



Massachusetts Department of Public Health
Bureau of Infectious Disease and Laboratory Sciences

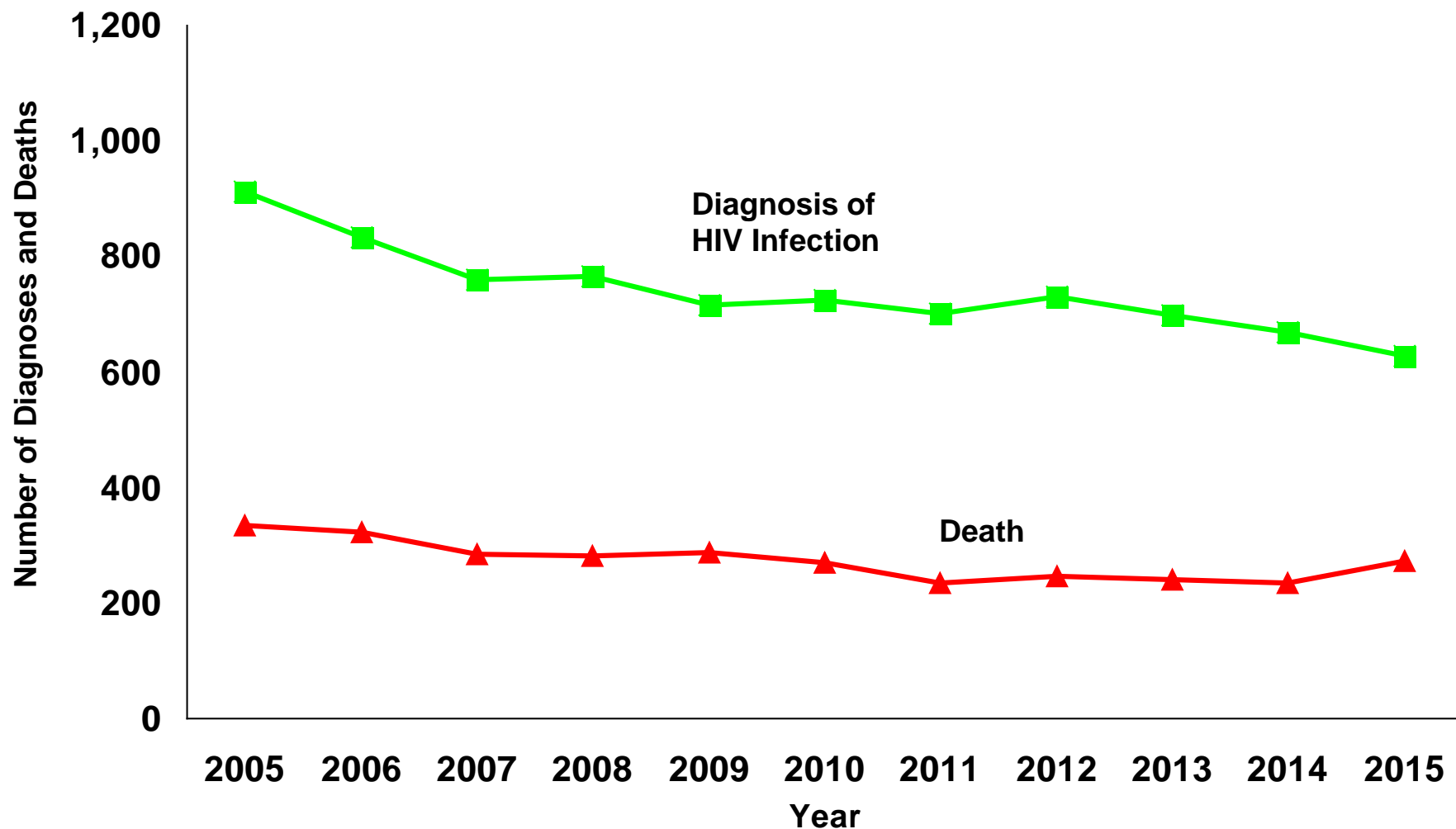
HIV/AIDS Epidemiology in Massachusetts

Betsey John, MPH

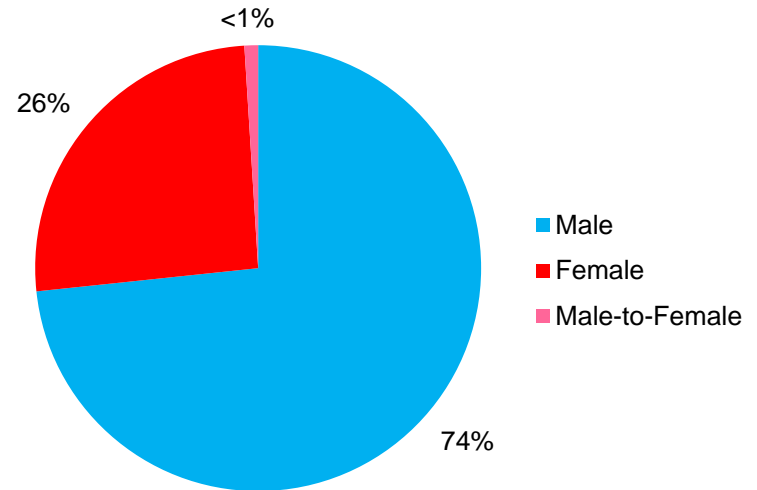
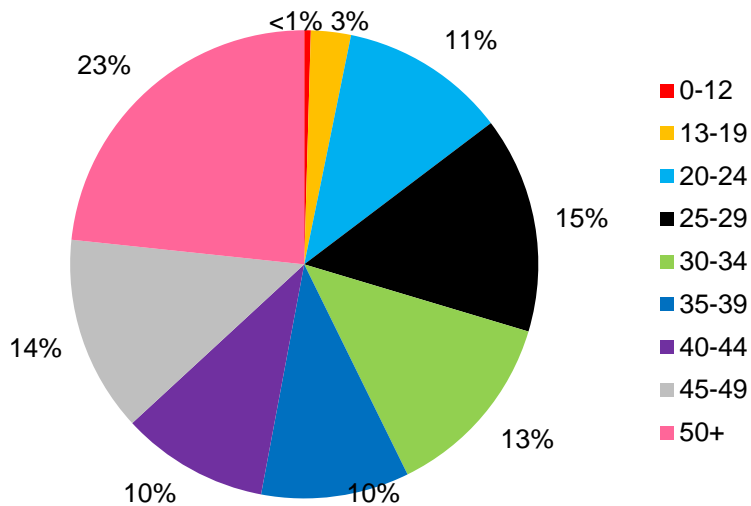
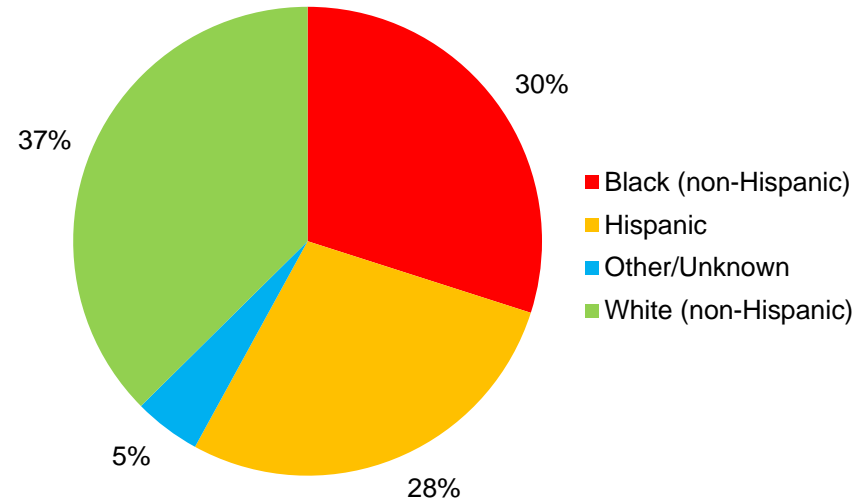
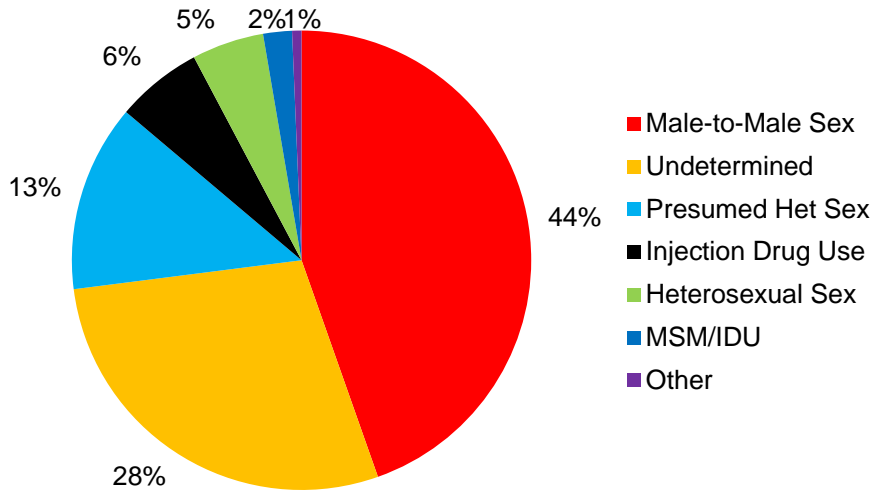
Director, HIV & STD Surveillance

May 25, 2017

Trends in HIV Infection and Death among People Reported with HIV/AIDS by Year: Massachusetts, 2005–2015

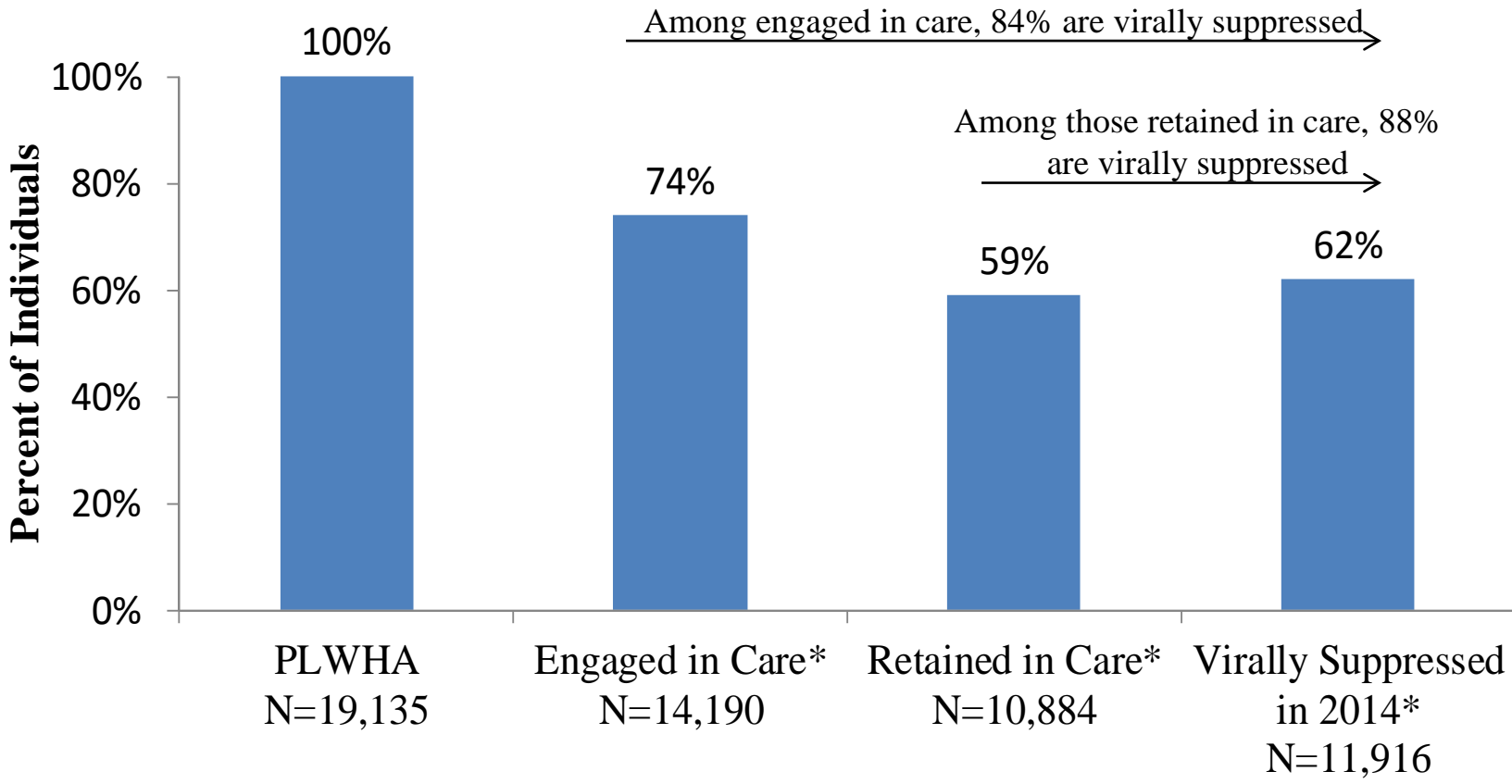


People Diagnosed with HIV Infection, Massachusetts, 2013–2015



N=1,994

Stages of HIV Care Among People Living with HIV/AIDS in Massachusetts¹

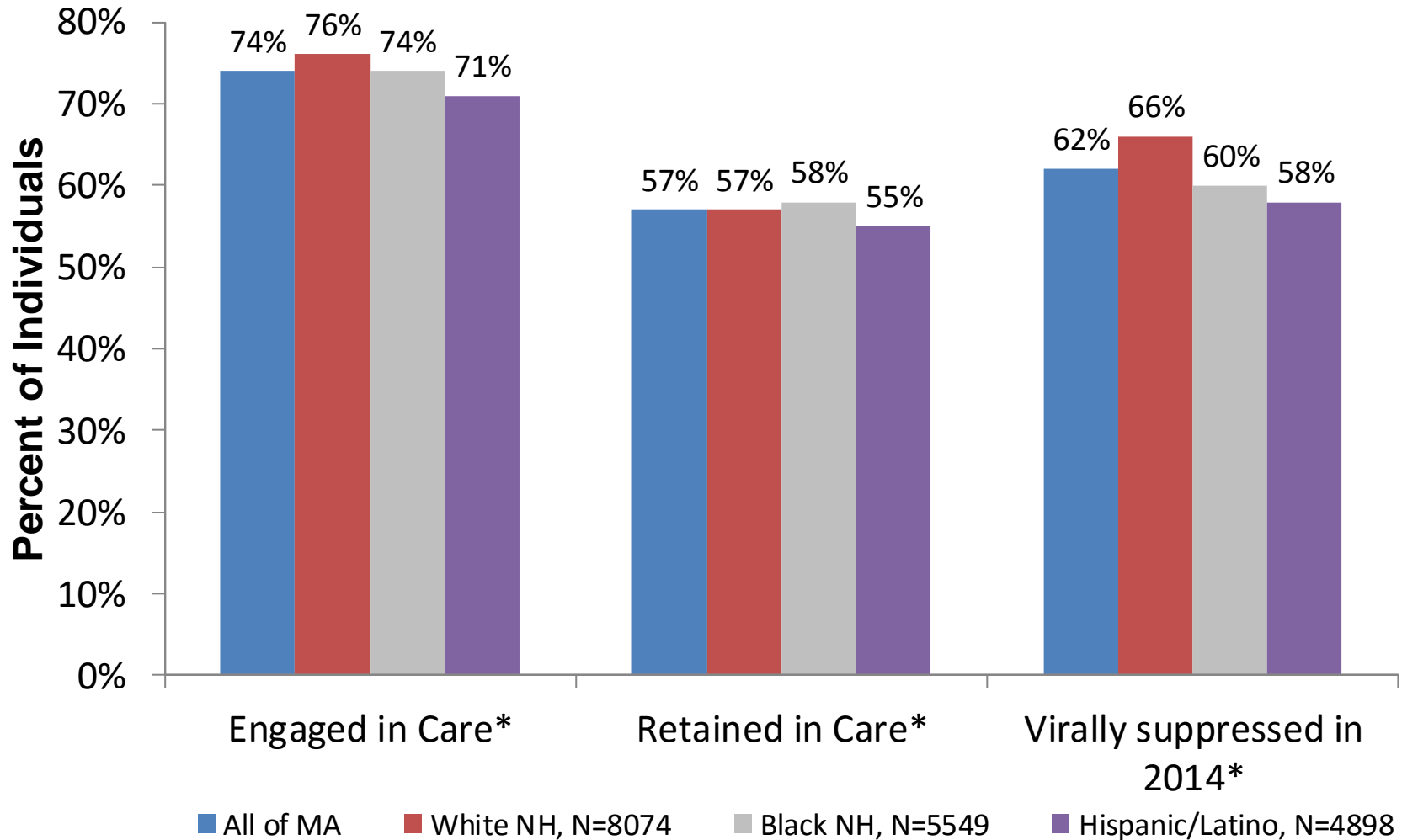


* Lab received by MDPH

¹ Includes individuals diagnosed through 2014 and living in MA as of 1/1/16, based on last known address, regardless of state of diagnosis

• Data Source: MDPH HIV/AIDS Surveillance Program, cases reported through 1/1/17

Care Continuum for PLWHA in Massachusetts¹ – by Race/Ethnicity

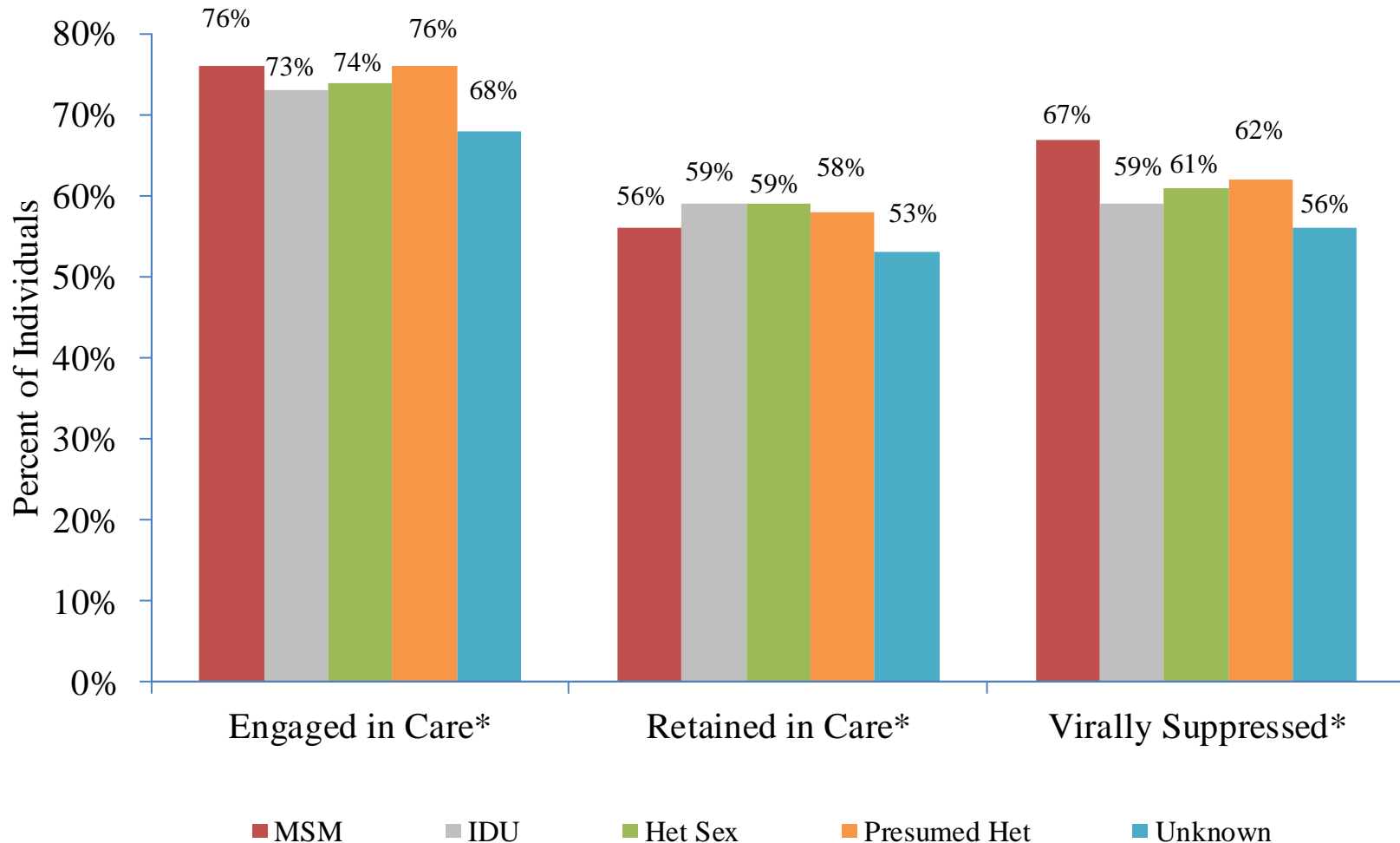


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¹ Includes individuals diagnosed through 2013 and living in MA as of 1/1/16, based on last known address, regardless of state of diagnosis

• Data Source: MDPH HIV/AIDS Surveillance Program, cases reported through 1/1/17, NH=non-Hispanic

Care Continuum for PLWHA by Mode of Exposure: Massachusetts¹

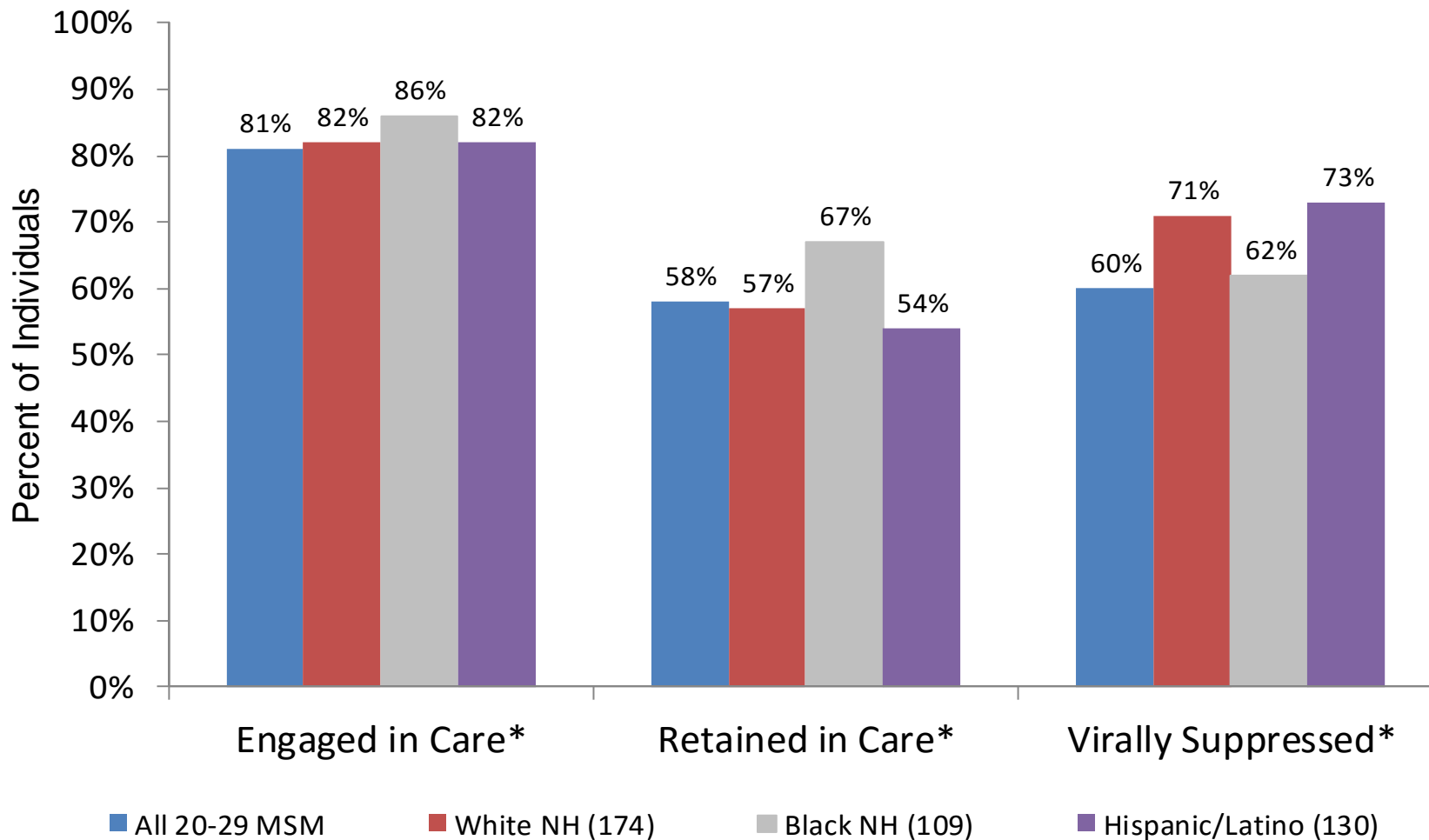


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• Data Source: MDPH HIV/AIDS Surveillance Program, data reported through 1/1/17.

Care Continuum for MSM Aged 20 to 29 Years by Race/Ethnicity: Massachusetts¹

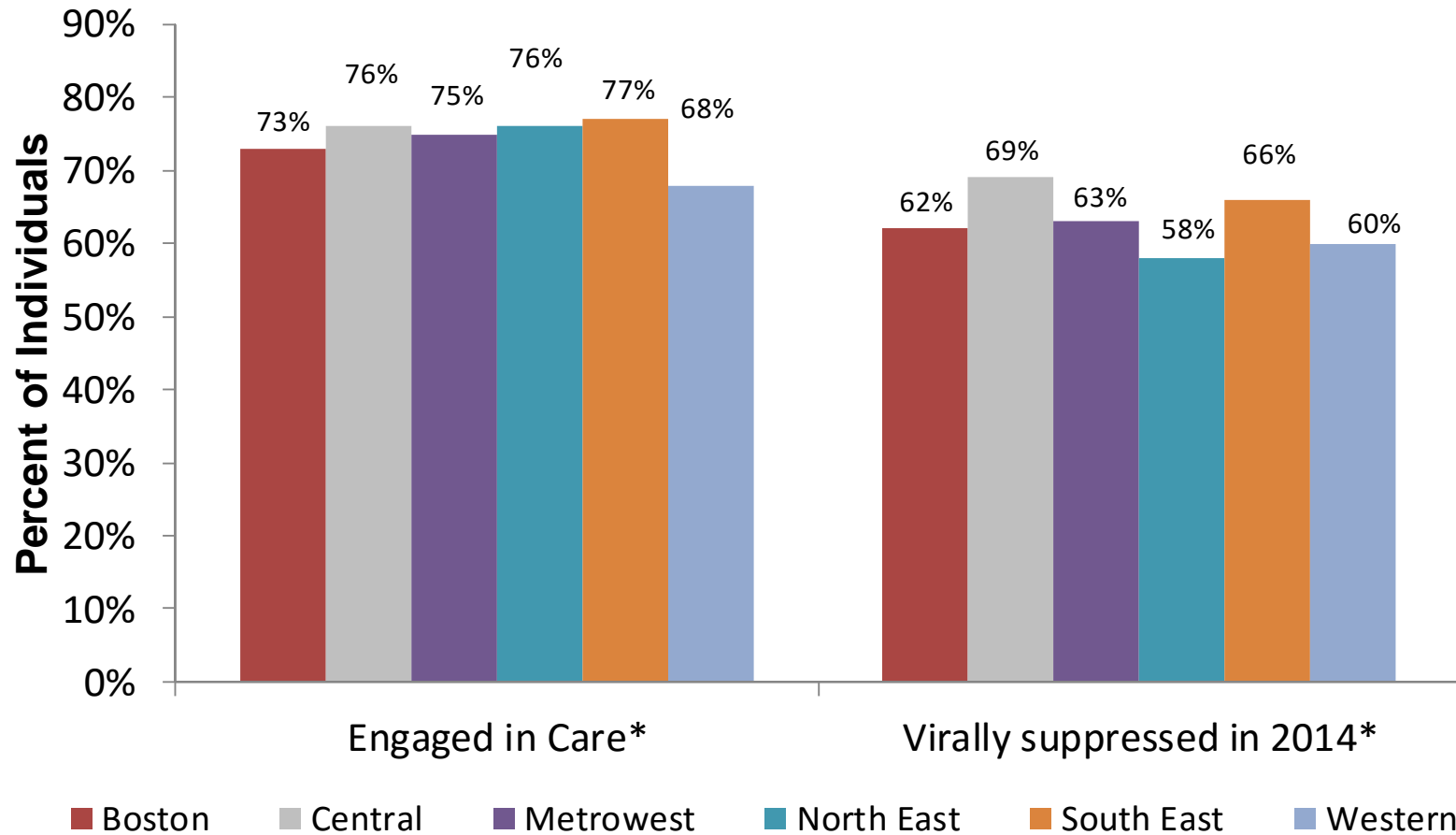


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• Data Source: MDPH HIV/AIDS Surveillance Program, data reported through 1/1/17.

Care Continuum for PLWHA by Health Service Region (HSR): Massachusetts¹



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• Data Source: MDPH HIV/AIDS Surveillance Program, data reported through 1/1/17.

Data to Care

- Strategic Peer-Enhanced Care and Treatment Retention Model (SPECTRuM)
 - Nurse/Peer Enhanced medical case management
 - Surveillance out of care line list
- P4C and CoRECT
 - Surveillance driven out of care line list
 - Health department initiated re-engagement

Getting to Zero in MA

- MA State Plan- 2021 Goals
 - Reduce new HIV infections among MSM by 30%
 - Eliminate new HIV infections among PWID
 - 90% of newly diagnosed HIV+ individuals will be successfully linked to care within 45 days of the date of diagnosis
 - Improve HIV Care Continuum outcomes to 90/90/90 (90% diagnosed; 90% retained in care; and 90% of PLWH virally suppressed)
 - By 2021, eliminate progression to AIDS among PLWH
- Integrated HIV/HCV/STI screening at publically funded sites
- PrEP demonstration project
- Getting to Zero Coalition- AIDS Action Committee
 - <http://www.gettingtozeroma.org/>

Research Questions

- How can we understand better the racial disparities among people living with HIV/AIDS?
- What changes are we seeing in terms of HIV diagnosis trends in PWID (IDU attributed)?
- What impact does PrEP utilization have on STD testing?
- How can Field Epi's be deployed to maximize linkage and reengagement in HIV care - which models work best?