



# **HIV Mortality 2020**

**Center for HIV Surveillance, Epidemiology and Evaluation  
Prevention and Health Promotion Administration  
Maryland Department of Health**

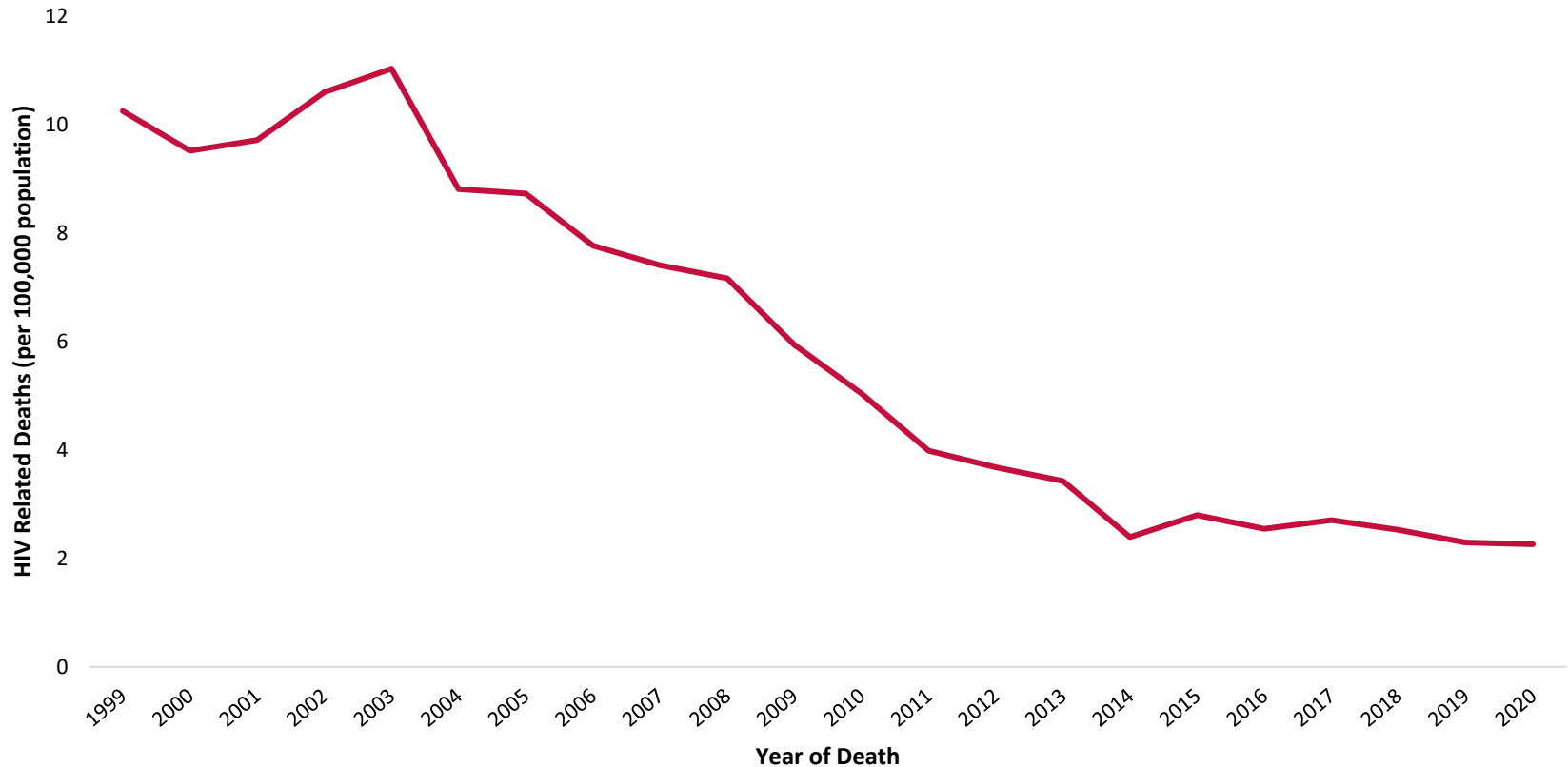
March 8<sup>th</sup>, 2023

# Analysis Terminology

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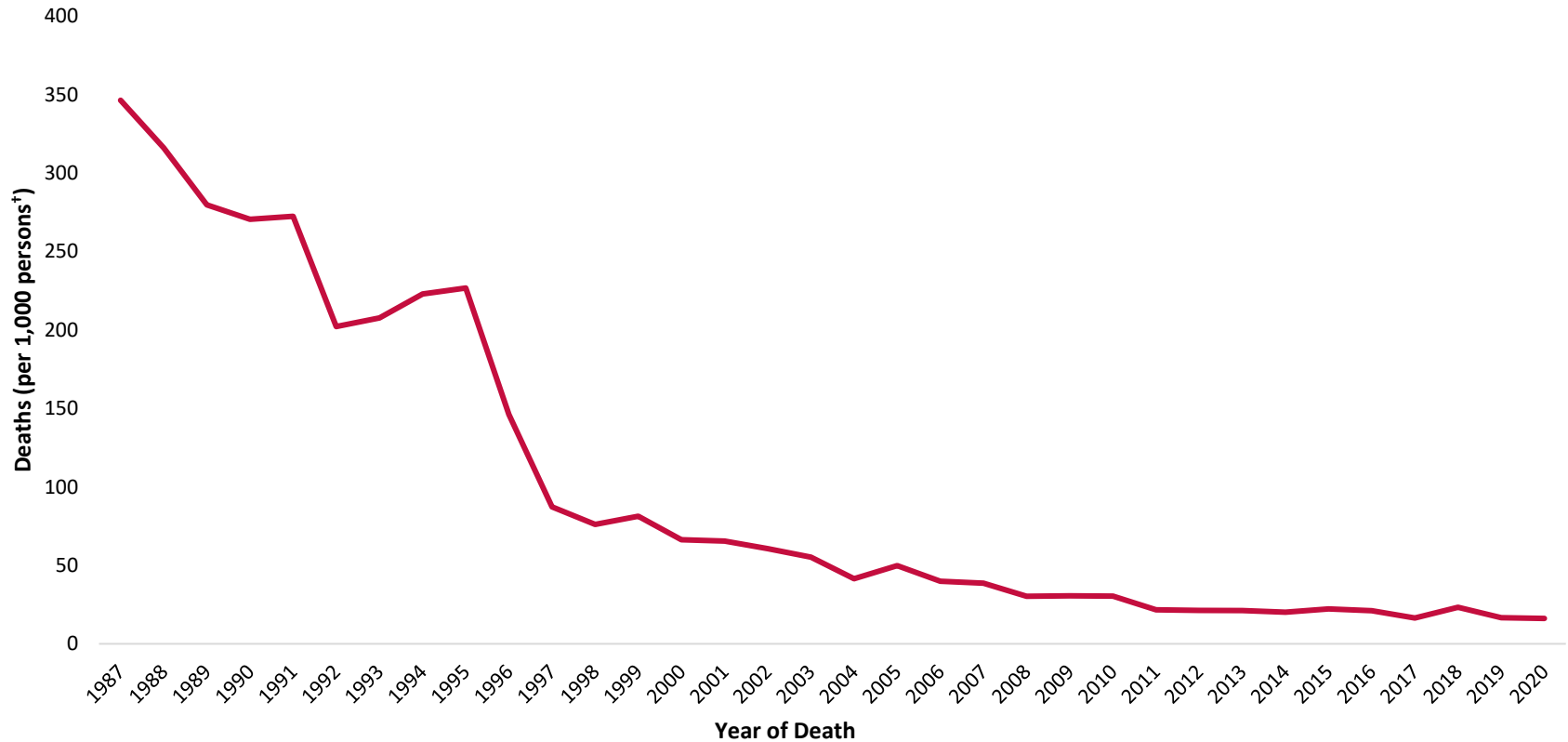
- Deaths with HIV as the Underlying Cause: The number of HIV related deaths among persons with HIV.
- Age Adjusted Death Rate: Based on the age-specific death rate per 100,000 population in a specified group and computed by using the standard population age distribution of the total population of the United States for the year 2000.
- Mortality Rate Ratio: A comparison of the mortality rates between two groups. A rate ratio of 1.0 indicates equal rates between groups.

# Trends in Annual Age-Adjusted\* Rates of Death with HIV Disease as the Underlying Cause, 1999-2020, Maryland



\*Standard: age distribution of 2000 US population.

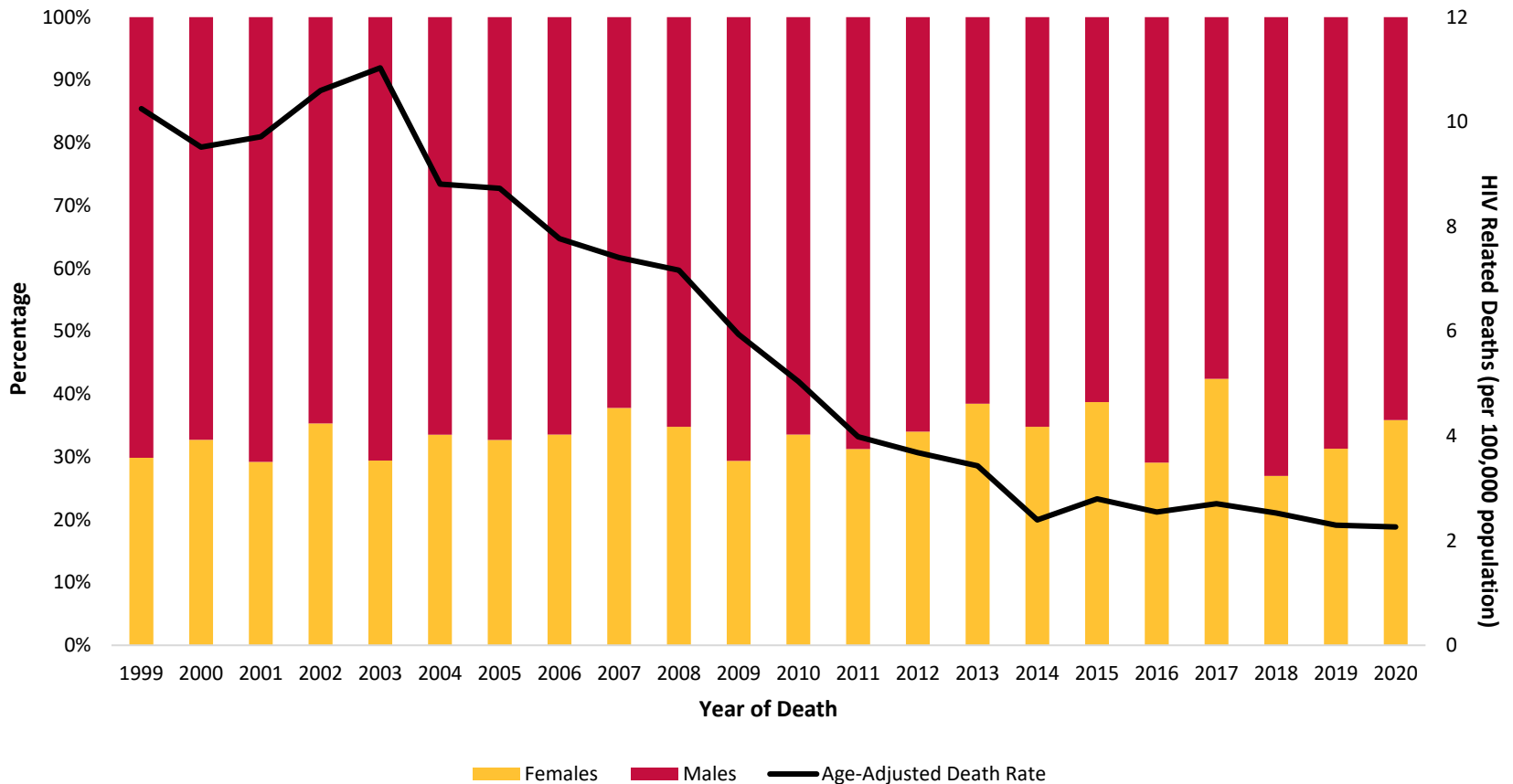
# Trends in Annual Age-Adjusted\* Rates† of Death among Persons with Diagnosed HIV Infection Ever Classified as Stage 3 (AIDS), 1987-2020, Maryland



\*Standard: age distribution of 2000 US population.

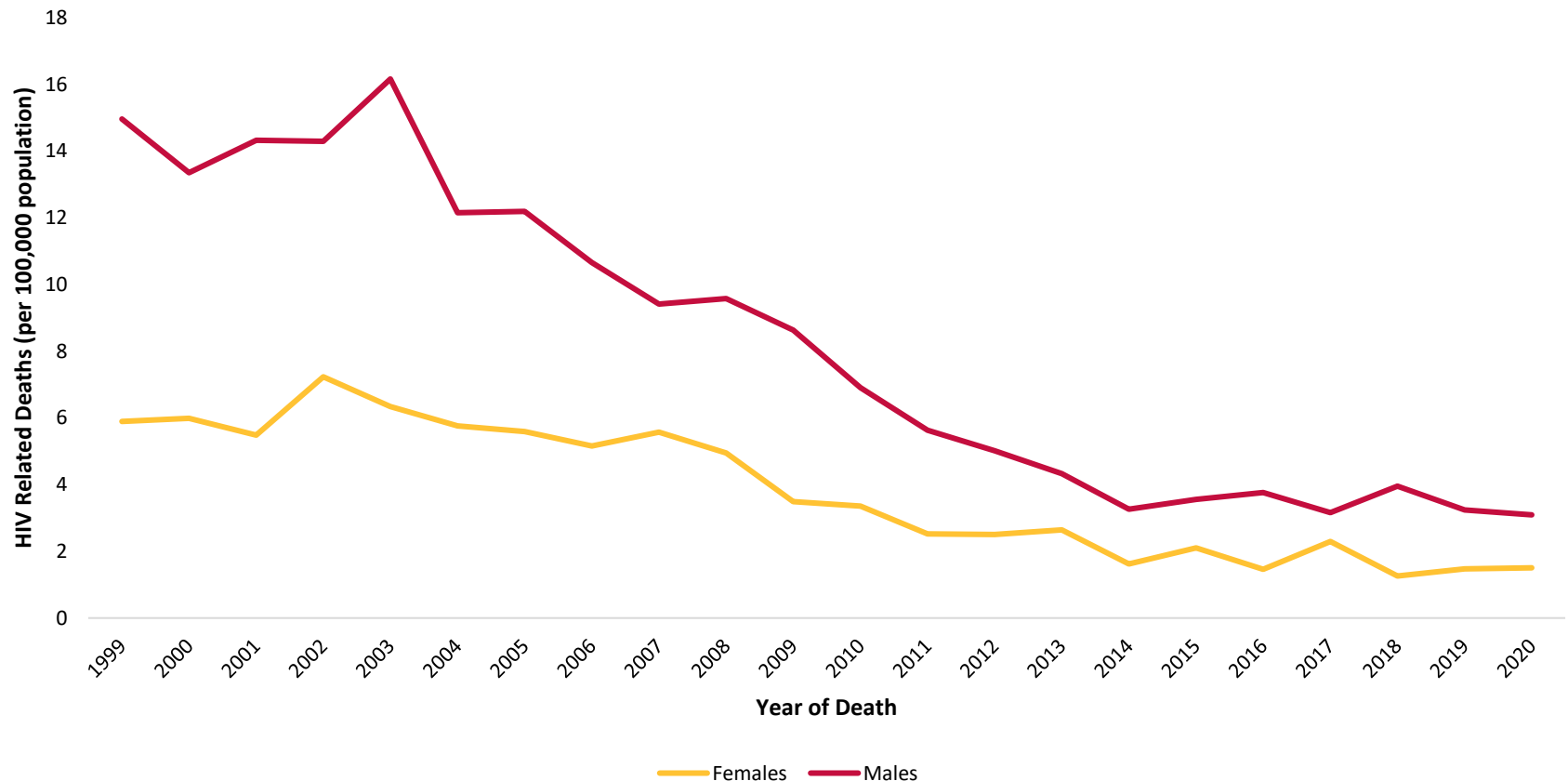
†Per 1,000 persons with diagnosed HIV infection ever classified as stage 3 (AIDS).

# Trends in Age-Adjusted\* Rates of Death and the Percentage Distribution of Deaths with HIV Disease as the Underlying Cause by Sex at Birth, 1999-2020, Maryland



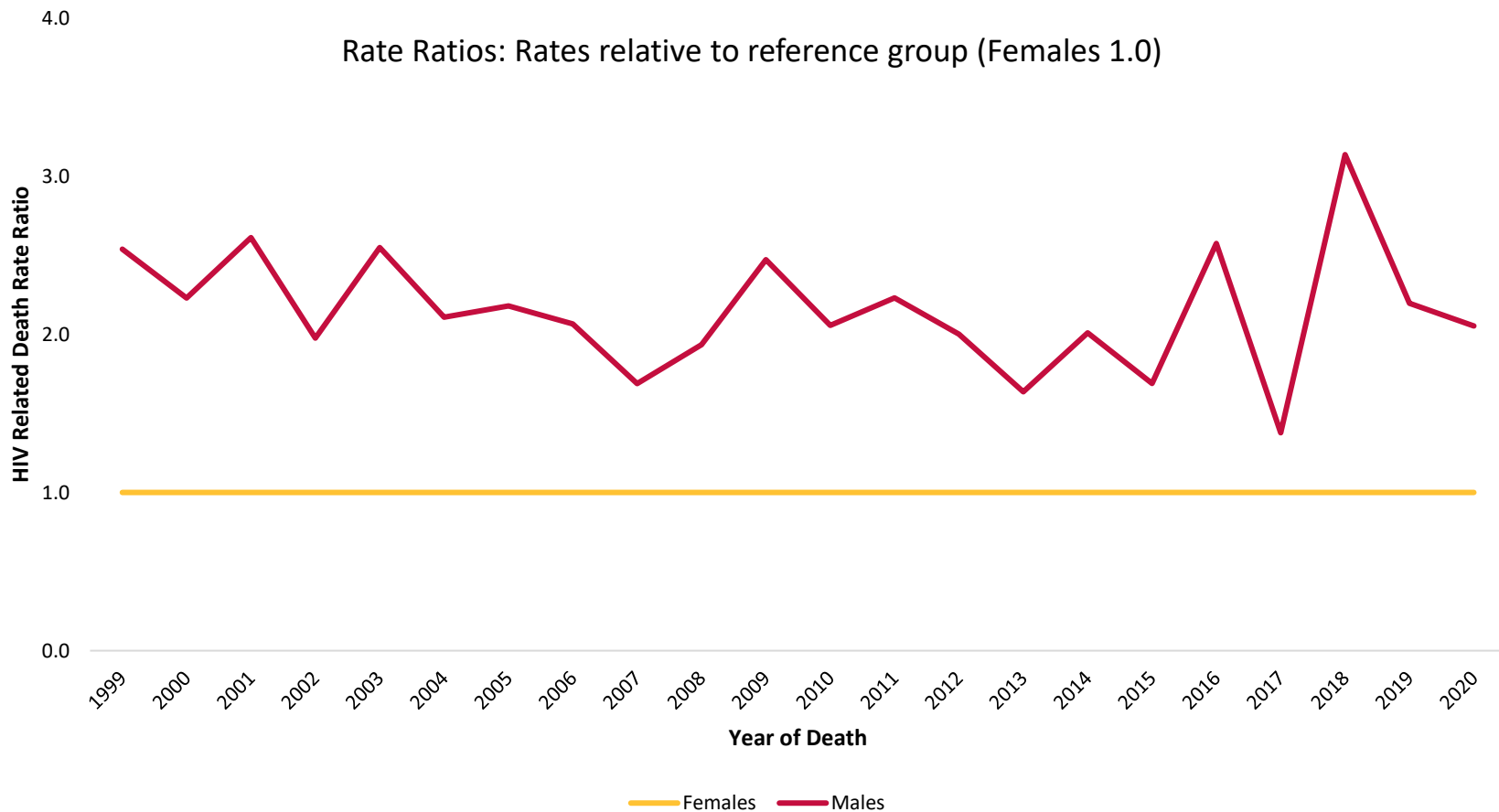
\*Standard: age distribution of 2000 US population.

# Trends in Annual Age-Adjusted\* Rate of Death with HIV Disease as the Underlying Cause, by Sex at Birth, 1999-2020, Maryland



\*Standard: age distribution of 2000 US population.

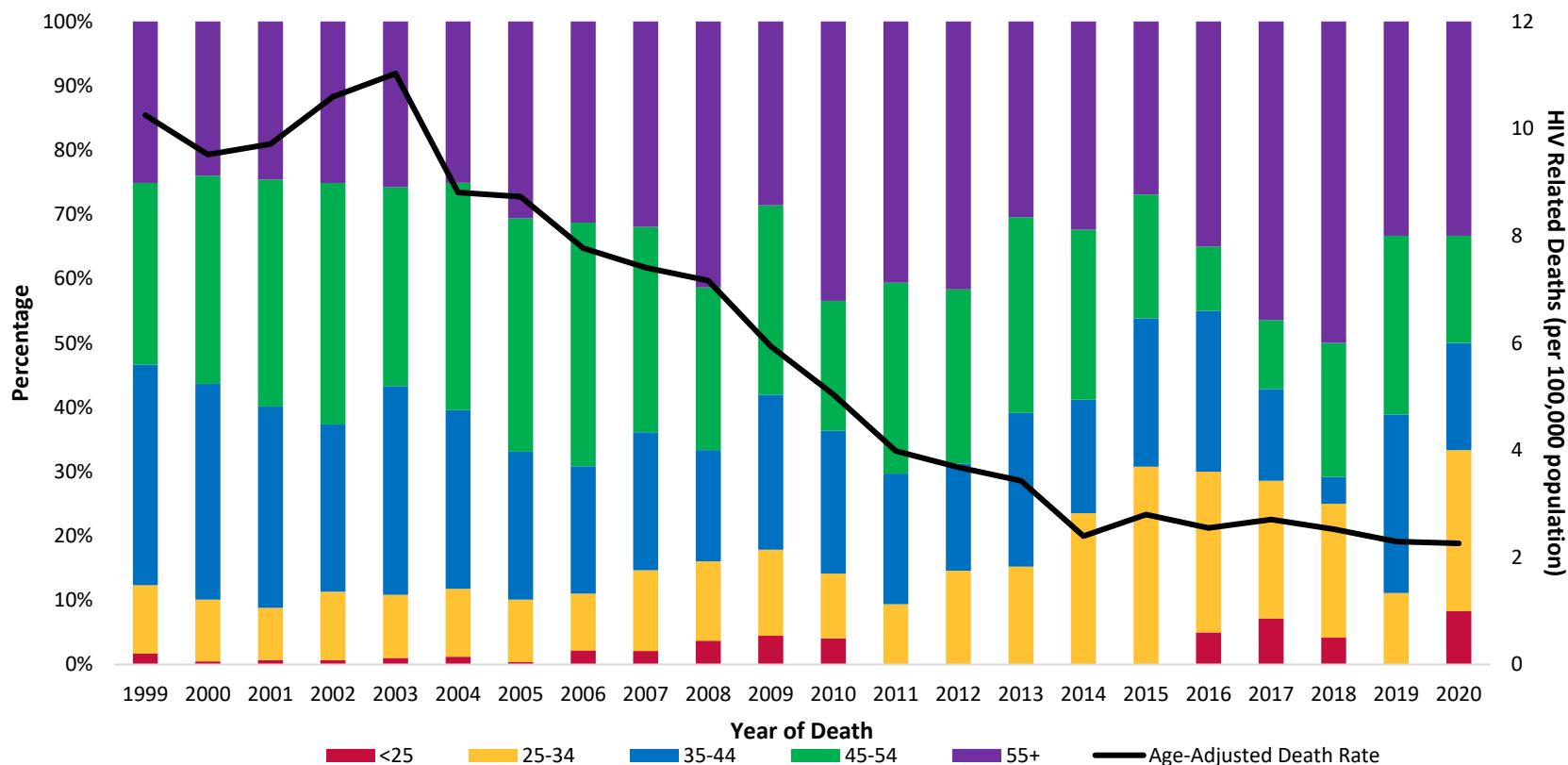
# Trends in Annual Age-Adjusted\* Rate Ratios of Death with HIV Disease as the Underlying Cause, by Sex at Birth, 1999-2020, Maryland



\*Standard: age distribution of 2000 US population.



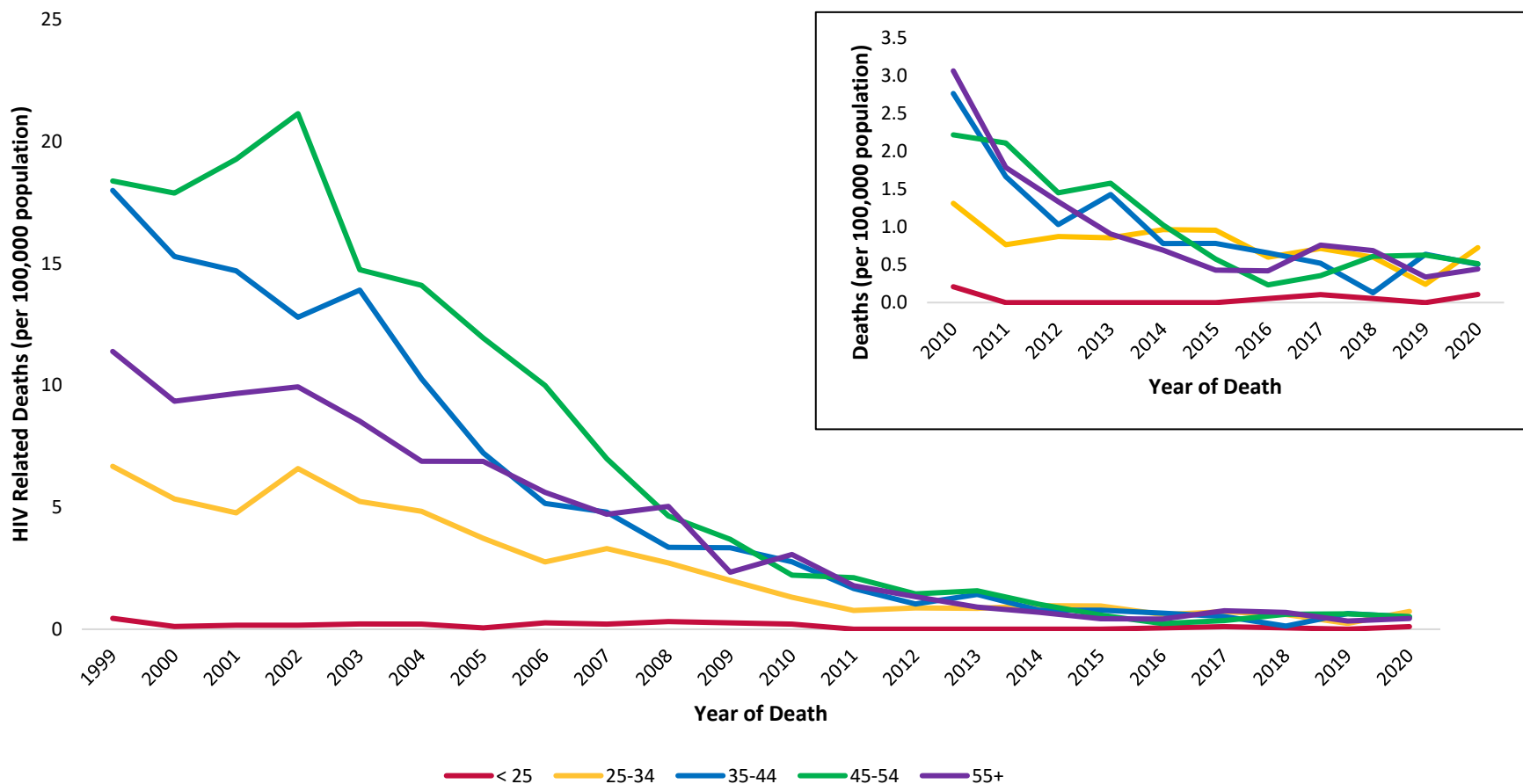
# Trends in Annual Age-Adjusted\* Rates of Death and the Percentage Distribution of Deaths with HIV Disease as the Underlying Cause, by Age Group, 1999-2020, Maryland



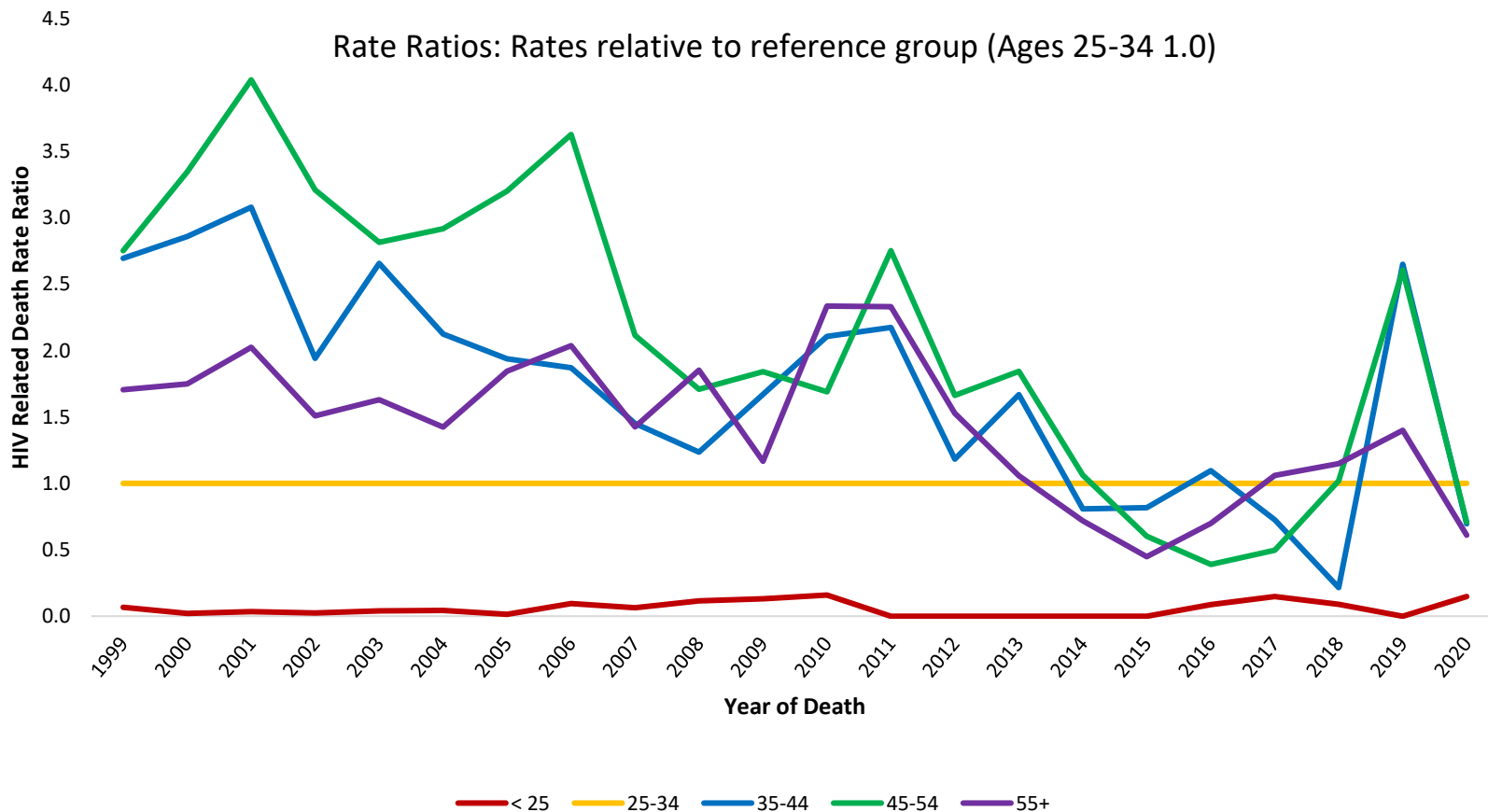
\*Standard: age distribution of 2000 US population.



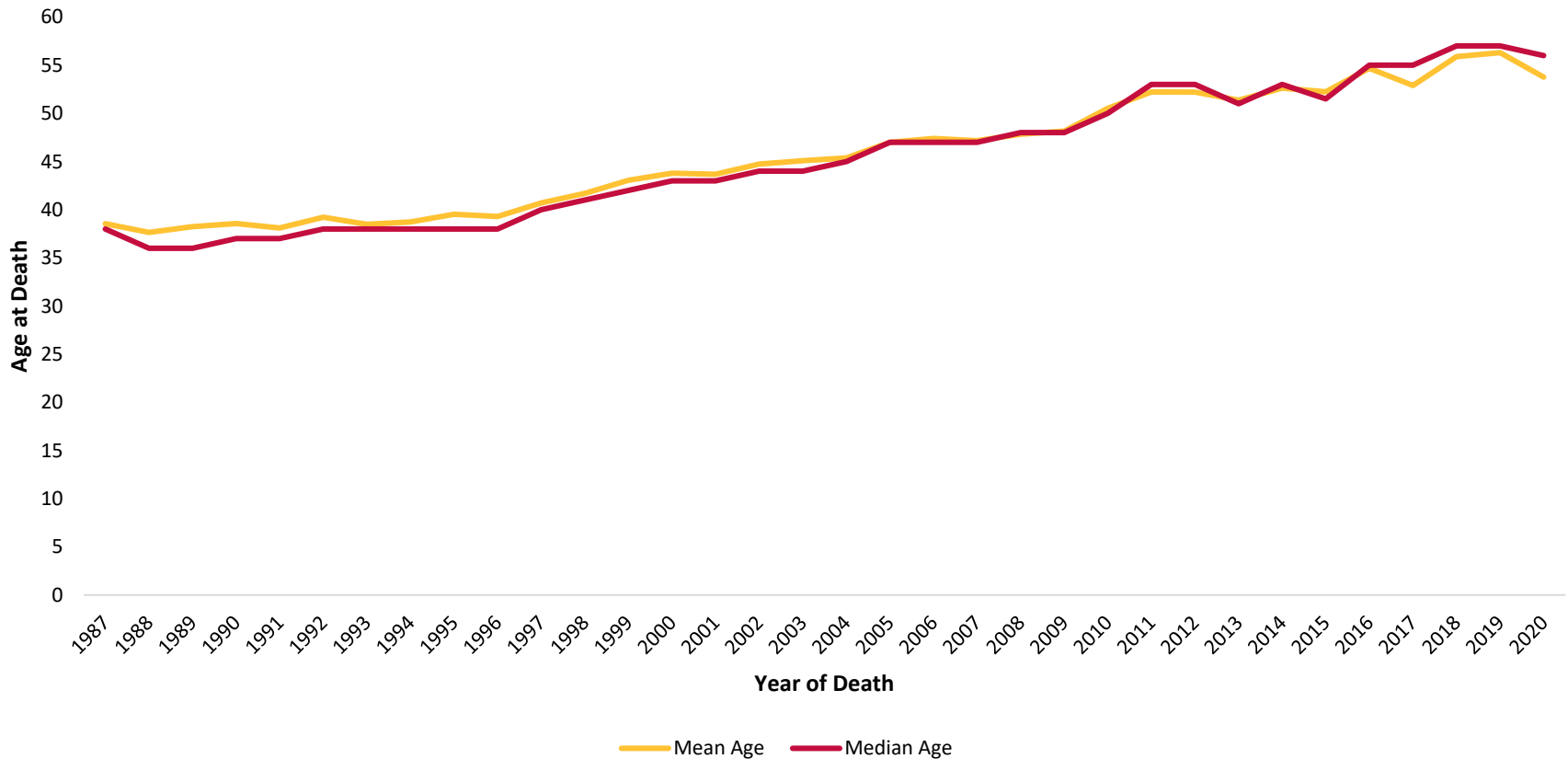
# Trends in Annual Rates of Death with HIV Disease as the Underlying Cause, by Age Group, 1999-2020, Maryland



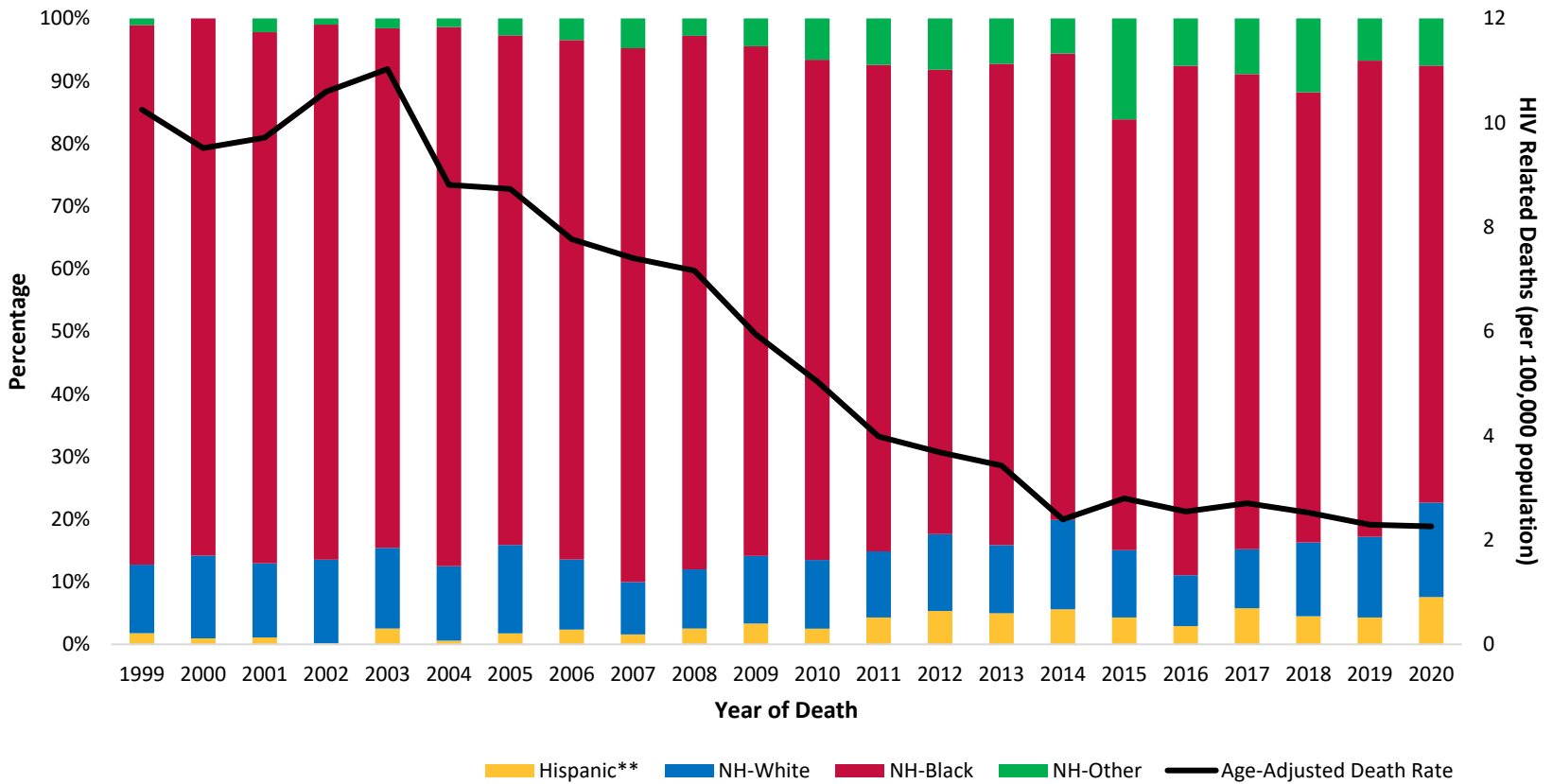
# Trends in Annual Rate Ratios of Death with HIV Disease as the Underlying Cause, by Age Group, 1999-2020, Maryland



# Mean and Median Age at Death with HIV Disease as the Underlying Cause, 1987-2020, Maryland



# Trends in Annual Age-Adjusted\* Rates of Death and the Percentage Distribution of Deaths with HIV Disease as the Underlying Cause, by Race/Ethnicity, 1999-2020, Maryland

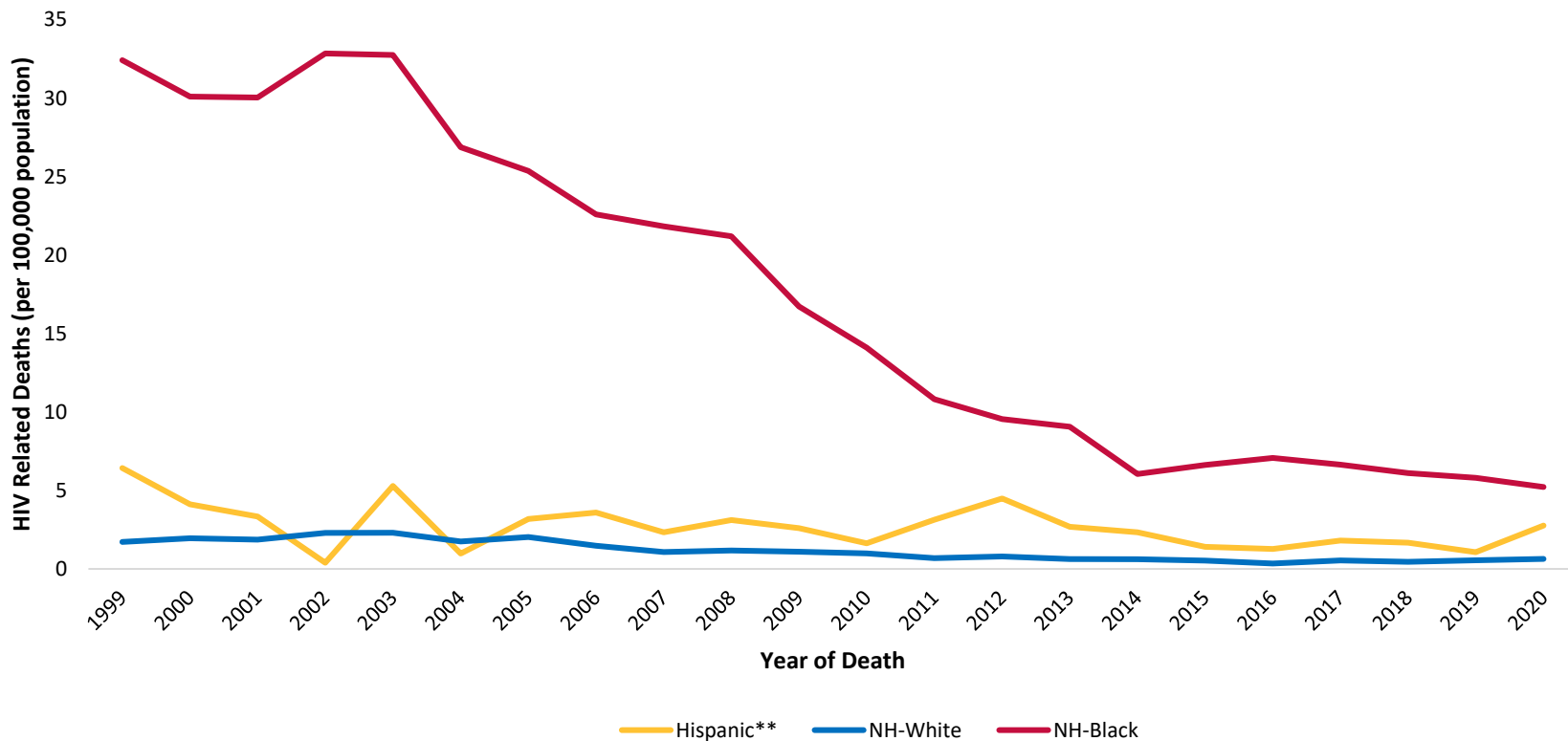


\*Standard: age distribution of 2000 US population.

\*\*Hispanic persons can be of any race.

NH: Non-Hispanic

# Trends in Age-Adjusted\* Annual Rates of Death with HIV Disease as the Underlying Cause, by Race/Ethnicity, 1999-2020, Maryland



\*Standard: age distribution of 2000 US population.

\*\*Hispanic persons can be of any race.

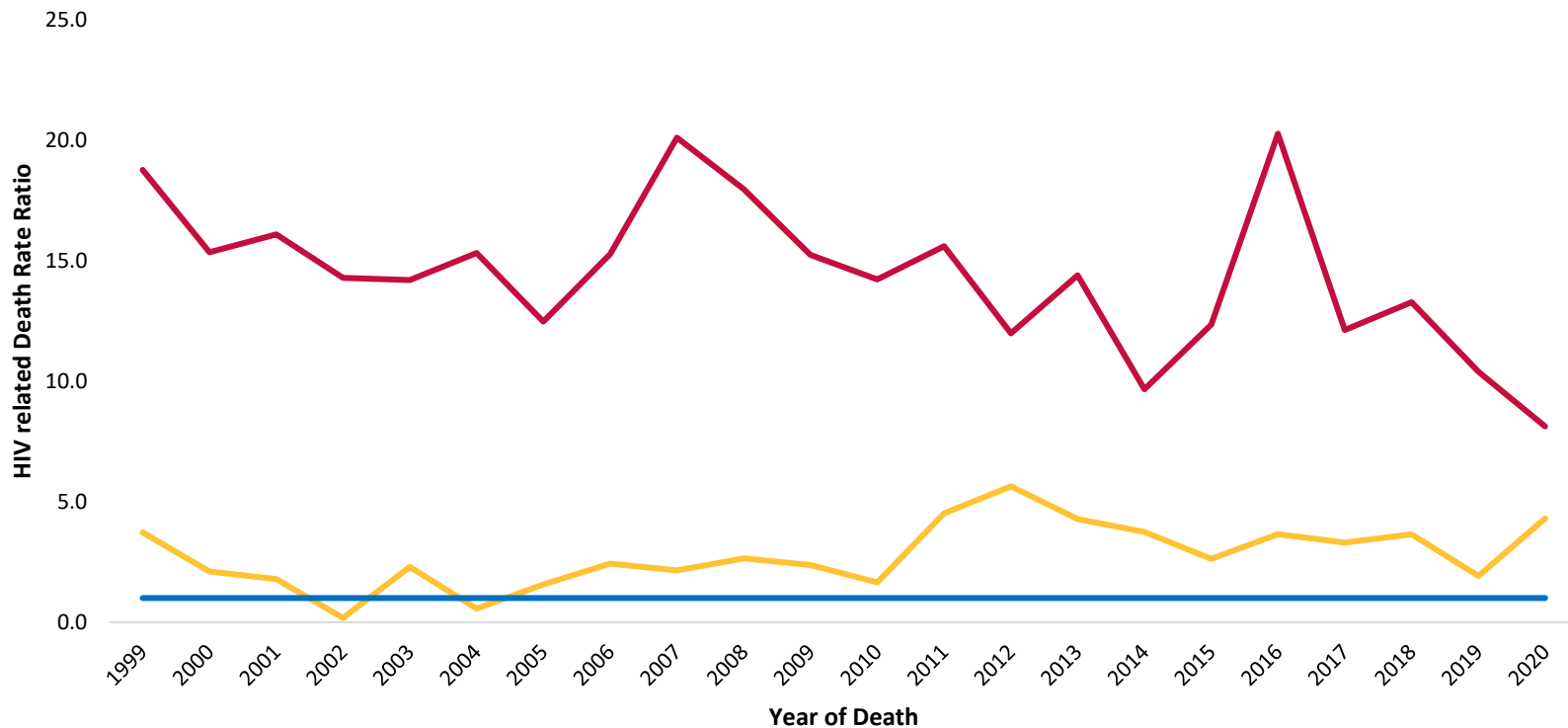
NH: Non-Hispanic

Note: Other race/ethnicities were not included due to small cell sizes



# Trends in Age-Adjusted\* Annual Rate Ratios of Death with HIV Disease as the Underlying Cause, by Race/Ethnicity, 1999-2020, Maryland

Rate Ratios: Rates relative to reference group (NH-White 1.0)



\*Standard: age distribution of 2000 US population.

\*\*Hispanic persons can be of any race.

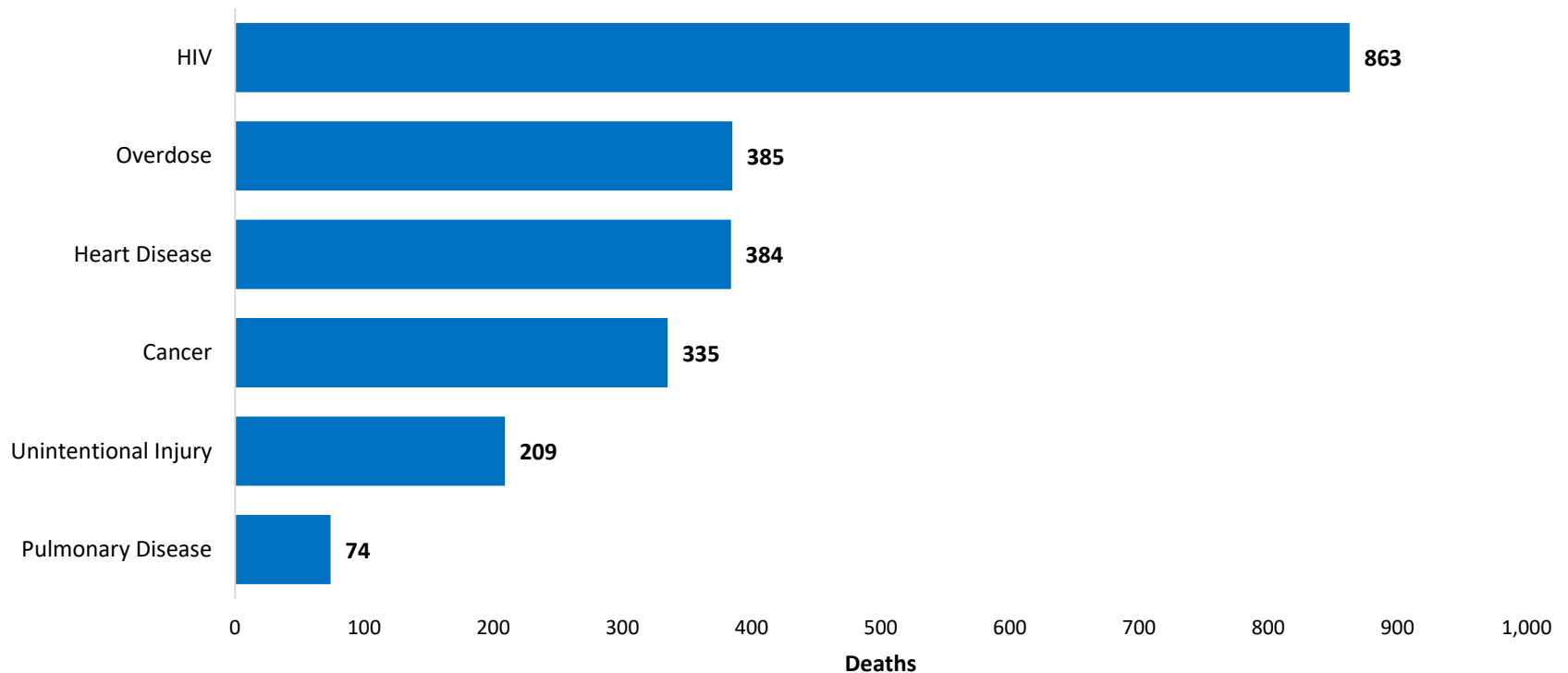
NH: Non-Hispanic

Note: Other race/ethnicities were not included due to small cell sizes

Hispanic\*\* NH-White NH-Black



# Leading Causes of Death among Persons with Diagnosed HIV Infection, 2015-2020, Maryland



Total N=3,081

# Additional Data

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- Please see the CDC HIV Mortality Surveillance Report for more data at the national level  
<https://www.cdc.gov/hiv/pdf/library/slidesets/cdc-hiv-surveillance-mortality-2020.pdf>
- For additional mortality data or general data on HIV in Maryland, please visit the [CHSEE HIV statistics page](#) or submit a request to [mdh.hivdatarequest@maryland.gov](mailto:mdh.hivdatarequest@maryland.gov)



# Data Notes and Limitations

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- The Center for HIV Surveillance, Epidemiology and Evaluation collects cause of death information for people living with diagnosed HIV in Maryland by medical record reviews, from Office of the Chief Medical Examiner reports, and through annual matches with the Vital Statistics Administration and the National Death Index.
- Mortality data has a longer reporting lag than HIV diagnosis data, and the most recent two years of mortality data are considered preliminary.



**Maryland**

DEPARTMENT OF HEALTH

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***Prevention and Health Promotion Administration***

**<https://phpa.health.Maryland.gov>**

