

Epidemiology of HIV in Riverside County, 2018

Epidemiology & Program Evaluation
Riverside University Health System – Public Health

- Note: Incidence and prevalence numbers may be different from previous reports due to the reallocation of cases by the California Department of Public Health, Office of AIDS, and changes in methodology at the State and local level.
- 2018 data should be considered preliminary.

HIV/AIDS Information

For general information on HIV, frequently asked questions or to find a testing location, please visit:

Riverside County HIV/STD Program website:

<http://www.rivcohiv aids.org/>

Or call:

(951) 358-5307 Voice

(800) 243-7275 Hotline | (800) STD-FACTS

(951) 358-5407 Fax

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Terms Used in this Report

This report is based on Human Immunodeficiency Virus (HIV) case surveillance in Riverside County, California.

For HIV surveillance,

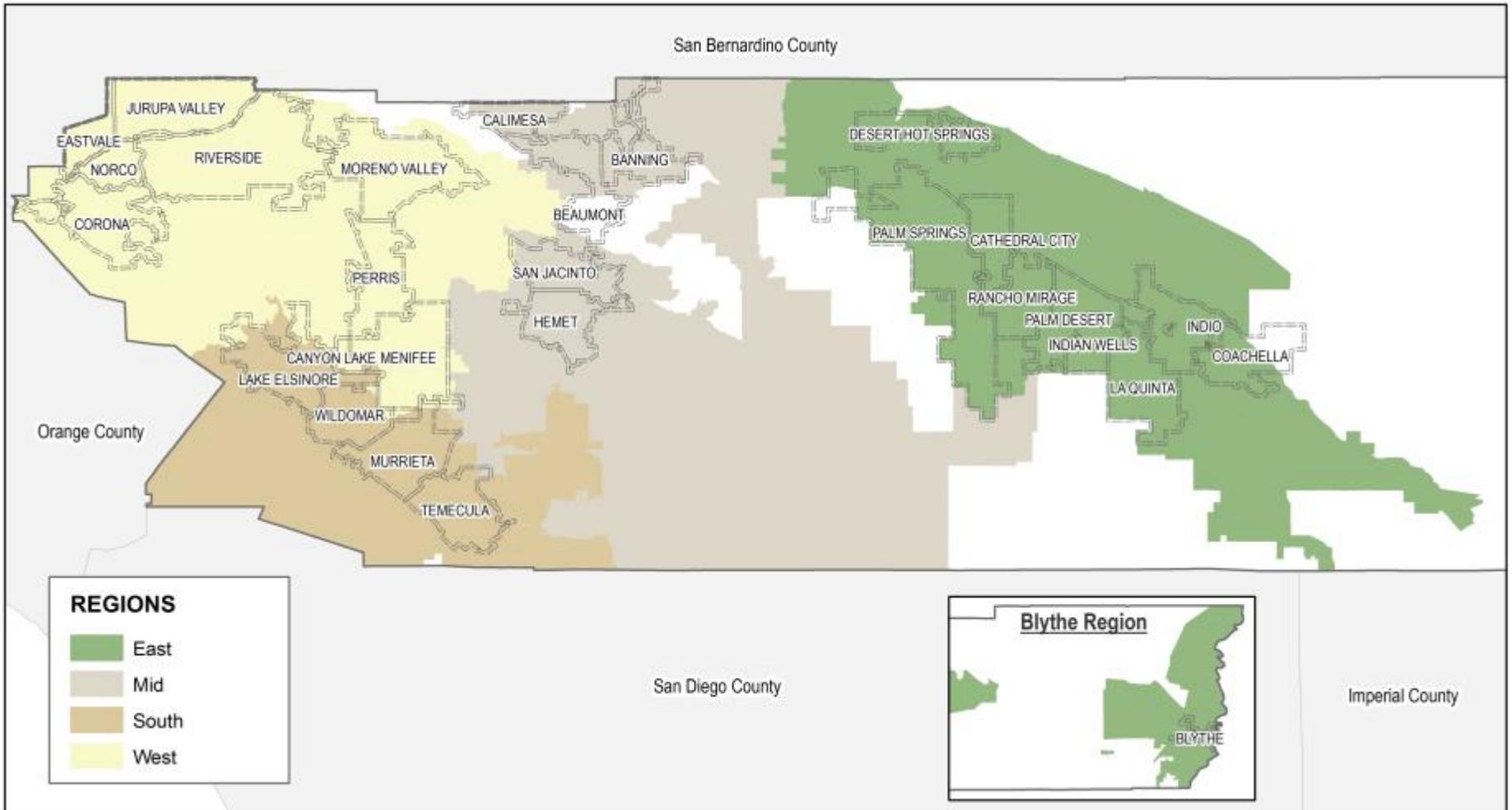
- **Prevalence:** Refers to living persons with HIV disease who are reported to be living in Riverside County, regardless of time of infection or date of diagnosis.
- **Incidence:** Newly diagnosed cases of HIV in a population during a specific time period.
- **Rate:** Common method used to compare the burden of a disease across populations of different sizes.
- **PLWH:** Persons living with HIV or AIDS (HIV Stage 3)

Stages of HIV Infection

- **HIV Stage 1:** Acute HIV infection, within 2 – 4 weeks after infection.
- **HIV Stage 2:** Clinical latency (HIV inactivity or dormancy). This period is sometimes called asymptomatic HIV infection or chronic HIV infection. During this phase, HIV is still active but reproduces at very low levels. People may not have any symptoms or get sick during this time.
- **HIV Stage 3:** Acquired immunodeficiency syndrome (AIDS), AIDS is the most severe phase of HIV infection.

Source: https://wwwn.cdc.gov/hivrisk/what_is/stages_hiv_infection.html ,
accessed 8/12/2019.

Riverside County, CA



Prevalence

People currently living with HIV in Riverside County

Persons living with diagnosed HIV (All Stages) by year, Riverside County and California, 2013 - 2018

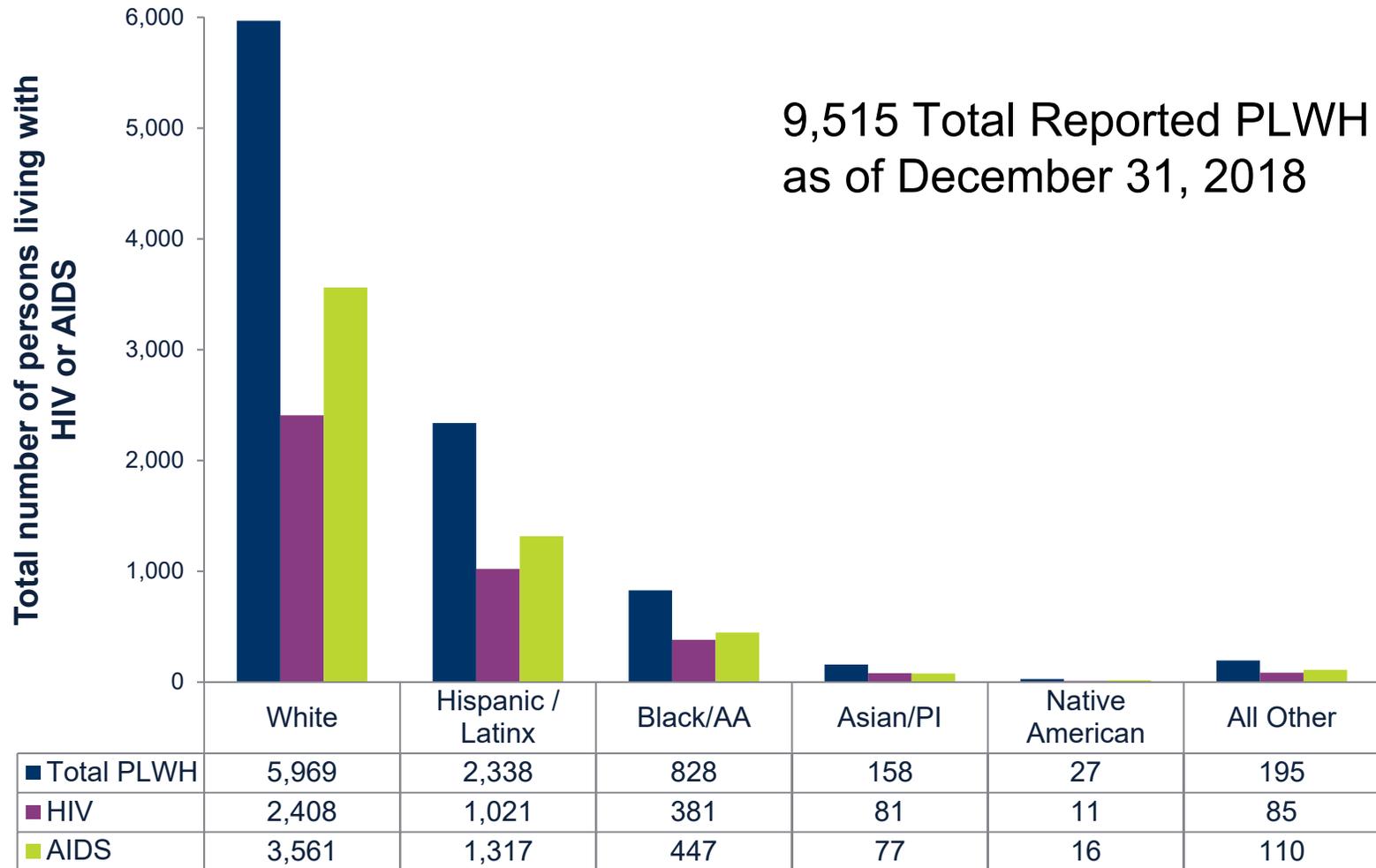
| Count and Rate per 100,000 Population, Riverside County, CA | | | | | | |
|-------------------------------------------------------------|-------|-------|-------|-------|-------|--------|
| | 2013 | 2014 | 2015* | 2016* | 2017 | 2018** |
| Total Cases | 5,756 | 5,977 | 6,785 | 8,189 | 9,017 | 9,515 |
| Rate per 100,000 population | 252.8 | 259.2 | 291.3 | 346.9 | 376.4 | 393.2 |

| Count and Rate per 100,000 Population, California | | | | | | |
|---------------------------------------------------|---------|---------|---------|---------|---------|---------------|
| | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 |
| Total Cases | 124,235 | 126,376 | 129,316 | 132,908 | 135,082 | Not Available |
| Rate per 100,000 population | 323.8 | 326.2 | 331.1 | 337.7 | 340.3 | Not Available |

*In 2015/2016 there was a change in prevalence reporting methodology to reflect the number of PLWH currently living in the county rather than those diagnosed in the county.

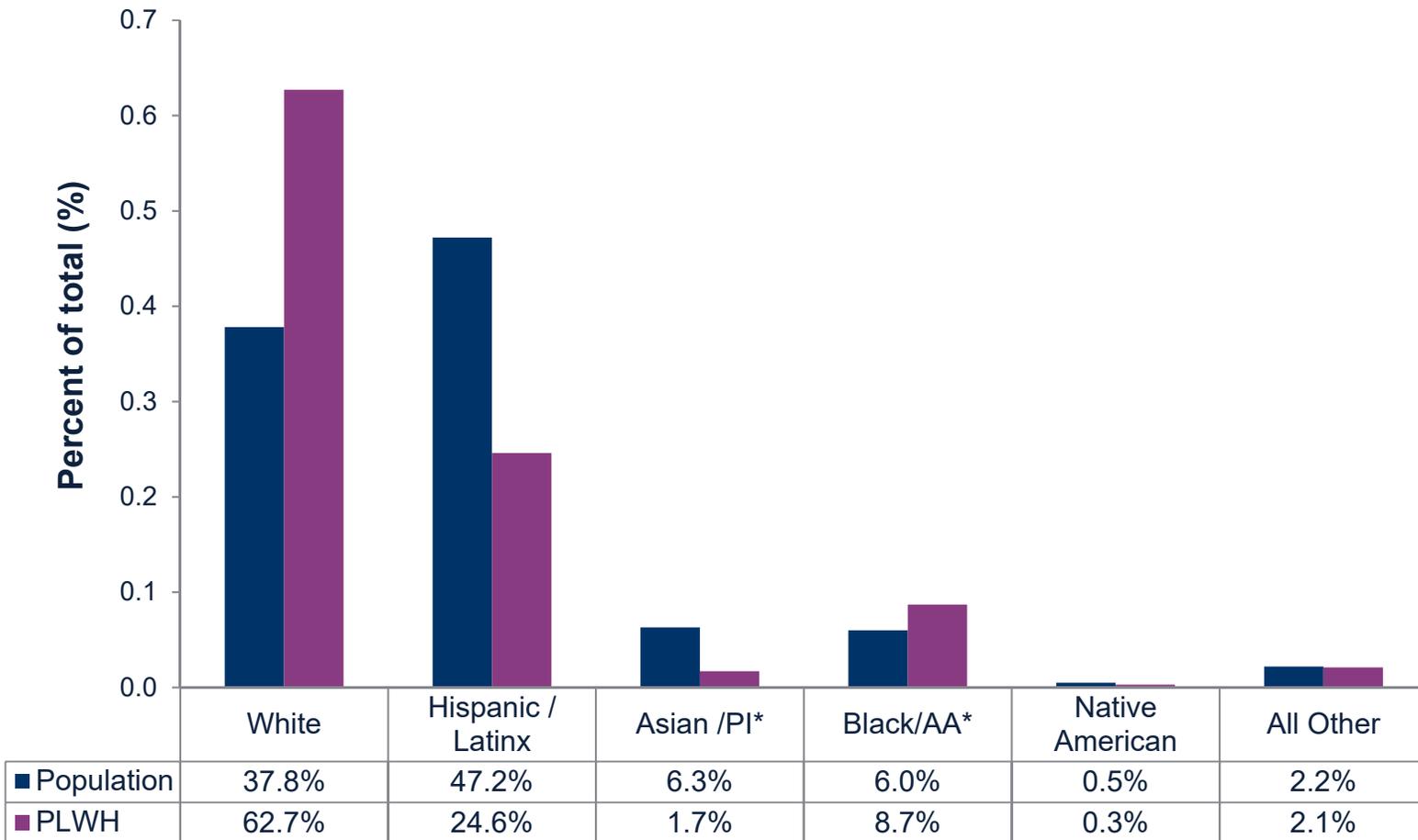
**2018 data should be considered provisional.

Count of Living HIV and AIDS (HIV Stage 3) Cases by Race/Ethnicity, Riverside County, CA 2018



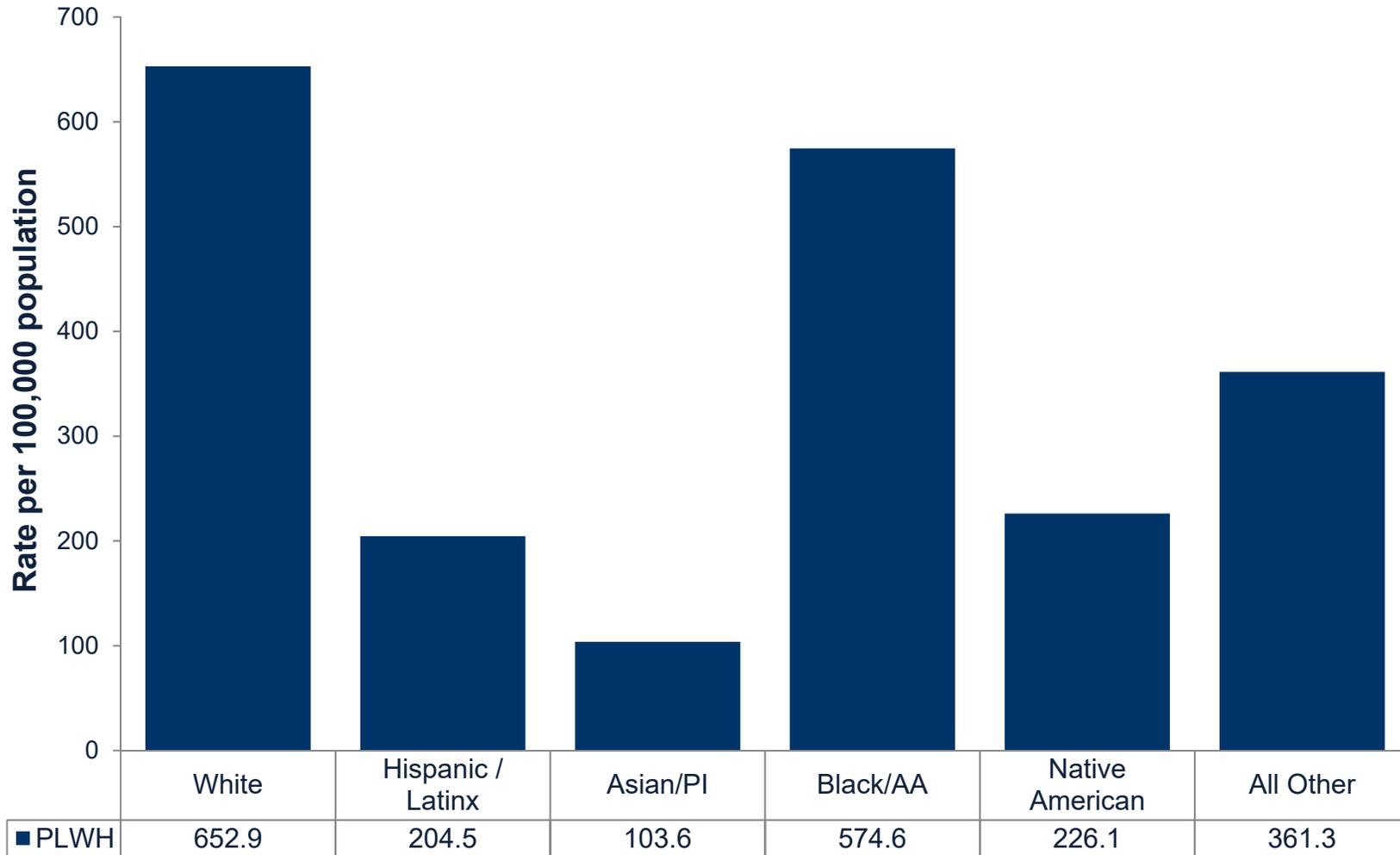
*AA=African American, PI=Pacific Islander

Proportion of the Total Population, Prevalent HIV (All Stages) Cases by Race/Ethnicity, Riverside County, CA 2018



*AA=African American, PI=Pacific Islander

HIV (All Stages) Prevalence (Living) Rates by Race/Ethnicity, Riverside County, CA 2018



*AA=African American, PI=Pacific Islander

HIV (All Stages) Prevalence (Living) by Gender, Riverside County, CA 2018

| Gender* | Number of Cases | Percent of cases | Rate per 100,000 |
|-----------------------------|-----------------|------------------|------------------|
| cis-Male | 8,725 | 91.7% | 726.7 |
| cis-Female | 726 | 7.6% | 59.5 |
| Transgender male and female | 64 | 0.7% | — |

*Note:

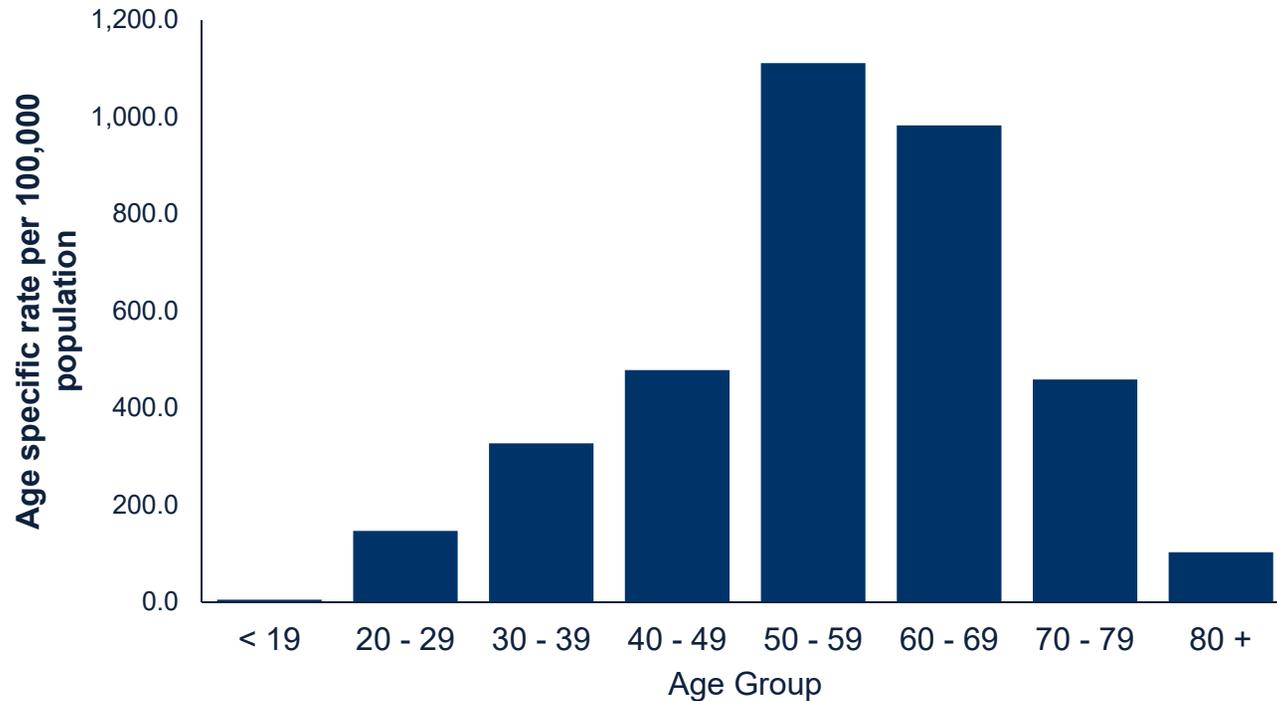
Cis-Male: a person who was born male and whose gender identity is male.

Cis-Female: a person who was born female and whose gender identity is female.

Transgender: a person whose gender identity does not correspond to that person's gender assigned at birth.

Prevalence rate is not calculated for the transgender population due to uncertainty of the size of the total transgender population.

Age Specific HIV (All Stages) Prevalence Rates with Counts and Percent of Total, Riverside County, CA 2018

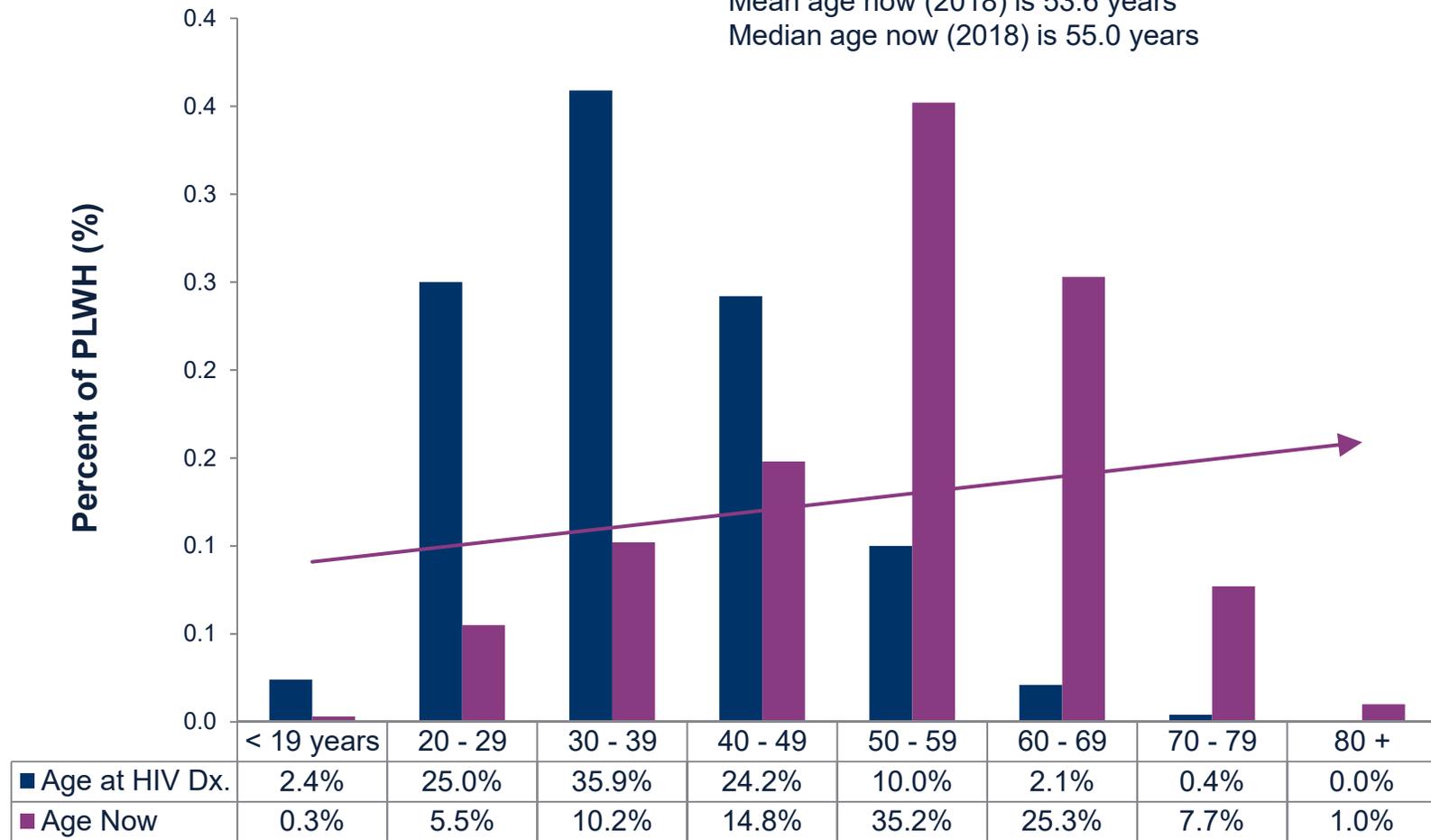


| Age Group | < 19 | 20 - 29 | 30 - 39 | 40 - 49 | 50 - 59 | 60 - 69 | 70 - 79 | 80 + |
|-------------------------------|------|---------|---------|---------|---------|---------|---------|-------|
| Count | 32 | 521 | 975 | 1,408 | 3,347 | 2,410 | 728 | 94 |
| Percent | 0.3 | 5.5 | 10.2 | 14.8 | 35.2 | 25.3 | 7.7 | 1.0 |
| Age Specific Rate Per 100,000 | 4.7 | 146.7 | 327.0 | 478.2 | 1,111.0 | 982.7 | 458.8 | 102.4 |

Note: Based on patients age as of December 31, 2018

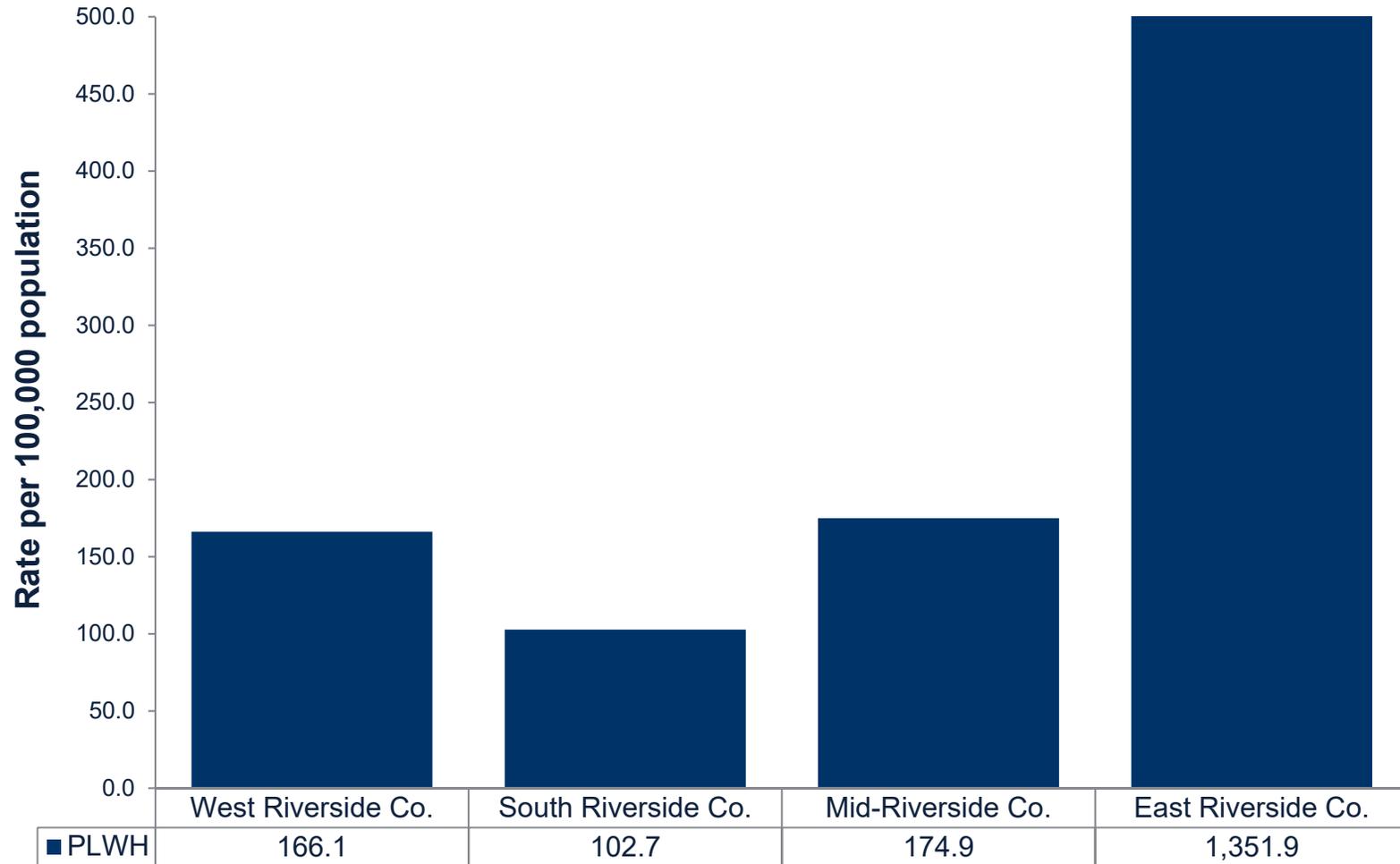
PLWH (All Stages) by Age at Time of HIV Diagnosis (Dx) vs. Age Now (2018)

Mean age at HIV diagnosis is 36.7 years
 Median age at HIV diagnosis is 36.0 years
 Mean age now (2018) is 53.6 years
 Median age now (2018) is 55.0 years

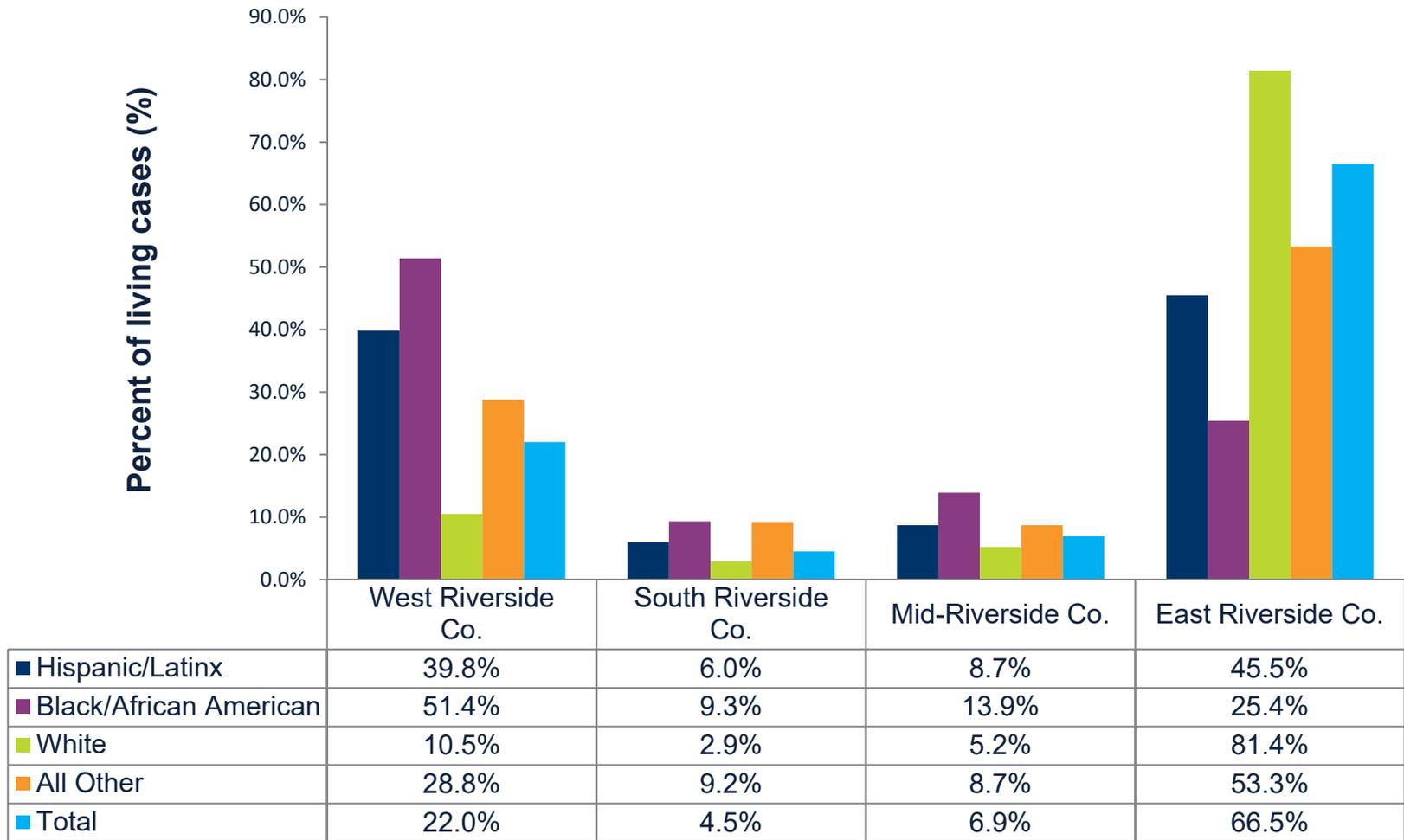


Note: Age Now is based on patients age as of December 31, 2018

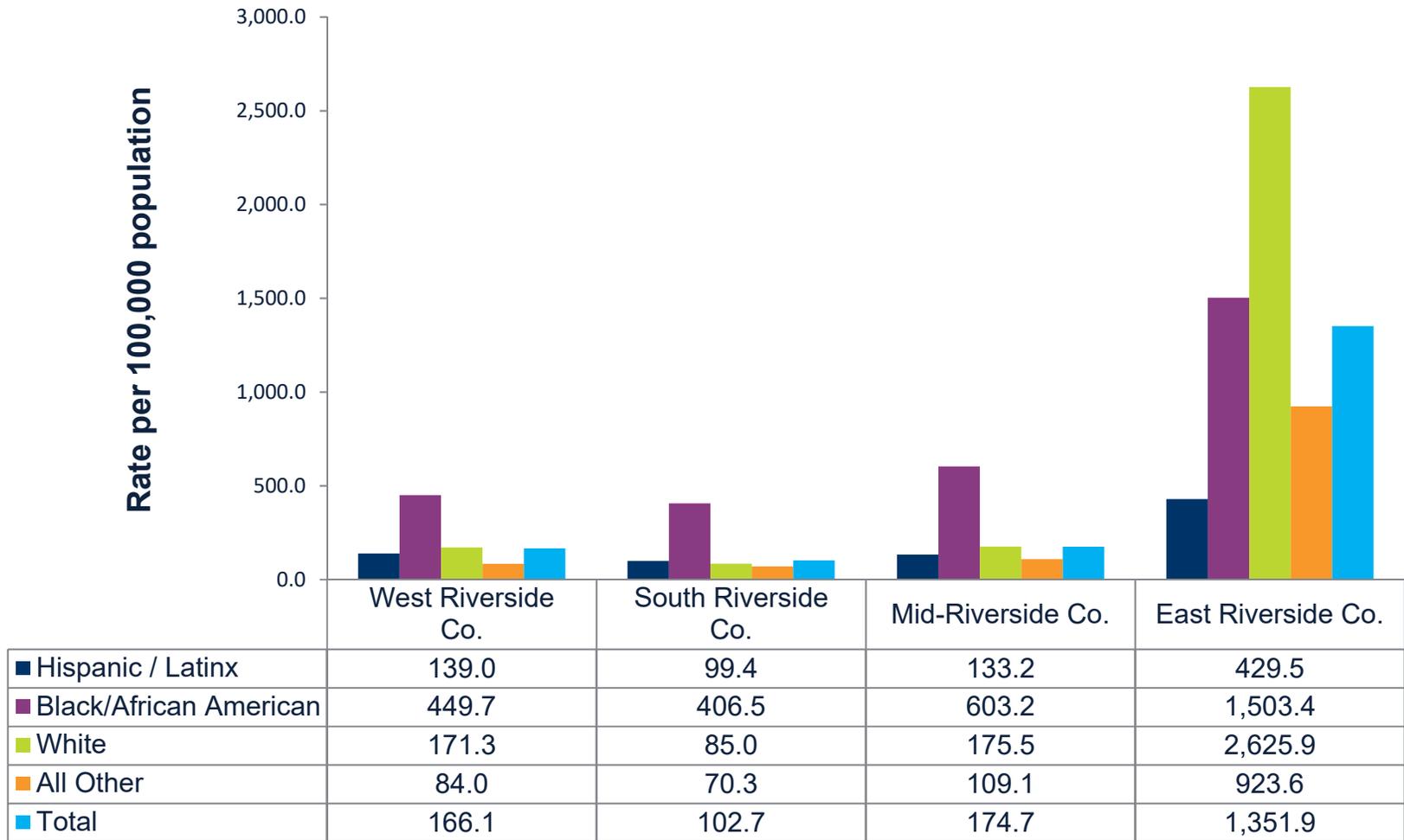
HIV (All Stages) Prevalence (Living) by Region, Riverside County, CA 2018



Racial/Ethnic Distribution of PLWH (All Stages) by County Region, 2018



HIV (All Stages) Prevalence Rates by Race/Ethnicity and County Region, Riverside County, CA 2018



HIV Incidence

New HIV cases by year of diagnosis in Riverside County

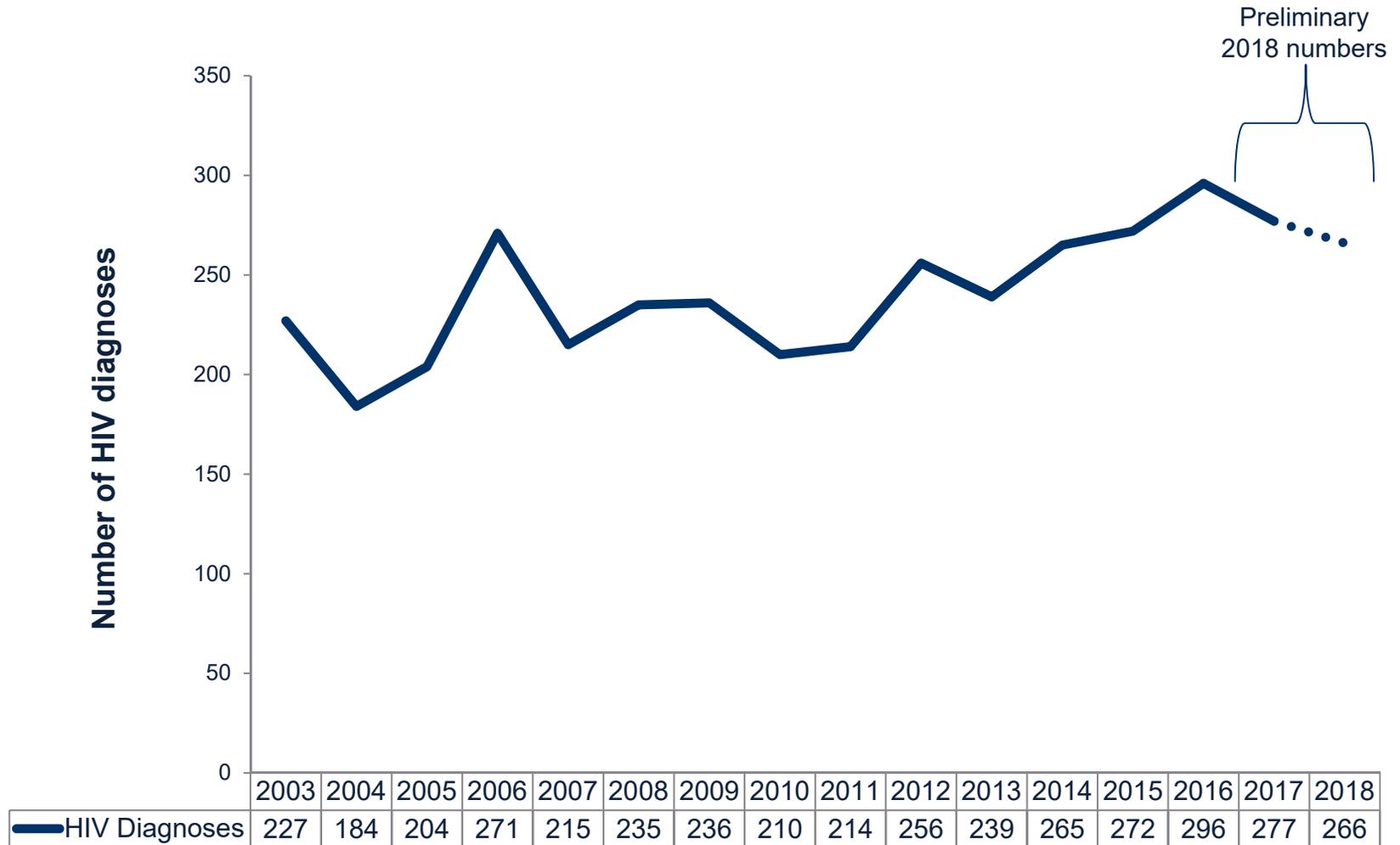
New HIV Diagnoses by Year, Riverside County and California, 2013 - 2018

| Count and Rate per 100,000 Population, Riverside County, CA | | | | | | |
|--------------------------------------------------------------------|-------------|-------------|-------------|-------------|-------------|--------------|
| | 2013 | 2014 | 2015 | 2016 | 2017 | 2018* |
| Total Cases | 239 | 265 | 272 | 296 | 277 | 266 |
| Rate per 100,000 population | 10.5 | 11.5 | 11.7 | 12.5 | 11.6 | 11.0 |

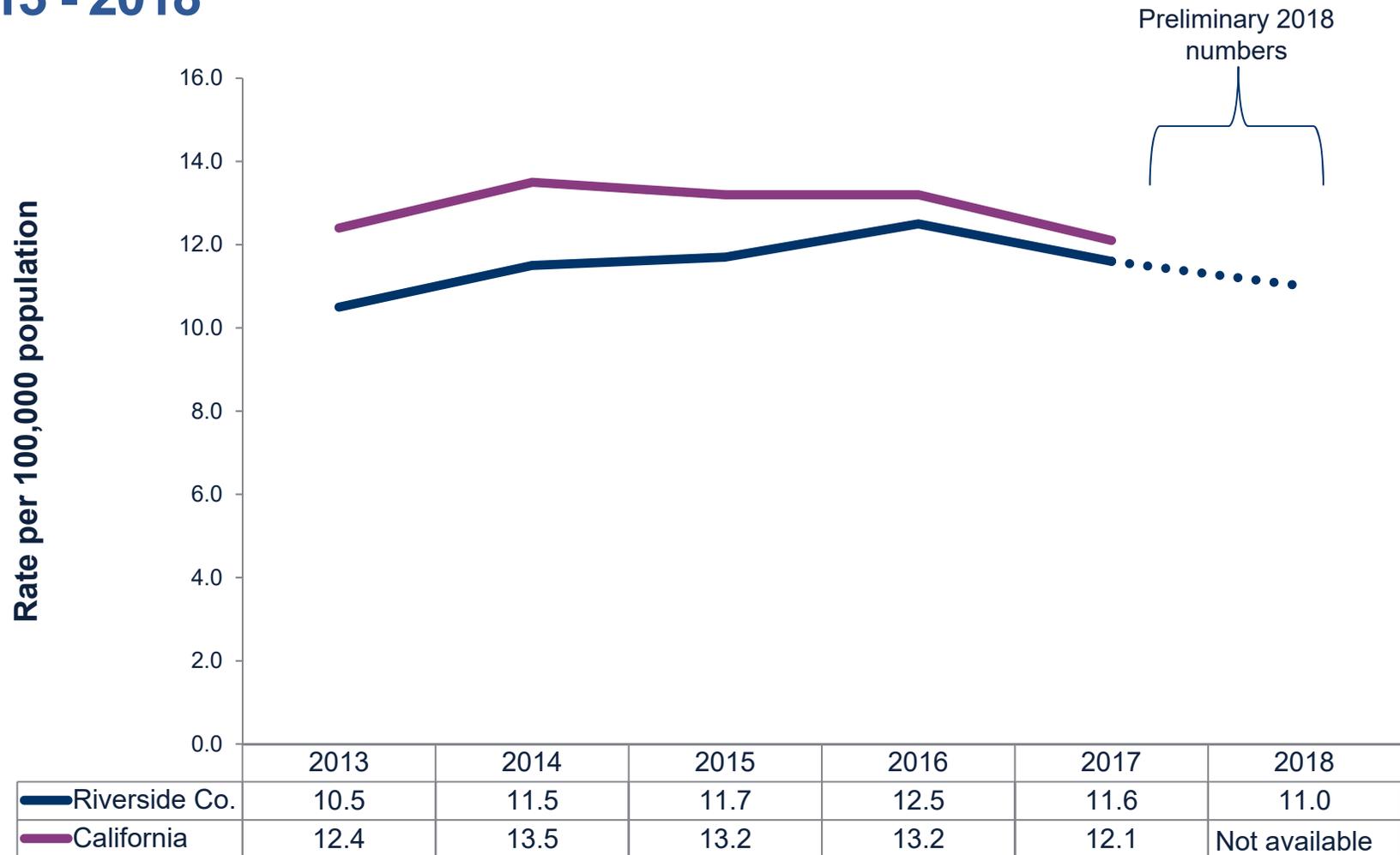
| Count and Rate per 100,000 Population, California | | | | | | |
|----------------------------------------------------------|-------------|-------------|-------------|-------------|-------------|---------------|
| | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 |
| Total Cases | 4,752 | 5,217 | 5,156 | 5,182 | 4,791 | Not Available |
| Rate per 100,000 population | 12.4 | 13.5 | 13.2 | 13.2 | 12.1 | Not Available |

*2018 data should be considered provisional

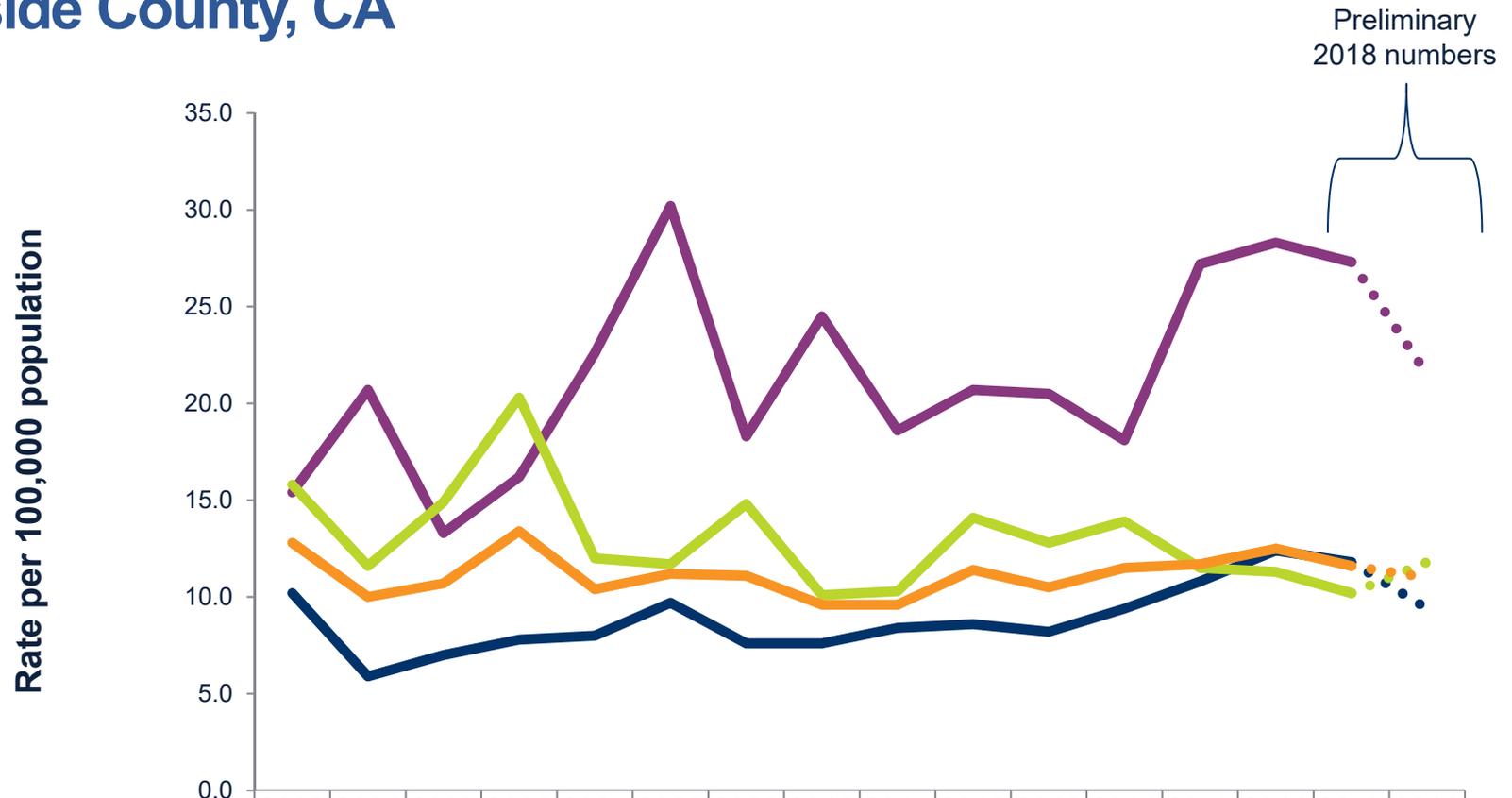
Count of HIV Diagnoses by Year, Riverside County, CA



HIV Incidence Rates, Riverside County and California, 2013 - 2018

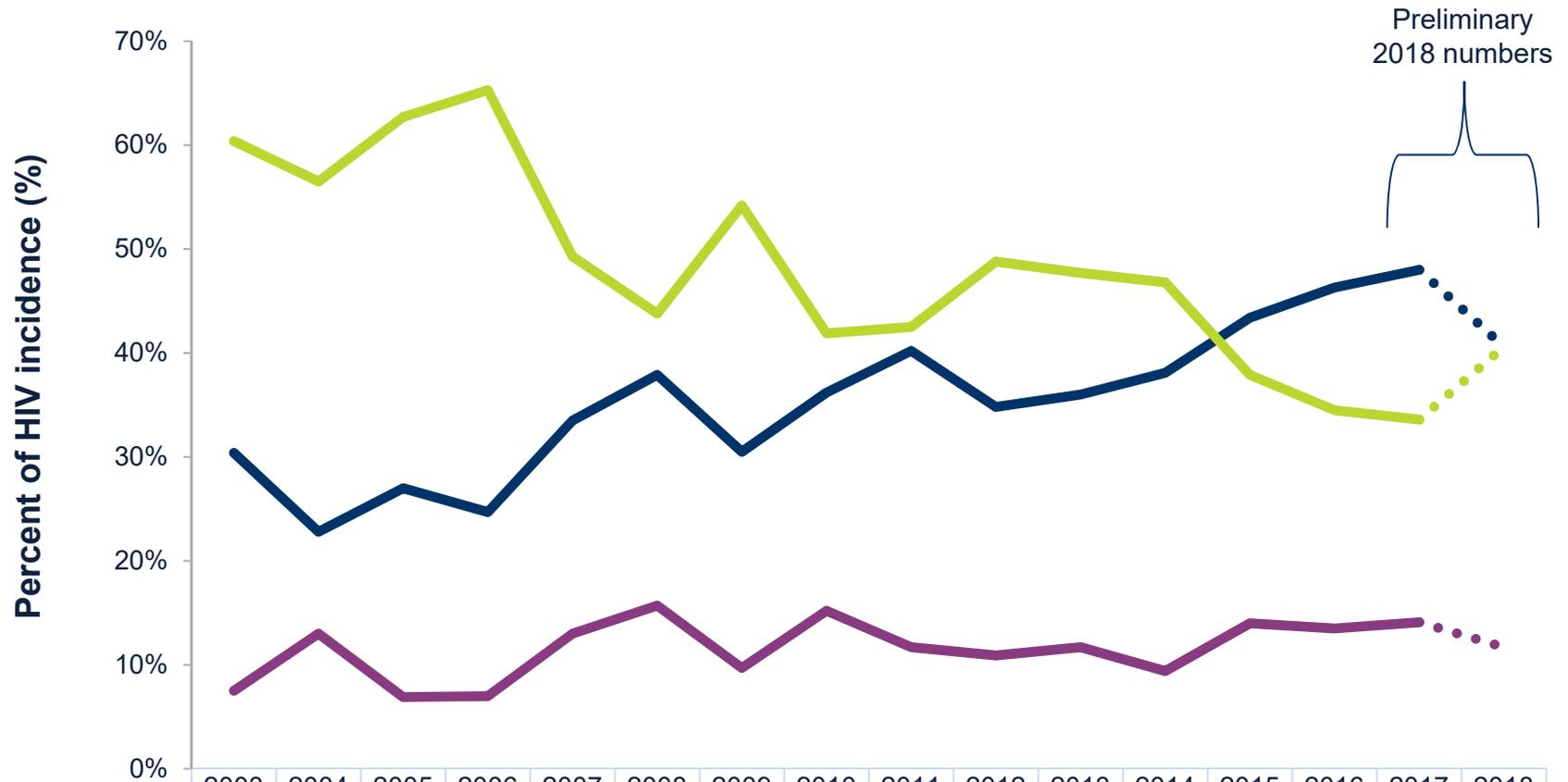


HIV Incidence Rates by Year of Diagnosis and Race/Ethnicity, Riverside County, CA



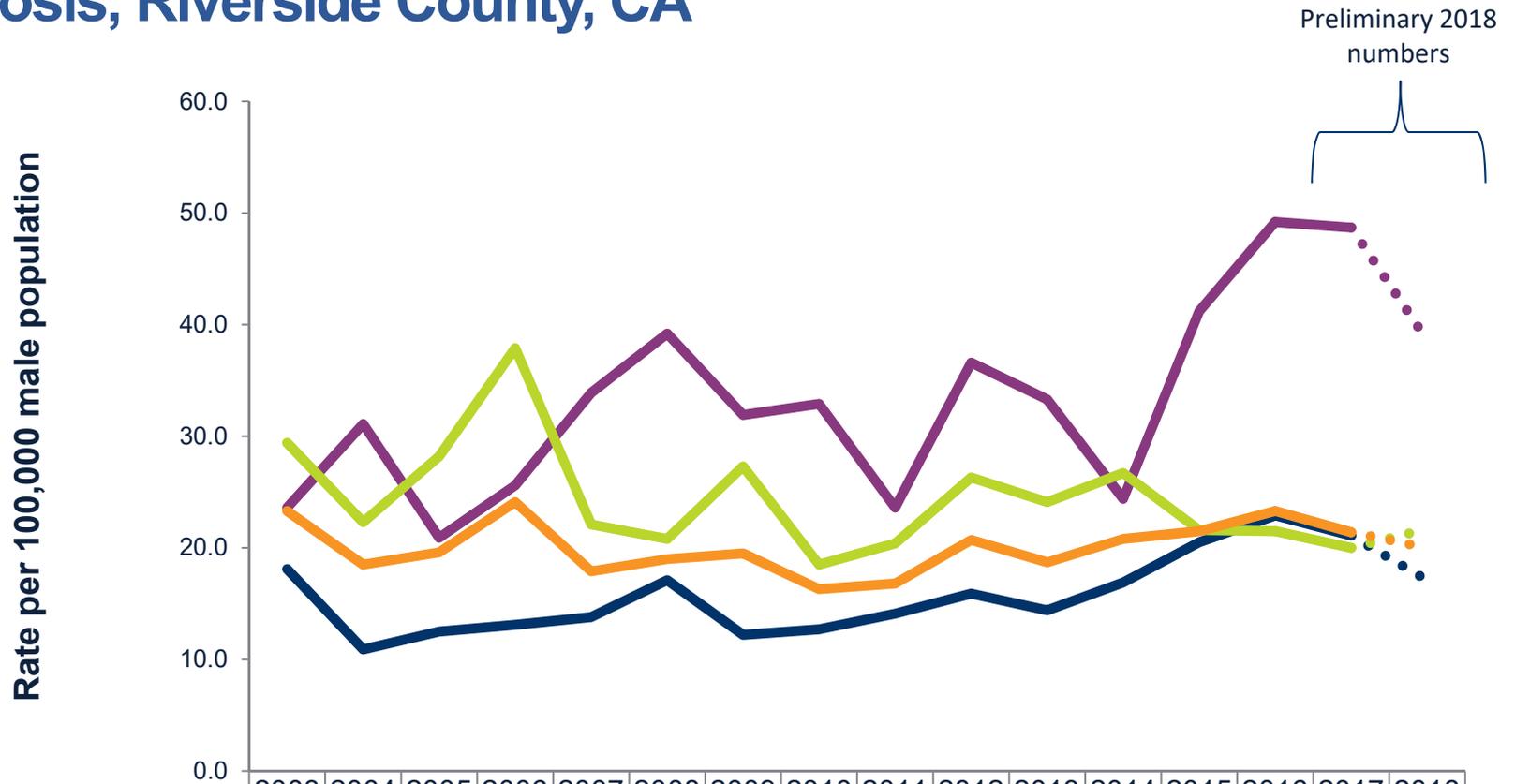
| | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 |
|------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Hispanic / Latinx | 10.2 | 5.9 | 7.0 | 7.8 | 8.0 | 9.7 | 7.6 | 7.6 | 8.4 | 8.6 | 8.2 | 9.4 | 10.8 | 12.4 | 11.8 | 9.4 |
| Black/African American | 15.4 | 20.7 | 13.3 | 16.2 | 22.6 | 30.2 | 18.3 | 24.5 | 18.6 | 20.7 | 20.5 | 18.1 | 27.2 | 28.3 | 27.3 | 21.5 |
| White | 15.8 | 11.6 | 14.9 | 20.3 | 12.0 | 11.7 | 14.8 | 10.1 | 10.3 | 14.1 | 12.8 | 13.9 | 11.5 | 11.3 | 10.2 | 11.8 |
| Riverisde County | 12.8 | 10.0 | 10.7 | 13.4 | 10.4 | 11.2 | 11.1 | 9.6 | 9.6 | 11.4 | 10.5 | 11.5 | 11.7 | 12.5 | 11.6 | 11.0 |

Proportion of HIV Cases by Race/Ethnicity, Riverside County, CA



| | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Hispanic/Latinx | 30.4% | 22.8% | 27.0% | 24.7% | 33.5% | 37.9% | 30.5% | 36.2% | 40.2% | 34.8% | 36.0% | 38.1% | 43.4% | 46.3% | 48.0% | 40.6% |
| Black/AA | 7.5% | 13.0% | 6.9% | 7.0% | 13.0% | 15.7% | 9.7% | 15.2% | 11.7% | 10.9% | 11.7% | 9.4% | 14.0% | 13.5% | 14.1% | 11.7% |
| White | 60.4% | 56.5% | 62.7% | 65.3% | 49.3% | 43.8% | 54.2% | 41.9% | 42.5% | 48.8% | 47.7% | 46.8% | 37.9% | 34.5% | 33.6% | 40.6% |

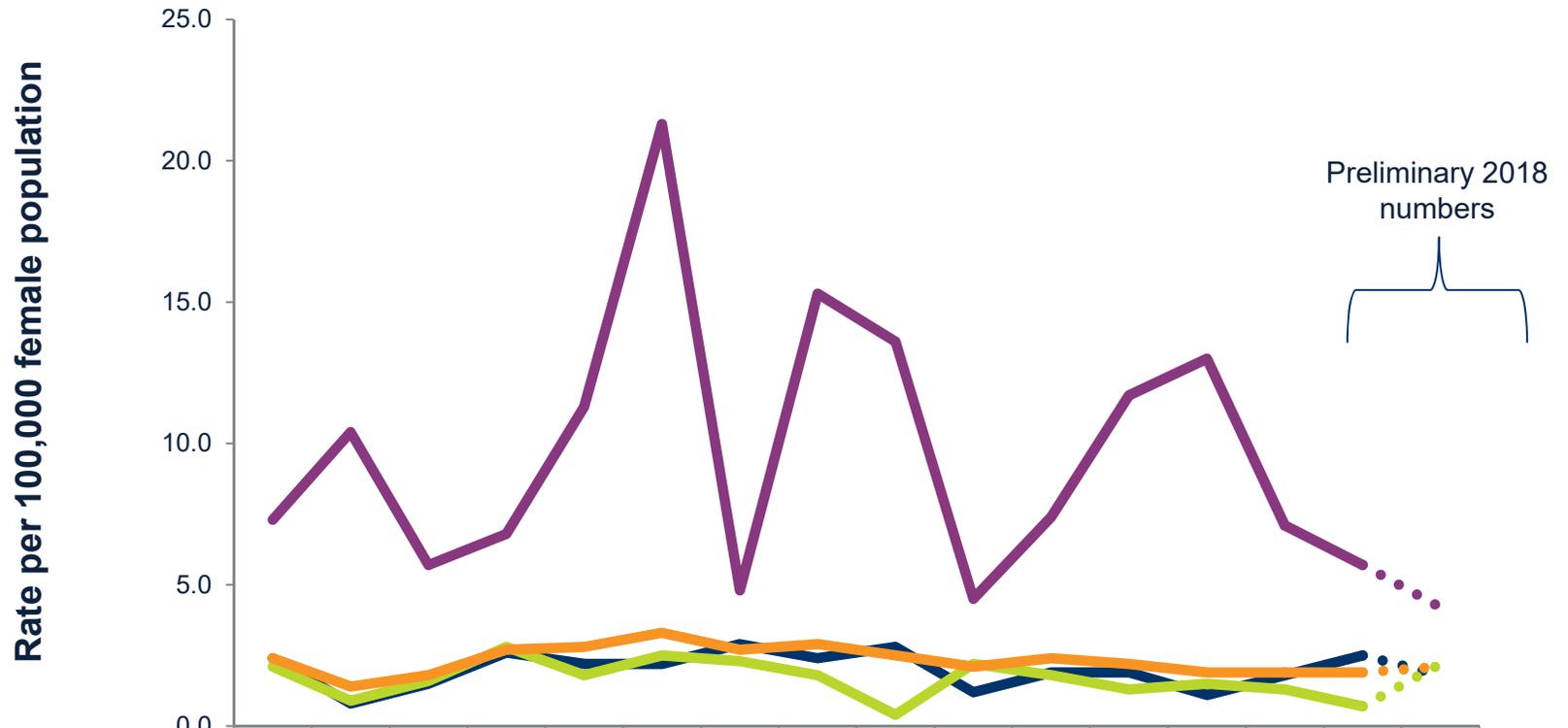
Male* HIV Incidence Rates by Race/Ethnicity and Year of Diagnosis, Riverside County, CA



| | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 |
|------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Hispanic / Latinx | 18.1 | 10.9 | 12.5 | 13.1 | 13.8 | 17.1 | 12.2 | 12.7 | 14.1 | 15.9 | 14.4 | 16.9 | 20.5 | 22.9 | 21.1 | 17.1 |
| Black/African American | 23.6 | 31.1 | 20.9 | 25.6 | 33.9 | 39.2 | 31.9 | 32.9 | 23.6 | 36.6 | 33.3 | 24.4 | 41.2 | 49.2 | 48.7 | 38.6 |
| White | 29.4 | 22.3 | 28.2 | 37.9 | 22.1 | 20.8 | 27.3 | 18.5 | 20.4 | 26.3 | 24.1 | 26.7 | 21.6 | 21.5 | 20.0 | 21.7 |
| All Men | 23.3 | 18.5 | 19.6 | 24.1 | 17.9 | 19.0 | 19.5 | 16.3 | 16.8 | 20.7 | 18.7 | 20.8 | 21.5 | 23.3 | 21.4 | 20.0 |

*Note: Male=Male gender assigned at birth.

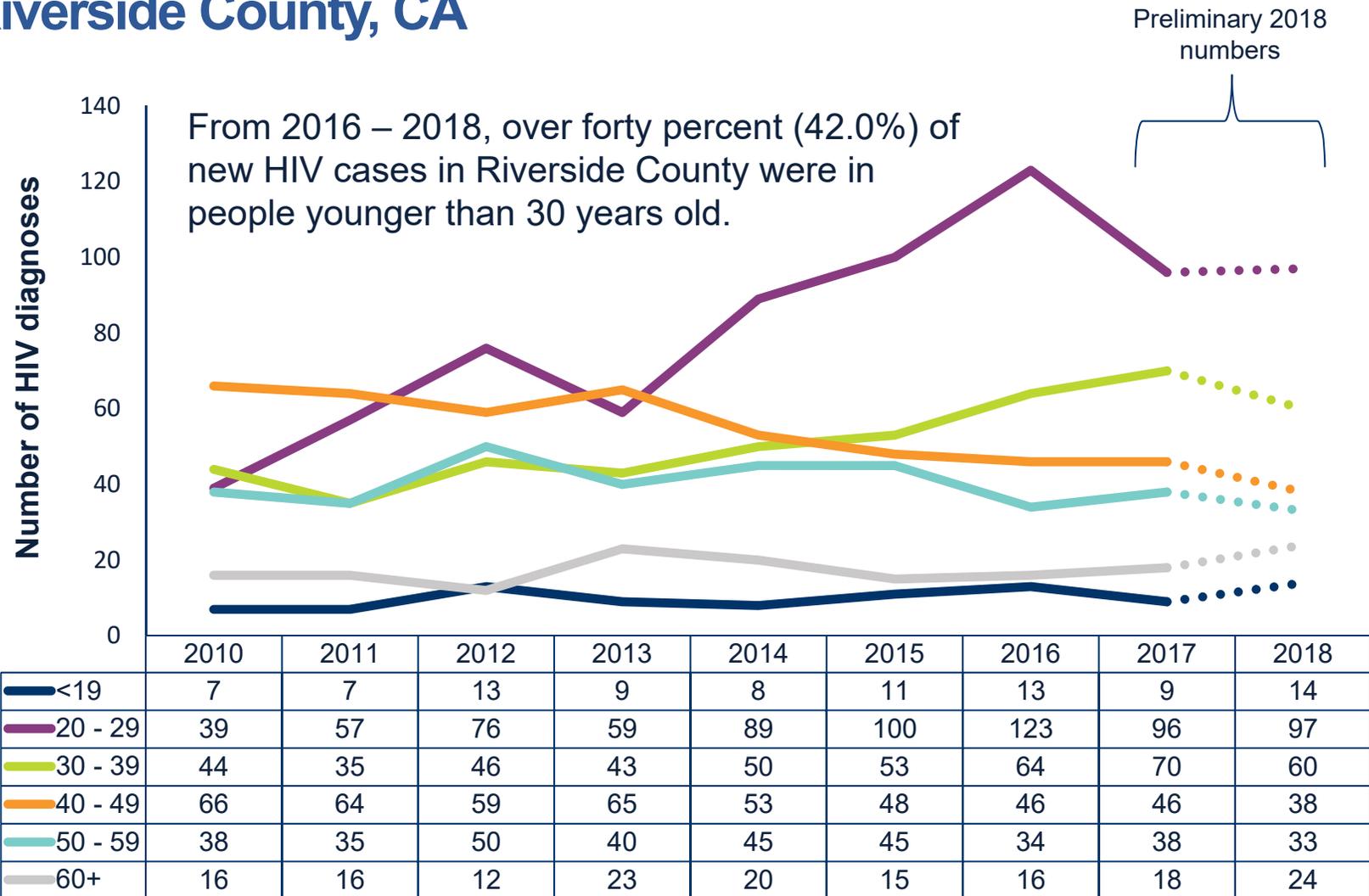
Female* HIV Incidence Rates by Race/Ethnicity and Year of Diagnosis, Riverside County, CA



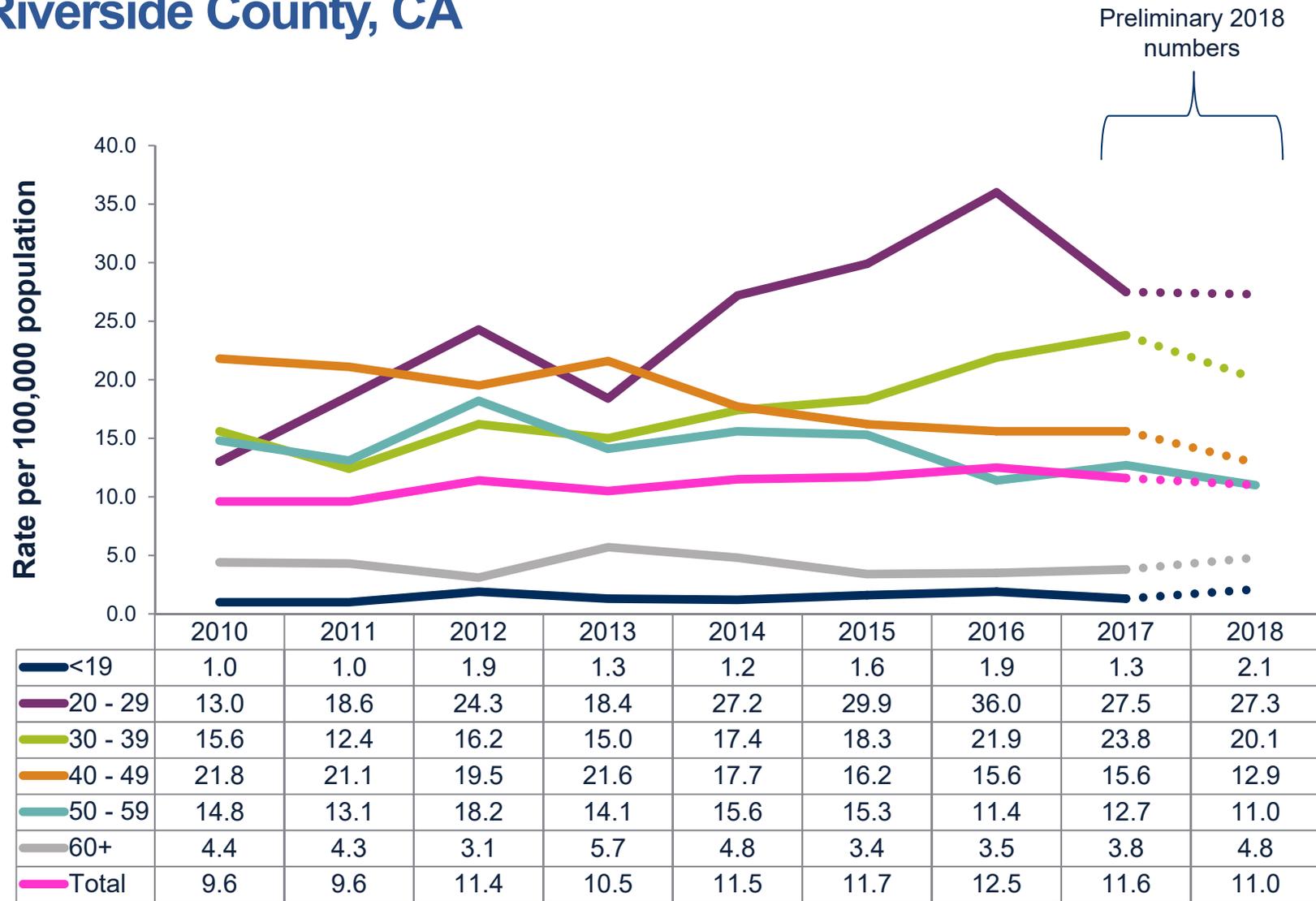
| | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 |
|------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Hispanic | 2.4 | 0.8 | 1.5 | 2.6 | 2.2 | 2.2 | 2.9 | 2.4 | 2.8 | 1.2 | 1.9 | 1.9 | 1.1 | 1.8 | 2.5 | 1.8 |
| Black/African American | 7.3 | 10.4 | 5.7 | 6.8 | 11.3 | 21.3 | 4.8 | 15.3 | 13.6 | 4.5 | 7.4 | 11.7 | 13.0 | 7.1 | 5.7 | 4.2 |
| White | 2.1 | 0.9 | 1.6 | 2.8 | 1.8 | 2.5 | 2.3 | 1.8 | 0.4 | 2.2 | 1.8 | 1.3 | 1.5 | 1.3 | 0.7 | 2.2 |
| All Women | 2.4 | 1.4 | 1.8 | 2.7 | 2.8 | 3.3 | 2.7 | 2.9 | 2.5 | 2.1 | 2.4 | 2.2 | 1.9 | 1.9 | 1.9 | 2.1 |

*Note: Female=Female gender assigned at birth.

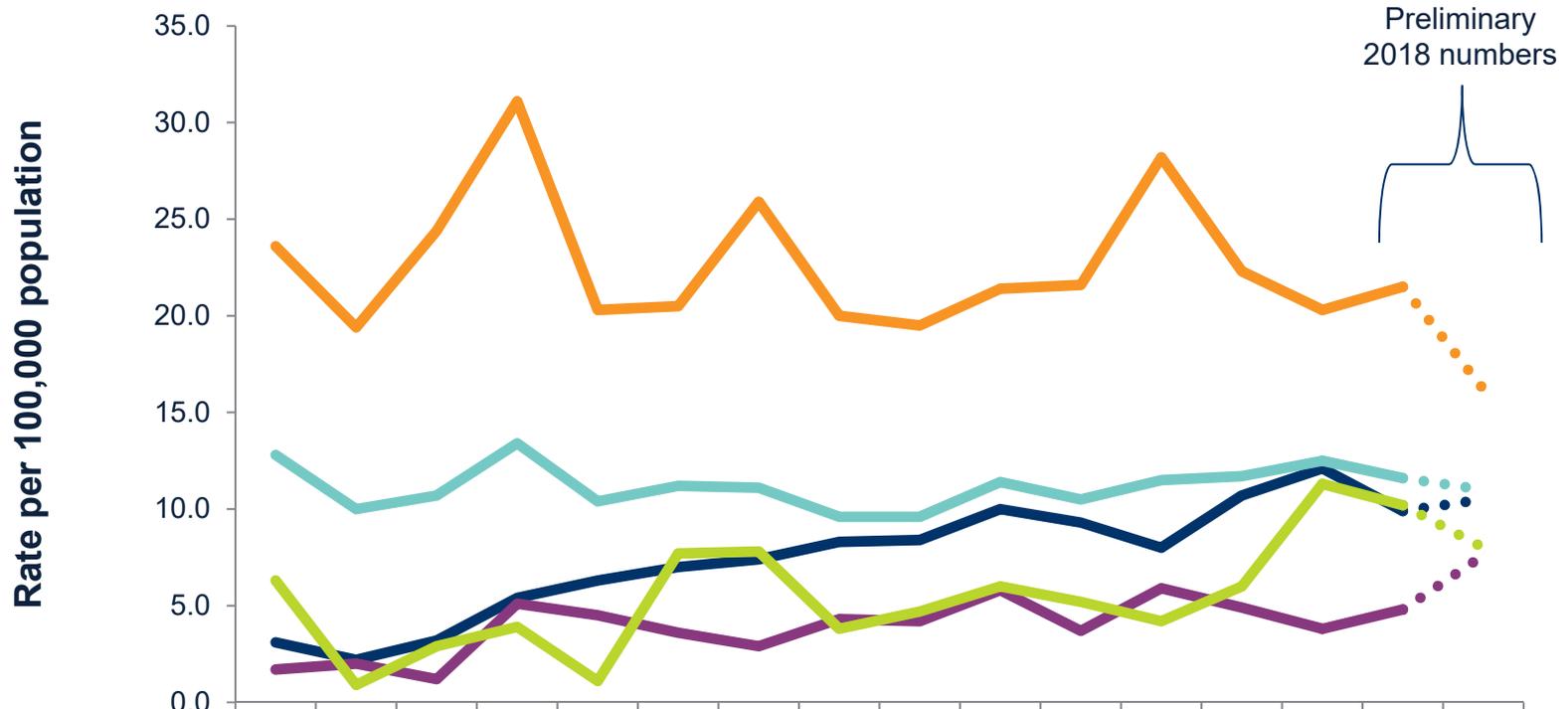
Number of New HIV Cases by Year and Age, Riverside County, CA



Age Specific HIV Incidence Rates by Year, Riverside County, CA

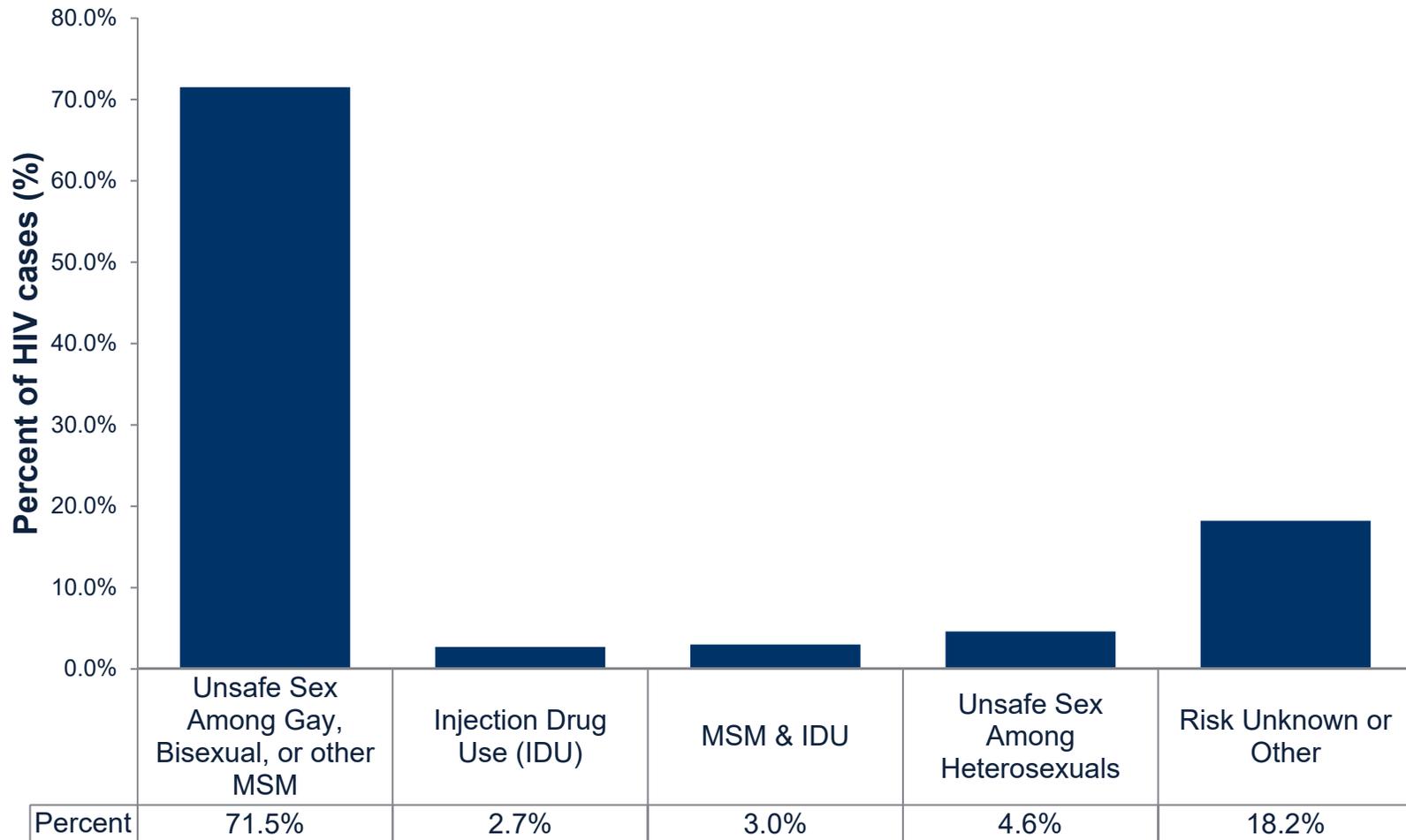


HIV Incidence Rate by Year of Diagnosis and County Region, Riverside County, CA



| | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 |
|------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| West | 3.1 | 2.2 | 3.2 | 5.4 | 6.3 | 7.0 | 7.4 | 8.3 | 8.4 | 10.0 | 9.3 | 8.0 | 10.7 | 12.1 | 9.9 | 10.5 |
| South | 1.7 | 2.0 | 1.2 | 5.1 | 4.5 | 3.6 | 2.9 | 4.3 | 4.2 | 5.8 | 3.7 | 5.9 | 4.9 | 3.8 | 4.8 | 7.6 |
| Mid | 6.3 | 0.9 | 2.9 | 3.9 | 1.1 | 7.7 | 7.8 | 3.8 | 4.7 | 6.0 | 5.2 | 4.2 | 6.0 | 11.3 | 10.2 | 8.0 |
| East | 23.6 | 19.4 | 24.4 | 31.1 | 20.3 | 20.5 | 25.9 | 20.0 | 19.5 | 21.4 | 21.6 | 28.2 | 22.3 | 20.3 | 21.5 | 16.2 |
| Riverside County | 12.8 | 10.0 | 10.7 | 13.4 | 10.4 | 11.2 | 11.1 | 9.6 | 9.6 | 11.4 | 10.5 | 11.5 | 11.7 | 12.5 | 11.6 | 11.0 |

Reported Risk Factor for HIV Cases Diagnosed from 2014 through 2018, Riverside County, CA



MSM: Men who have sex with men
 IDU: Injection Drug Use

Continuum of Care

The HIV continuum of care is a model that outlines the steps or stages of HIV medical care that people living with HIV go through from initial diagnosis to achieving the goal of viral suppression, and shows the proportion of individuals living with HIV who are engaged at each stage (<https://www.hiv.gov/federal-response/policies-issues/hiv-aids-care-continuum>).

- NOTE: The incidence and prevalence numbers in this section are based on the available data at the time the California HIV Surveillance Reports and the Continuum of Care data sets were released by the California Department of Public Health, Office of AIDS. There may be small variations from the numbers described in the rest of this report.

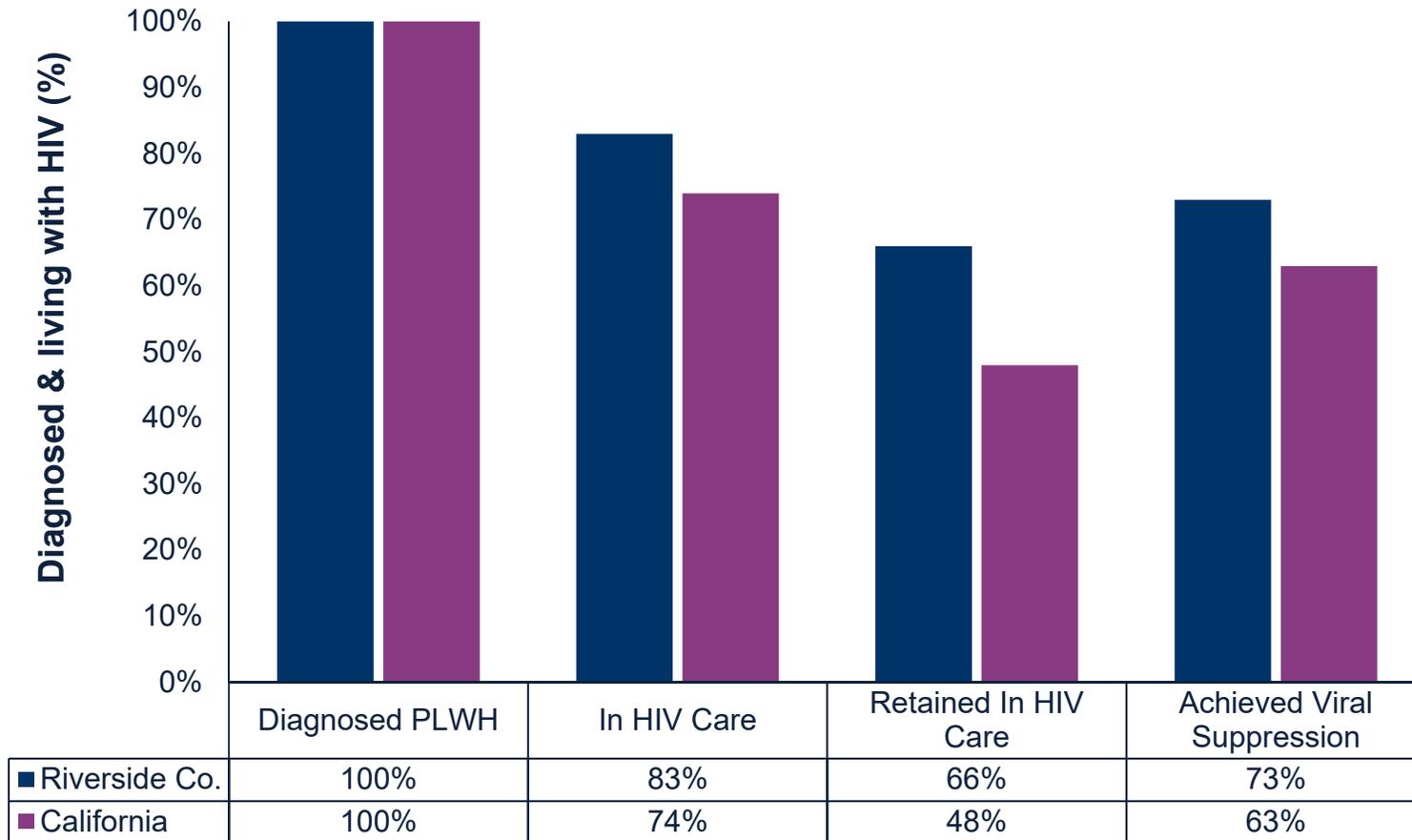
Number and Percent of PLWH In-Care, Retained In-Care, and Virally Suppressed, Riverside County and California, 2017

The 2021 California Integrated Plan Objective is 90% in-Care and 80% Virally Suppressed

| | PLWH | In-Care | | Retained In-Care | | Virally Suppressed | |
|---------------|---------|---------|-----|------------------|-----|--------------------|-----|
| | | N | % | N | % | N | % |
| Riverside Co. | 9,017 | 7,500 | 83% | 5,930 | 66% | 6,582 | 73% |
| California | 135,082 | 99,476 | 74% | 74,214 | 48% | 85,492 | 63% |

In-Care: Persons who had at least one CD4, viral load, or HIV-1 genotype test during the calendar year.
 Retained in Care: Persons who have two or more CD4 or viral load or HIV-1 genotype tests that were performed at least 3 months apart during the calendar year are considered to be retained in care.
 Virally suppressed: Persons whose most recent HIV viral load test result during the calendar year was ≤ 200 copies/ml.

The Overall Continuum of HIV Care: All Persons Living with HIV Infection, Riverside County and California, 2017



In-Care: Persons who had at least one CD4, viral load, or HIV-1 genotype test during the calendar year.

Retained in Care: Persons who have two or more CD4 or viral load or HIV-1 genotype tests that were performed at least 3 months apart during the calendar year are considered to be retained in care.

Virally suppressed: Persons whose most recent HIV viral load test result during the calendar year was ≤ 200 copies/ml.

Number and Percent of New HIV Diagnoses In-Care, Retained In-Care, and Virally Suppressed, Riverside County and California, 2017

| | PLWH | In-Care | | Retained In-Care | | Virally Suppressed | |
|---------------|-------|---------|-----|------------------|-----|--------------------|-----|
| | | N | % | N | % | N | % |
| Riverside Co. | 275* | 256 | 93% | 211 | 77% | 203 | 74% |
| California | 4,791 | 4,326 | 90% | 3,569 | 74% | 3,441 | 72% |

In-Care: Persons who had at least one CD4, viral load, or HIV-1 genotype test within 12 months of diagnosis.

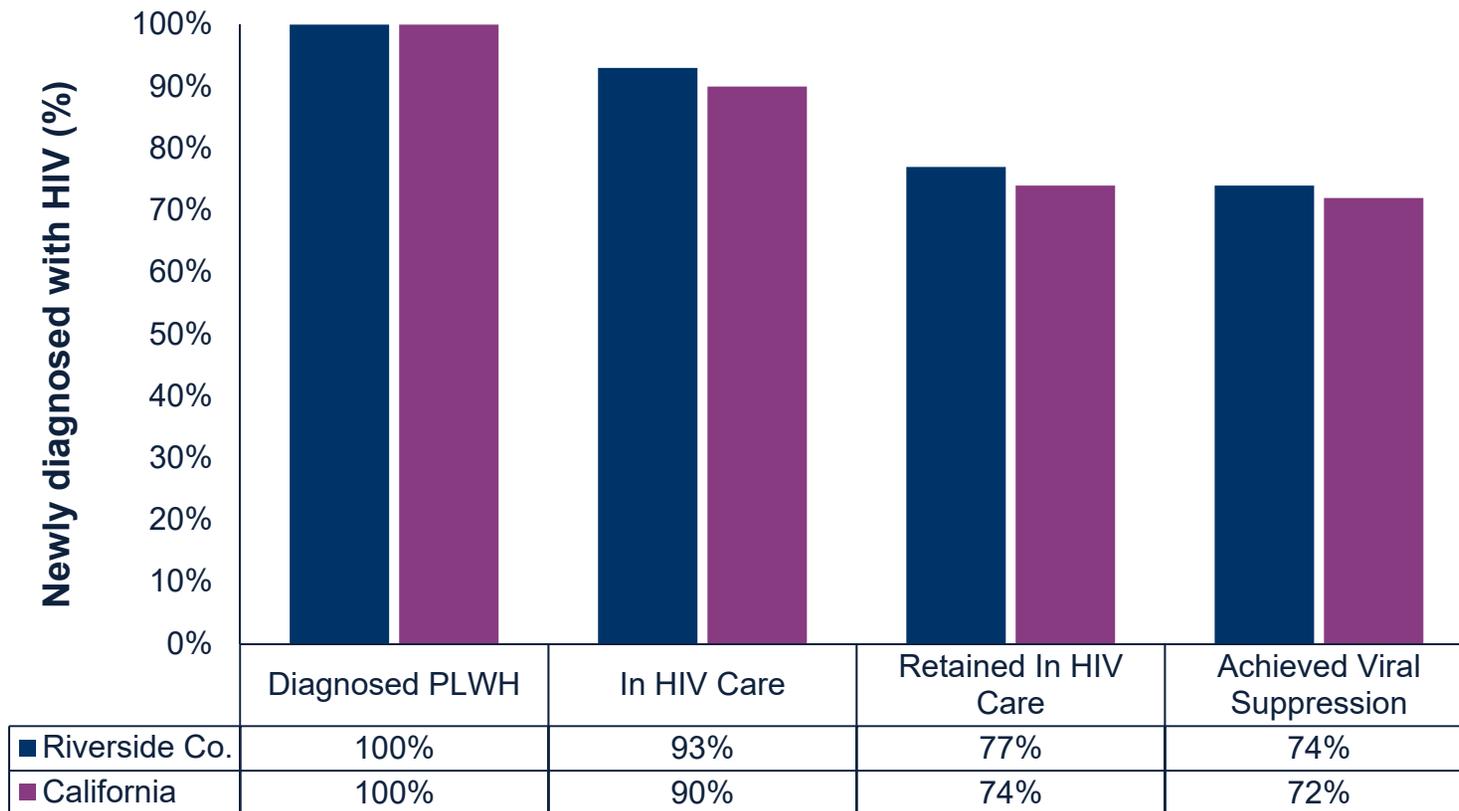
Retained in Care: Newly infected persons who have two or more CD4 or viral load or HIV-1 genotype tests that were performed at least 3 months apart within the 12 months from diagnosis are considered to be retained in care.

Virally suppressed: Persons whose most recent HIV viral load test result during the calendar year was \leq 200 copies/ml.

*Due to differences in the data at the time of analysis there are small variations from the numbers described in the rest of this report.

Analysis by: California Department of Public Health, Office of AIDS

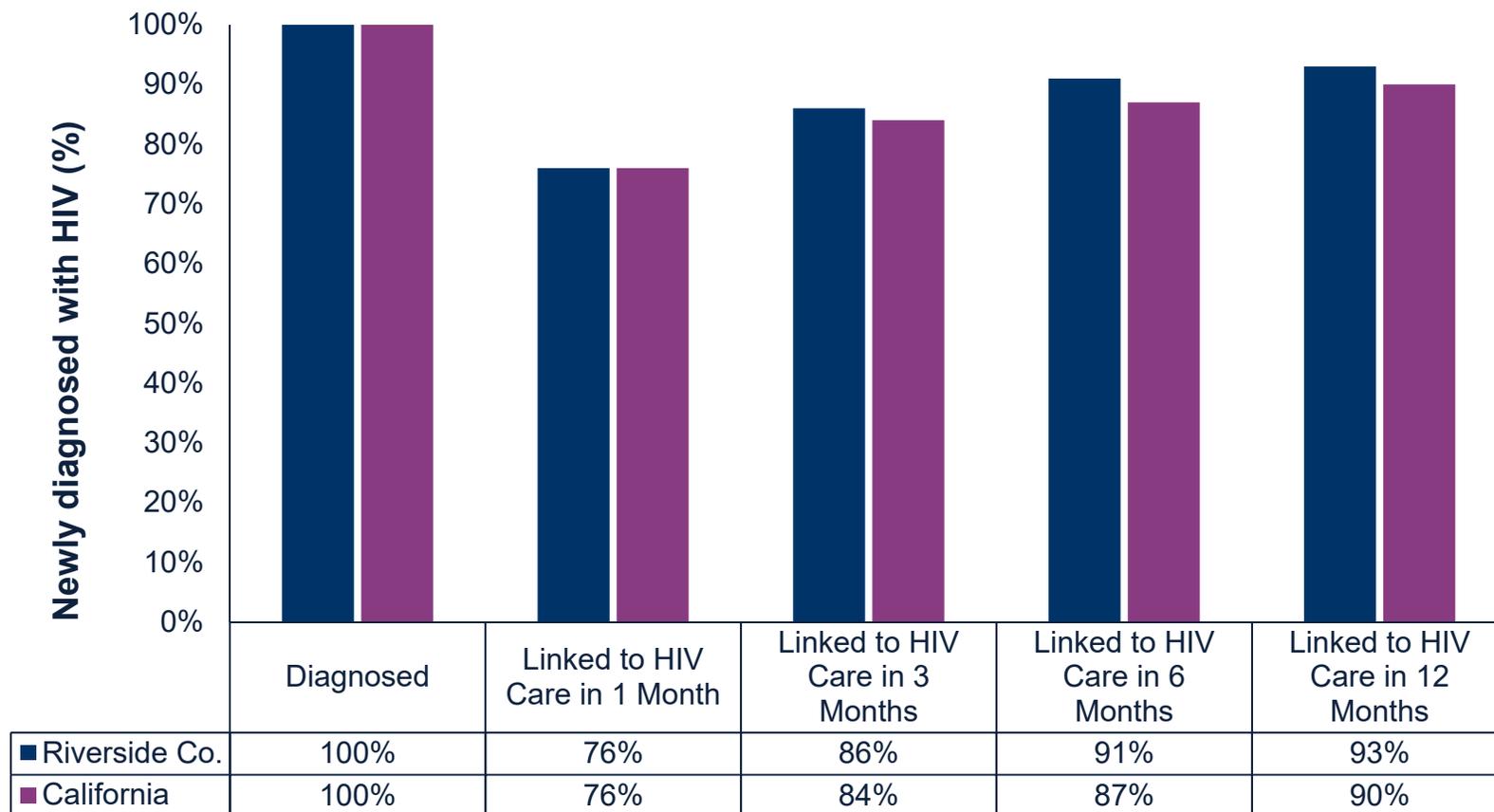
The Continuum of HIV Care: Persons Newly Diagnosed with HIV Infection, Riverside County and California, 2017



In-Care: Persons who had at least one CD4, viral load, or HIV-1 genotype test within 12 months of diagnosis.
 Retained in Care: Newly infected persons who have two or more CD4 or viral load or HIV-1 genotype tests that were performed at least 3 months apart within the 12 months from diagnosis are considered to be retained in care.
 Virally suppressed: Persons whose most recent HIV viral load test result during the calendar year was ≤ 200 copies/ml.

Analysis by: California Department of Public Health, Office of AIDS

Linkage to Care for Persons Newly Diagnosed With HIV, Riverside County and California, 2017



Analysis by: California Department of Public Health, Office of AIDS

Syphilis Co-morbidity

Persons Living With HIV Among Early Syphilis Cases in Riverside County, CA

From 2016 – 2018, on average, 52% of newly diagnosed early syphilis cases were among persons living with HIV.

| | All Early Syphilis | Early Syphilis Rate per 100,000 Population | Early Syphilis Among PLWH (Co-morbidity) | % Co-morbidity |
|------|--------------------|--------------------------------------------|------------------------------------------|----------------|
| 2016 | 517 | 21.9 | 291 | 56.3% |
| 2017 | 532 | 22.2 | 268 | 50.4% |
| 2018 | 665 | 27.5 | 325 | 48.9% |

Note: Early syphilis includes primary, secondary, and early latent diagnoses.

Persons Living With HIV Among Early Syphilis Cases by County Region, Riverside County, CA, 2018

| | All Early Syphilis | Early Syphilis Rate per 100,000 Population | Early Syphilis Among PLWH (Co-morbidity) | % Co-morbidity |
|---------------------|--------------------|--------------------------------------------|------------------------------------------|----------------|
| West Riverside Co. | 262 | 20.8 | 98 | 37.4% |
| South Riverside Co. | 50 | 12.0 | 19 | 38.0% |
| Mid-Riverside Co. | 69 | 18.3 | 18 | 26.1% |
| East Riverside Co. | 277 | 59.3 | 187 | 67.5% |
| Unknown | 7 | — | 3 | 42.9% |

Note: Early syphilis includes primary, secondary, and early latent diagnoses.

Riverside County HIV Summary

Summary

Prevalence:

- There are currently 9,515 people reported living with HIV in Riverside County.
- Of PLWH diagnosed in the county, 63% are White.
- East Riverside County has three times the number of PLWH than any other county region.
- The greatest proportion of African American PLWH are in west Riverside County.
- Over two-thirds (69%) of people living with HIV in Riverside County are 50 years old or older.

Summary Continued

Prevalence cont.:

- There are 64 reported transgender PLWH in Riverside County. This is likely an undercount due to non-disclosure of gender identity status.
 - 42% of transgender PLWH live in west Riverside County, 36% in the east.
 - 61% of transgender PLWH are under 50 years old, 39% are 50 years old or older.
 - 61% transgender PLWH are non-white

Incidence:

- Since 2014, three-quarters (74.5%) of newly diagnosed HIV cases have been Gay, Bisexual or other men who have unprotected sex with men (MSM).
- Over the past three years (2016 – 2018), over forty percent (42.0%) of new HIV cases in Riverside County were in people younger than 30 years old.
- Over the past three years (2016 – 2018), nearly twenty percent (19.4%) of all new HIV cases in Riverside County were in people 50 years old or older.

Summary Continued

Incidence Cont.:

- In 2018, though only 6% of the population, African Americans represent 12% of new HIV cases diagnosed in the county.
- Since 2016, there have been 8 new HIV diagnoses among transgender persons.
- On average, 52% of newly diagnosed early syphilis cases were among persons living with HIV.

HIV in East Riverside County

HIV/AIDS in East Riverside County

- There are currently 6,319 people reported to be living with HIV in east Riverside County.
- The prevalence rate of PLWH in Palm Springs (7,300.0 per 100,000) is over 20 times higher than California overall (340.3 per 100,000).
- Two-thirds (66.4%) of all PLWH in Riverside County reside in east Riverside County.
- East Riverside County is home to an older group of PLWH.
 - The median age of persons living with HIV in east Riverside County is 58 years, compared to 49 years in the rest of the county.
 - 42.5% of all people living with HIV in east Riverside County are 60 or older. In the rest of Riverside County, only 17.0% of those living with HIV are over 60.

East Riverside County HIV Incidence, 2009 - 2018

- From 2009 through 2018 there have been 1,021 new HIV cases diagnosed in east Riverside County.
 - Average of 102.1 new cases per year.
- From 2009 through 2018 over 60% all HIV cases diagnosed in east Riverside County are among adults 40 years old or older.

| Age group | Percent of new cases |
|------------------------|----------------------|
| Under 20 | 1.9% |
| 20 – 29 | 19.6% |
| 30 – 39 | 17.2% |
| 40 – 49 | 26.3% |
| 50 – 59 | 22.8% |
| 60 – 69 | 9.6% |
| 70 years old and older | 2.5% |

East Riverside County HIV Incidence, 2009 - 2018

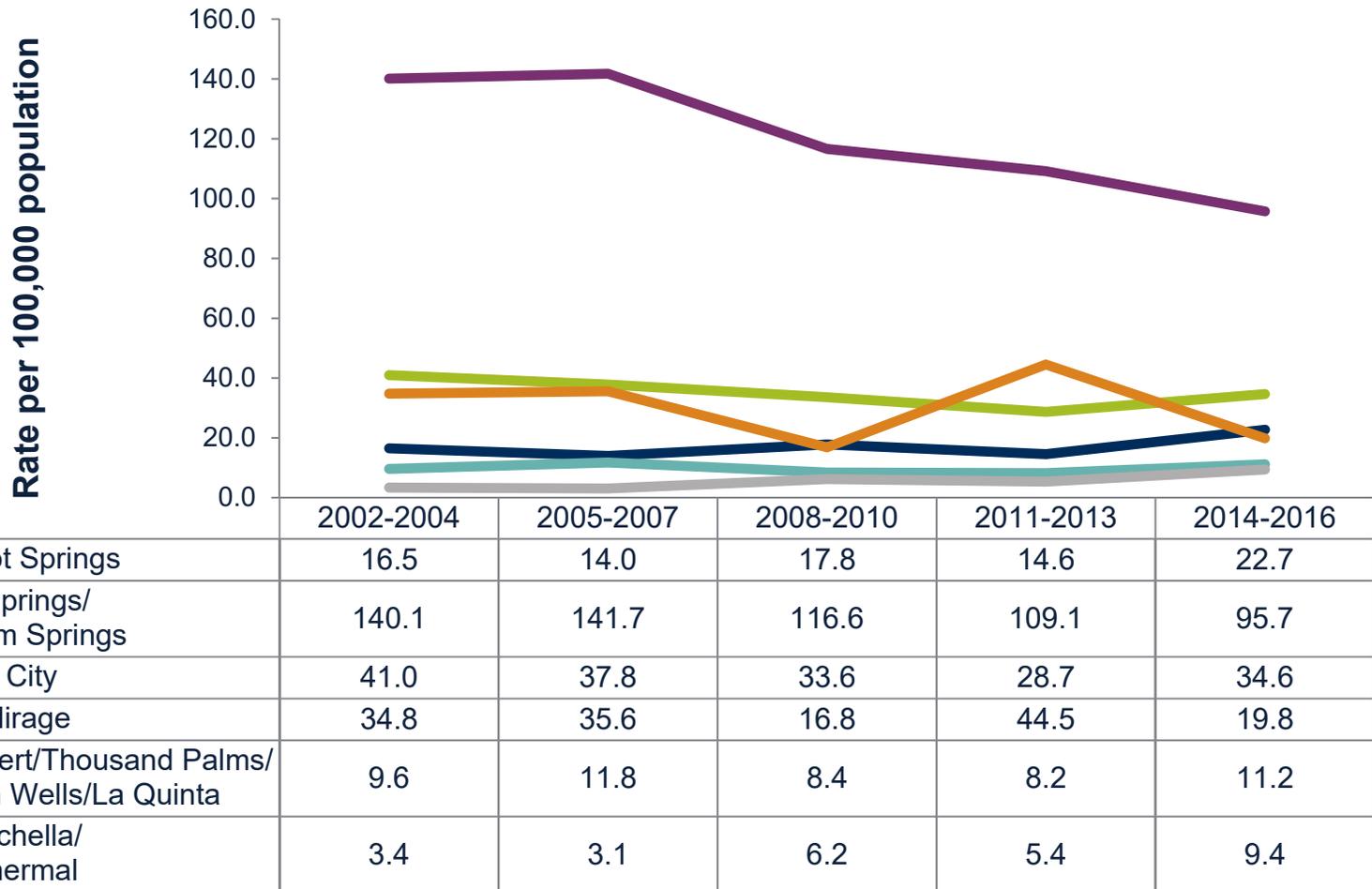
- Most new HIV diagnoses in east Riverside County are among White non-Hispanic men.

| Gender* | Percent of new cases |
|---------|----------------------|
| Male | 94.9% |
| Female | 5.1% |

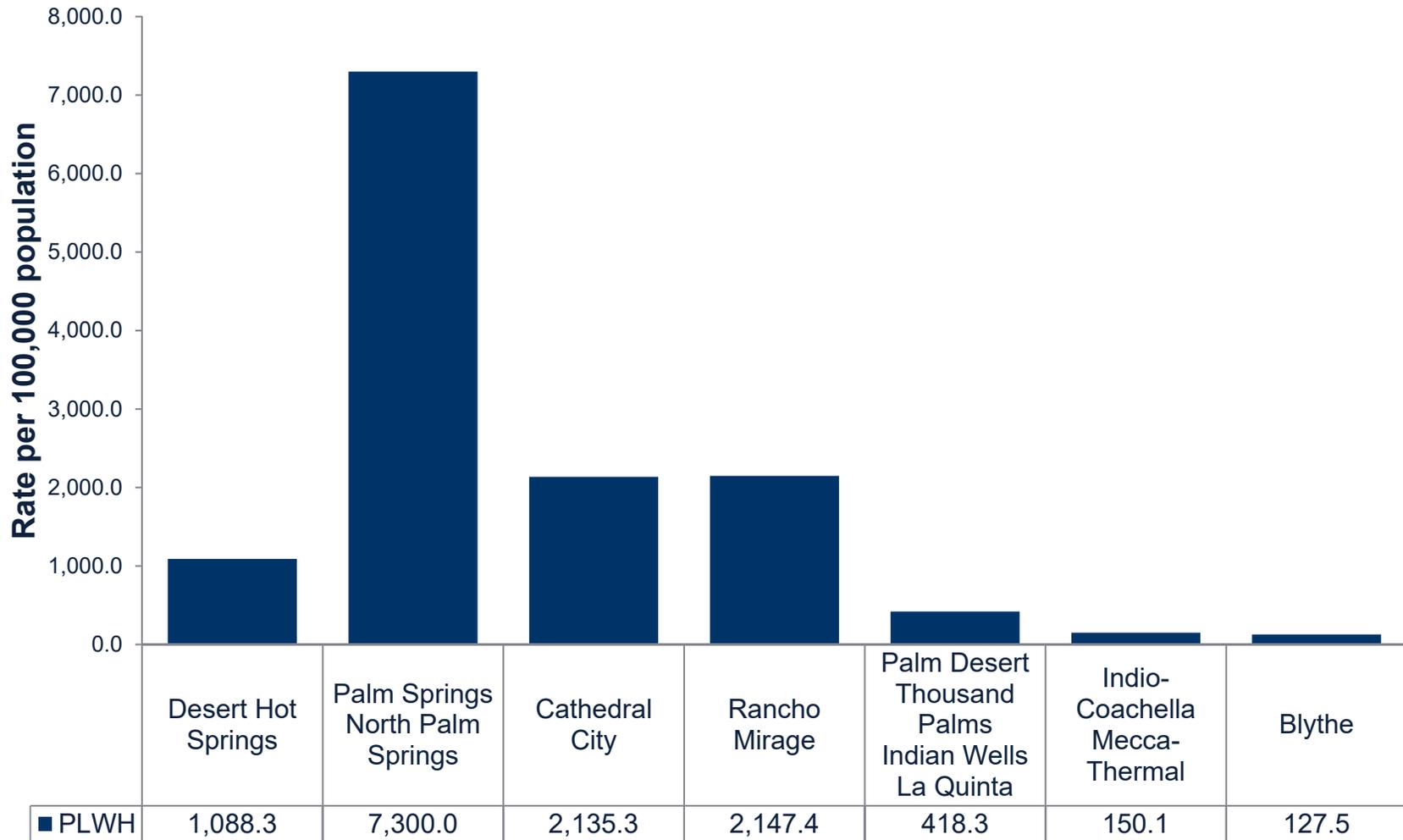
| Ethnicity | Percent of new cases |
|------------------------|----------------------|
| Hispanic | 31.0% |
| Black/African American | 3.9% |
| White | 60.7% |
| All Other | 4.4% |

*Note: Gender = Gender assigned at birth. There were less than 5 reported transgender people diagnosed with HIV in east Riverside County from 2009 – 2018.

3-Year Average HIV Incidence, Coachella Valley, 2002 - 2016



Prevalence of Persons Living with HIV, East Riverside County, 2017



East Riverside County – Zip Code Key

| | Desert Hot Springs | Palm Springs/ North Palm Springs | Cathedral City | Rancho Mirage | Palm Desert/Thousand Palms/ Indian Wells/La Quinta | Indio/Coachella/ Mecca/Thermal | Blythe |
|----------------------------------------------|--------------------|-------------------------------------|----------------|---------------|-------------------------------------------------------|-----------------------------------|--------|
| | 92240 | 92262 | 92234 | 92270 | 92211 | 92201 | 92225 |
| | 92241 | 92264 | | | 92260 | 92203 | |
| | | 92258 | | | 92276 | 92236 | |
| | | | | | 92210 | 92254 | |
| | | | | | 92253 | 92274 | |
| 2003-2007 Population Estimate | 35,646 | 45,360 | 47,318 | 14,834 | 94,218 | 133,141 | |
| 2008-2012 ACS Population Estimate | 43,001 | 46,228 | 51,507 | 17,215 | 105,345 | 158,326 | 24,292 |
| 2013 – 2017 ACS Population Estimate | 43,370 | 48,726 | 53,717 | 17,975 | 111,399 | 168,599 | 21,966 |

HIV in Mid-Riverside County, CA

HIV/AIDS in Mid-Riverside County, CA

- There are currently 660 people reported to be living with HIV in the mid-section of the county.
- 6.9% of all PLWH in Riverside County reside in the mid-part of the county.
- From 2009 through 2018, there have been 208 HIV cases diagnosed in the mid-part of the county.
 - Average of 20.8 new cases per year.

Mid-Riverside County HIV Incidence, 2009 - 2018

- From 2009 through 2018, over a third of all new HIV cases in mid-Riverside County were among 20 – 29 year olds.

| Age group | Percent of new cases |
|-------------------------|----------------------|
| Under 20 | 3.8% |
| 20 - 29 | 35.1% |
| 30 - 39 | 20.7% |
| 40 - 49 | 20.7% |
| 50 - 59 | 14.4% |
| 60 years old and older* | 5.3% |

*Further age breakdown masked due to small numbers

Mid-Riverside County HIV Incidence, 2009 - 2018

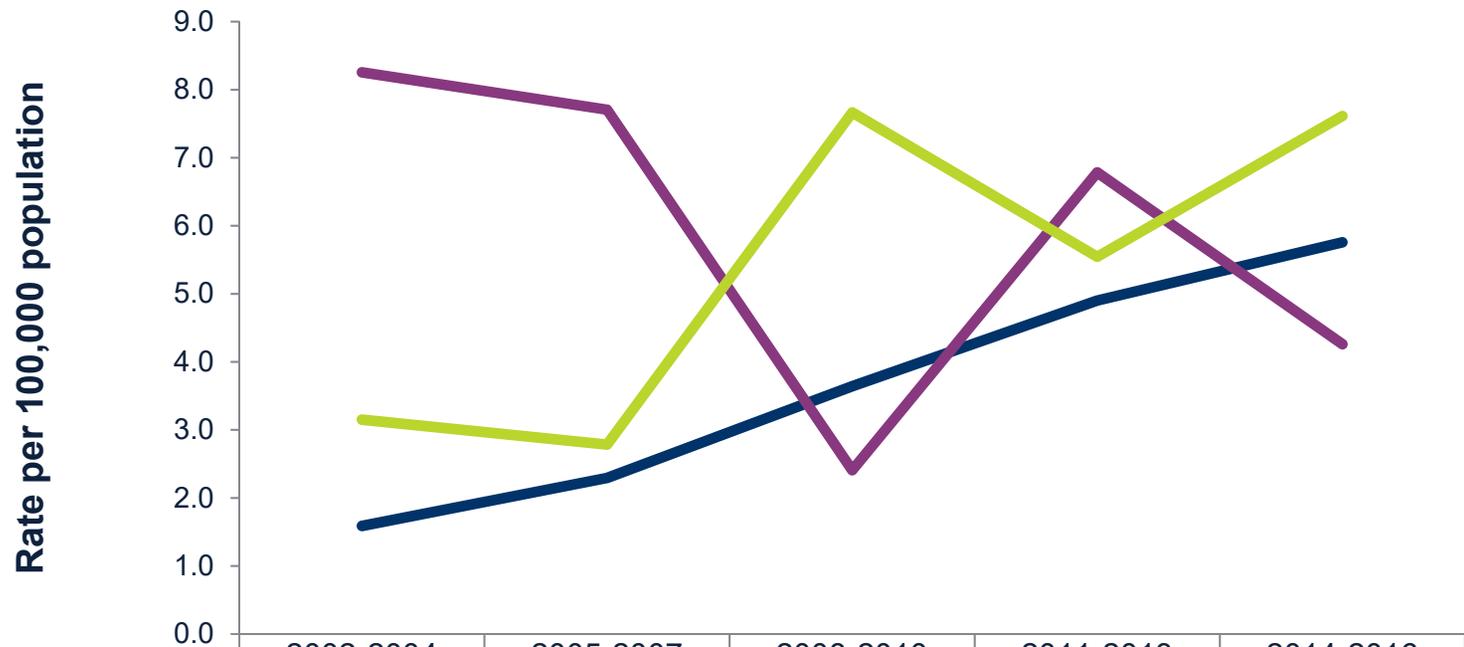
- Most new HIV cases in mid-Riverside County are among non-white men.

| Gender* | Percent of new cases |
|---------|----------------------|
| Male | 82.2% |
| Female | 17.8% |

| Ethnicity | Percent of new cases |
|------------------------|----------------------|
| Hispanic | 34.1% |
| Black/African American | 18.8% |
| White | 39.4% |
| All Other | 7.7% |

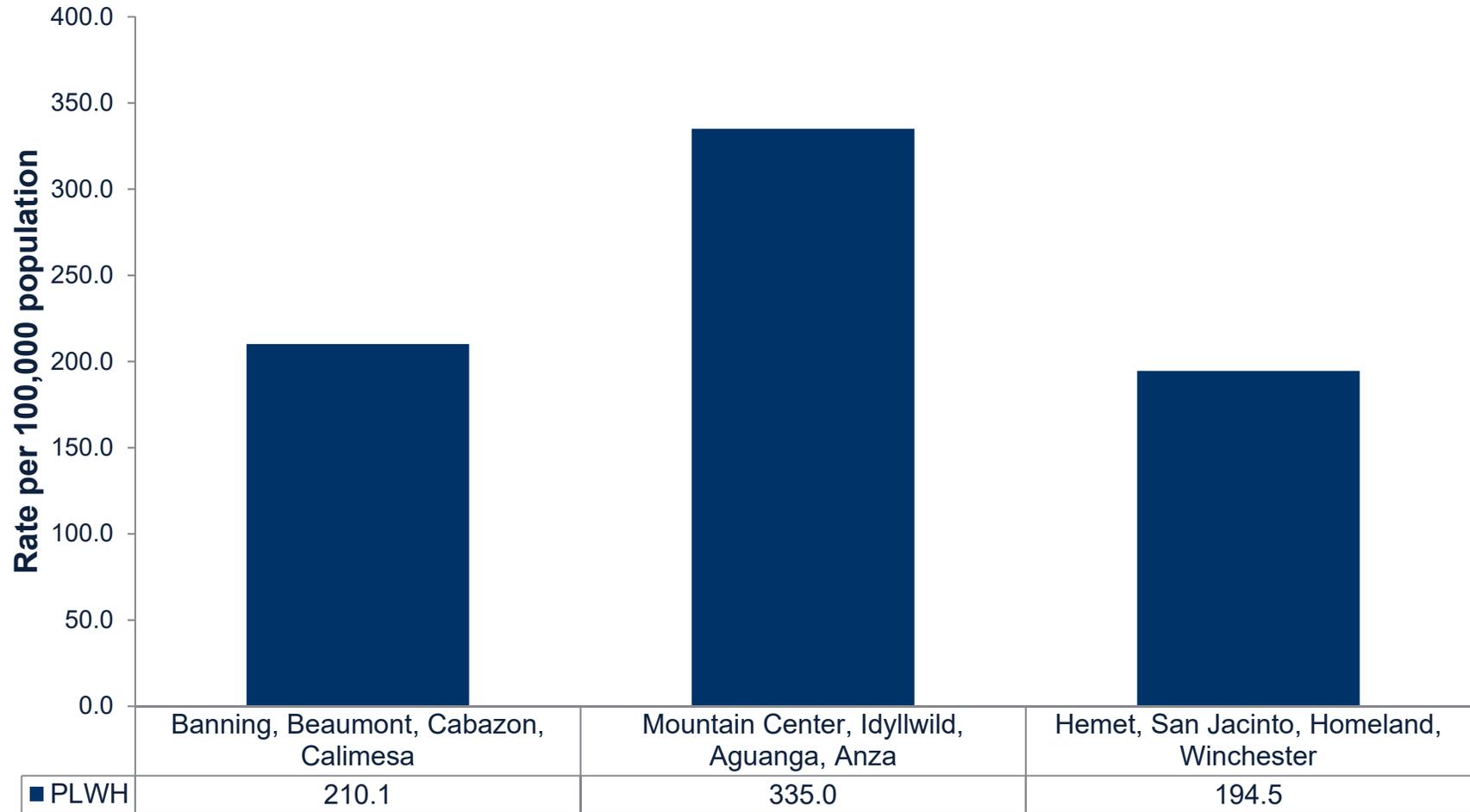
*Note: Gender = Gender assigned at birth. There were less than 5 reported transgender people diagnosed with HIV in mid-Riverside County from 2009 – 2018.

3-Year Average HIV Incidence Rates, Mid-Riverside County, 2002 - 2016



| | 2002-2004 | 2005-2007 | 2008-2010 | 2011-2013 | 2014-2016 |
|-------------------------------------------------------------------------------------------------------------------------------|-----------|-----------|-----------|-----------|-----------|
|  Cabazon, Banning, Beaumont, Calimesa | 1.6 | 2.3 | 3.6 | 4.9 | 5.8 |
|  Mountain Center, Idyllwild, Anza, Aguanga | 8.3 | 7.7 | 2.4 | 6.8 | 4.3 |
|  San Jacinto, Hemet, Homeland, Winchester | 3.1 | 2.8 | 7.7 | 5.5 | 7.6 |

Prevalence of Persons Living with HIV/AIDS, Mid-Riverside County, 2018



Mid-Riverside County Zip-Code Key

| | Cabazon, Banning, Beaumont, Calimesa | Mountain Center, Idyllwild, Anza, Aguanga | San Jacinto, Hemet, Homeland, Winchester |
|-------------------------------------------|-----------------------------------------|-------------------------------------------------|---------------------------------------------|
| | 92230 | 92561 | 92582 |
| | 92220 | 92549 | 92583 |
| | 92223 | 92539 | 92543 |
| | 92320 | 92536 | 92544 |
| | | | 92545 |
| | | | 92548 |
| | | | 92596 |
| 2002-2004 Population Estimate | 62,939 | 12,112 | 148,158 |
| 2005-2007 Population Estimate | 72,643 | 12,977 | 167,567 |
| 2008-2010 Population Estimate | 82,346 | 13,843 | 186,976 |
| 2011-2013 Population Estimate | 88,403 | 14,737 | 198,394 |
| 2014-2016 Population Estimate | 92,636 | 15,646 | 205,816 |
| 2013 – 2017 ACS Population Estimate | 97,564 | 12,240 | 212,857 |

HIV in South Riverside County, CA

HIV/AIDS in South Riverside County, CA

- There are currently 424 people reported to be living with HIV in the south section of the county.
- 4.5% of all PLWH in Riverside County reside in the south part of the county.
- From 2009 through 2018, there have been 170 HIV cases diagnosed in the south region of the county.
 - Average of 17 new cases per year.

South Riverside County HIV Incidence, 2009 - 2018

- From 2009 through 2018, over a third of all new HIV cases diagnosed in south Riverside County were among those 20 – 29 years old.

| Age group | Percent of new cases |
|-------------------------|----------------------|
| Under 20 | 7.6% |
| 20 – 29 | 35.9% |
| 30 – 39 | 21.2% |
| 40 – 49 | 23.5% |
| 50 – 59 | 9.4% |
| 60 years old and older* | 2.4% |

*Further age breakdown masked due to small numbers

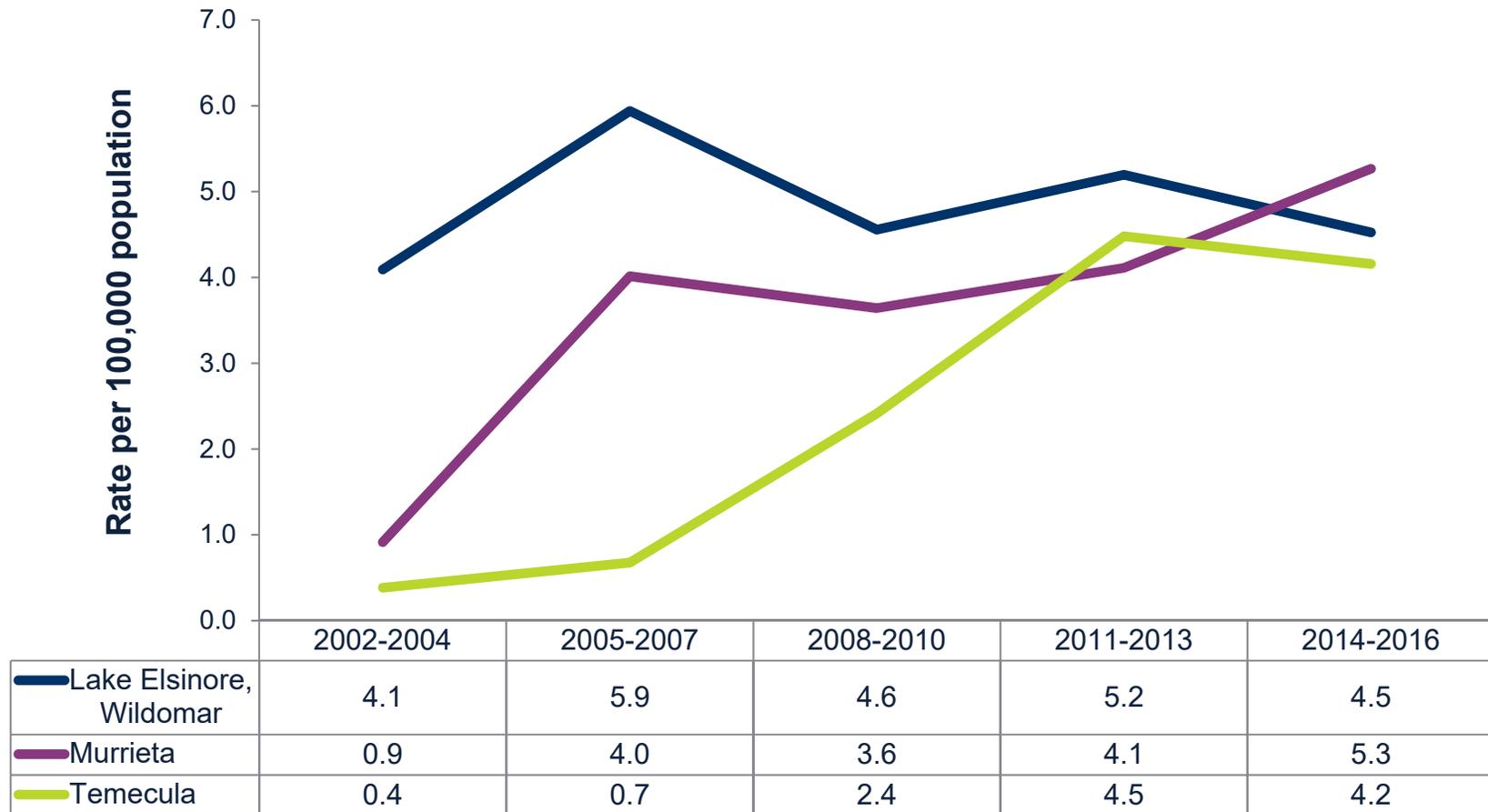
South Riverside County HIV Incidence, 2009 - 2018

| Gender* | Percent of new cases |
|---------|----------------------|
| Male | 87.6% |
| Female | 12.4% |

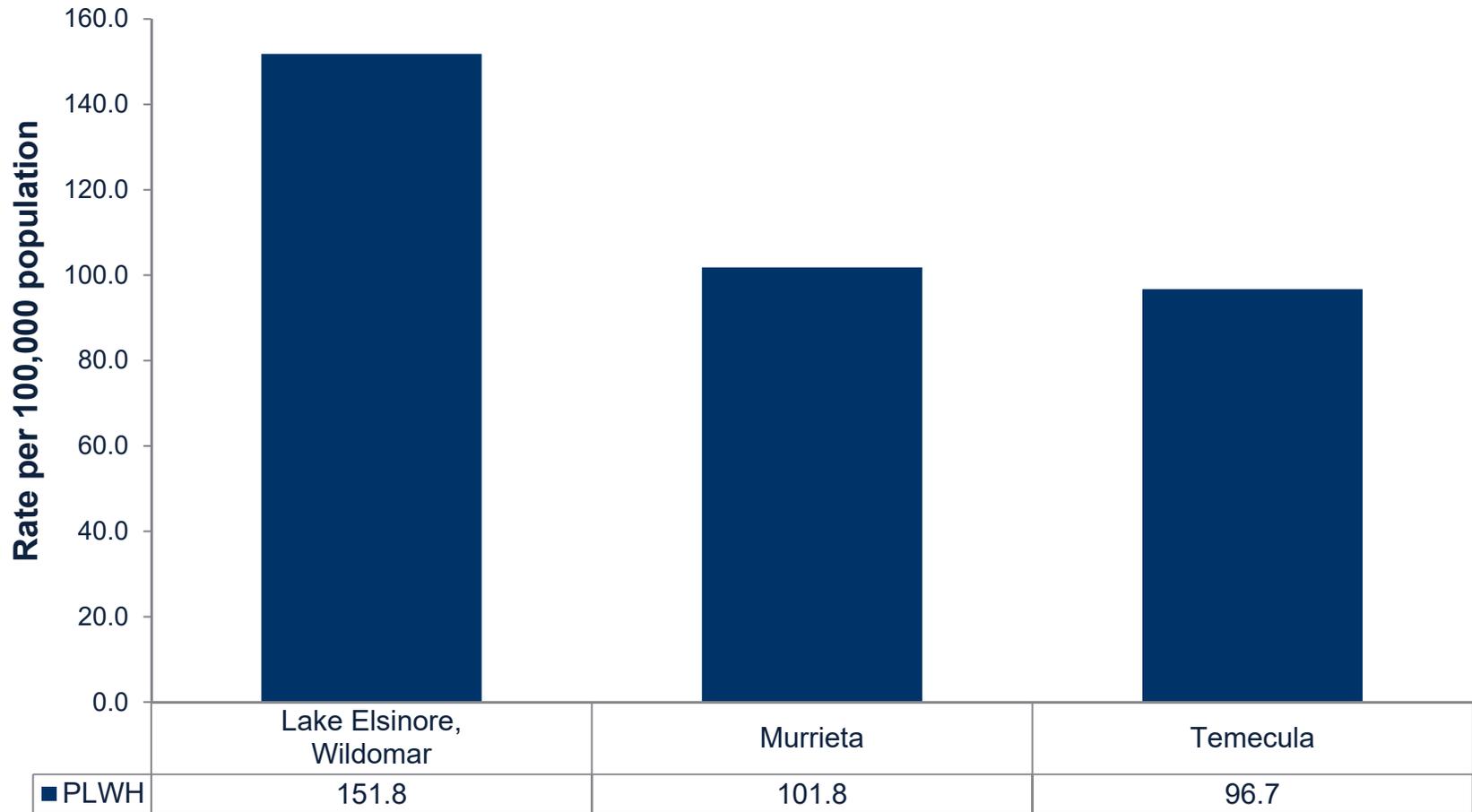
| Ethnicity | Percent of new cases |
|------------------------|----------------------|
| Hispanic | 36.5% |
| Black/African American | 12.9% |
| White | 41.8% |
| All Other | 8.8% |

*Note: Gender = Gender assigned at birth. There were less than 5 reported transgender people diagnosed with HIV in south-Riverside County from 2009 – 2018.

3-Year Average HIV Incidence Rates, South Riverside County, 2002 - 2016



Prevalence of Persons Living with HIV/AIDS, South Riverside County, 2018



South Riverside County Zip-Code Key

| | Lake Elsinore, Wildomar | Murrieta | Temecula |
|-------------------------------------------|----------------------------|----------|----------|
| | 92530 | 92562 | 92590 |
| | 92532 | 92563 | 92591 |
| | 92595 | | 92592 |
| 2002-2004 Population Estimate | 73,304 | 72,894 | 86,740 |
| 2005-2007 Population Estimate | 84,193 | 91,355 | 98,605 |
| 2008-2010 Population Estimate | 95,081 | 109,817 | 110,469 |
| 2011-2013 Population Estimate | 102,634 | 121,626 | 119,040 |
| 2014-2016 Population Estimate | 108,519 | 130,109 | 125,963 |
| 2013 – 2017 ACS Population Estimate | 112,621 | 127,718 | 127,242 |

HIV in West Riverside County, CA

HIV in West Riverside County, CA

- There are currently 2,092 people reported to be living with HIV in west Riverside County.
- Nearly a quarter (22%) of all PLWH in Riverside County reside in the west part of the county.
- West Riverside County is home to a younger and more diverse group of PLWH than the east region.
 - The median age of persons living with HIV in the west part of the county is 47 years, compared to 57 in the rest of the county.
 - 16% of all people living with HIV in west county are 30 or younger. In the rest of Riverside County, only 4.3% of those living with HIV/AIDS are 30 or younger.
 - 70% of all people living with HIV in west Riverside County are non-white. In the rest of Riverside County, only 28% of PLWH are non-white.

West Riverside County HIV Incidence, 2009 - 2018

- From 2009 through 2018, there have been 1,103 HIV cases diagnosed in the west part of the county.
 - Average of 110.3 new cases per year.
- From 2009 through 2018, over two-thirds (69%) of all new HIV cases diagnosed in west Riverside County were among those younger than 40 years old.

| Age group | Percent of new cases |
|------------------------|----------------------|
| Under 20 | 5.3% |
| 20 – 29 | 40.4% |
| 30 – 39 | 23.8% |
| 40 – 49 | 17.6% |
| 50 – 59 | 9.9% |
| 60 – 69 | 2.5% |
| 70 years old and older | 0.5% |

West Riverside County HIV Incidence, 2008 - 2017

- Most new HIV cases in west Riverside County are among Hispanic men.

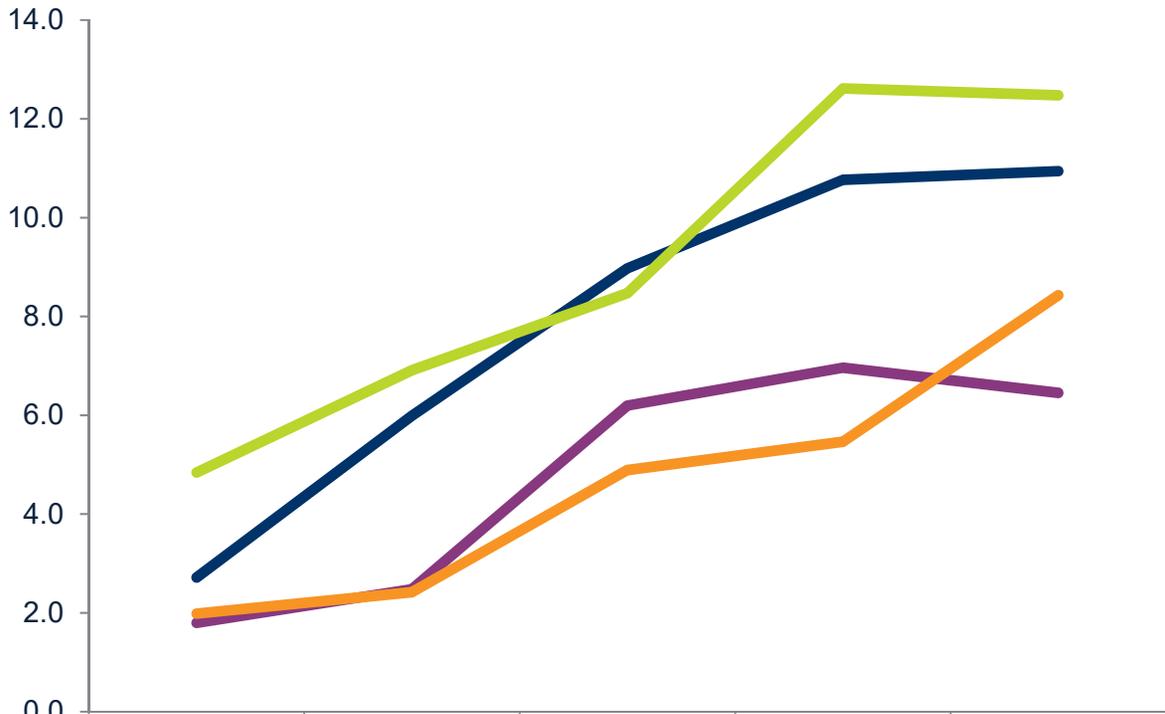
| Gender* | Percent of new cases |
|---------|----------------------|
| Male | 86.9% |
| Female | 13.1% |

| Ethnicity | Percent of new cases |
|------------------------|----------------------|
| Hispanic | 50.0% |
| Black/African American | 18.9% |
| White | 25.4% |
| All Other | 5.7% |

*Note: Gender = Gender assigned at birth. There were 15 (1.4% of cases) reported transgender cases diagnosed with HIV in south-Riverside County from 2009 – 2018.

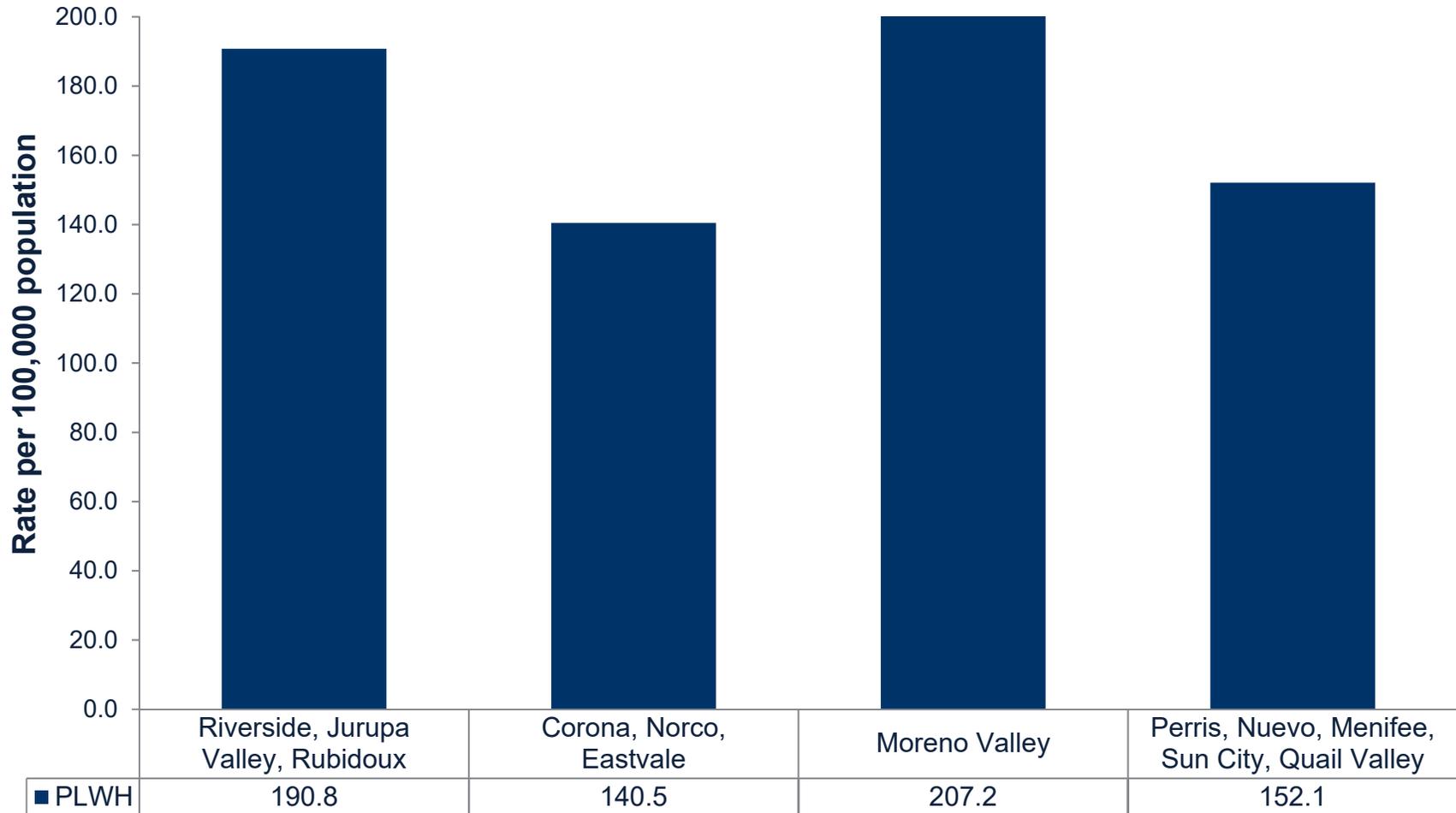
3-Year Average HIV Incidence, West Riverside County, 2002 - 2016

Rate per 100,000 population



| | 2002-2004 | 2005-2007 | 2008-2010 | 2011-2013 | 2014-2016 |
|--------------------------------------------------|-----------|-----------|-----------|-----------|-----------|
| — Riverside, Jurupa Valley, Rubidoux | 2.7 | 6.0 | 9.0 | 10.8 | 10.9 |
| — Corona, Norco, Eastvale | 1.8 | 2.5 | 6.2 | 7.0 | 6.5 |
| — Moreno Valley | 4.8 | 6.9 | 8.5 | 12.6 | 12.5 |
| — Perris, Nuevo, Menifee, Sun City, Quail Valley | 2.0 | 2.4 | 4.9 | 5.5 | 8.4 |

Prevalence of Persons Living with HIV/AIDS, West Riverside County, 2018



West Riverside County Zip-Code Key

| | Riverside, Jurupa Valley, Mira Loma, Rubidoux, March ARB | Corona, Norco, Eastvale | Moreno Valley | Perris, Nuevo, Menifee, Sun City, Quail Valley |
|-------------------------------------------|----------------------------------------------------------------|----------------------------|---------------|------------------------------------------------------|
| | 91752 | 92879 | 92551 | 92567 |
| | 92501 | 92880 | 92553 | 92570 |
| | 92503 | 92881 | 92555 | 92571 |
| | 92504 | 92882 | 92557 | 92584 |
| | 92505 | 92883 | | 92585 |
| | 92506 | 92860 | | 92586 |
| | 92507 | | | 92587 |
| | 92508 | | | |
| | 92509 | | | |
| | 92518 | | | |
| 2002-2004 Population Estimate | 392,547 | 204,023 | 158,342 | 151,160 |
| 2005-2007 Population Estimate | 417,318 | 228,405 | 173,595 | 177,817 |
| 2008-2010 Population Estimate | 442,084 | 252,788 | 188,849 | 204,473 |
| 2011-2013 Population Estimate | 455,220 | 268,096 | 198,187 | 219,590 |
| 2014-2016 Population Estimate | 466,157 | 278,868 | 205,717 | 228,937 |
| 2013 – 2017 ACS Population Estimate | 480,138 | 280,504 | 204,123 | 236,047 |

Notes & Data Sources:

Unless otherwise noted, all HIV statistics come from HIV and AIDS cases reported to Riverside County Department of Public Health as of December 31, 2018.

* Data extracted from the Enhanced HIV/AIDS Reporting System (eHARS) 2nd quarter (July), 2019

Population:

U.S. Census Bureau, 2000 and 2010 Census

2005 – 2017 U.S. Census Bureau, American Community Survey Estimates

2001 – 2004 California Department of Finance Population Estimates

State of California, Department of Finance, Report P-3: State and County Population Projections Dataset. Sacramento, California, May, 2019.

Continuum of Care Data:

California Department of Public Health, Office of AIDS, California HIV Surveillance Report — 2017.

Local Health Jurisdiction Continuum of Care Analysis, California Department of Public Health, Office of AIDS, March 14 2019, dataset.

Syphilis Data:

California Department of Public Health, California Reportable Disease Information Exchange (CalREDIE).
Extracted July 18, 2019.

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