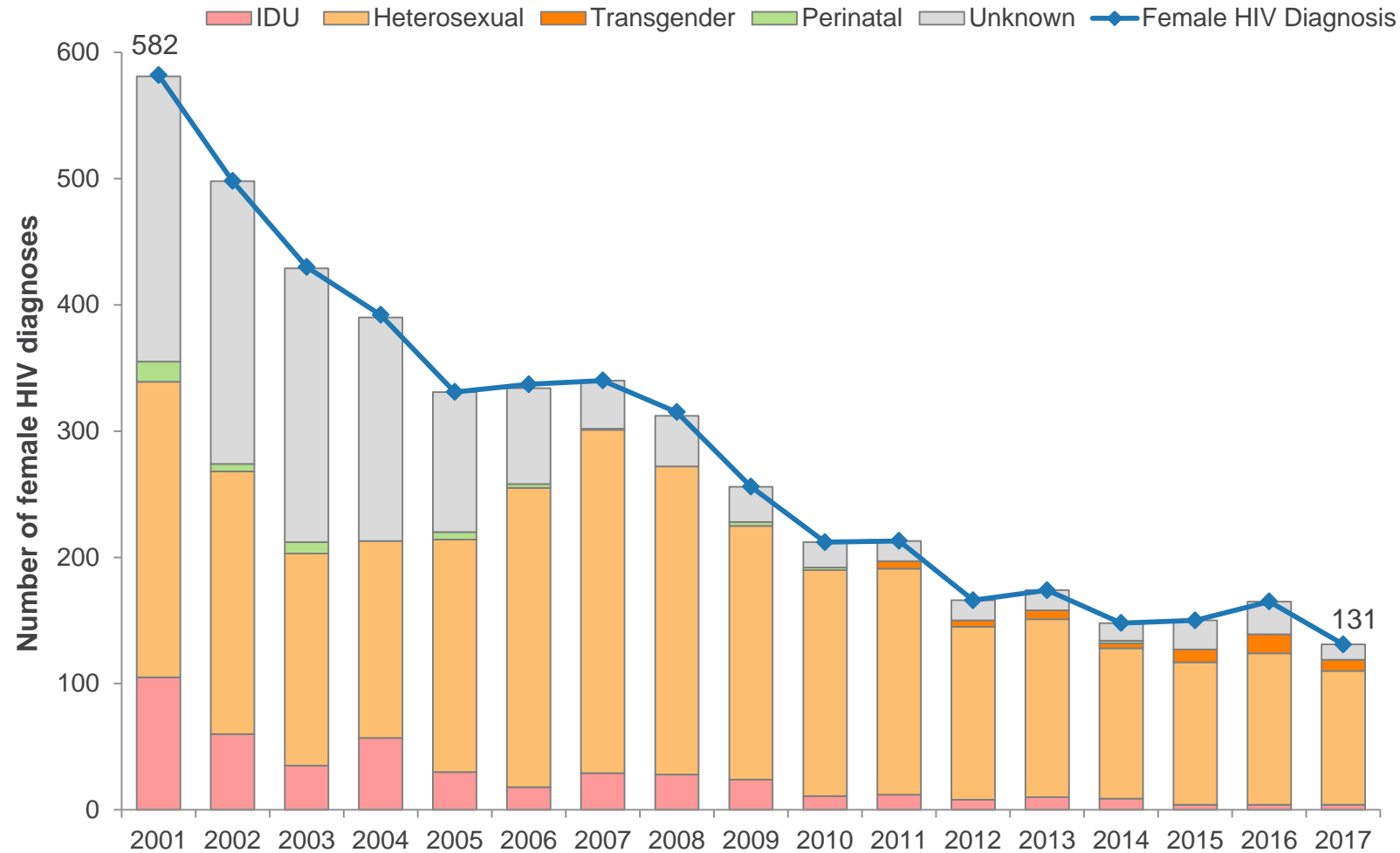
In the Bronx, HIV diagnoses are highest for men who have sex with men

MSM IDU MSM-IDU Heterosexual Transgender Perinatal Unknown Male HIV Diagnosis



Abbreviations
 MSM=men who have sex with men
 IDU=people who inject drugs
 MSM-IDU=men who have sex with men and inject drugs

HIV diagnoses are highest for females with heterosexual contact in the Bronx

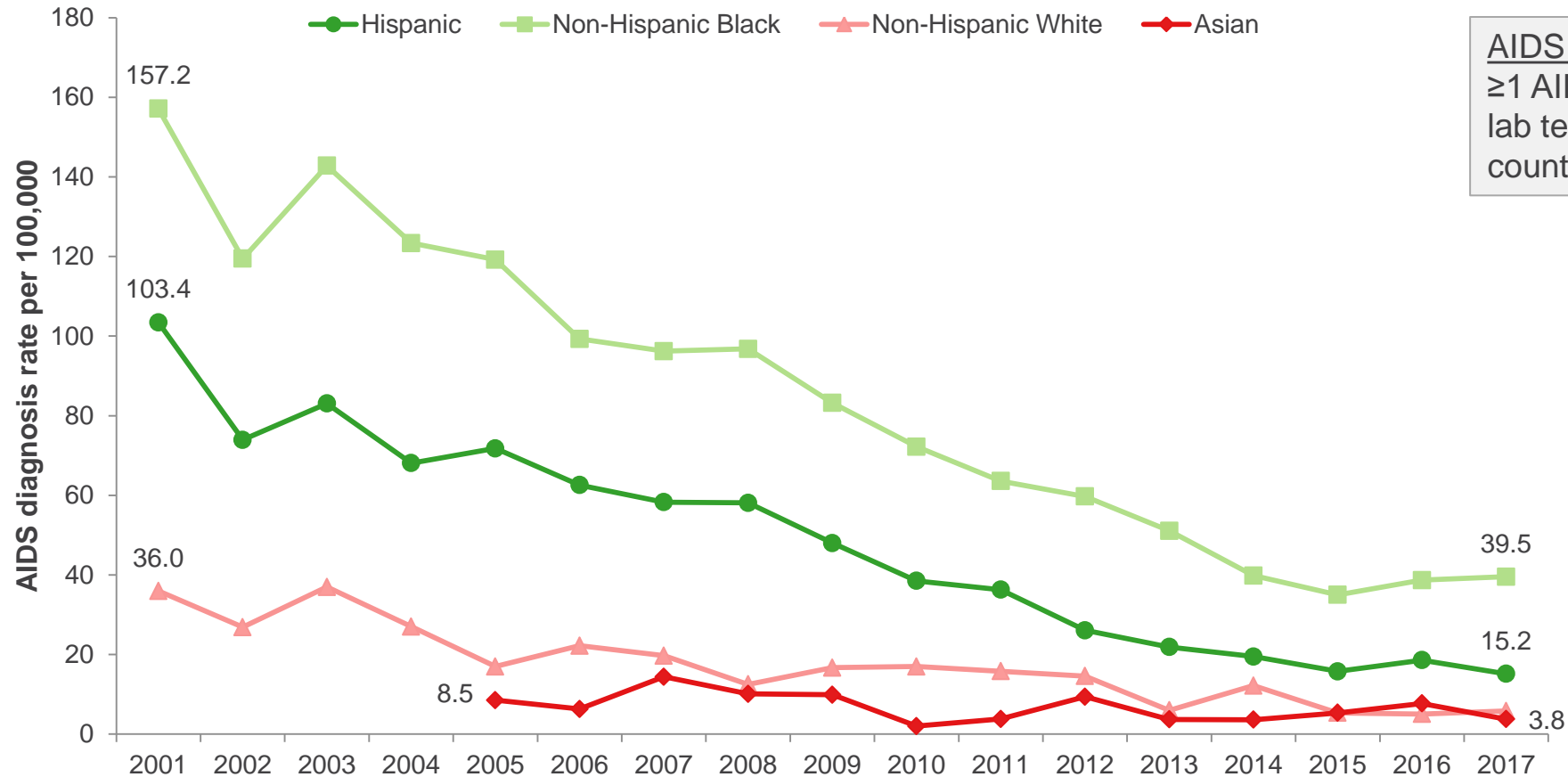


AIDS Diagnoses in the Bronx

AIDS diagnosis is defined as:

- 1) Those diagnosed concurrent with HIV
- 2) Those who transitioned from HIV to AIDS

AIDS diagnoses rates are highest among the non-Hispanic black population in the Bronx



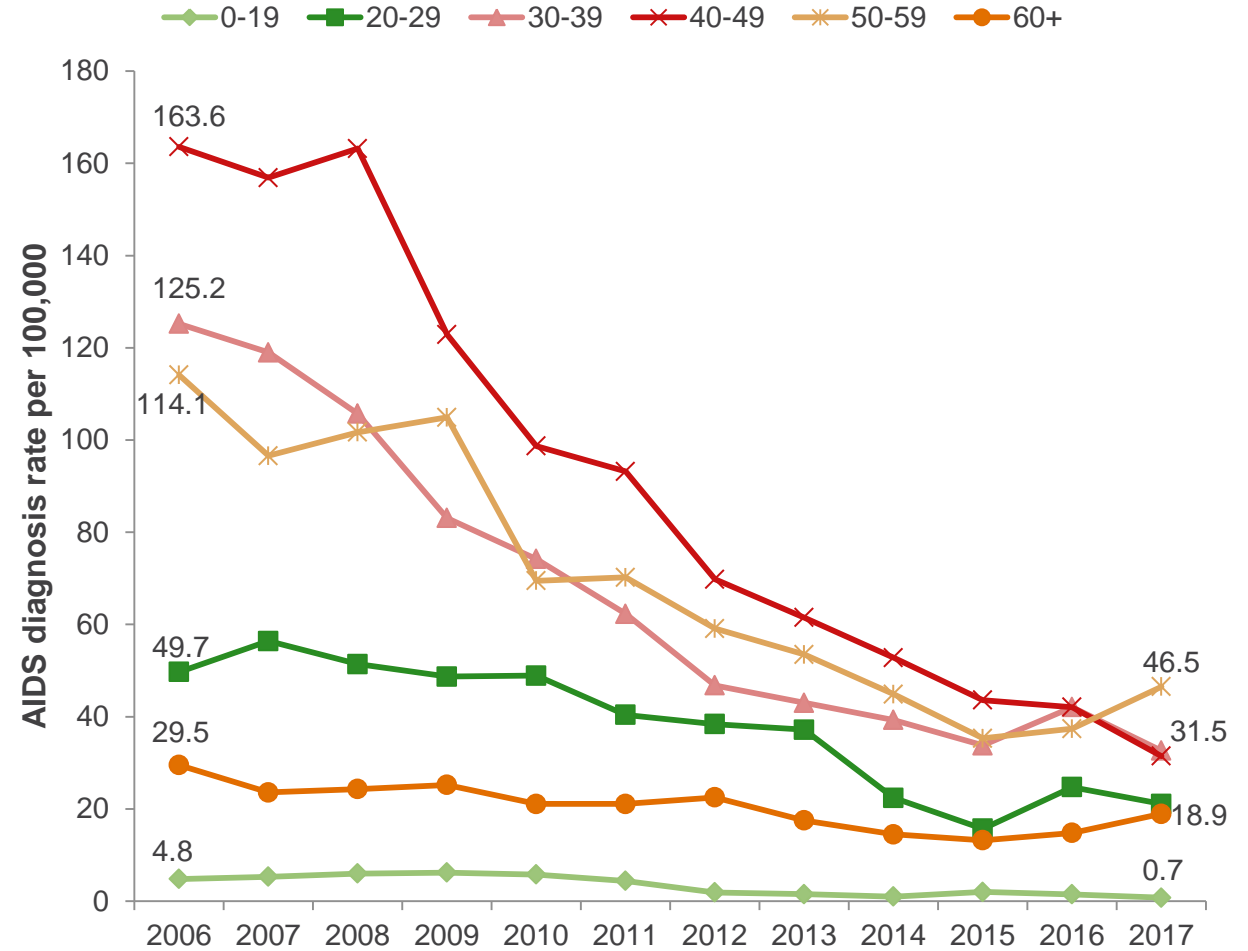
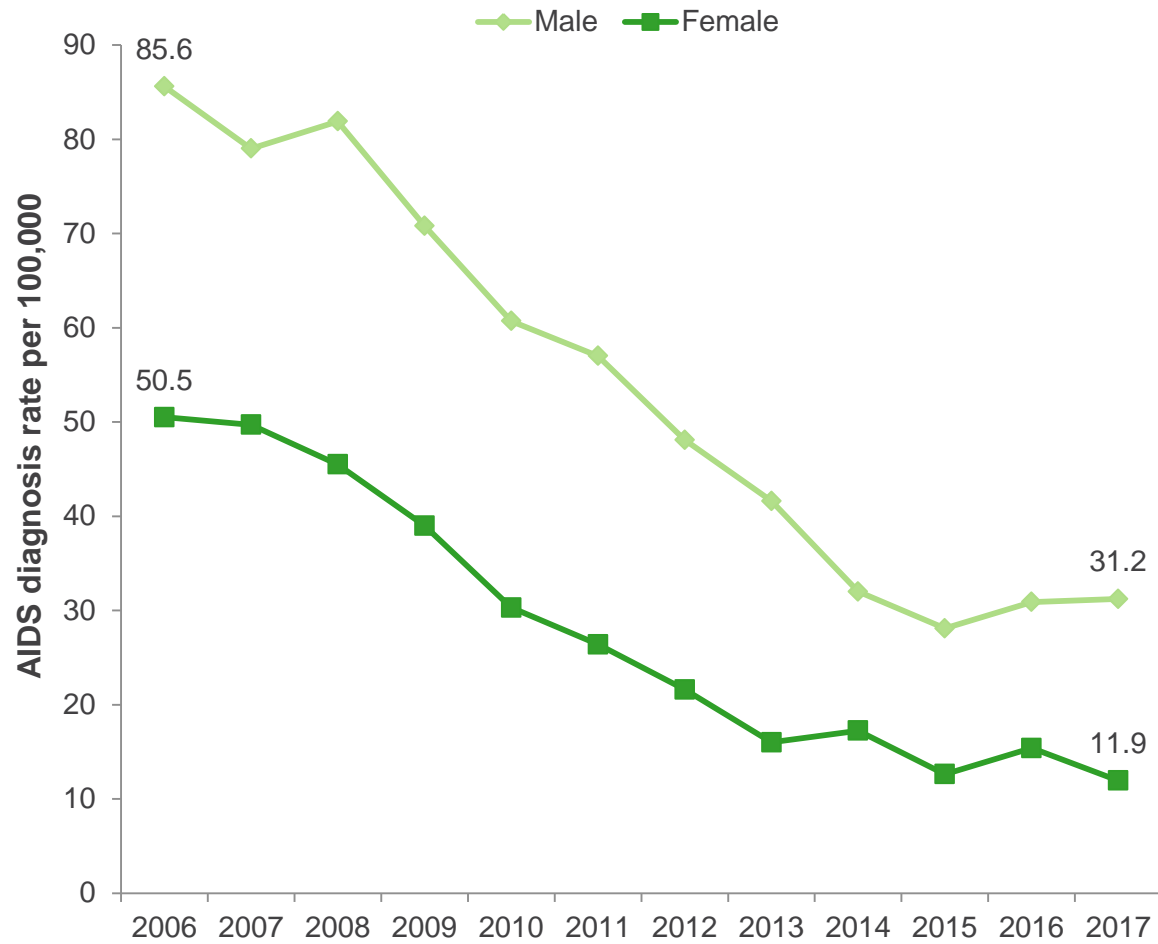
AIDS Diagnosis: HIV-infected and either ≥ 1 AIDS-defining opportunistic illness or a lab test indicating suppressed CD4+ cell counts (< 200 cells/ μ L)

Data source: New York City HIV/AIDS Annual Surveillance Statistics, 2001-2017.

2001-2004 data for Asian population is unstable.

For 2016 and 2017, denominators are from American Community Survey. For all other years, denominators are DOHMH population estimates.

Males in the Bronx have higher rates of AIDS diagnoses



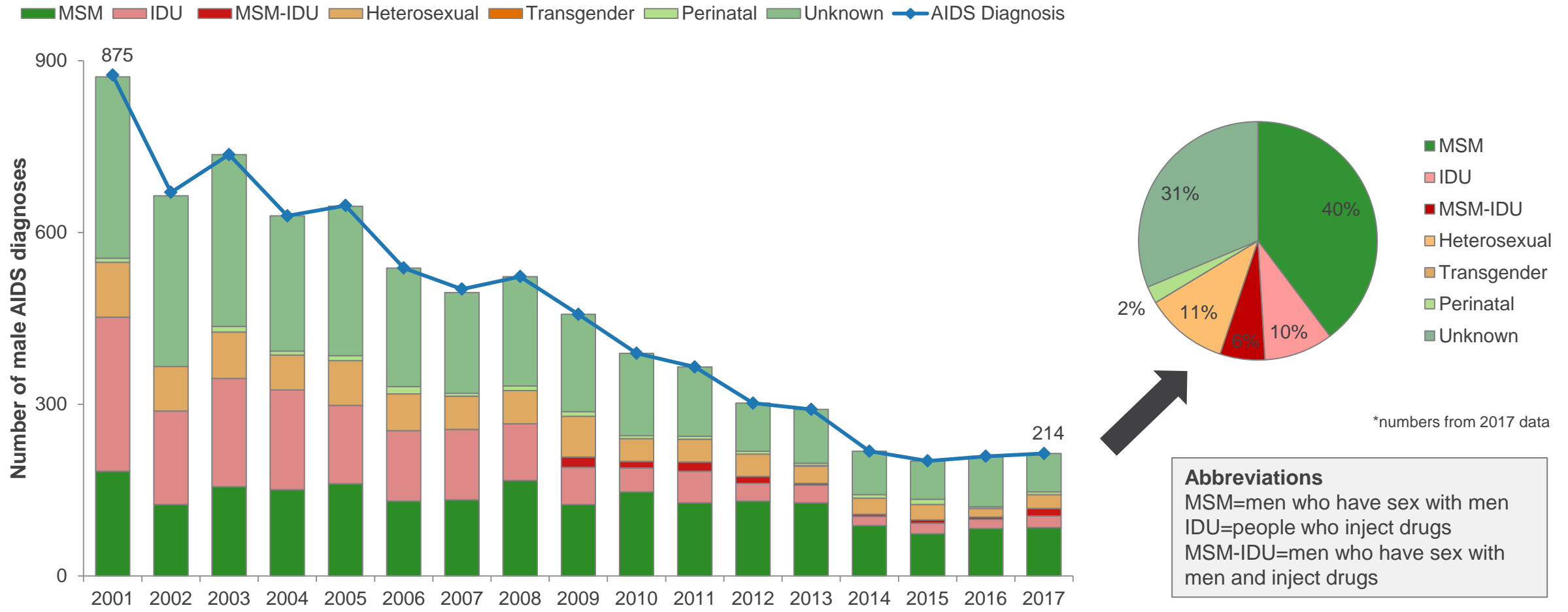
Data source: New York City HIV/AIDS Annual Surveillance Statistics, 2001-2017.

AIDS diagnosis rates pre-2006 are unavailable.

19 For 2016 and 2017, denominators are from American Community Survey. For all other years, denominators are DOHMH

population estimates.

In the Bronx, AIDS diagnoses are highest for men who have sex with men

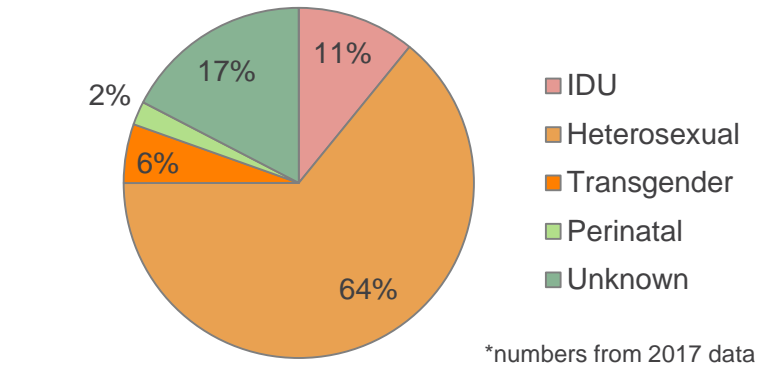
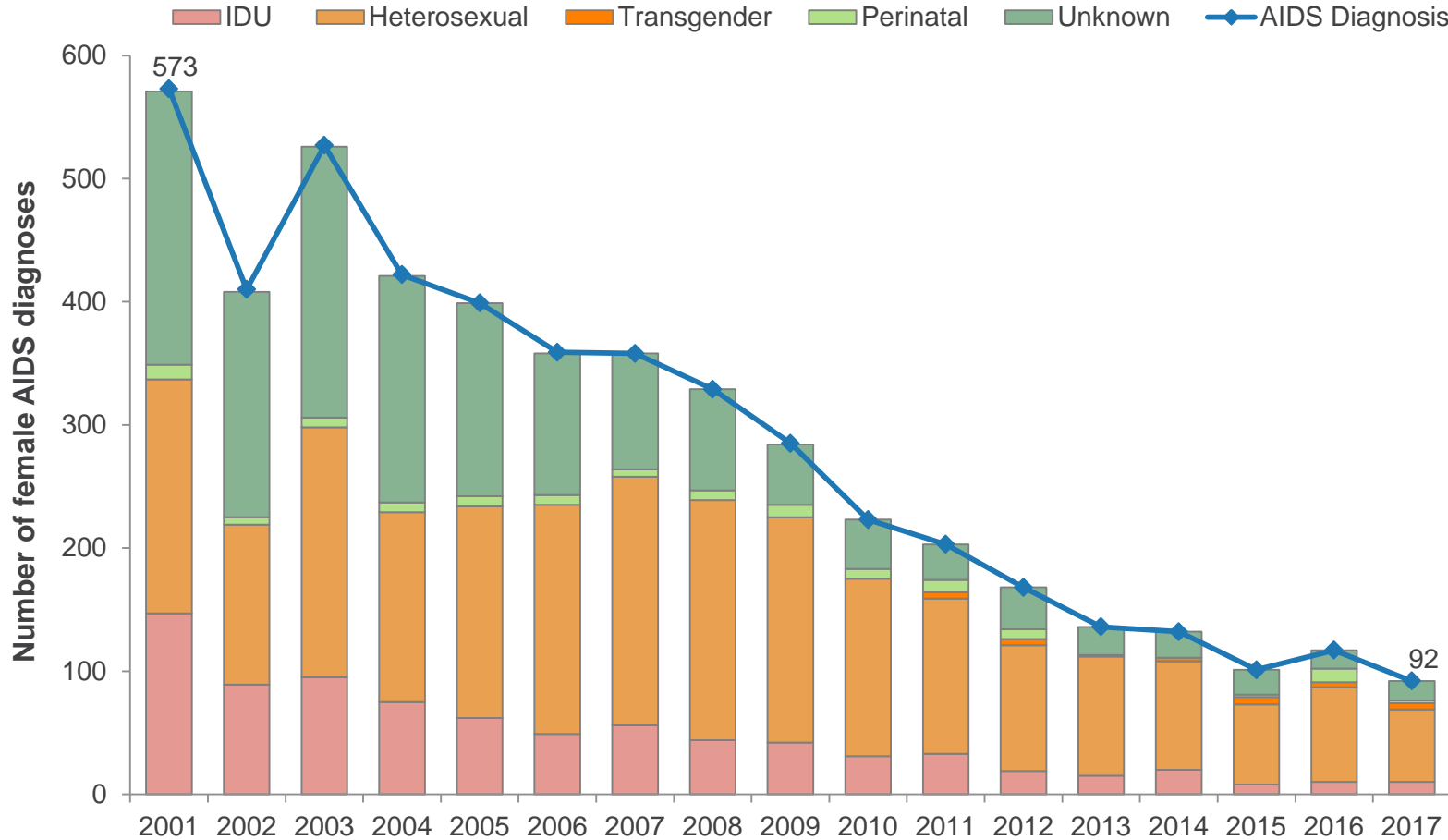


Abbreviations
 MSM=men who have sex with men
 IDU=people who inject drugs
 MSM-IDU=men who have sex with men and inject drugs

*numbers from 2017 data

Data source: New York City HIV/AIDS Annual Surveillance Statistics, 2001-2017.
 MSM-IDU category was not created until 2009; Transgender category was not created until 2011.

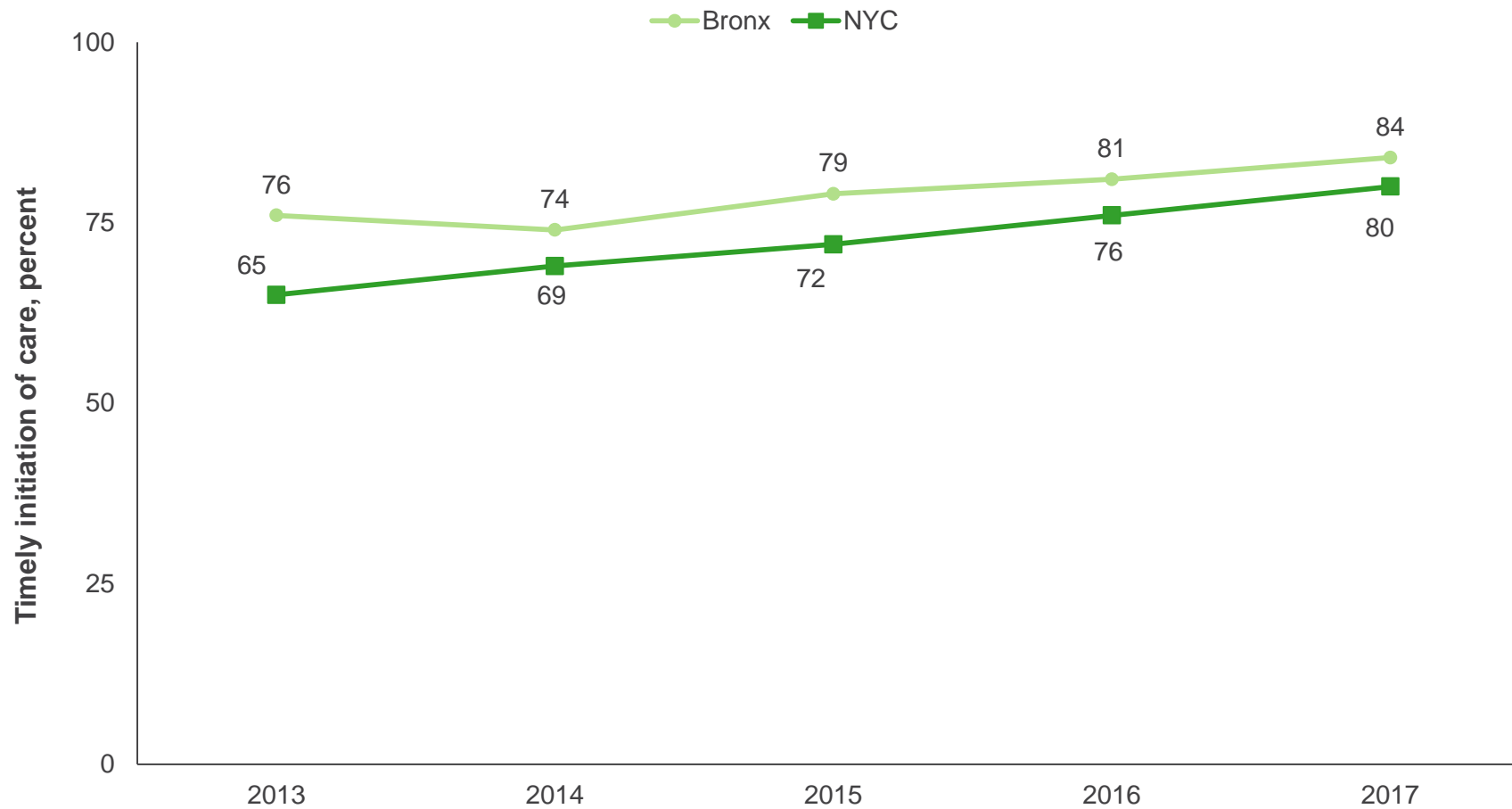
In the Bronx, AIDS diagnoses are highest for females with heterosexual contact



Data source: New York City HIV/AIDS Annual Surveillance Statistics, 2001-2017.
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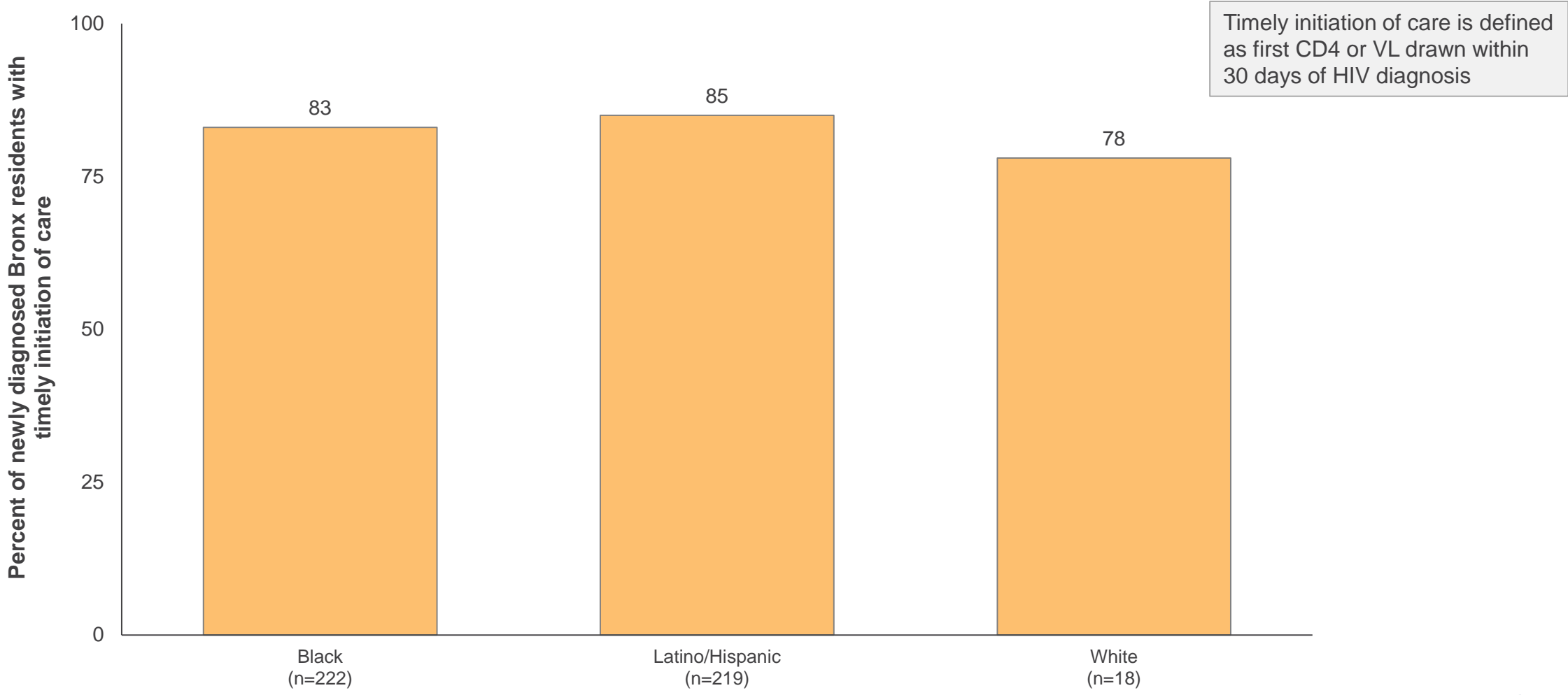
HIV/AIDS Related Care in the Bronx

Timely initiation of care among those newly diagnosed with HIV slightly increased in the Bronx between 2013 and 2017



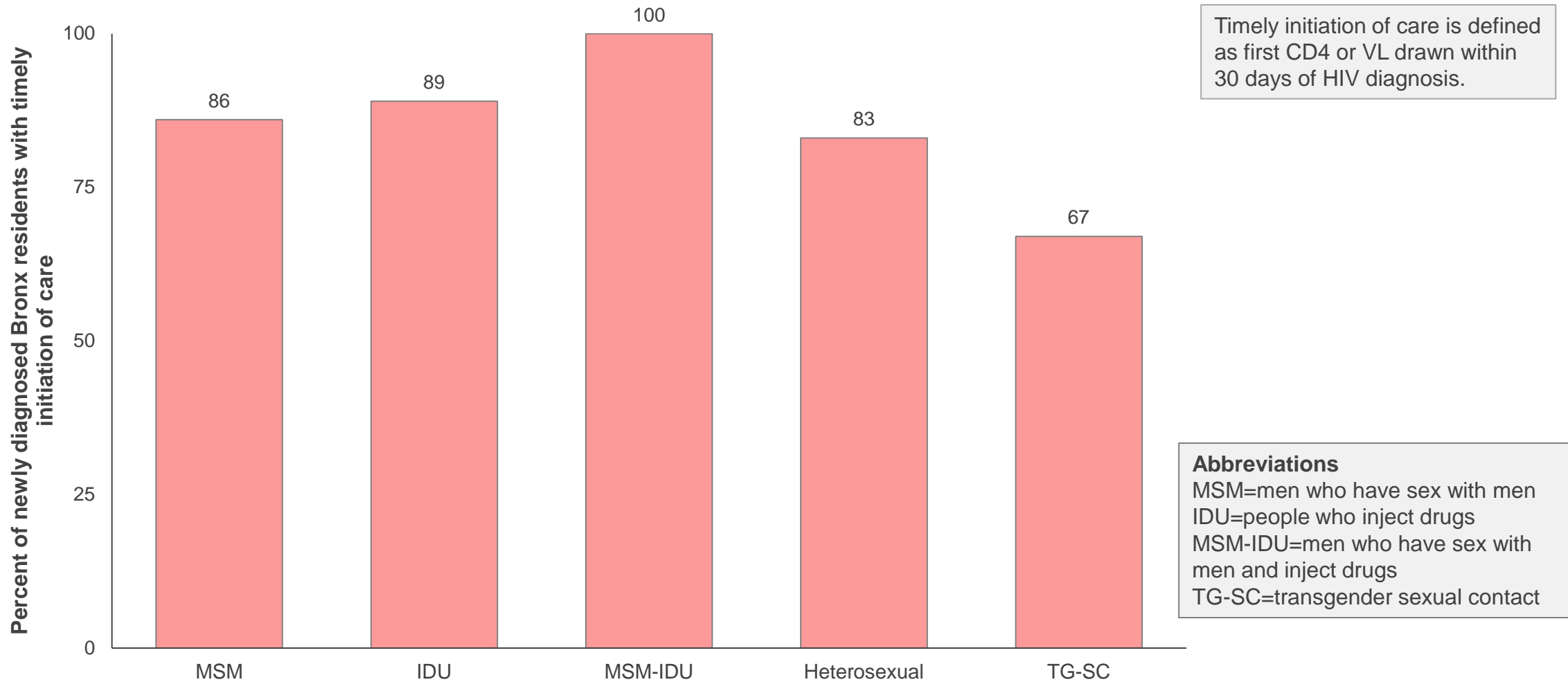
Timely initiation of care is defined as first CD4 or VL drawn within 30 days of HIV diagnosis

Among Bronx residents newly diagnosed with HIV in 2017, Hispanic residents were most likely to have timely initiation of care



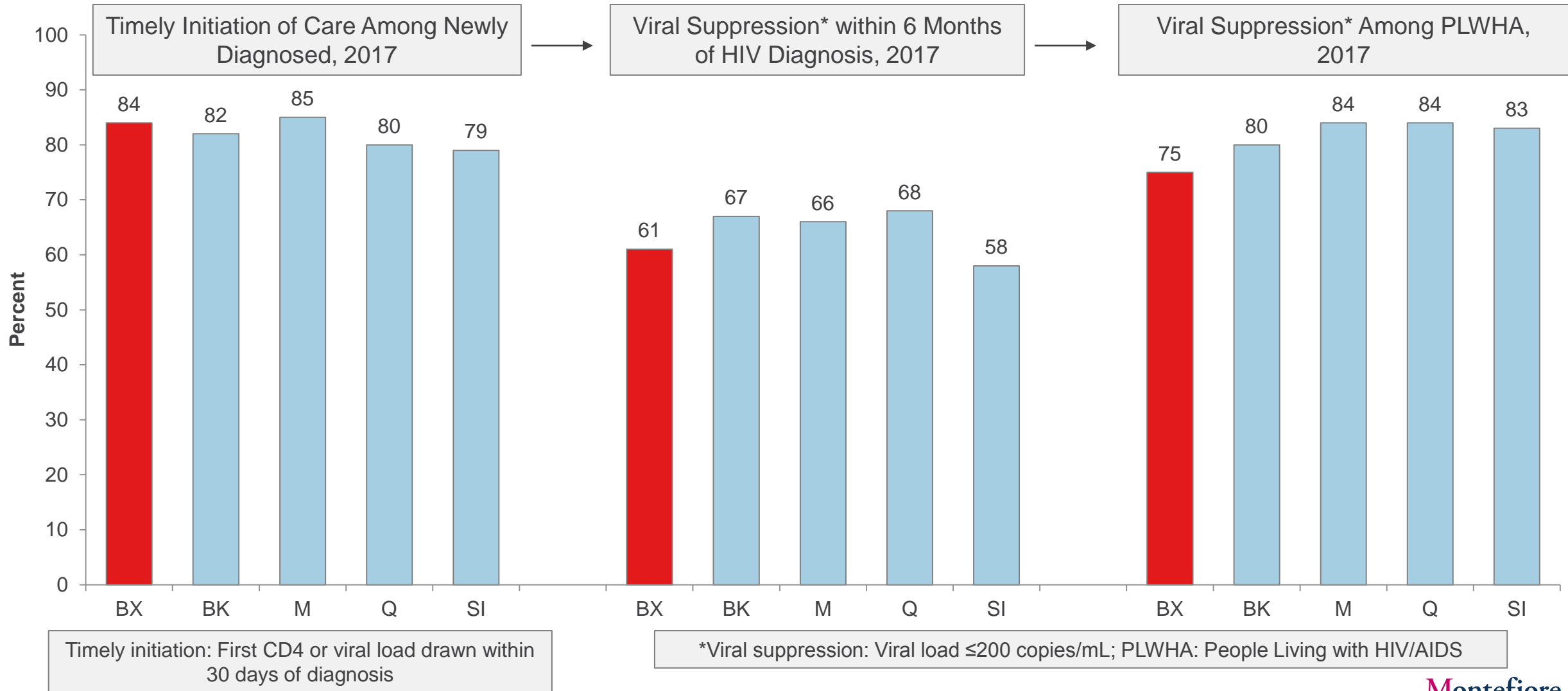
Data source: HIV/AIDS in the Bronx, New York City, 2017. As reported to the New York City Department of Health and Mental Hygiene by March 31, 2018.

Among Bronx residents newly diagnosed with HIV in 2017, MSM-IDU were most likely to have timely initiation of care



Data source: HIV/AIDS in the Bronx, New York City, 2017.
As reported to the New York City Department of Health and Mental Hygiene by March 31, 2018.

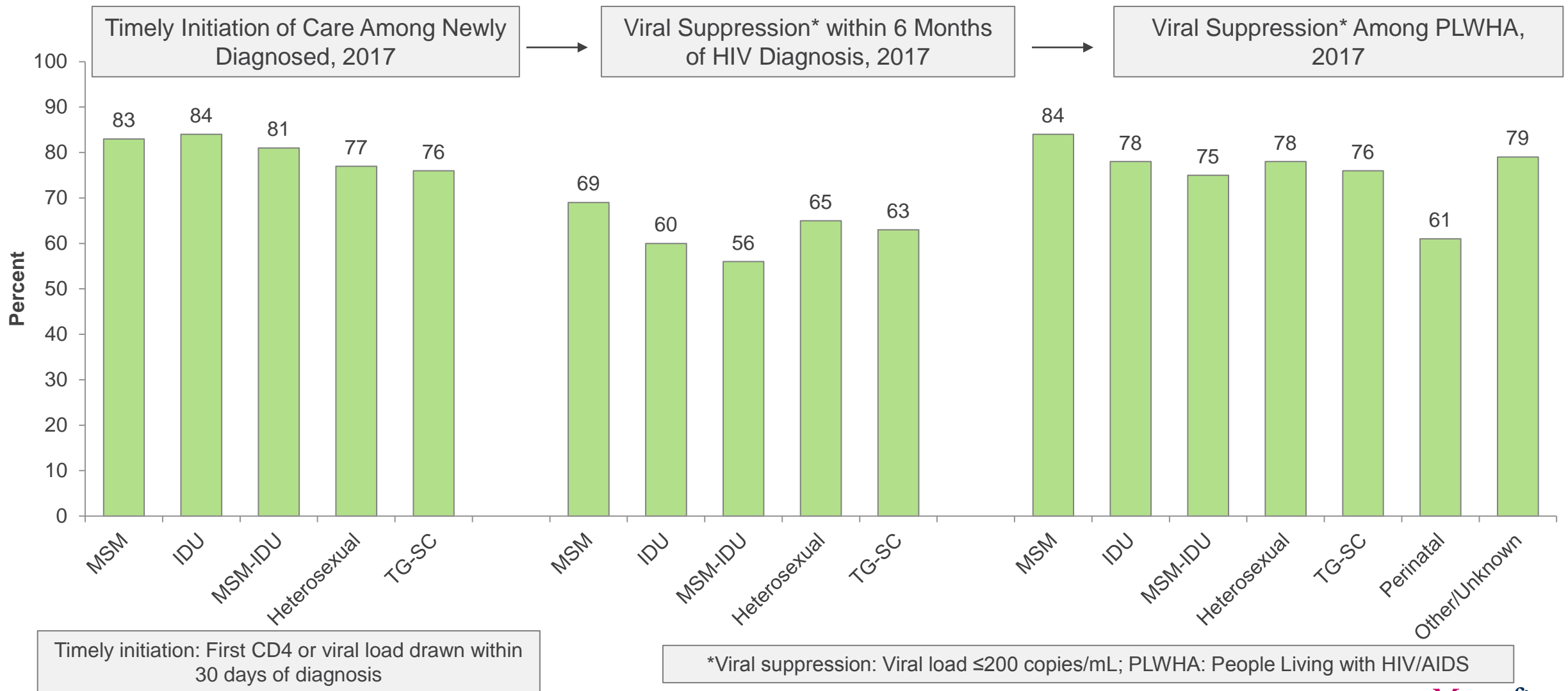
Newly diagnosed Bronx residents are equally likely to initiate care, but somewhat less likely to have viral suppression, 2017



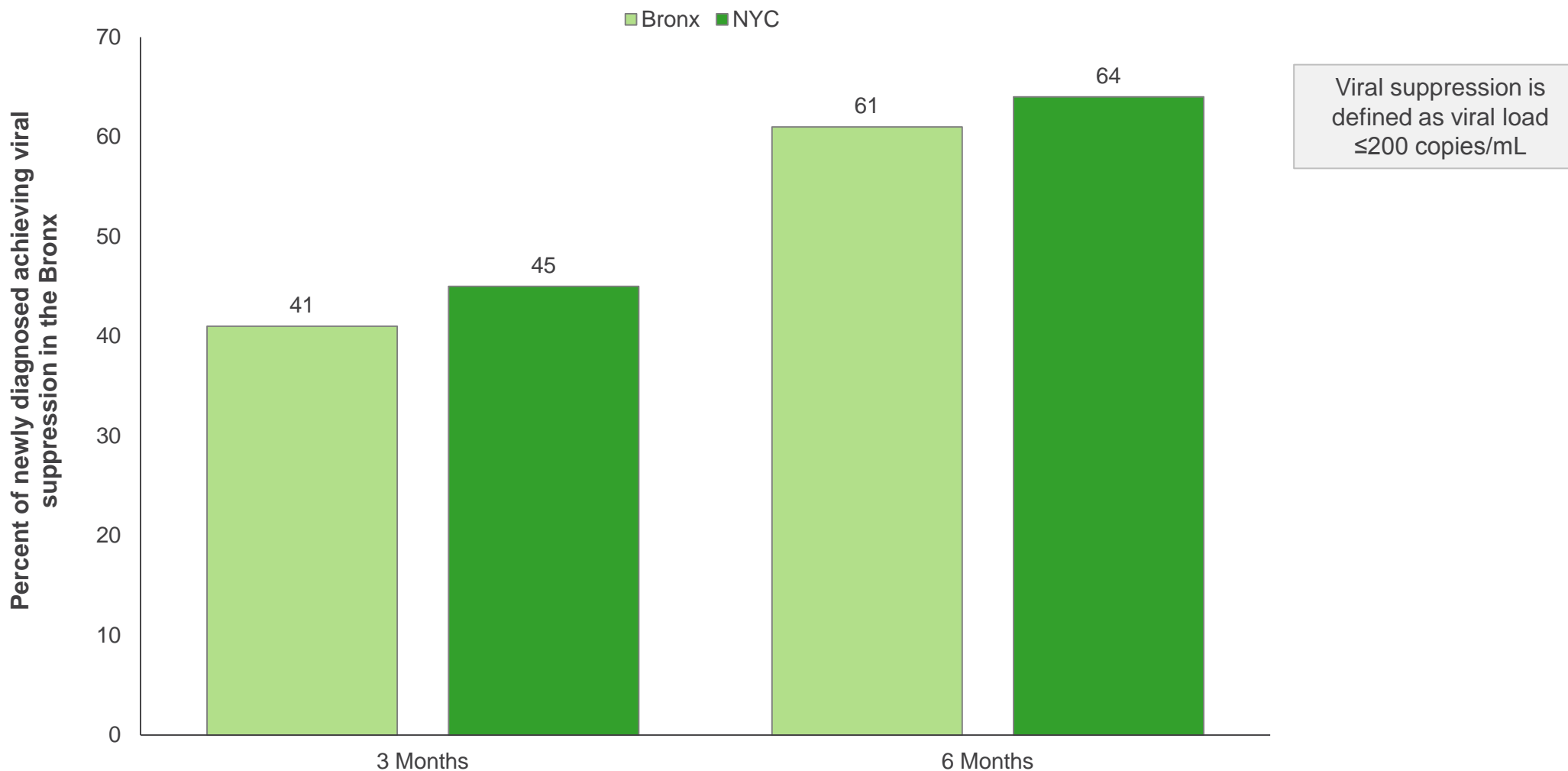
Data source: HIV/AIDS in the Bronx, New York City, 2017.

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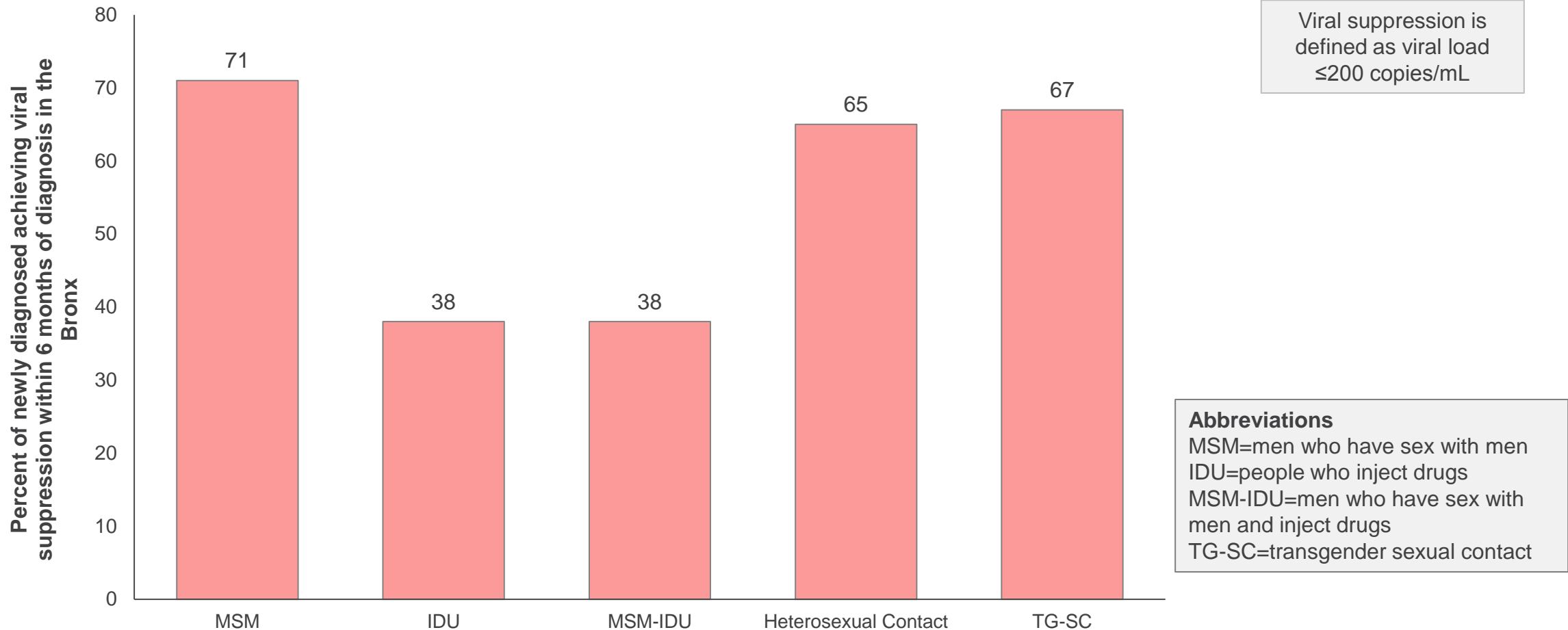
HIV/AIDS related care by risk category for all of New York City, 2017



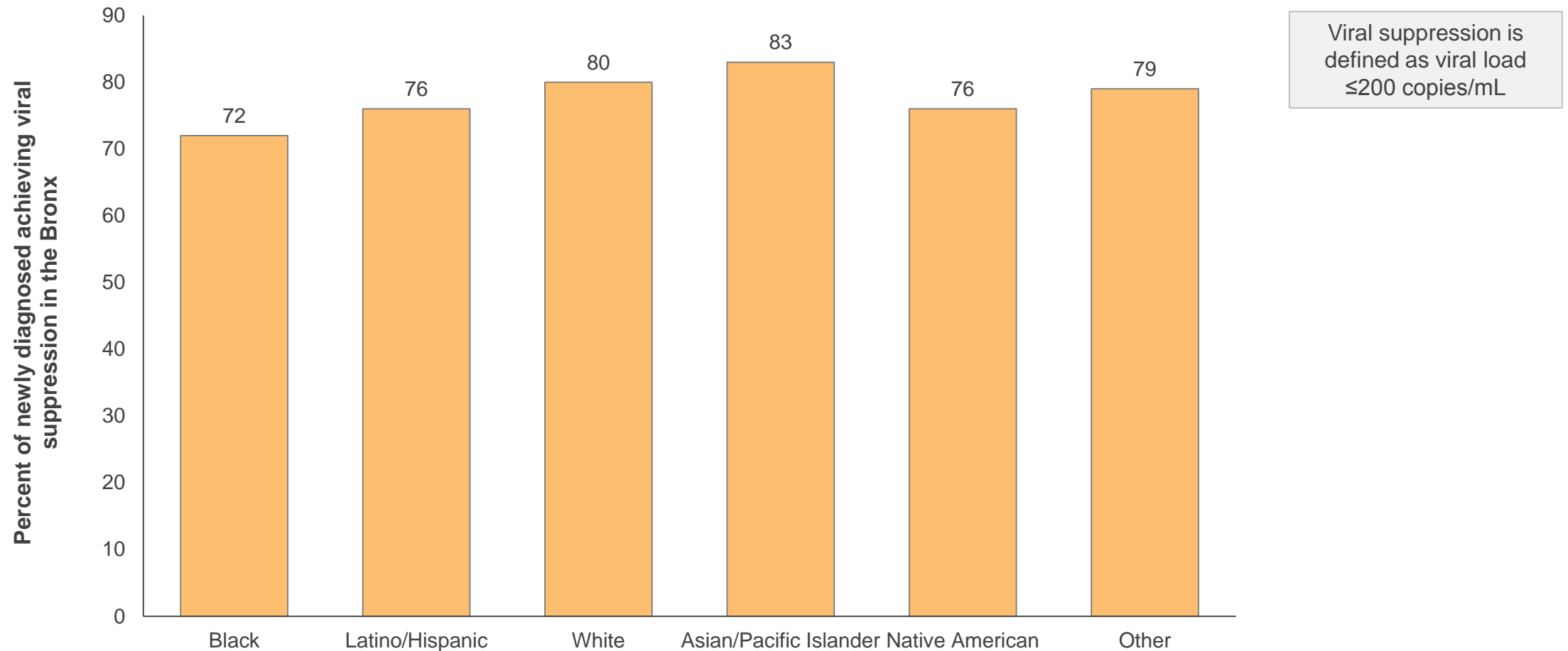
Among Bronx residents newly diagnosed with HIV, 41% achieved viral suppression within 3 months and 61% within 6 months



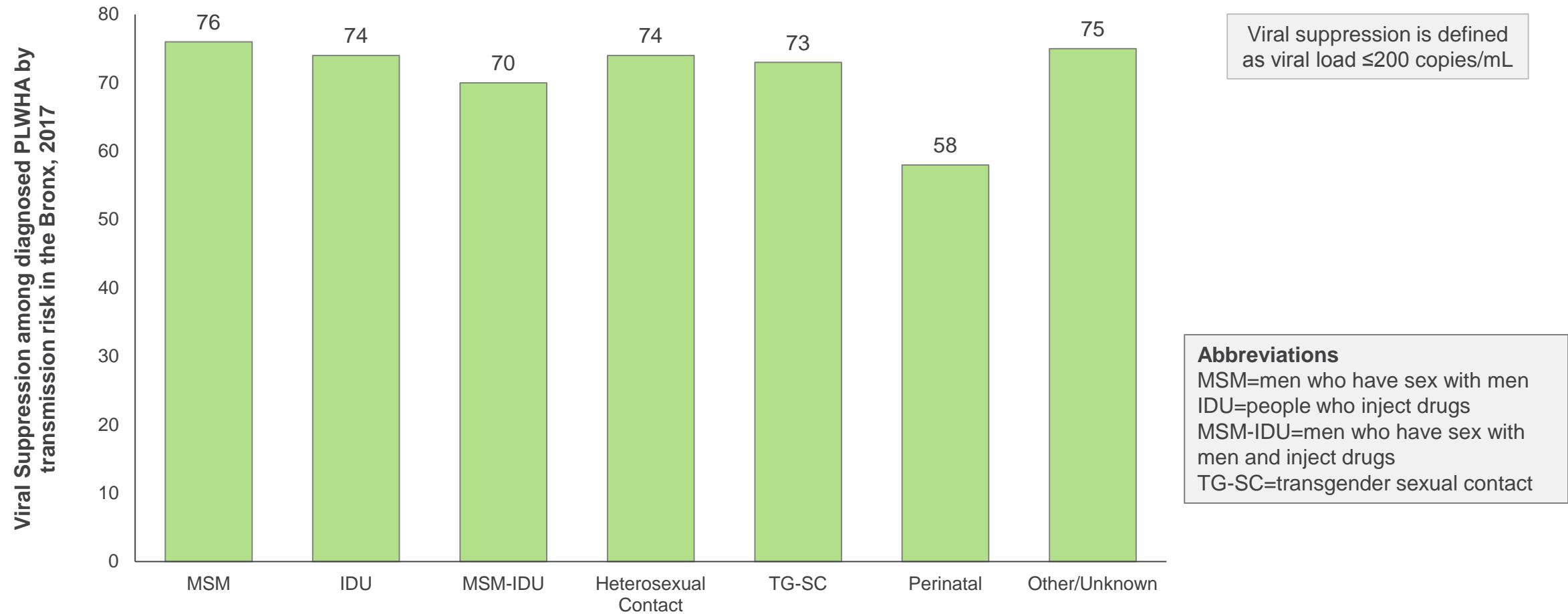
Among people newly diagnosed with HIV in the Bronx, MSM were most likely to achieve viral suppression within 6 months



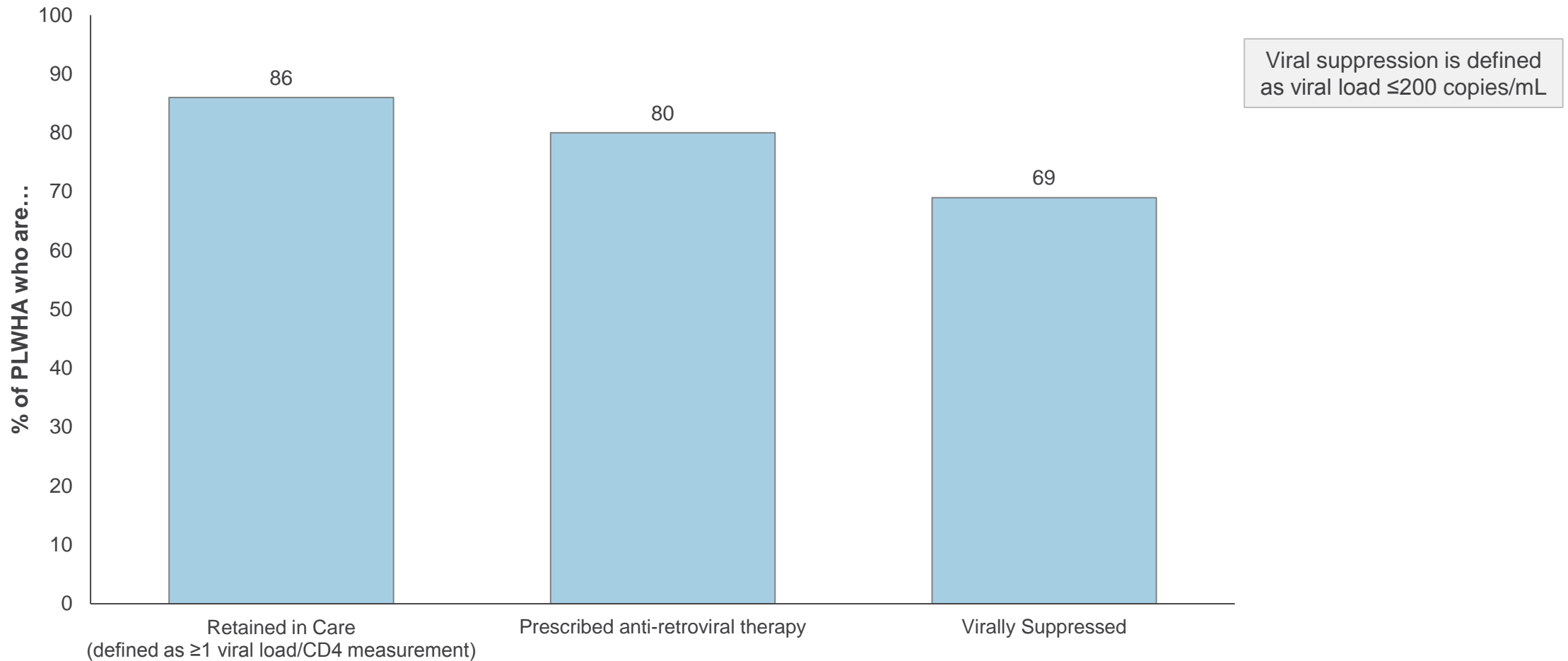
Among diagnosed PLWHA in the Bronx, non-Hispanic black residents had the lowest viral suppression proportion



Among diagnosed PLWHA in NYC, people with perinatal transmission risk had the lowest viral suppression proportion



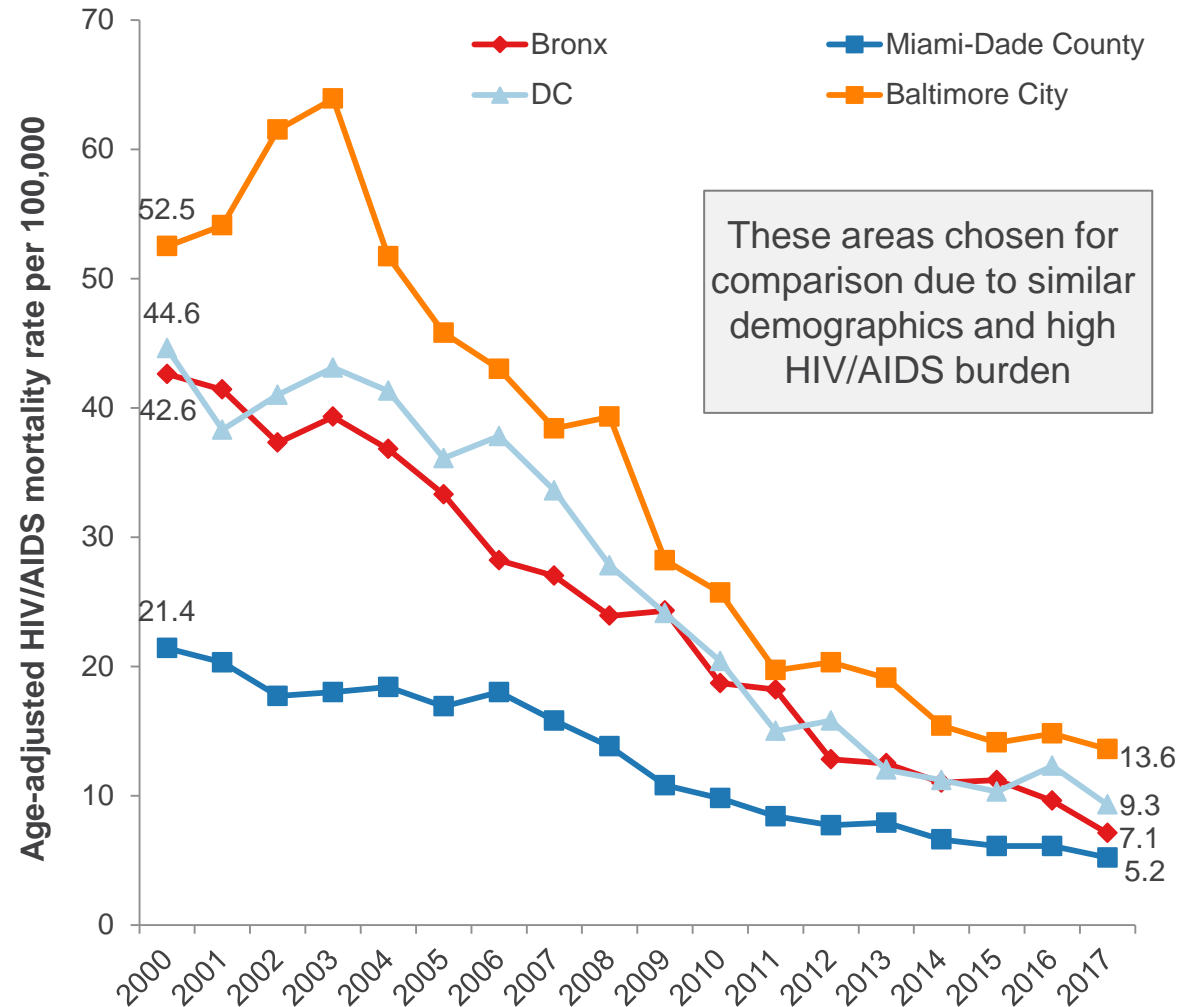
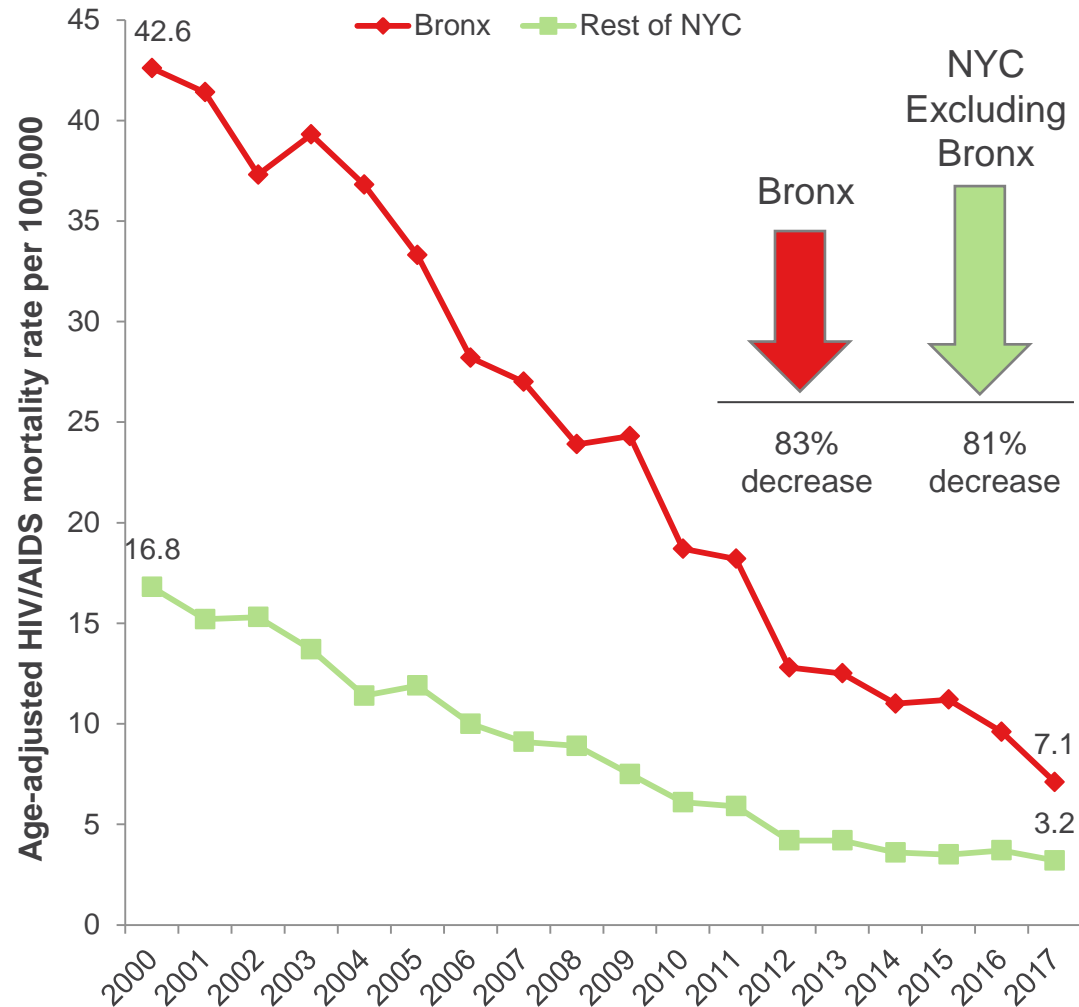
Of approximately 25,300 PLWHA in the Bronx in 2017, 69% had a suppressed viral load



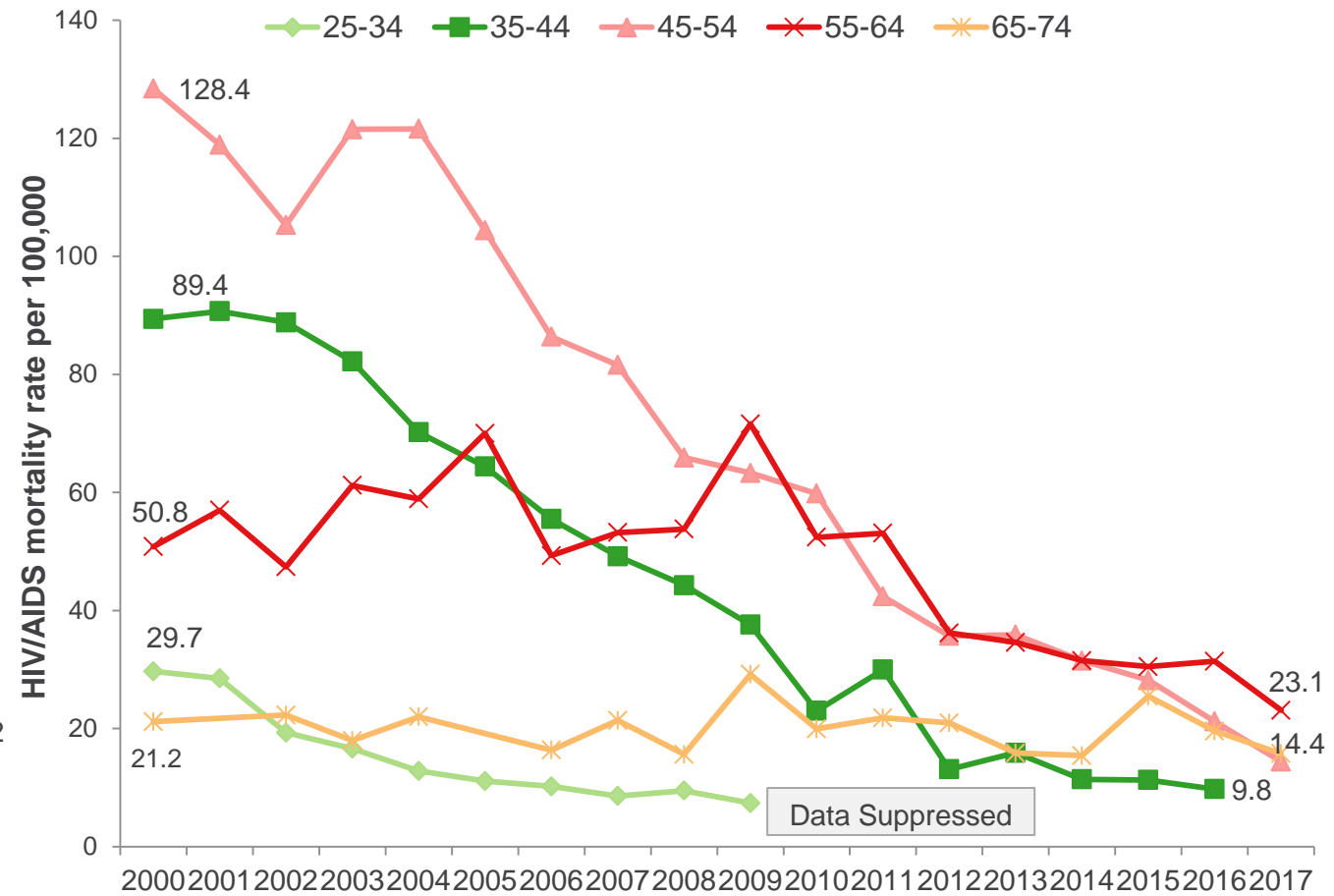
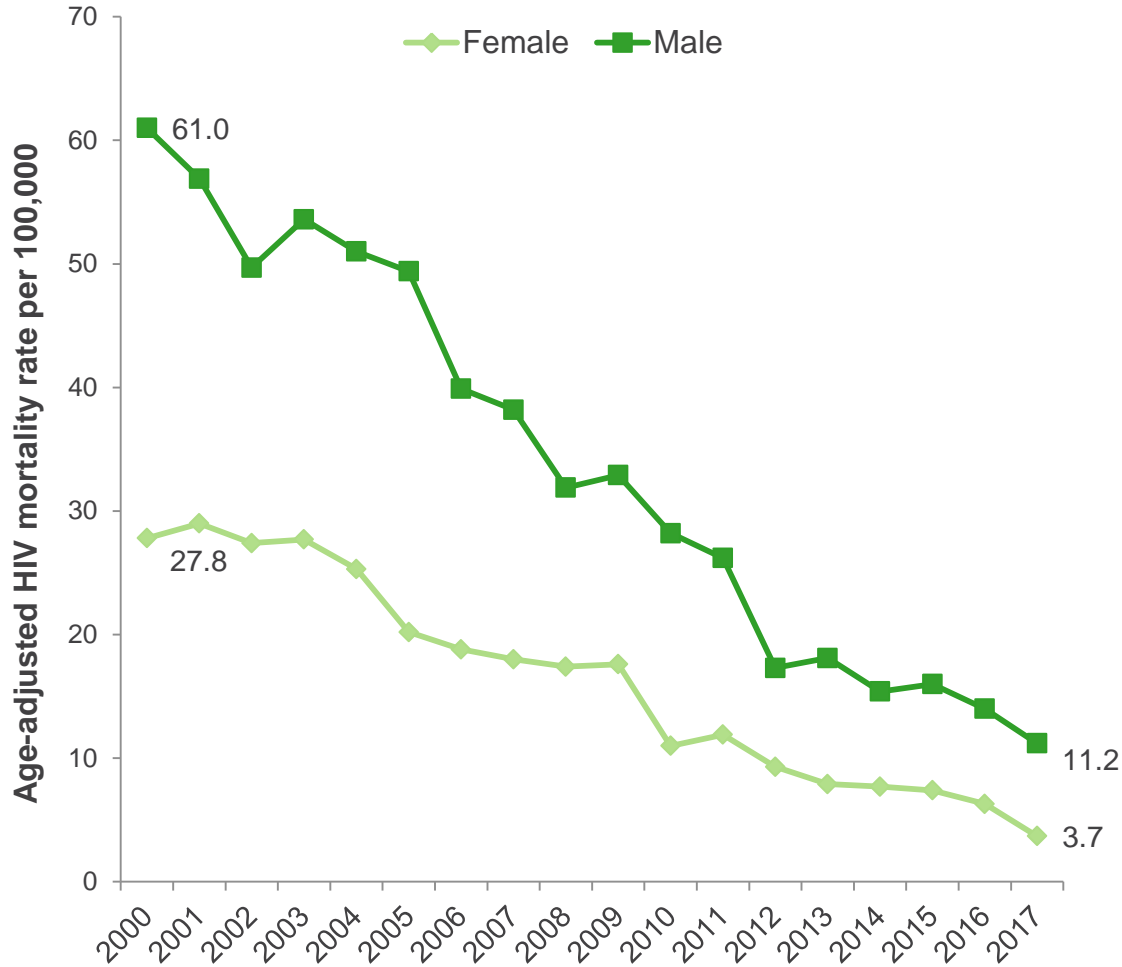
HIV/AIDS Mortality in the Bronx

HIV mortality rates have fallen over 4-fold since 2000

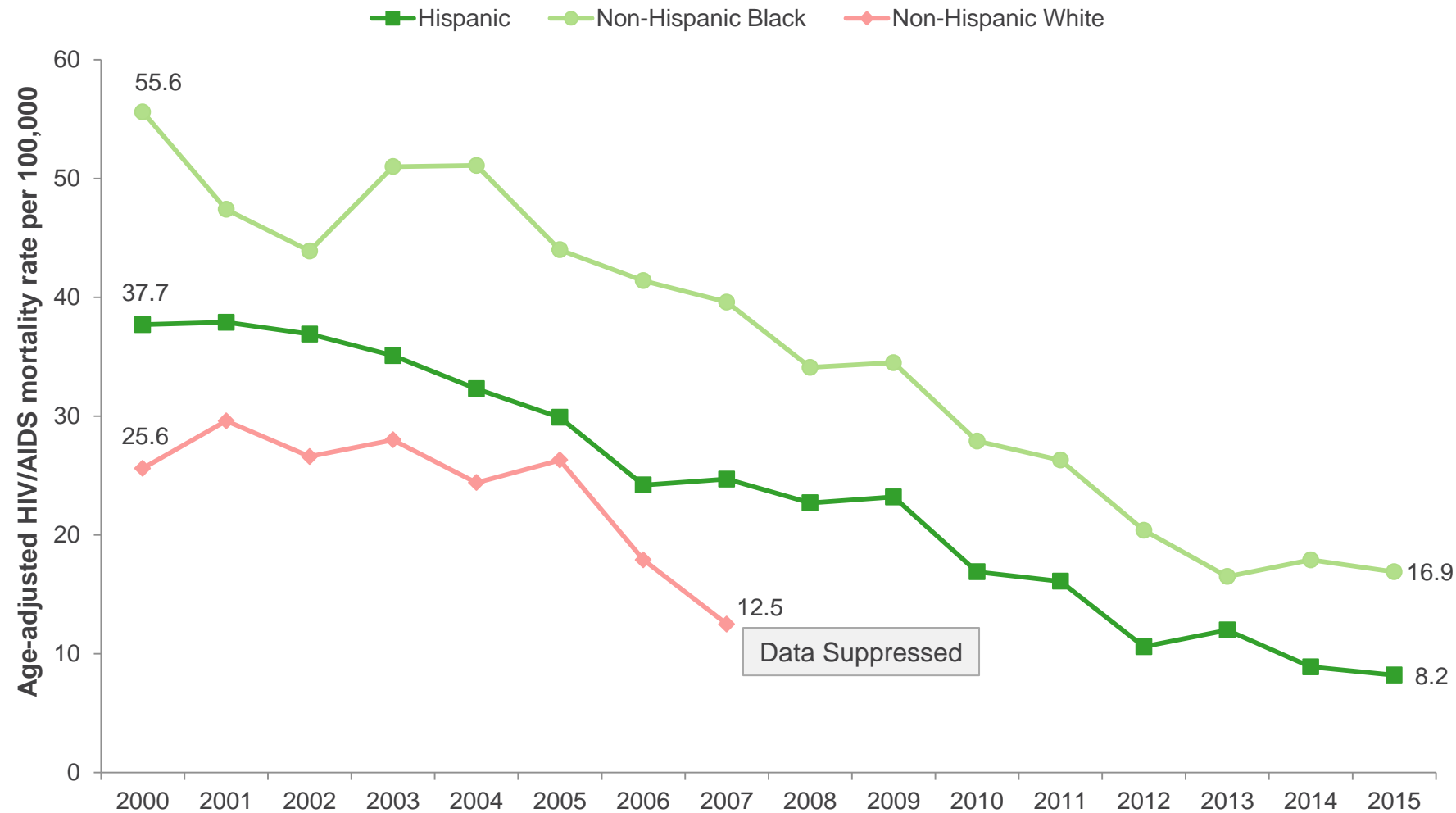
Bronx -- 2000: 3rd leading cause of death | 2017: 12th leading cause of death



Males and 45-64 year olds have highest rates of HIV mortality in the Bronx

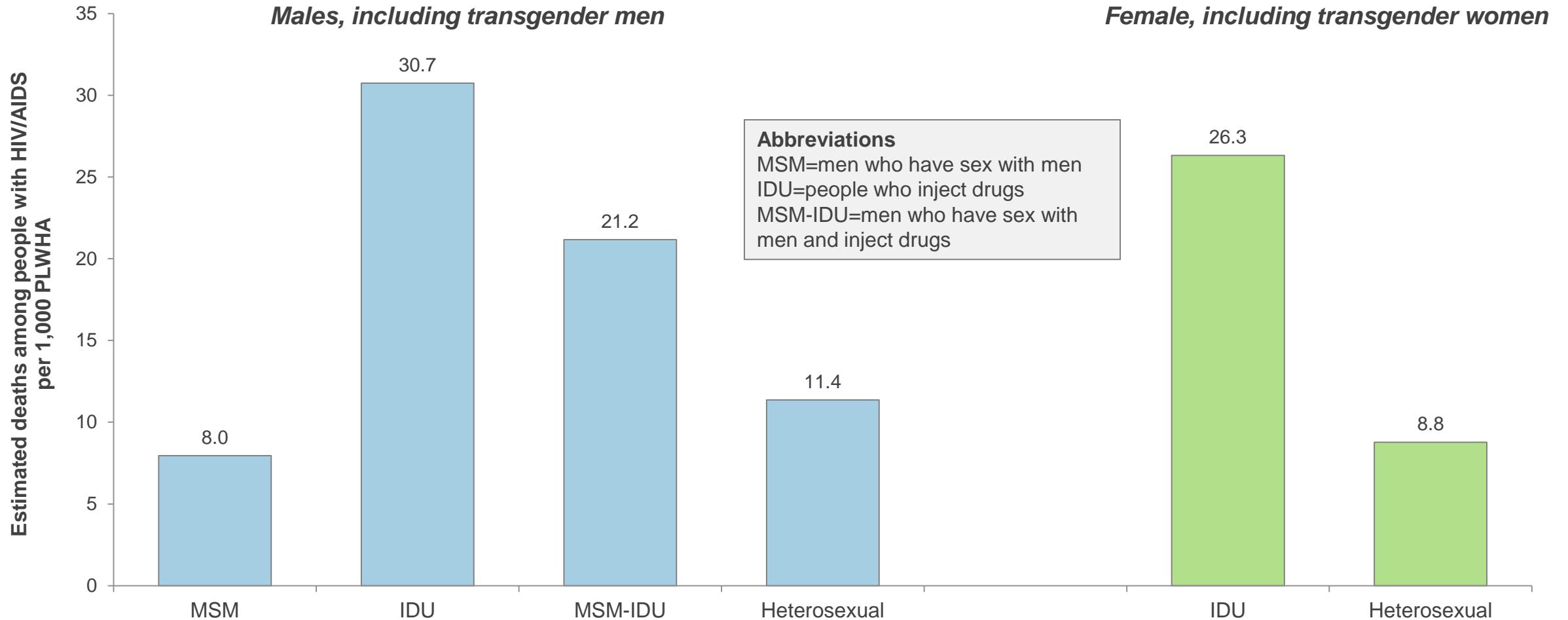


HIV/AIDS mortality rates are highest for the non-Hispanic black population in the Bronx



There are dramatic disparities in all-cause mortality among people living HIV/AIDS in the Bronx

Note: Different analysis approach from previous slides.



Data source: Calculated from NYC HIV/AIDS Annual Surveillance Statistics, 2016-17.
All-cause mortality can include any cause of death, not necessarily HIV/AIDS.

About the Community Health Dashboard Project

- The goal of the project is to provide Bronx-specific data on risk factors and health outcomes with an emphasis on presenting data on trends, socio-demographic differences (e.g., by age, sex, race/ethnicity, etc.) and sub-county/neighborhood level data
- Data will be periodically updated as new data becomes available.
- Produced by Montefiore's Office of Community & Population Health using publicly-available data sources
- For more information please contact us at OCPHDept@montefiore.org