

Epidemiology of HIV in Riverside County, 2020

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.

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,

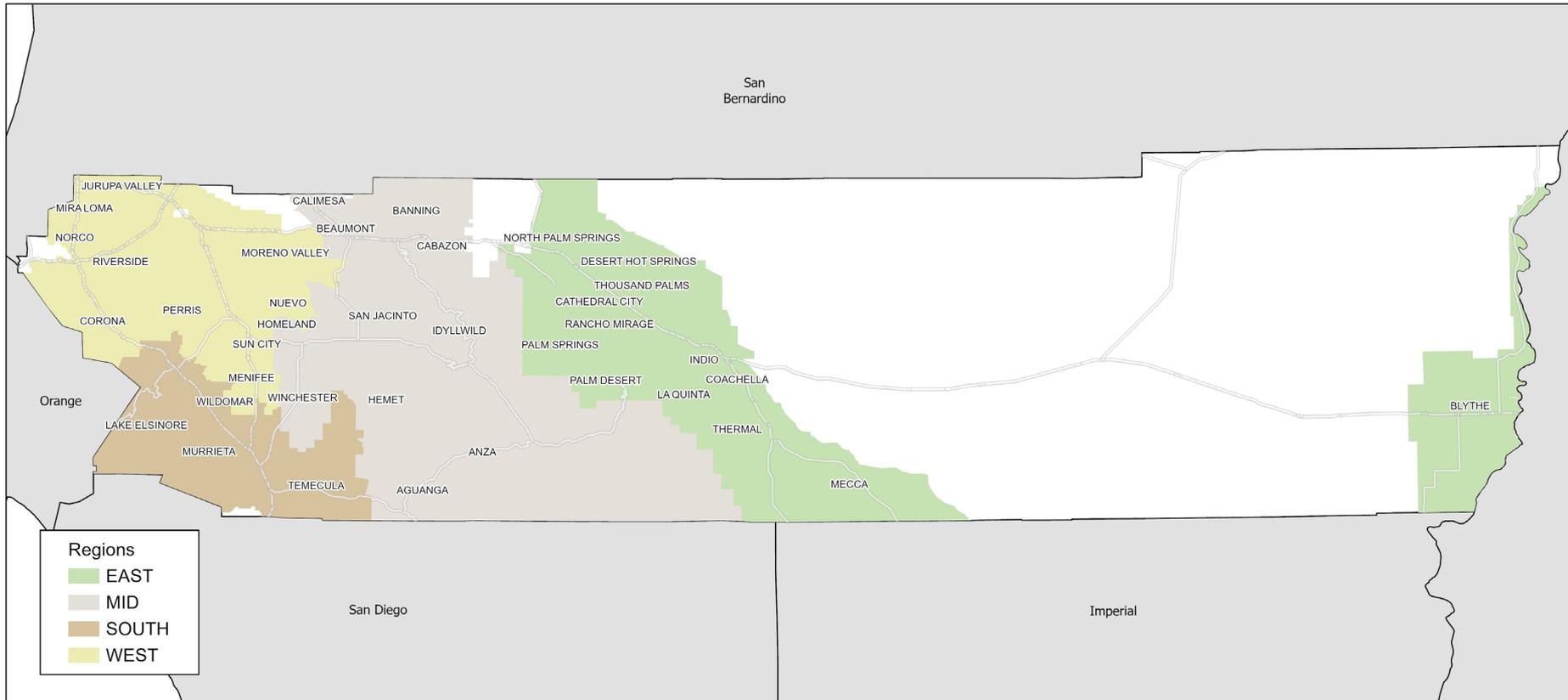
- **Prevalence:** Refers to living persons with HIV disease who are reported to be living in Riverside County, regardless of time of infection or date of diagnosis.
- **Incidence:** Newly diagnosed cases of HIV in a population during a specific time period.
- **Rate:** Common method used to compare the 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

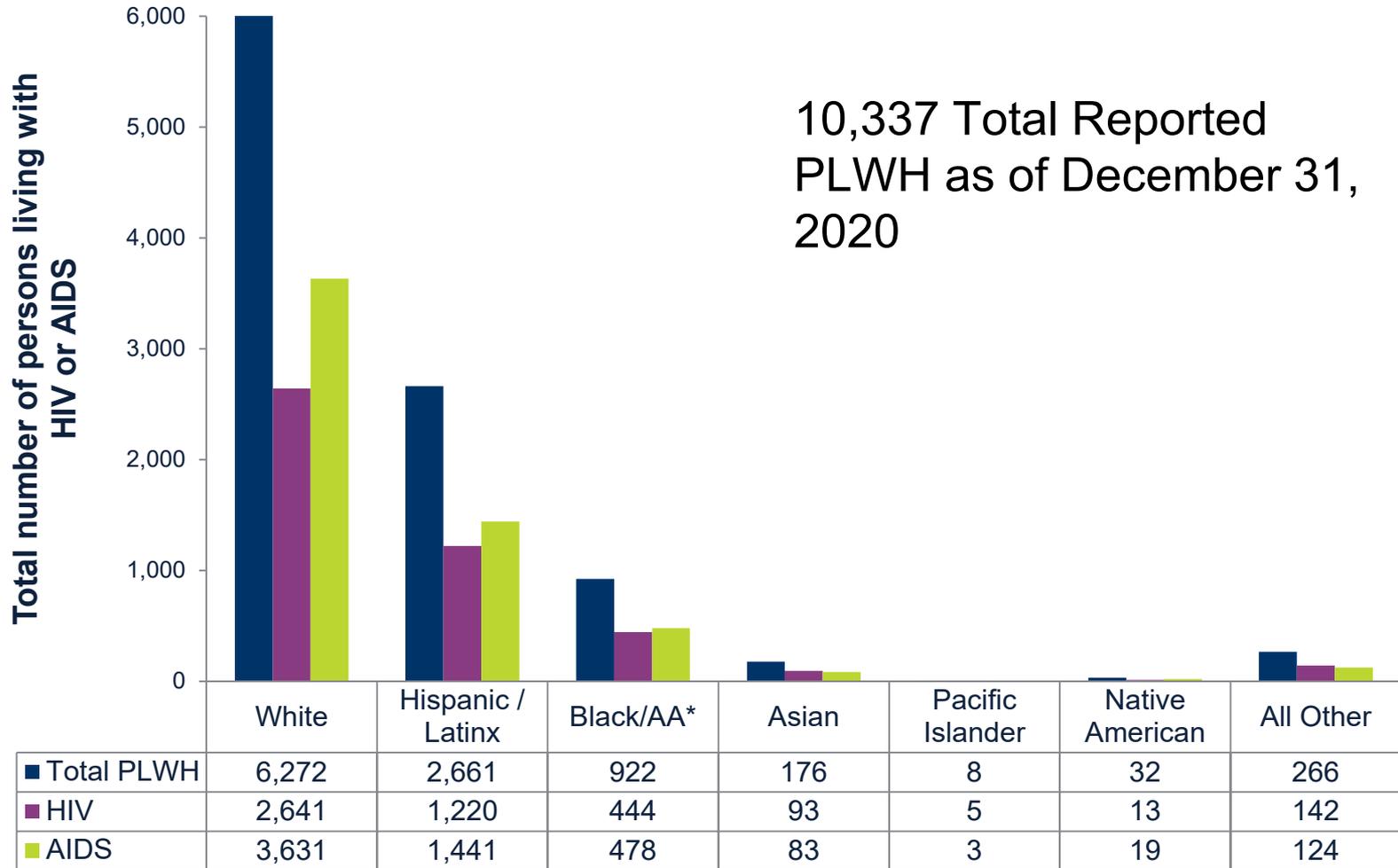
Persons living with diagnosed HIV (All Stages) by year, Riverside County and California, 2015 - 2020

Count and Rate per 100,000 Population, Riverside County, CA						
	2015*	2016*	2017	2018	2019	2020
Total Cases	6,784	8,180	9,008	9,567	9,911	10,337
Rate per 100,000 population	290.8	346.5	376.6	397.2	408.1	422.0

Count and Rate per 100,000 Population, California						
	2015	2016	2017	2018	2019	2020
Total Cases	129,316	132,908	135,082	136,566	137,785	Not Available
Rate per 100,000 population	331.1	337.7	340.3	342.9	344.8	Not Available

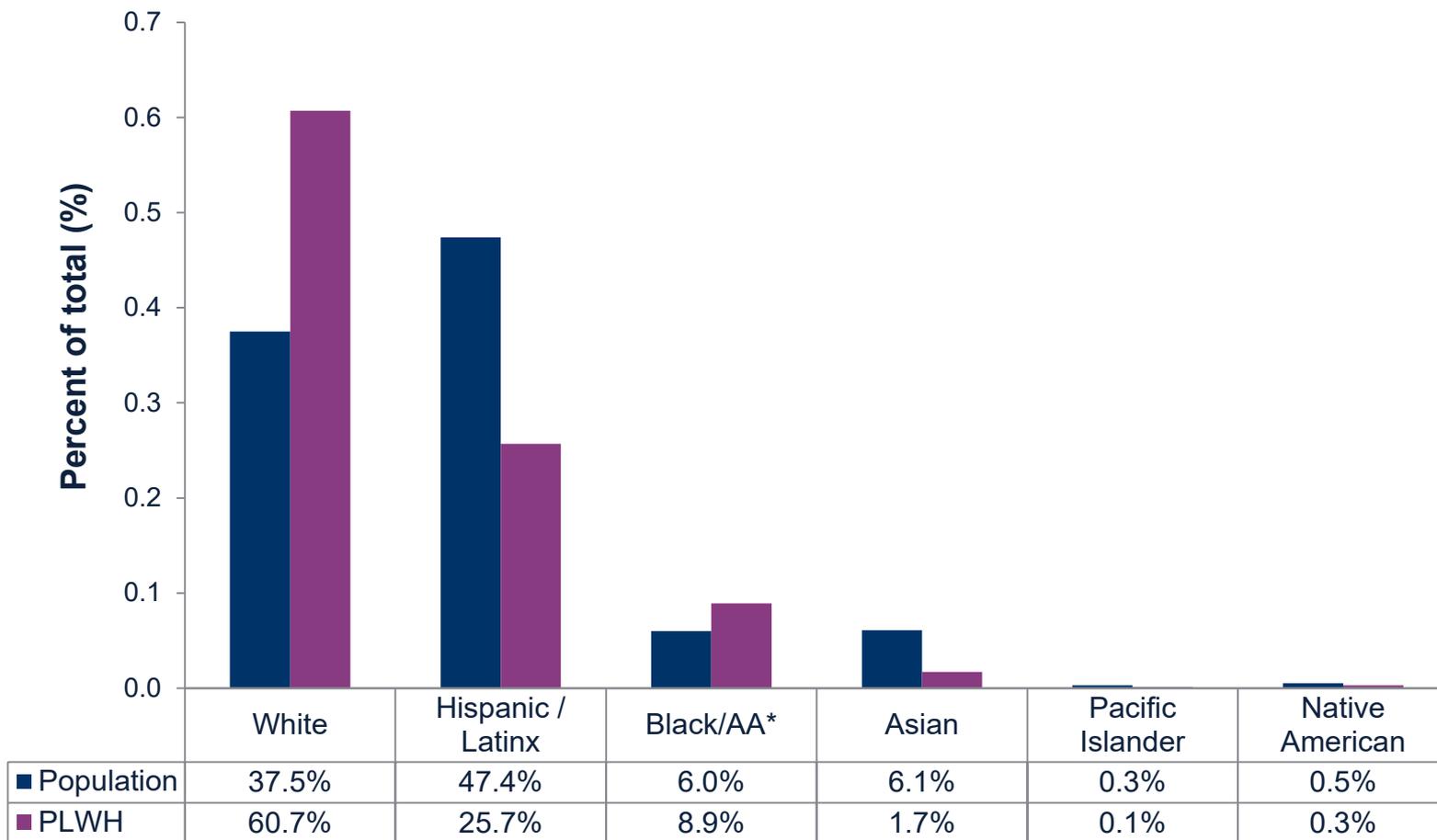
*In 2015/2016 there was a change in prevalence reporting methodology to reflect the number of PLWH currently living in the county rather than those diagnosed in the county.

Count of Living HIV and AIDS (HIV Stage 3) Cases by Race/Ethnicity, Riverside County, CA 2020



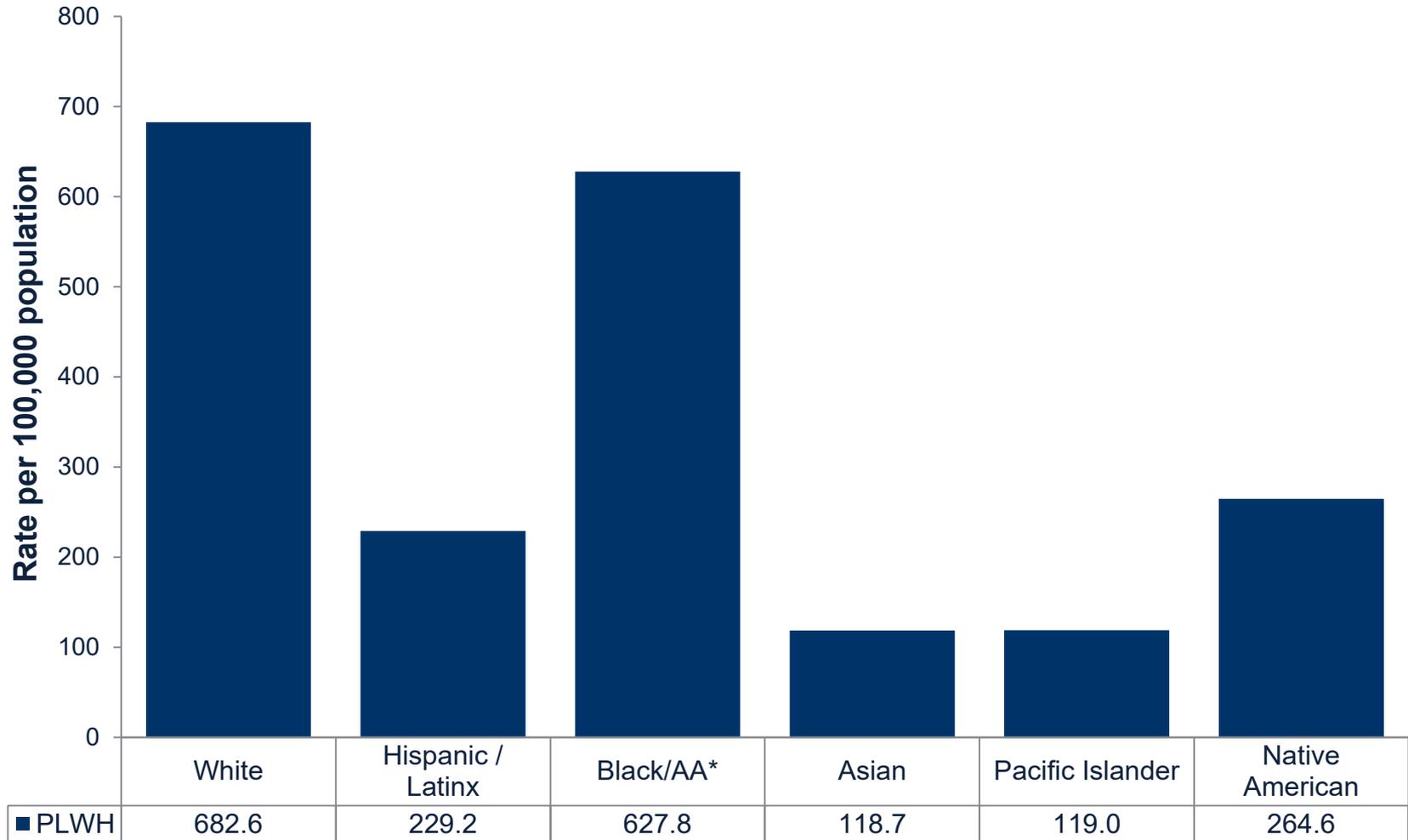
*AA=African American

Proportion of the Total Population, Prevalent HIV (All Stages) Cases by Race/Ethnicity, Riverside County, CA 2020



*AA=African American

HIV (All Stages) Prevalence (Living) Rates by Race/Ethnicity, Riverside County, CA 2020



*AA=African American

HIV (All Stages) Prevalence (Living) by Gender, Riverside County, CA 2020

Gender*	Number of Cases	Percent of cases	Rate per 100,000
cis-Male	9,503	91.9	774.2
cis-Female	772	7.5	62.1
Transgender male and female	58	0.6	-
Unknown	4	0.0	-

*Note:

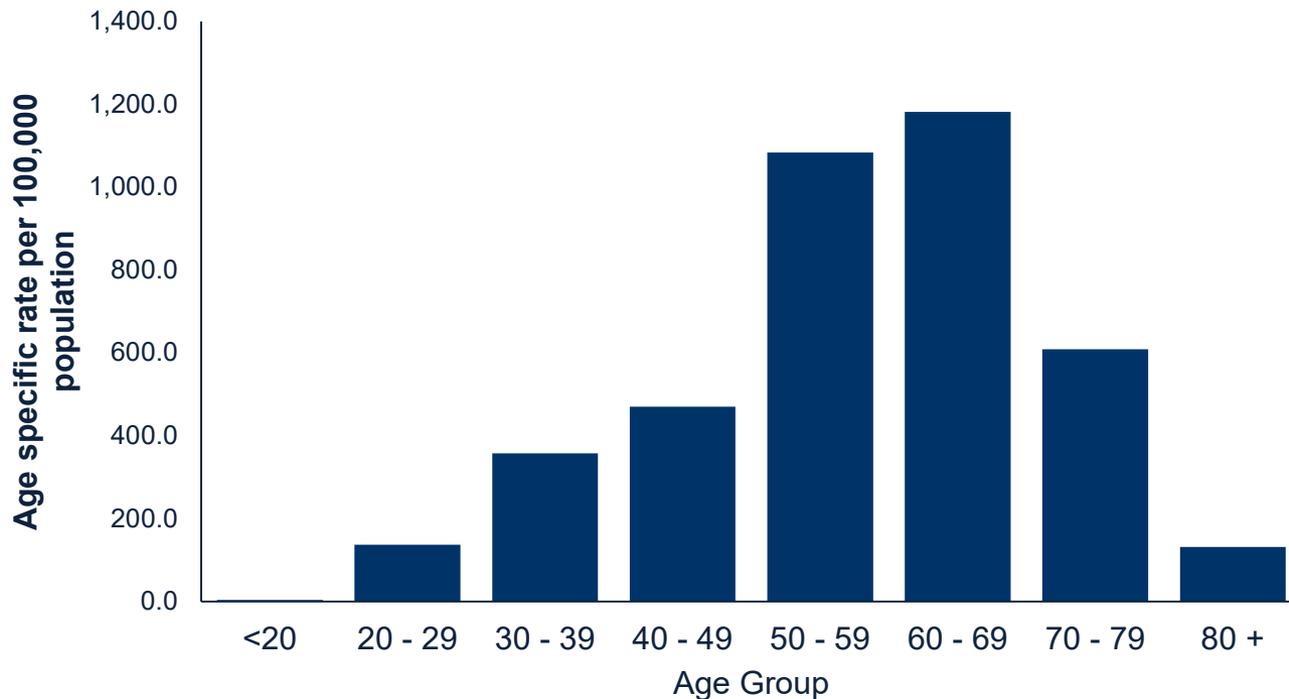
Cis-Male: a person who was assigned male at birth and whose gender identity is male.

Cis-Female: a person who was assigned female at birth 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 2020

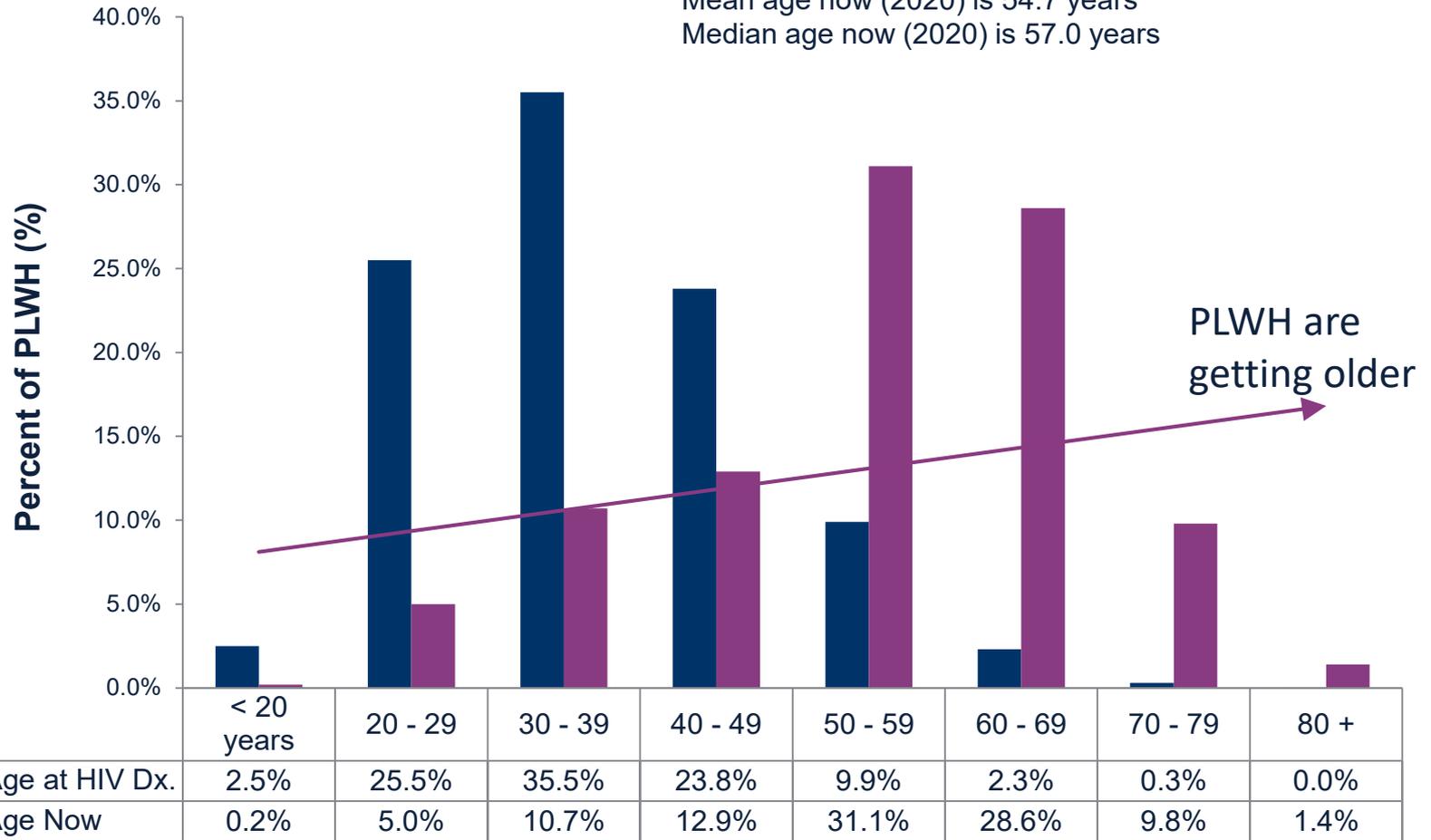


Age Group	< 20	20 - 29	30 - 39	40 - 49	50 - 59	60 - 69	70 - 79	80 +
Count	23	514	1,110	1,336	3,210	2,961	1,013	143
Percent	0.2%	5.0%	10.7%	12.9%	31.1%	28.6%	9.8%	1.4%
Age Specific Rate Per 100,000	3.5	136.9	357.3	470.4	1,083.4	1,181.9	608.8	131.6

Note: Based on patients' age as of December 31, 2020.
Current age data not available for 27 individuals.

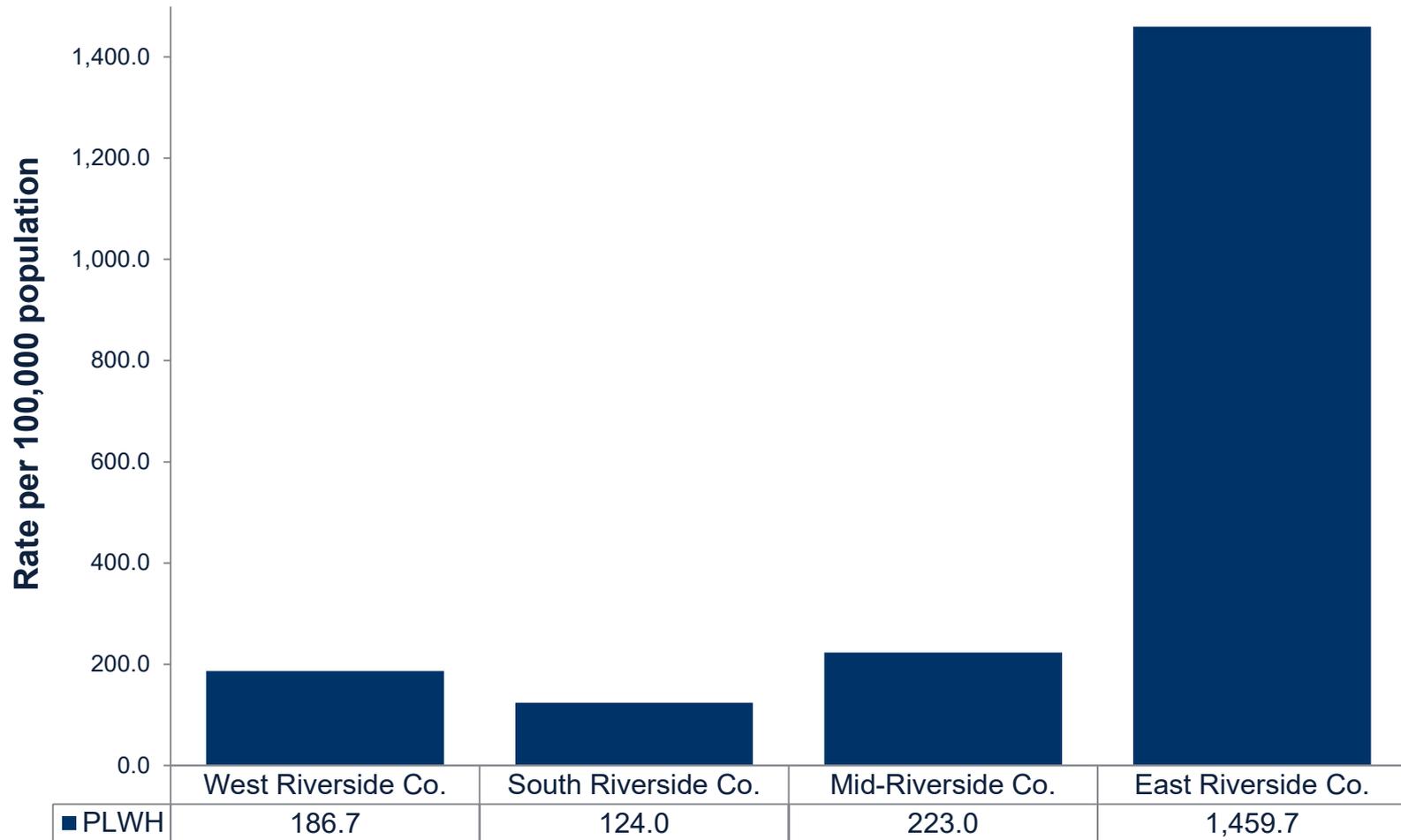
PLWH (All Stages) by Age at Time of HIV Diagnosis (Dx) vs. Age Now (2020)

Mean age at HIV diagnosis is 36.6 years
 Median age at HIV diagnosis is 35.0 years
 Mean age now (2020) is 54.7 years
 Median age now (2020) is 57.0 years

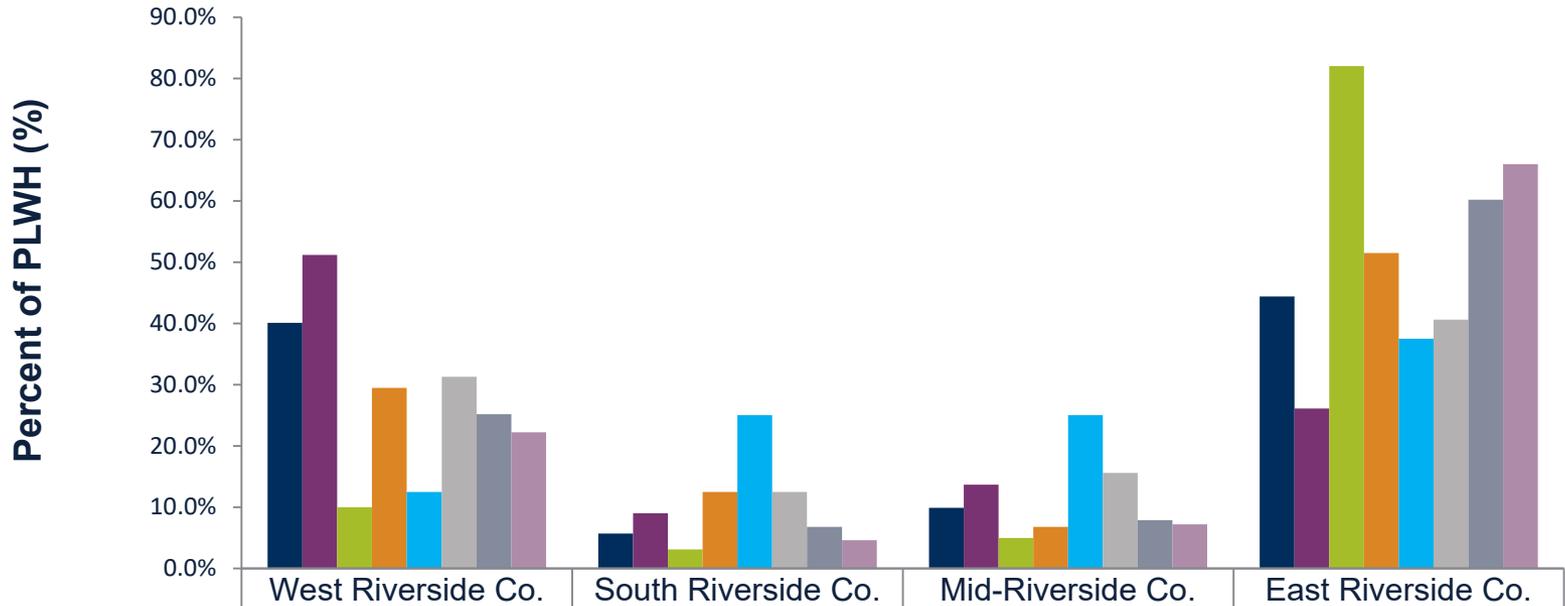


Note: Age Now is based on patients' age as of December 31, 2020

HIV (All Stages) Prevalence (Living) by Region, Riverside County, CA 2020

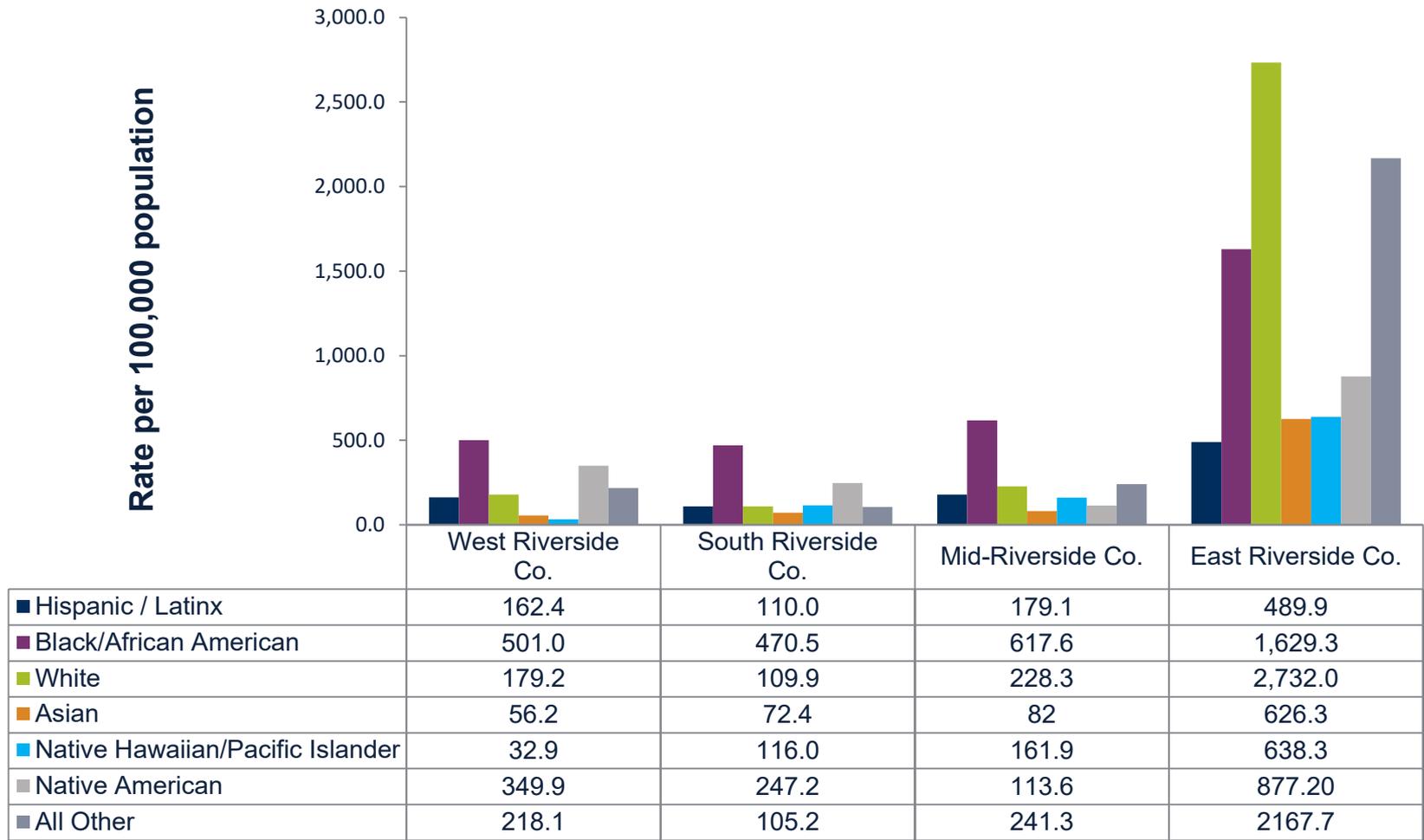


Racial/Ethnic Distribution of PLWH (All Stages) by County Region, 2020



	West Riverside Co.	South Riverside Co.	Mid-Riverside Co.	East Riverside Co.
■ Hispanic/Latinx	40.1%	5.7%	9.9%	44.4%
■ Black/African American	51.2%	9.0%	13.7%	26.1%
■ White	10.0%	3.1%	5.0%	82.0%
■ Asian	29.5%	12.5%	6.8%	51.5%
■ Pacific Islander	12.5%	25.0%	25.0%	37.5%
■ Native American	31.3%	12.5%	15.6%	40.6%
■ All Other	25.2%	6.8%	7.9%	60.2%
■ Total	22.2%	4.6%	7.2%	66.0%

HIV (All Stages) Prevalence Rates by Race/Ethnicity and County Region, Riverside County, CA 2020



HIV Incidence

New HIV cases by year of diagnosis in Riverside County

New HIV Diagnoses by Year, Riverside County and California, 2015 - 2020

Count and Rate per 100,000 Population, Riverside County, CA

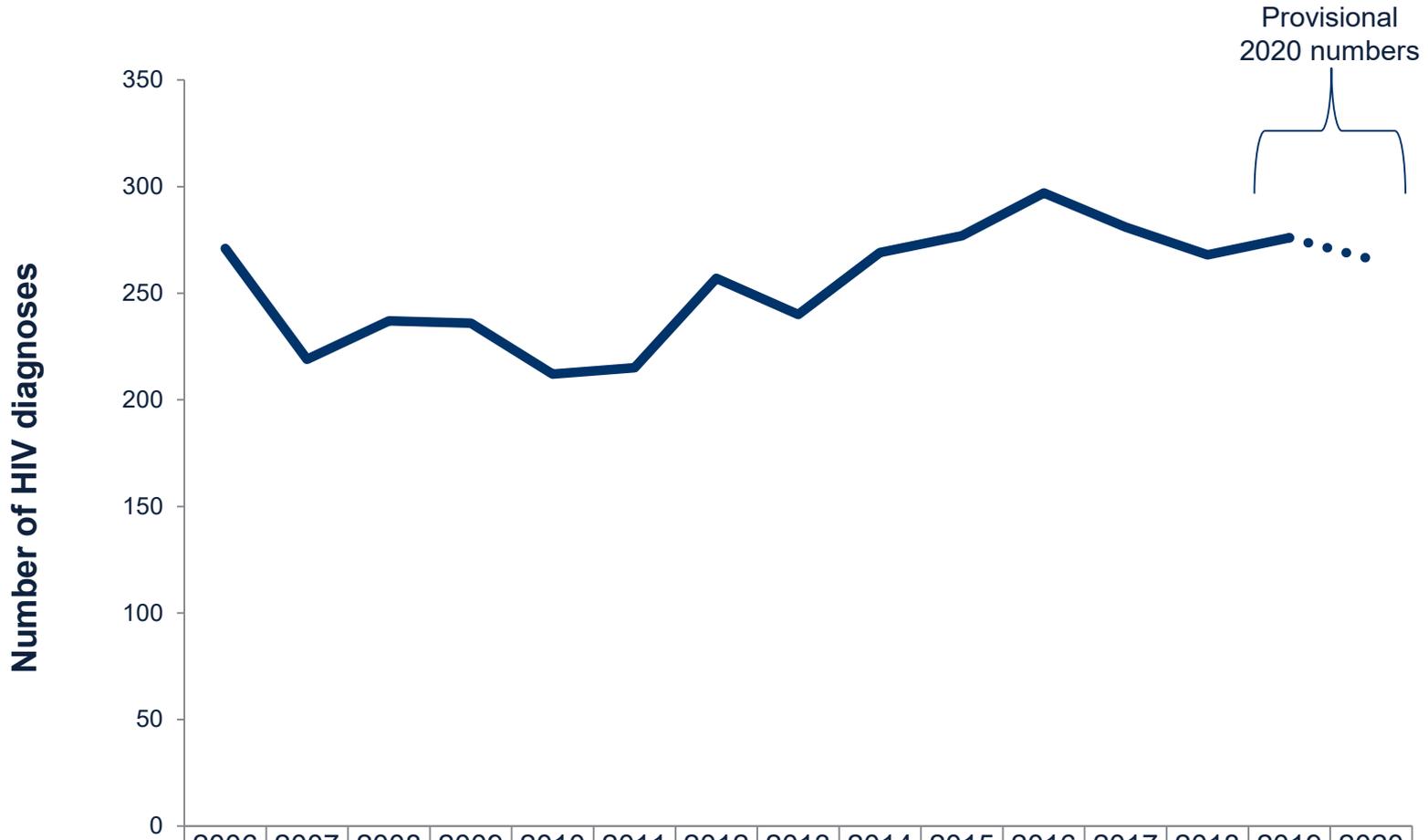
	2015	2016	2017	2018	2019	2020*
Total Cases	277	297	281	268	276	266
Rate per 100,000 population	11.9	12.6	11.8	11.1	11.4	10.9

Count and Rate per 100,000 Population, California

	2015	2016	2017	2018	2019	2020
Total Cases	5,068	5,114	4,853	4,763	4,396	Not Available
Rate per 100,000 population	13.0	13.0	12.3	12.0	11.0	Not Available

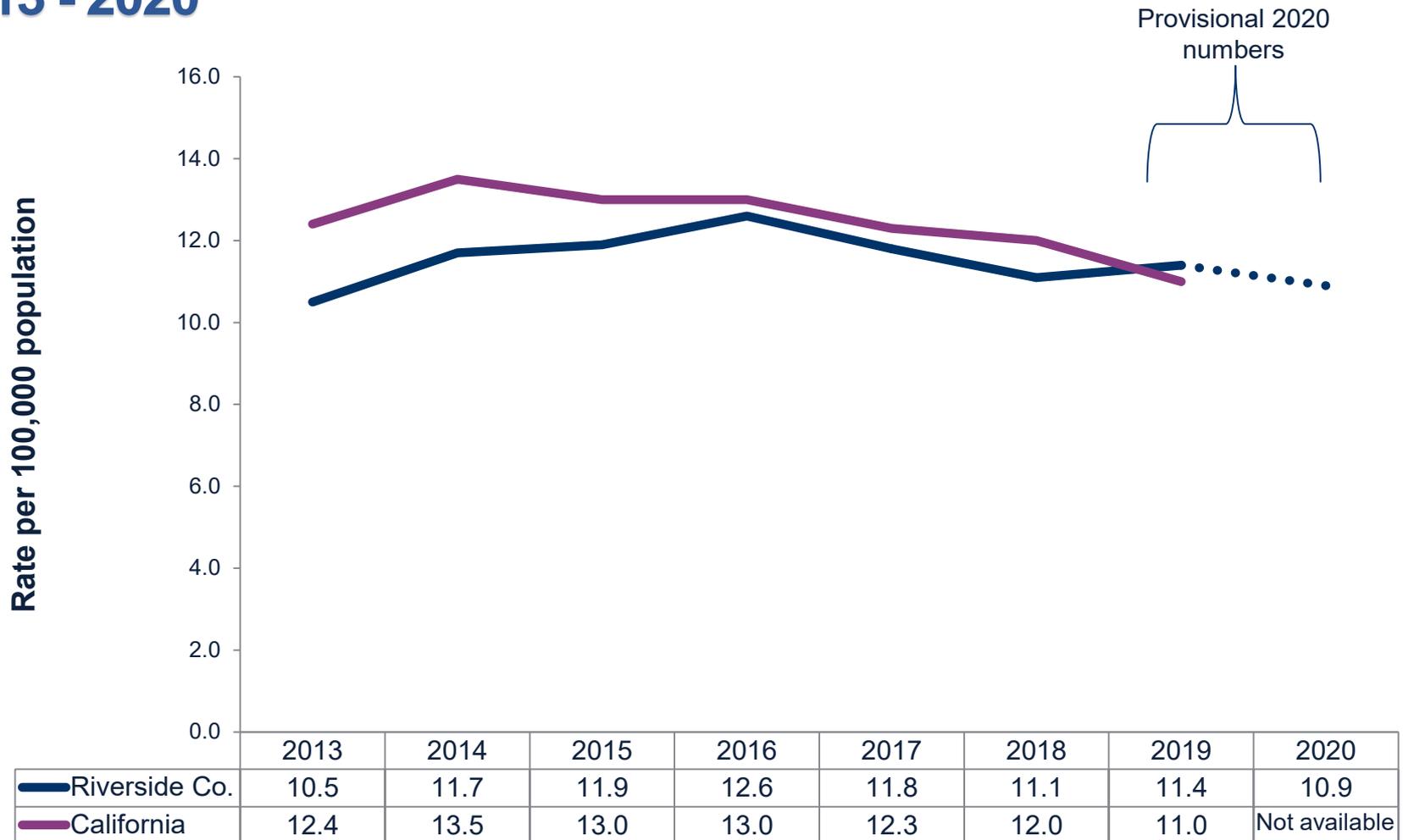
*2020 data should be considered provisional

Count of HIV Diagnoses by Year, Riverside County, CA

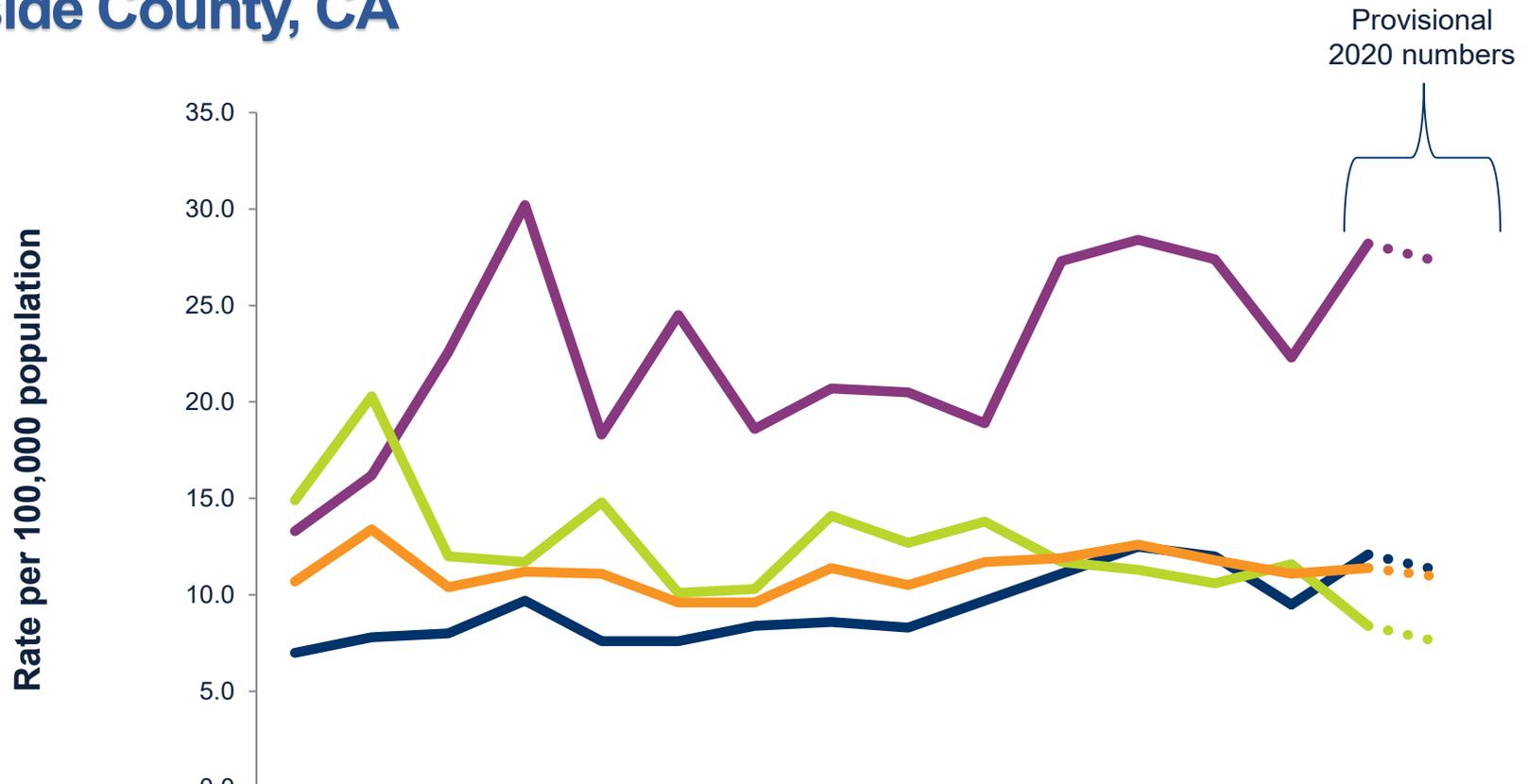


	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
— HIV Diagnoses	271	219	237	236	212	215	257	240	269	277	297	281	268	276	266

HIV Incidence Rates, Riverside County and California, 2013 - 2020



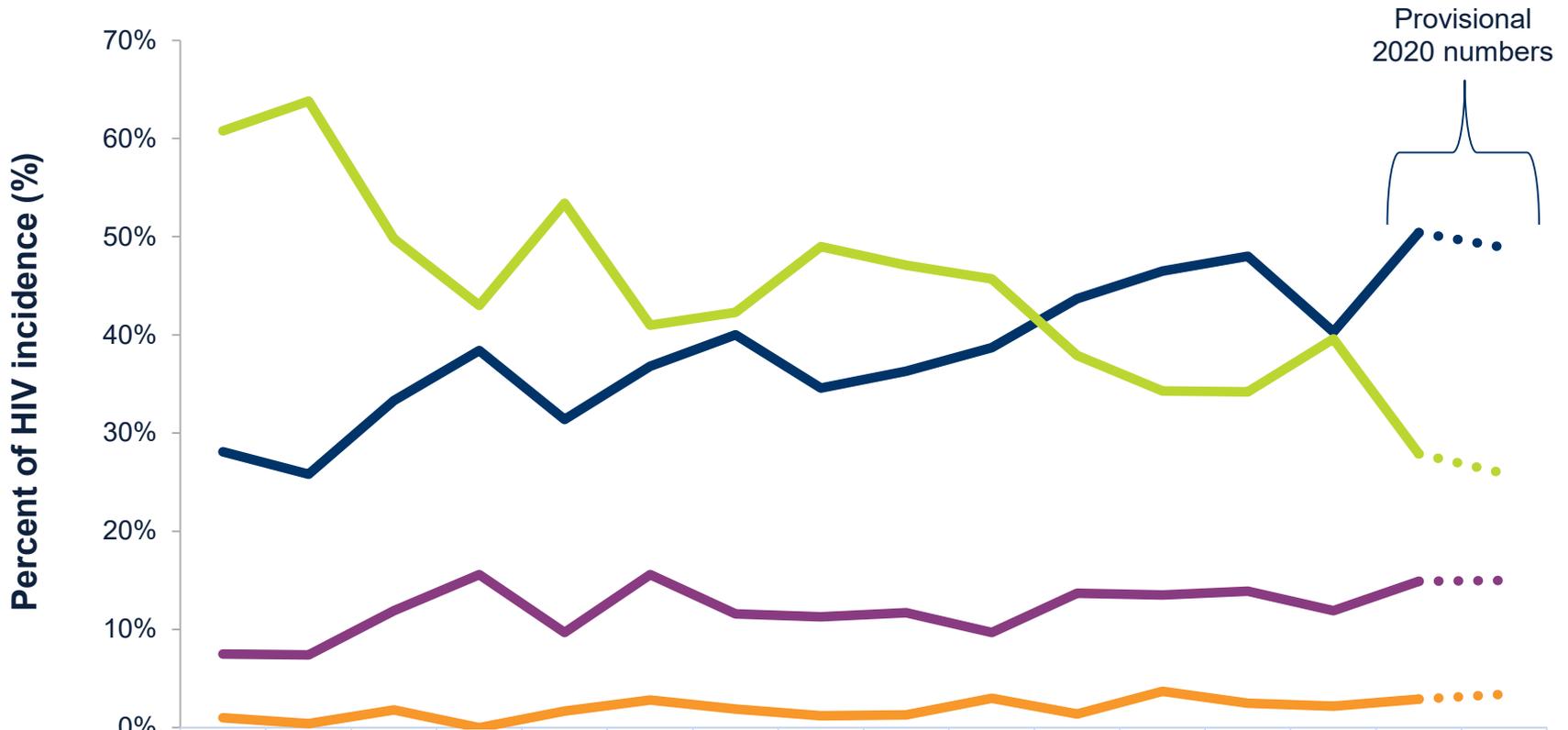
HIV Incidence Rates by Year of Diagnosis and Race/Ethnicity, Riverside County, CA



	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Hispanic / Latinx	7.0	7.8	8.0	9.7	7.6	7.6	8.4	8.6	8.3	9.7	11.1	12.5	12.0	9.5	12.1	11.2
Black/African American	13.3	16.2	22.6	30.2	18.3	24.5	18.6	20.7	20.5	18.9	27.3	28.4	27.4	22.3	28.2	27.2
White	14.9	20.3	12.0	11.7	14.8	10.1	10.3	14.1	12.7	13.8	11.7	11.3	10.6	11.6	8.4	7.5
Riverside County	10.7	13.4	10.4	11.2	11.1	9.6	9.6	11.4	10.5	11.7	11.9	12.6	11.8	11.1	11.4	10.9

Rates not calculated for race/ethnicities with less than 20 cases per year

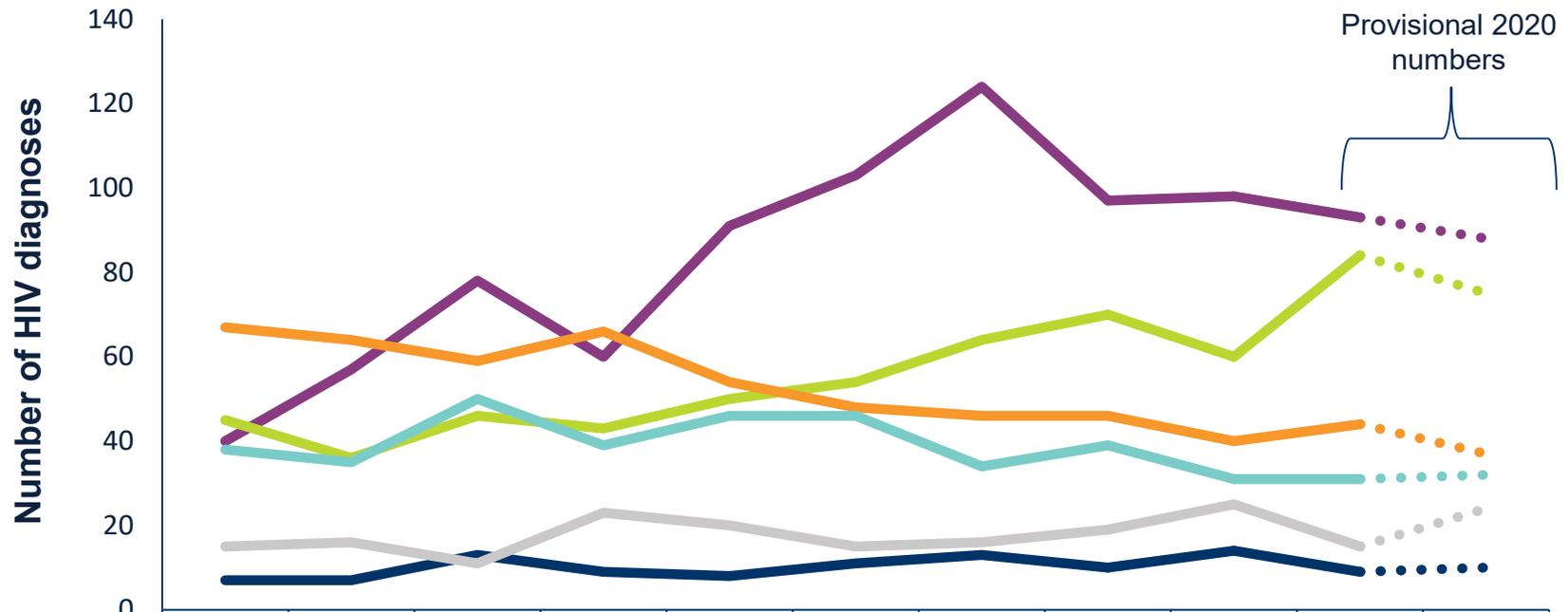
Proportion of HIV Cases by Race/Ethnicity, Riverside County, CA



	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Hispanic/Latinx	28.1%	25.8%	33.3%	38.4%	31.4%	36.8%	40.0%	34.6%	36.3%	38.7%	43.7%	46.5%	48.0%	40.3%	50.4%	48.9%
Black/AA*	7.5%	7.4%	11.9%	15.6%	9.7%	15.6%	11.6%	11.3%	11.7%	9.7%	13.7%	13.5%	13.9%	11.9%	14.9%	15.0%
White	60.8%	63.8%	49.8%	43.0%	53.4%	41.0%	42.3%	49.0%	47.1%	45.7%	37.9%	34.3%	34.2%	39.6%	27.9%	25.9%
Asian	1.0%	0.4%	1.8%	0.0%	1.7%	2.8%	1.9%	1.2%	1.3%	3.0%	1.4%	3.7%	2.5%	2.2%	2.9%	3.4%

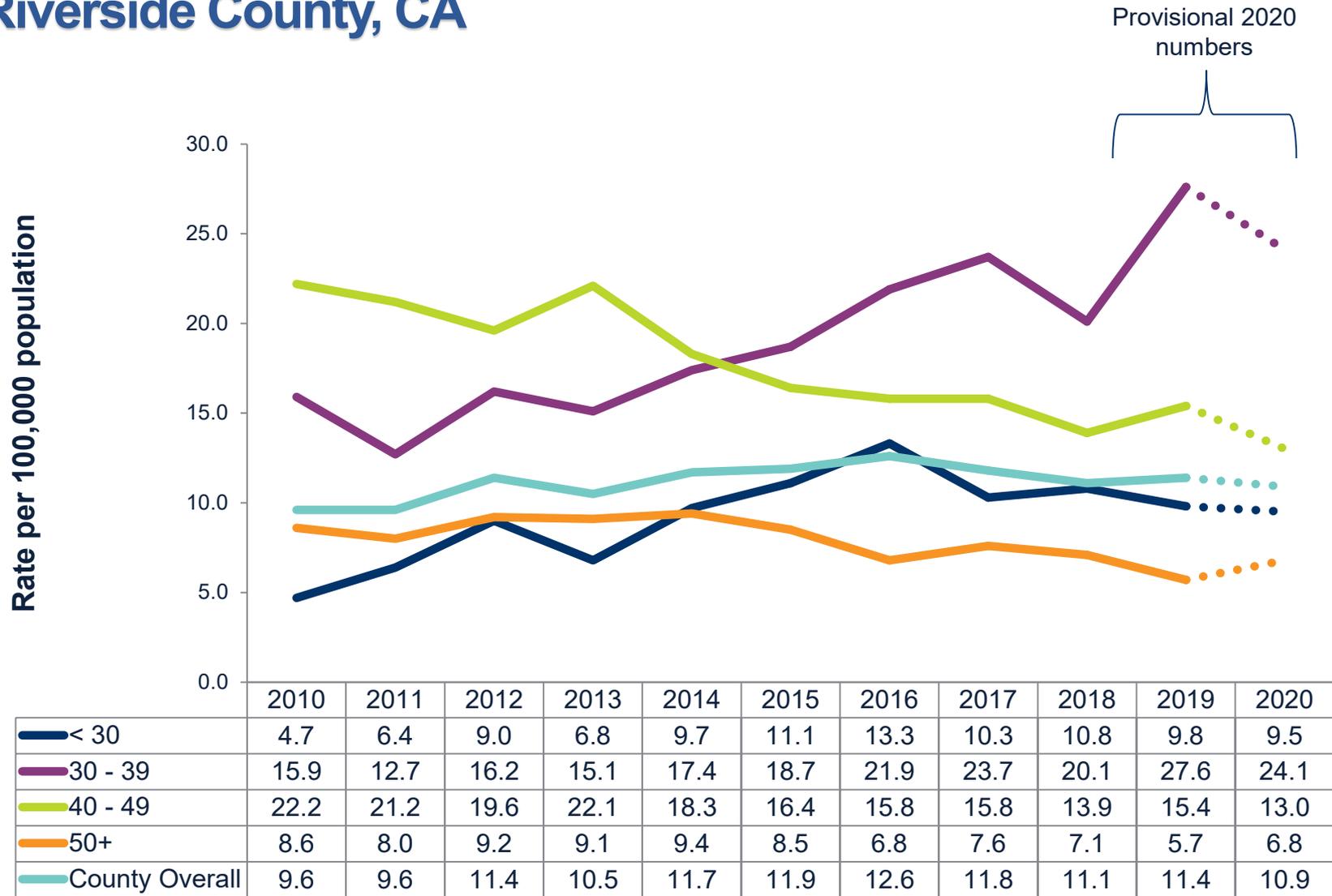
*AA=African American

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

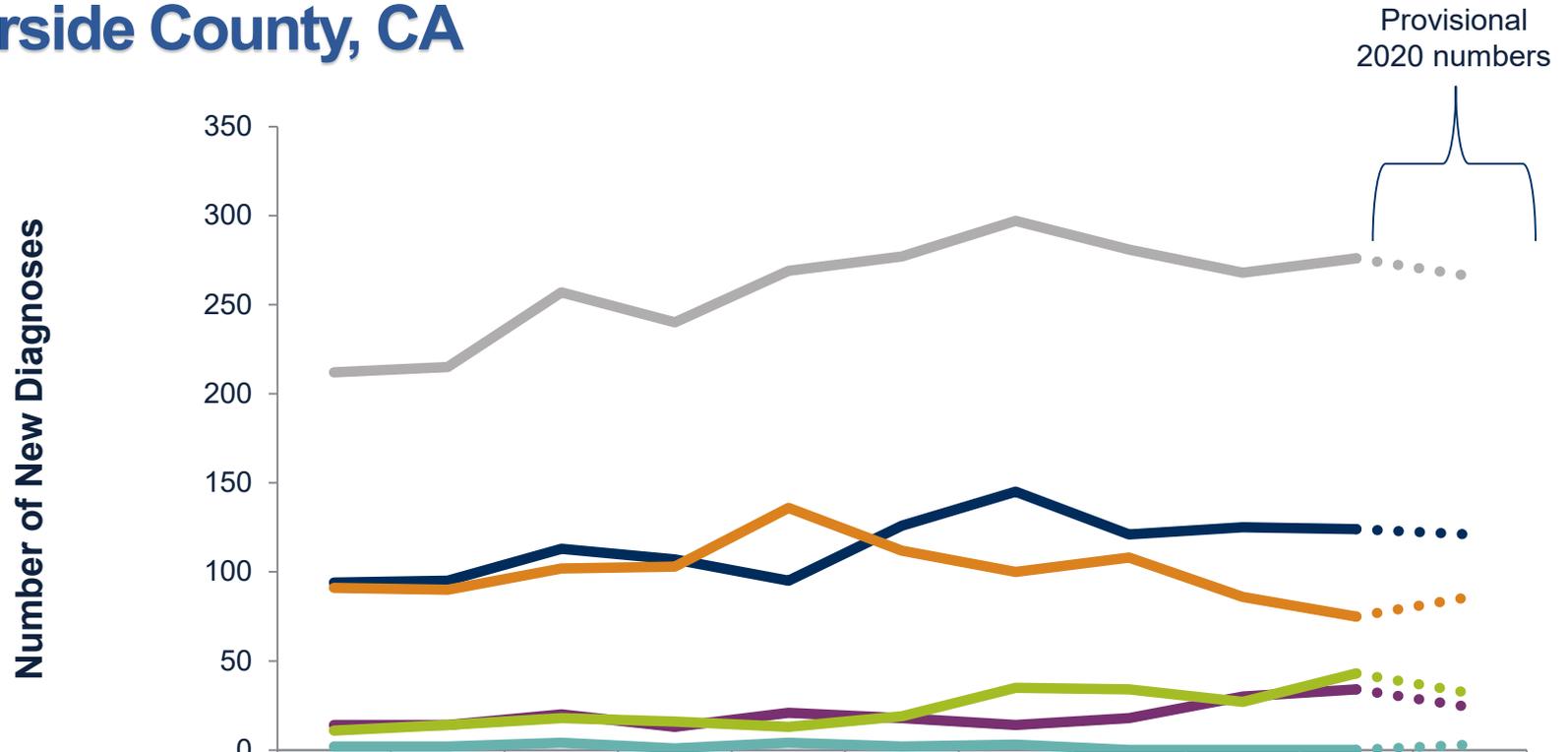


	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
<20	7	7	13	9	8	11	13	10	14	9	10
20 - 29	40	57	78	60	91	103	124	97	98	93	88
30 - 39	45	36	46	43	50	54	64	70	60	84	75
40 - 49	67	64	59	66	54	48	46	46	40	44	37
50 - 59	38	35	50	39	46	46	34	39	31	31	32
60+	15	16	11	23	20	15	16	19	25	15	24

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

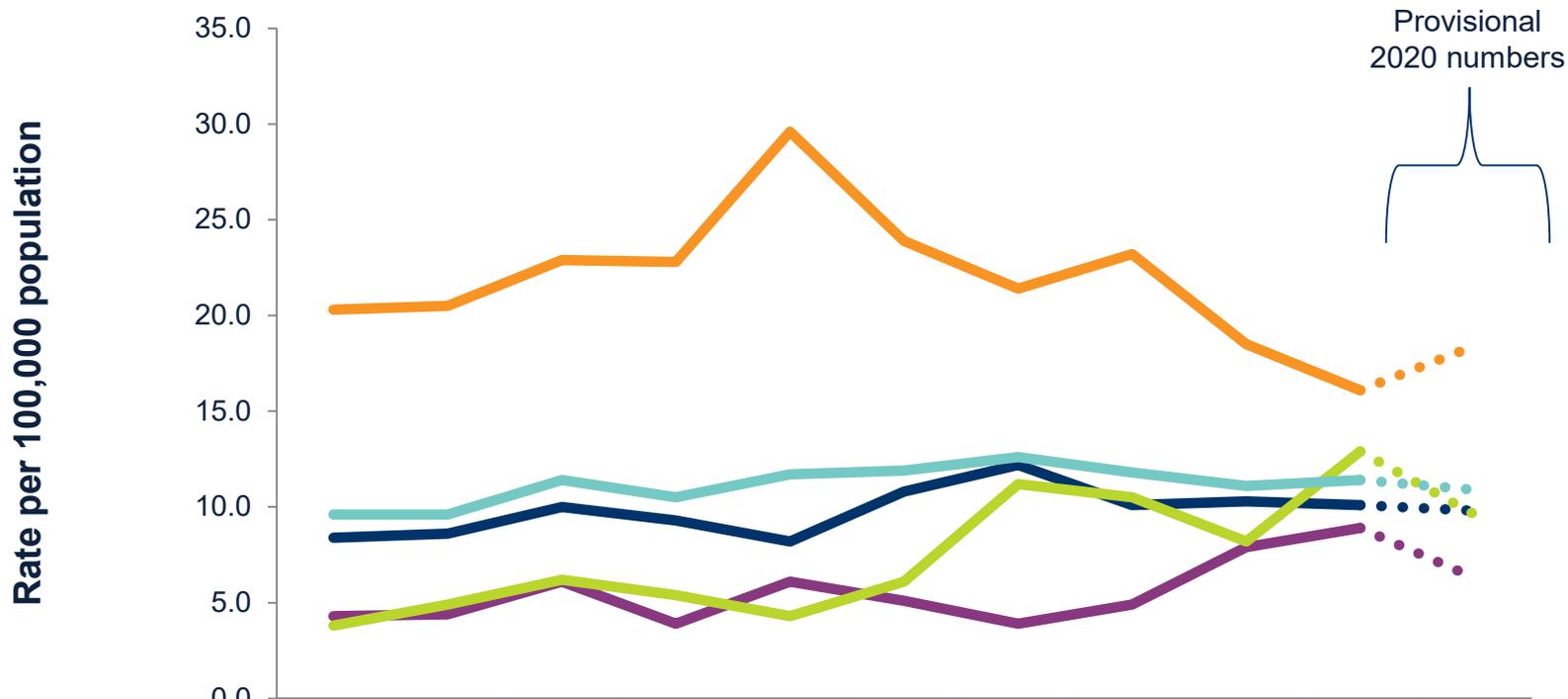


HIV Counts by Year of Diagnosis and County Region, Riverside County, CA



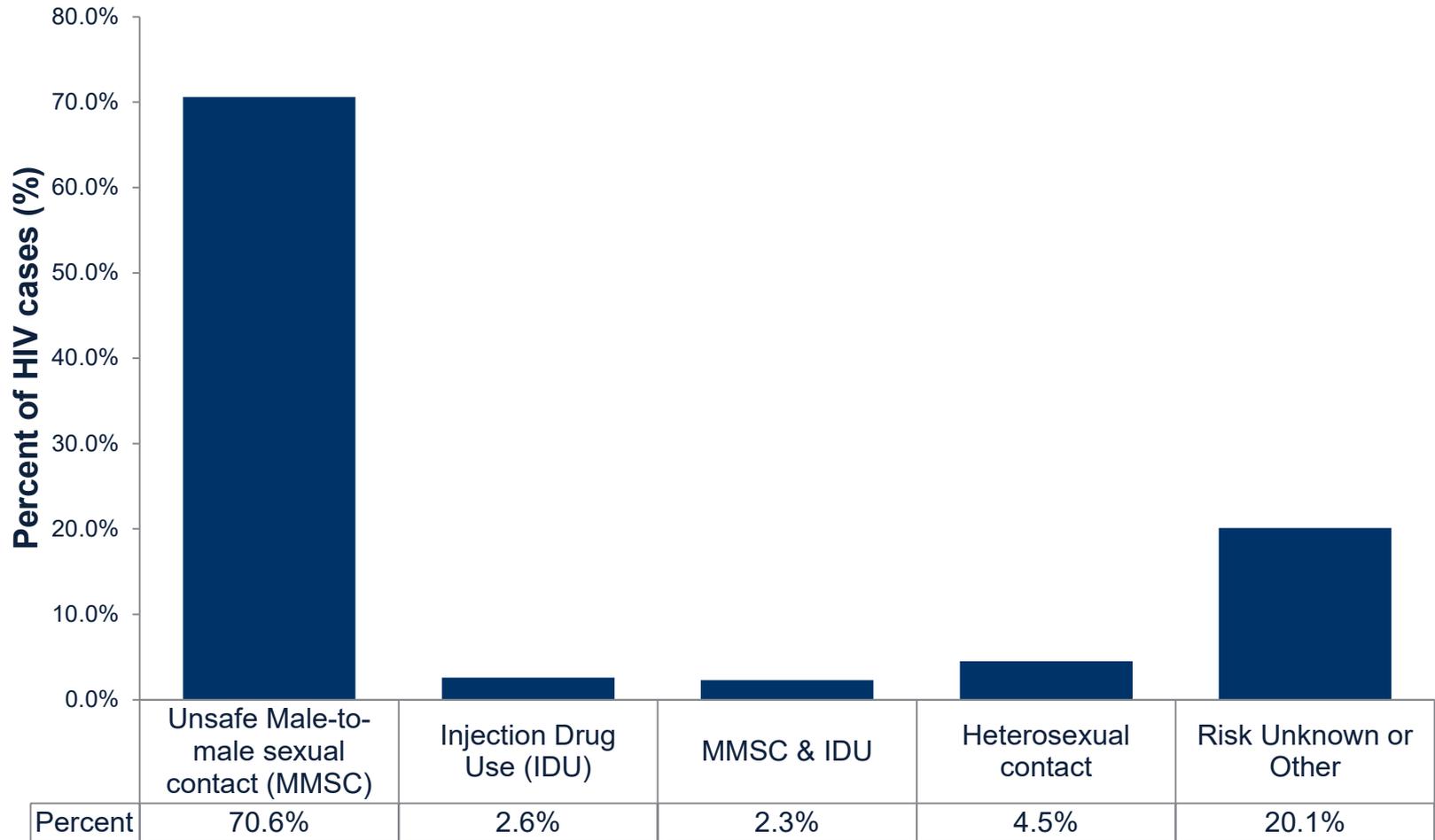
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
West Riverside Co.	94	95	113	107	95	126	145	121	125	124	121
South Riverside Co.	14	14	20	13	21	18	14	18	30	34	24
Mid-Riverside Co.	11	14	18	16	13	19	35	34	27	43	32
East Riverside Co.	91	90	102	103	136	112	100	108	86	75	86
Unknown	2	2	4	1	4	2	3	0	0	0	3
Total	212	215	257	240	269	277	297	281	268	276	266

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



	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
West Riverside Co.	8.4	8.6	10.0	9.3	8.2	10.8	12.2	10.1	10.3	10.1	9.8
South Riverside Co.	4.3	4.4	6.1	3.9	6.1	5.1	3.9	4.9	7.9	8.9	6.3
Mid-Riverside Co.	3.8	4.9	6.2	5.4	4.3	6.1	11.2	10.5	8.2	12.9	9.6
East Riverside Co.	20.3	20.5	22.9	22.8	29.6	23.9	21.4	23.2	18.5	16.1	18.4
Riverside County	9.6	9.6	11.4	10.5	11.7	11.9	12.6	11.8	11.1	11.4	10.9

Reported Risk Factor for HIV Cases Diagnosed from 2016 through 2020, Riverside County, CA



MMSC: Male-to-male sexual contact
 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, 2019

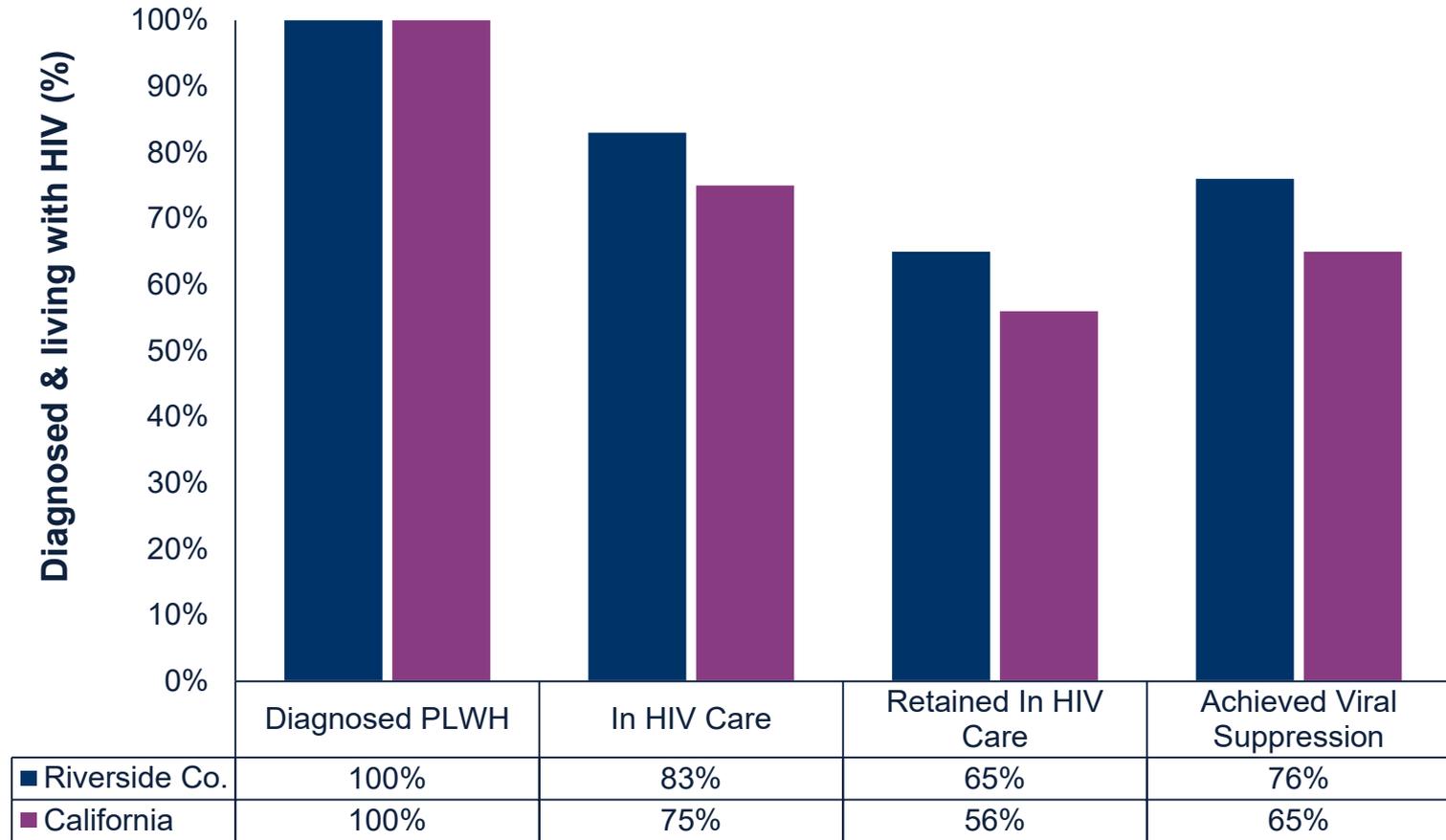
The 2021 California Integrated Plan Objective is 90% in-Care and 80% Virally Suppressed

	PLWH Dx.	In-Care		Retained In-Care		Virally Suppressed	
		N	%	N	%	N	%
Riverside Co.	9,815*	8,174	83%	6,401	65%	7,434	76%
California	137,785	103,399	75%	77,081	56%	89,981	65%

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.

*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.

The Overall Continuum of HIV Care: All Persons Living with HIV Infection, Riverside County and California, 2019



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.

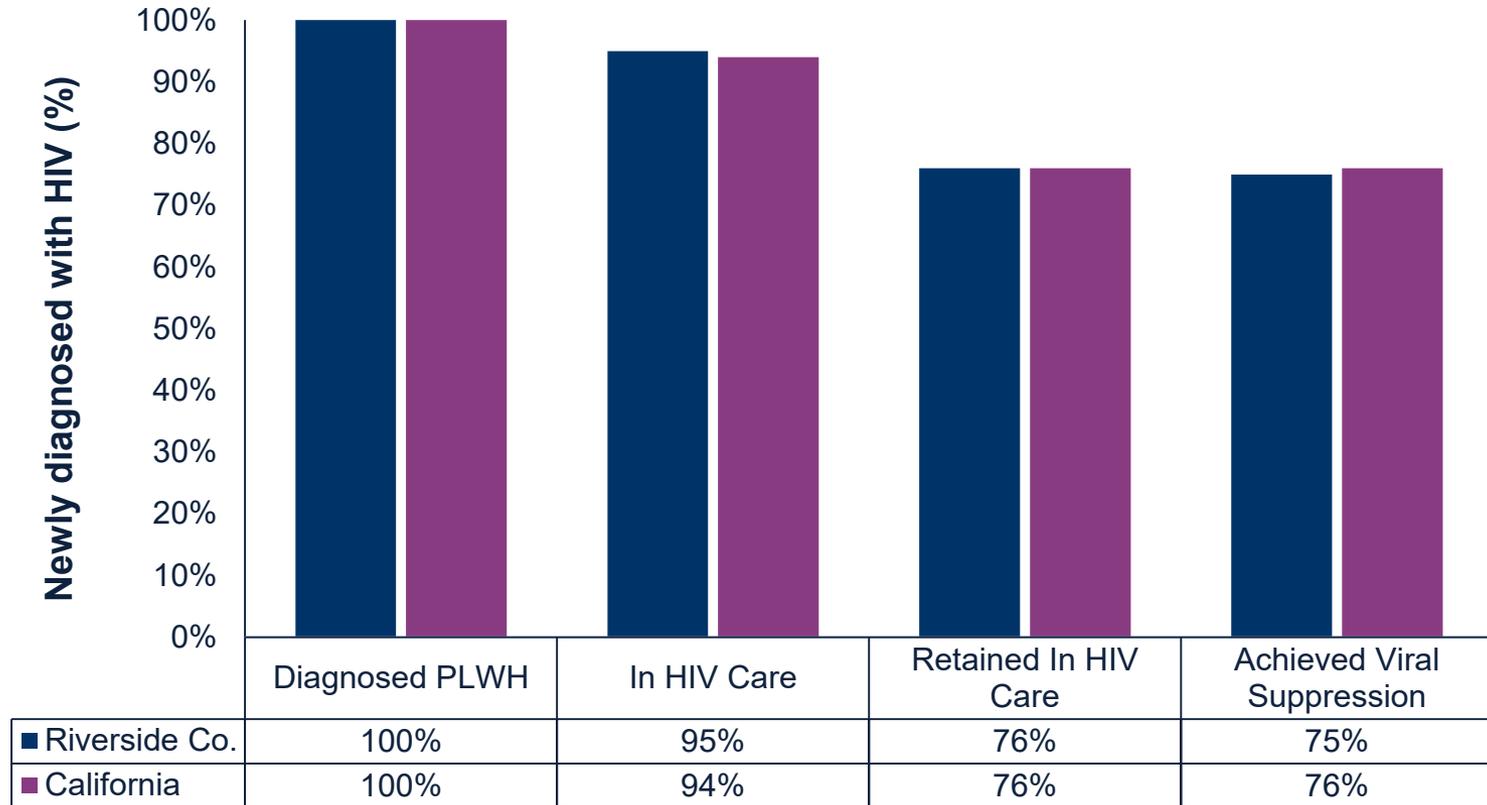
Number and Percent of New HIV Diagnoses In-Care, Retained In-Care, and Virally Suppressed, Riverside County and California, January 1 – December 31, 2019

	PLWH	In-Care		Retained In-Care		Virally Suppressed	
		N	%	N	%	N	%
Riverside Co.	265*	252	95%	202	76%	198	75%
California	4,396	4,119	94%	3,342	76%	3,329	76%

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.

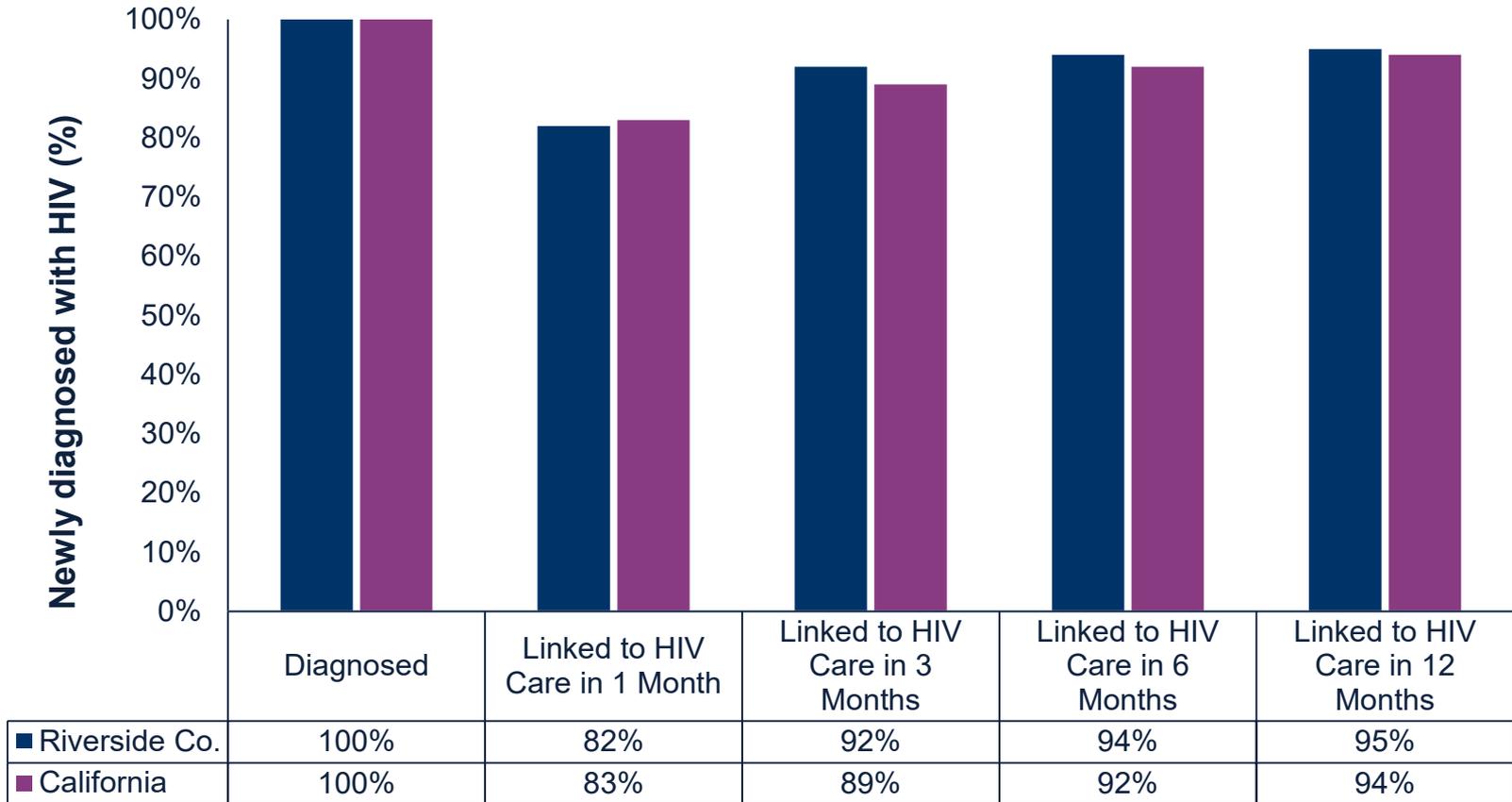
*Due to differences in the data at the time of analysis there are small variations from the numbers described in the rest of this report.

The Continuum of HIV Care: Persons Newly Diagnosed with HIV Infection, Riverside County and California, 2019



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.

Linkage to Care for Persons Newly Diagnosed With HIV, Riverside County and California, 2019



Riverside County HIV Summary

Summary

Prevalence:

- There are currently 10,337 people reported living with HIV in Riverside County.
- Of PLWH diagnosed in the county, 61% 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 (71%) of people living with HIV in Riverside County are 50 years old or older.

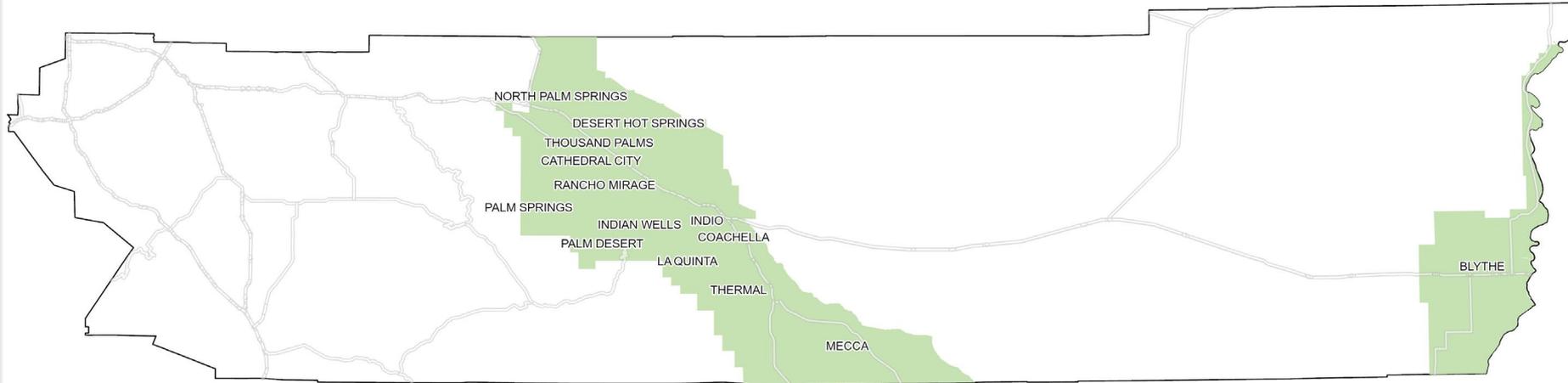
Summary Continued

Incidence:

- Since 2018, nearly three-quarters (71.6%) of newly diagnosed HIV cases have been among Gay, Bisexual or Male-to-male sexual contact (MMSC).
- Over the past three years (2018 – 2020), over thirty percent (30.7%) of new HIV cases in Riverside County were in people younger than 30 years old.
- Over the past three years (2018 – 2020), over twenty percent (21.7%) of all new HIV cases in Riverside County were in people 50 years old or older.
- In 2020, though only 6% of the population, African Americans represent 15% of new HIV cases diagnosed in the county.
- Since 2015, the Latinx population has had the highest percentage of new HIV cases.

HIV in East Riverside County

East Riverside County



- There are currently 6,820 people reported to be living with HIV in east Riverside County.
- The prevalence rate of PLWH in Palm Springs (7,535.2 per 100,000) is over 21 times higher than California overall (344.8 per 100,000).

HIV/AIDS in East Riverside County

- Two-thirds (66.0%) 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 59 years, compared to 49 years in the rest of the county.
 - 49.8% of all people living with HIV in east Riverside County are 60 or older. In the rest of Riverside County, only 20.7% of those living with HIV are over 60.

East Riverside County HIV Incidence, 2011 - 2020

- From 2011 through 2020 there have been 998 new HIV cases diagnosed in east Riverside County.
 - Average of 99.8 new cases per year.

Age group	Percent of new cases
Under 20	2.0%
20 – 29	21.4%
30 – 39	18.8%
40 – 49	23.8%
50 – 59	21.4%
60 – 69	9.9%
70 years old and older	2.5%

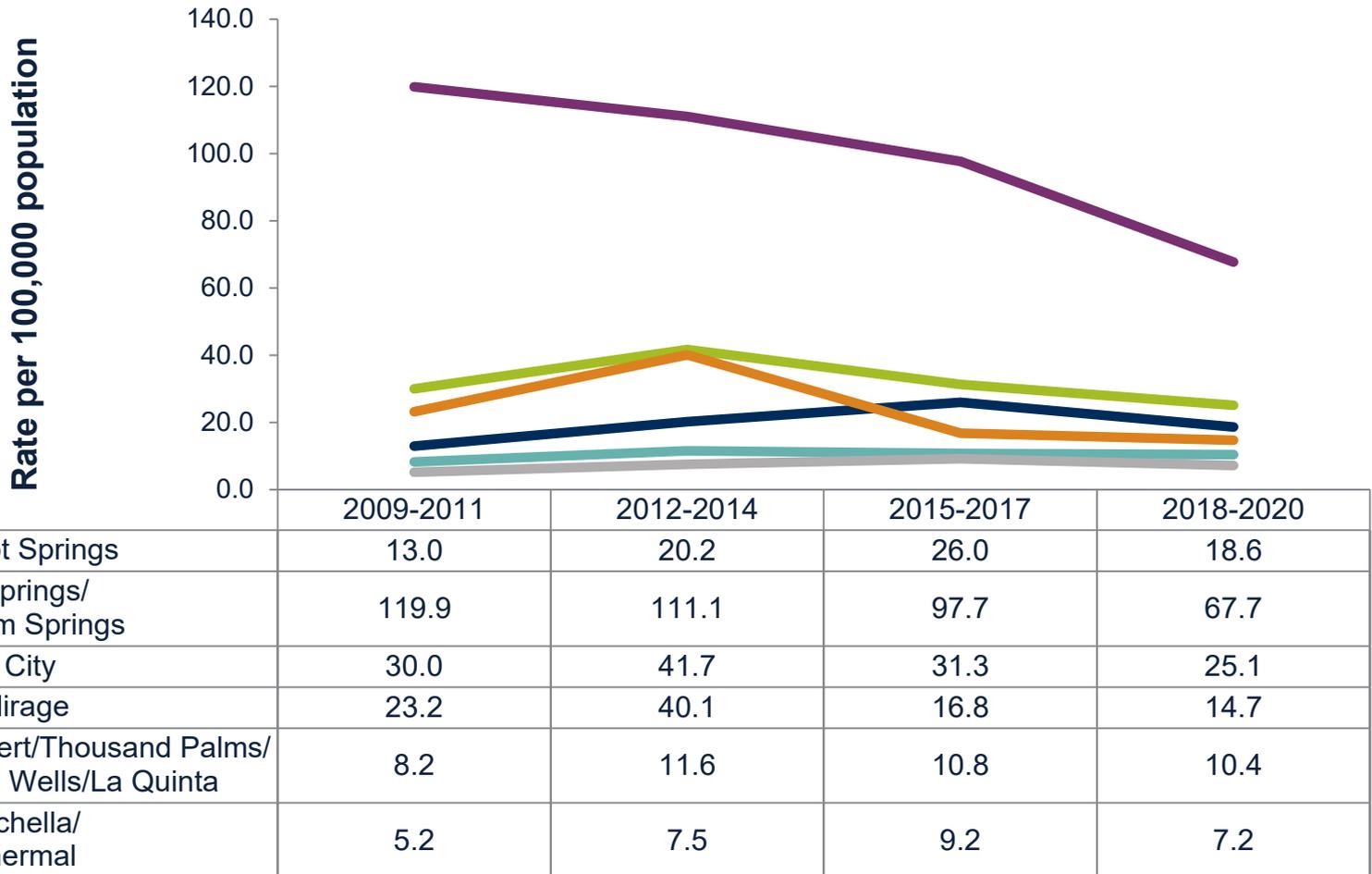
East Riverside County HIV Incidence, 2011 - 2020

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

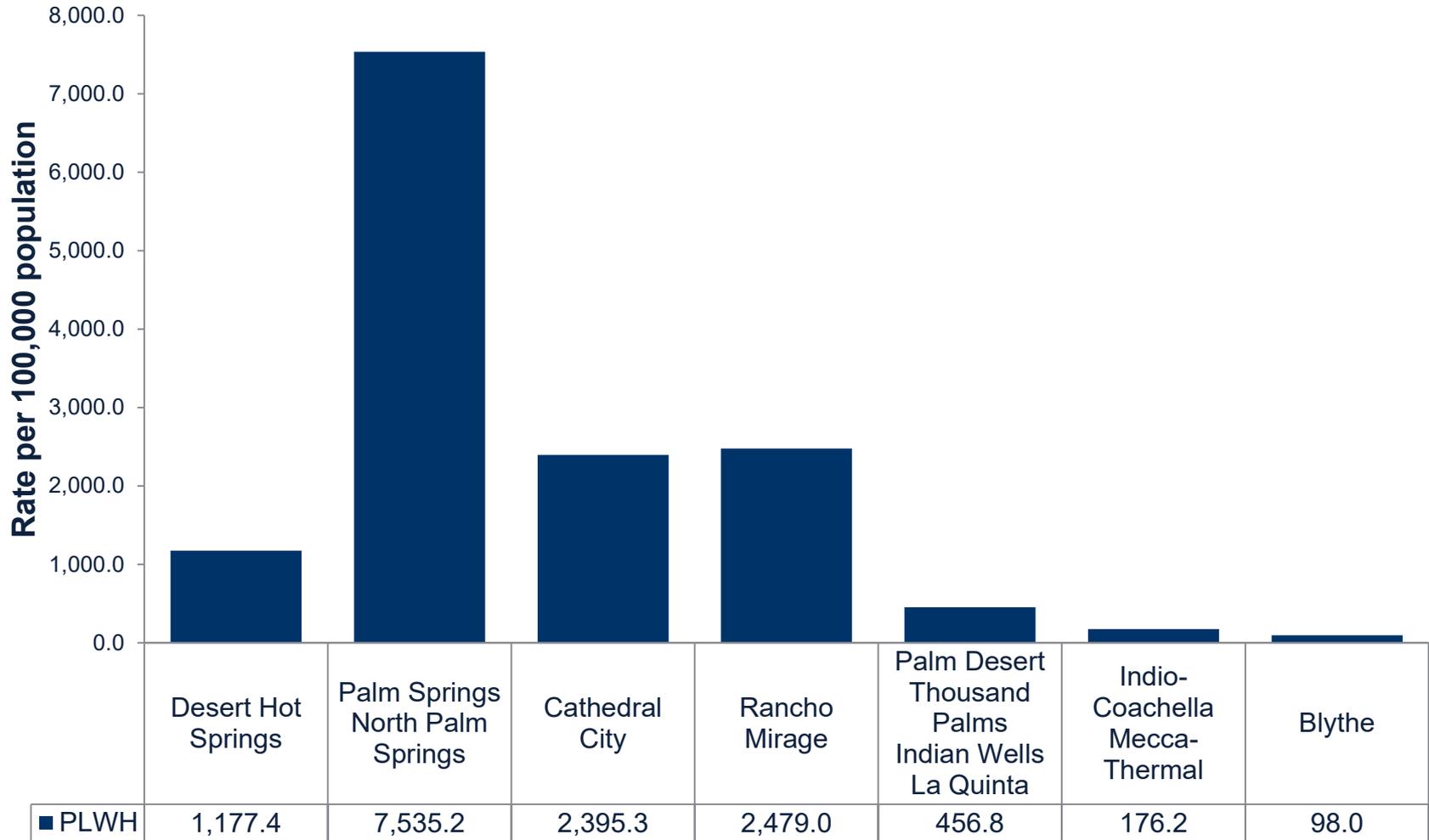
Gender	Percent of new cases
Male	94.8%
Female	4.1%
Trans Male and Female	1.1%

Ethnicity	Percent of new cases
Hispanic/Latinx	33.9%
Black/African American	3.4%
White	57.1%
Asian	1.8%
All Other	3.8%

3-Year Average HIV Incidence, Coachella Valley, 2009 - 2020



Prevalence of Persons Living with HIV, East Riverside County, 2020



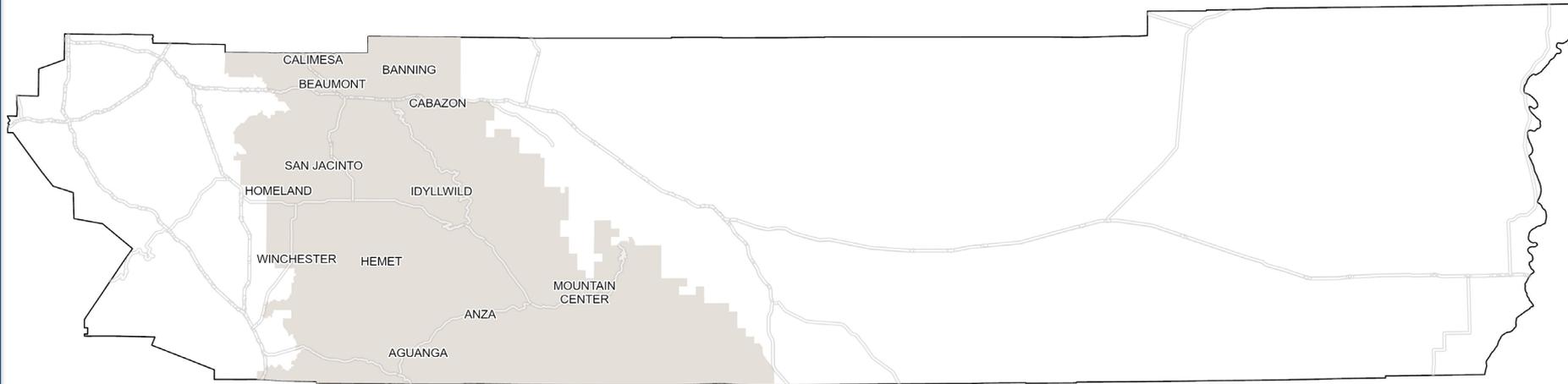
HIV-positive prison population excluded from analysis of Blythe.

East Riverside County – Zip Code & Population 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	
2010 Census	43,525	46,423	51,151	17,220	105,571	161,084	24,310
2013 ACS 5-Year Estimate	44,456	46,489	51,927	17,456	106,236	160,695	23,624
2016 ACS 5-Year Estimate	44,896	47,774	53,253	17,876	110,682	170,145	22,242
2019 ACS 5-Year Estimate	42,977	49,249	54,357	18,193	112,531	167,439	22,460

HIV in Mid-Riverside County, CA

HIV/AIDS in Mid-Riverside County, CA



- There are currently 741 people reported to be living with HIV in the mid-section of the county.
- 7.2% of all PLWH in Riverside County reside in the mid-part of the county.

Mid-Riverside County HIV Incidence, 2011 - 2020

From 2011 through 2020, there have been 251 HIV cases diagnosed in the mid-part of the county.

- Average of 25.1 new cases per year.

Age group	Percent of new cases
Under 20	5.6%
20 - 29	36.7%
30 - 39	23.1%
40 - 49	15.9%
50 - 59	13.1%
60 years old and older*	5.6%

*Further age breakdown masked due to small numbers

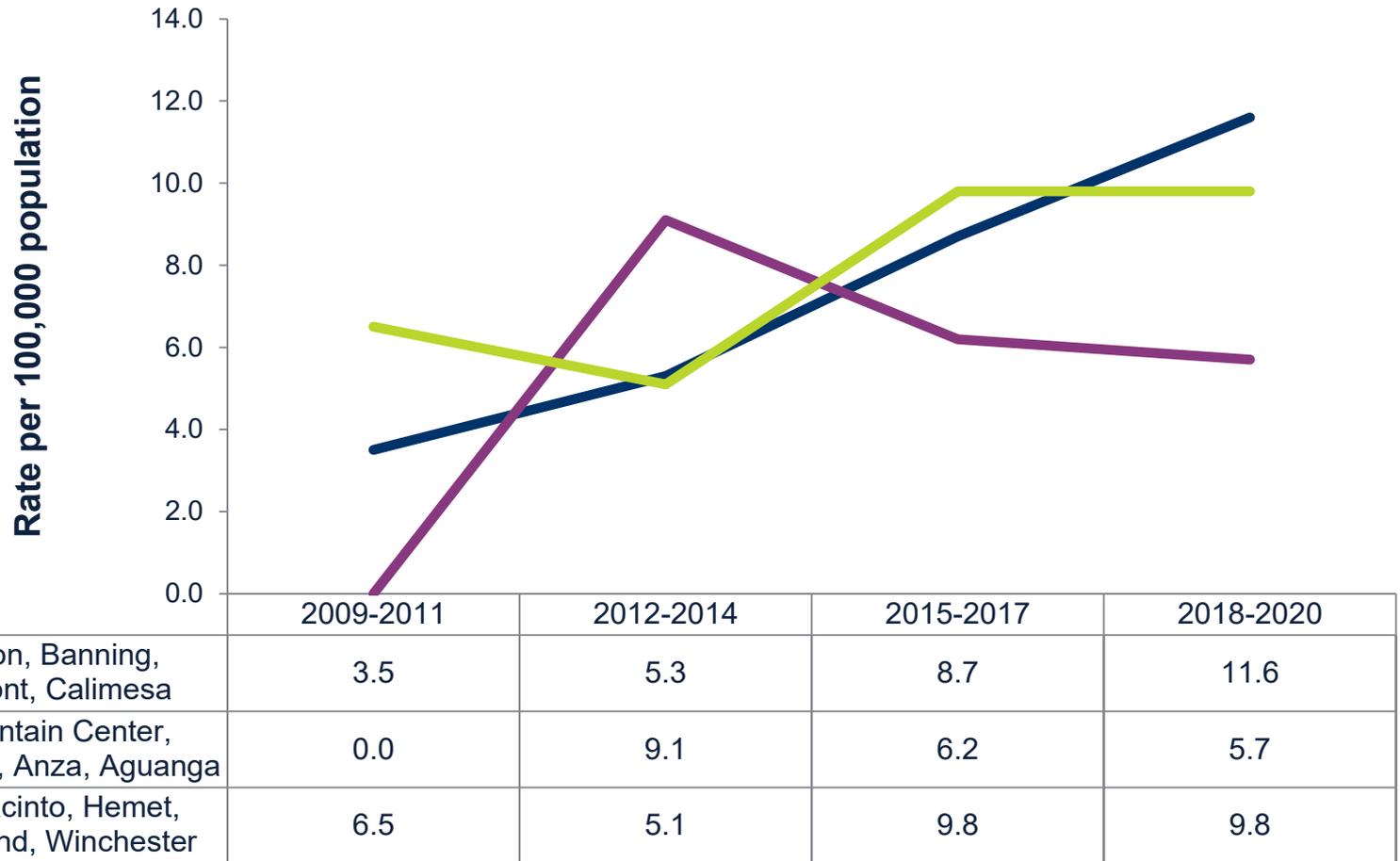
Mid-Riverside County HIV Incidence, 2011 - 2020

- Most new HIV cases in mid-Riverside County are among men of color.

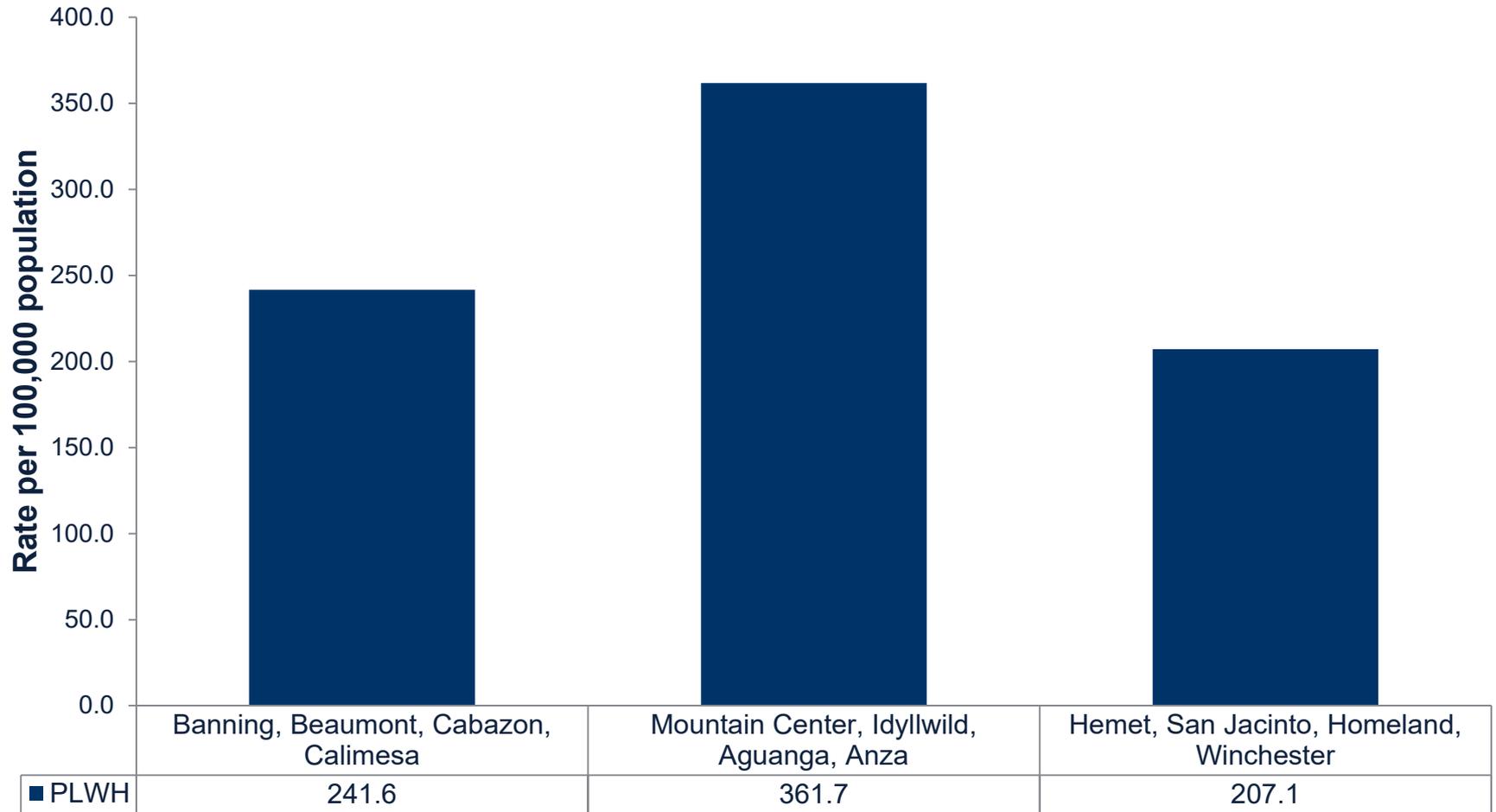
Gender	Percent of new cases
Male	82.1%
Female	17.9%
Trans Male and Female	0.0%

Ethnicity	Percent of new cases
Hispanic/Latinx	41.8%
Black/African American	18.3%
White	32.7%
All Other	7.2%

3-Year Average HIV Incidence Rates, Mid-Riverside County, 2009 - 2020



Prevalence of Persons Living with HIV/AIDS, Mid-Riverside County, 2020

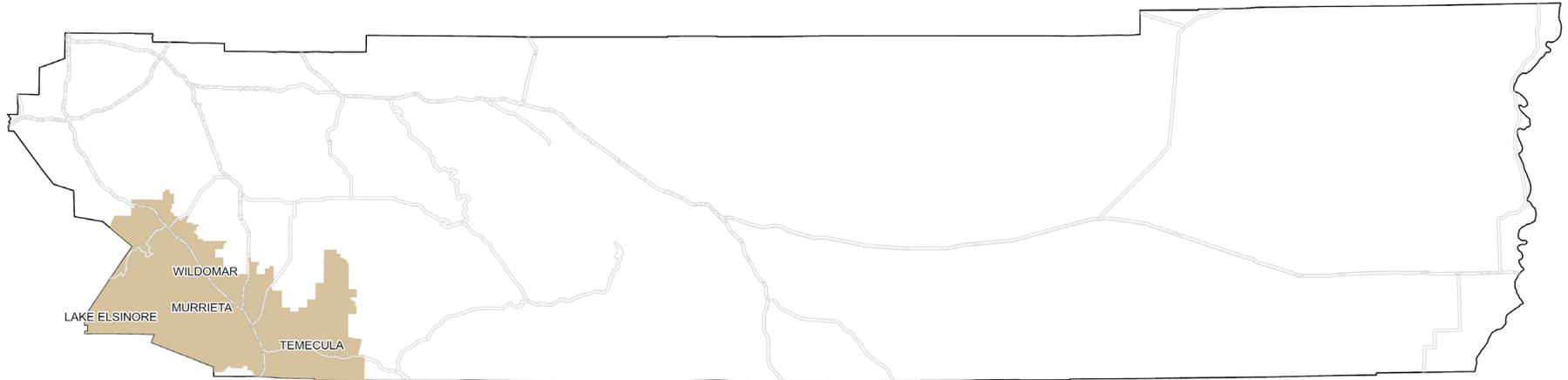


Mid-Riverside County Zip-Code & Population Key

	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
2010 Census	85,581	14,131	193,446
2013 ACS 5-Year Estimate	87,231	11,007	197,355
2016 ACS 5-Year Estimate	95,357	10,807	206,655
2019 ACS 5-Year Estimate	100,563	11,612	220,147

HIV in South Riverside County, CA

HIV/AIDS in South Riverside County, CA



- There are currently 475 people reported to be living with HIV in the south region of the county.
- 4.6% of all PLWH in Riverside County reside in the south part of the county.
- From 2011 through 2020, there have been 206 HIV cases diagnosed in the south region of the county.
 - Average of 20.6 new cases per year.

South Riverside County HIV Incidence, 2011 - 2020

- From 2011 through 2020, 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	6.3%
20 – 29	37.4%
30 – 39	24.8%
40 – 49	18.4%
50 – 59	9.2%
60 years old and older*	3.9%

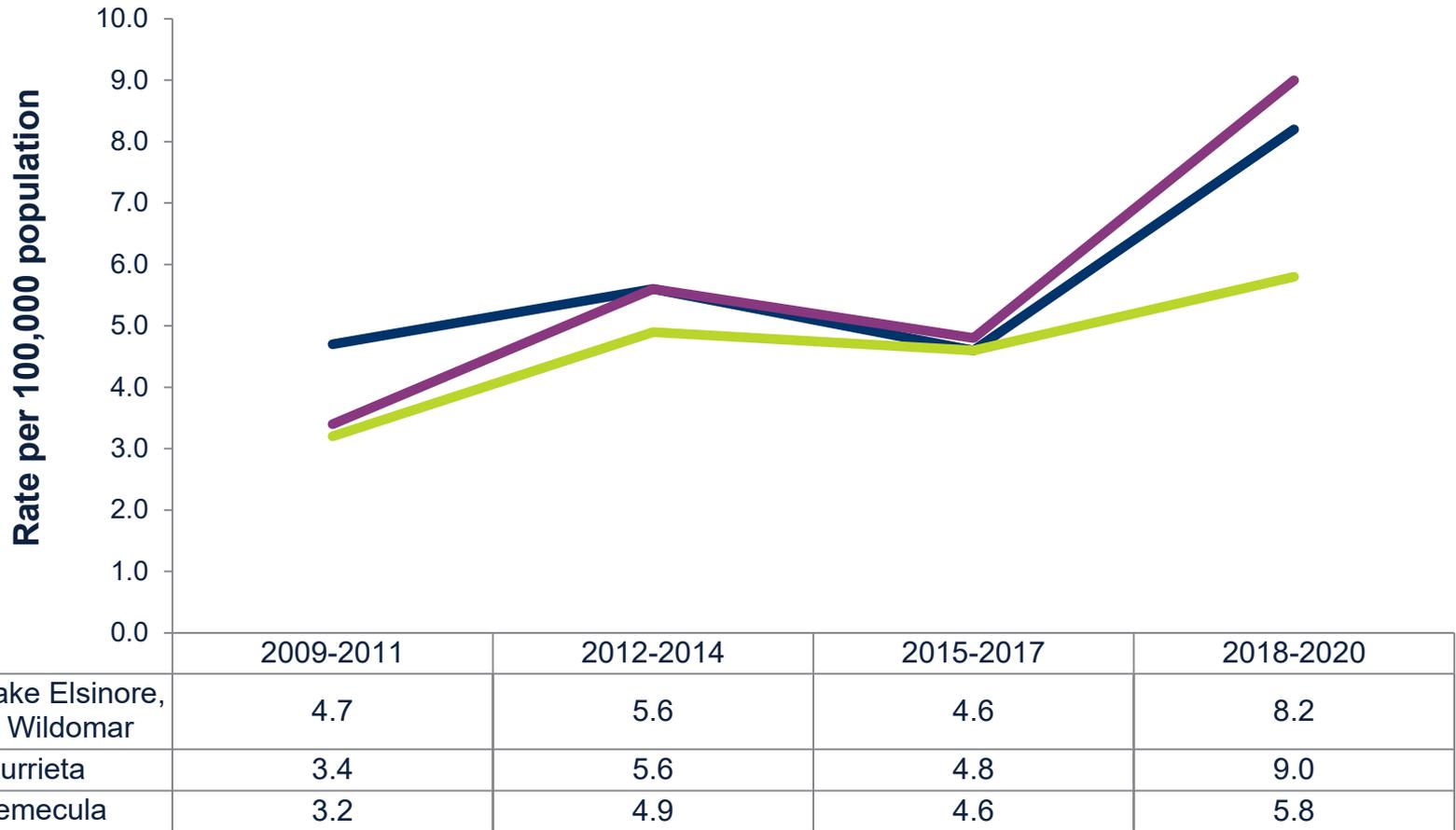
*Further age breakdown masked due to small numbers

South Riverside County HIV Incidence, 2011 - 2020

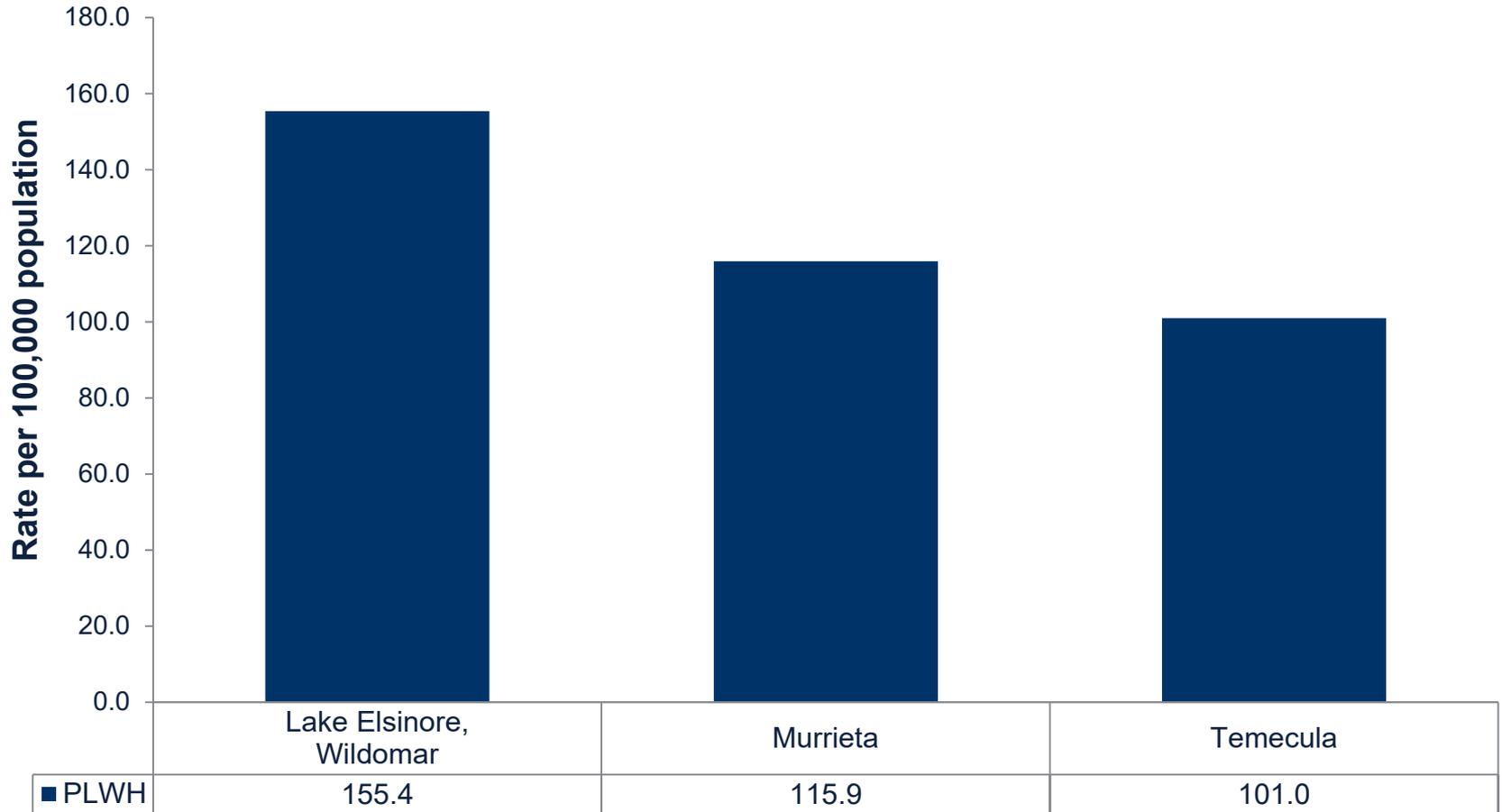
Gender	Percent of new cases
Male	87.4%
Female	12.1%
Trans Male and Female	0.5%

Ethnicity	Percent of new cases
Hispanic/Latinx	36.4%
Black/African American	14.1%
White	37.9%
Asian	5.8%
All Other	5.8%

3-Year Average HIV Incidence Rates, South Riverside County, 2009 - 2020



Prevalence of Persons Living with HIV/AIDS, South Riverside County, 2020

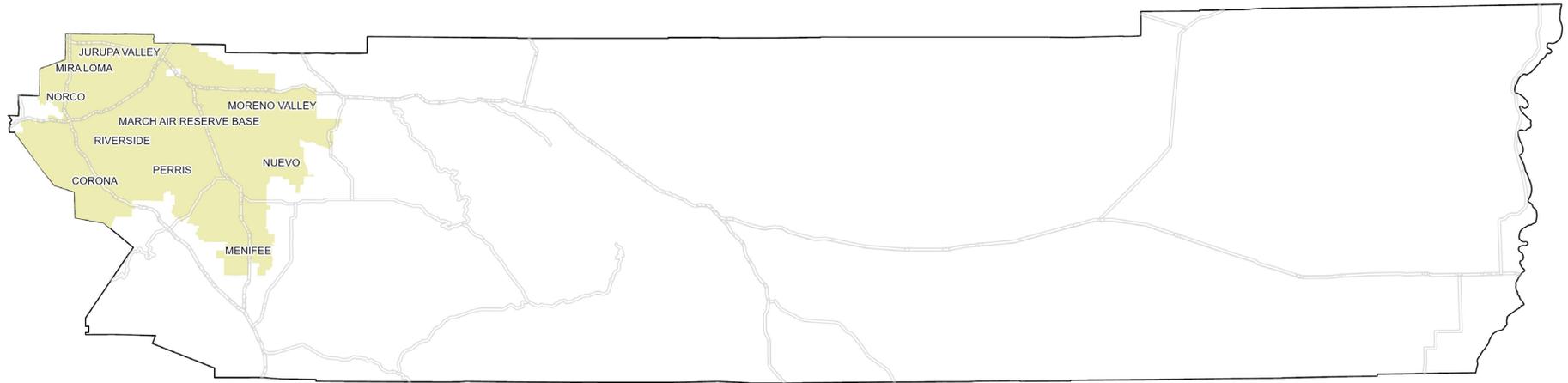


South Riverside County Zip-Code & Population Key

	Lake Elsinore, Wildomar	Murrieta	Temecula
	92530	92562	92590
	92532	92563	92591
	92595		92592
2010 Census	98,711	115,971	114,424
2013 ACS 5-Year Estimate	100,972	118,322	115,381
2016 ACS 5-Year Estimate	108,499	124,873	124,482
2019 ACS 5-Year Estimate	117,756	133,755	131,693

HIV in West Riverside County, CA

HIV in West Riverside County, CA



- There are currently 2,295 people reported to be living with HIV in west Riverside County.
- Nearly a quarter (22.2%) of all PLWH in Riverside County reside in the west part of the county.

HIV in West Riverside County, CA

- 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 59 in the rest of the county.
 - 34.8% of all people living with HIV in west county are under 40 years old. In the rest of Riverside County, only 10.6% of those living with HIV/AIDS are younger than 40.
 - 72.7% of all people living with HIV in west Riverside County are people of color compared to 29.9% in the rest of Riverside County.

West Riverside County HIV Incidence, 2011 - 2020

- From 2011 through 2020, there have been 1,172 HIV cases diagnosed in the west part of the county.
 - Average of 117.2 new cases per year.
- From 2011 through 2020, nearly three-quarters (71.4%) 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	4.8%
20 – 29	42.7%
30 – 39	24.0%
40 – 49	15.8%
50 – 59	9.6%
60 – 69	2.6%
70 years old and older	0.6%

West Riverside County HIV Incidence, 2011 - 2020

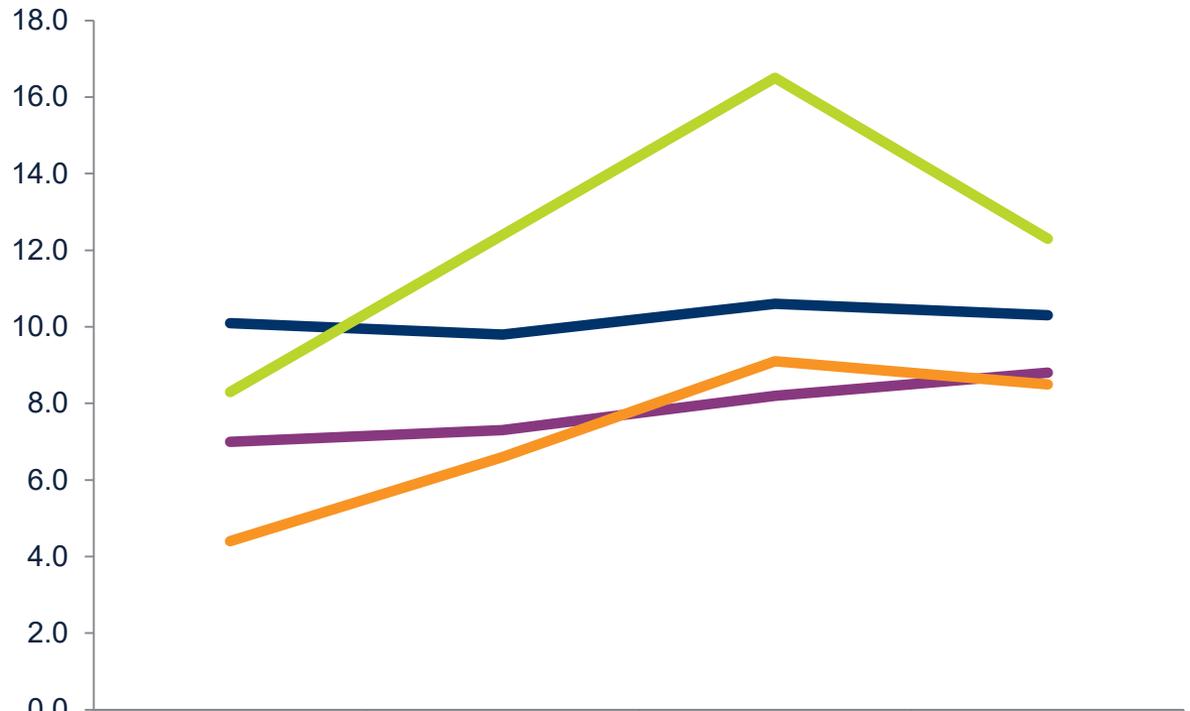
- Most new HIV cases in west Riverside County are among the Latinx population.

Gender	Percent of new cases
Male	87.4%
Female	11.4%
Trans Male and Female	1.2%

Ethnicity	Percent of new cases
Hispanic/Latinx	52.3%
Black/African American	19.5%
White	22.8%
Asian	2.6%
All Other	2.9%

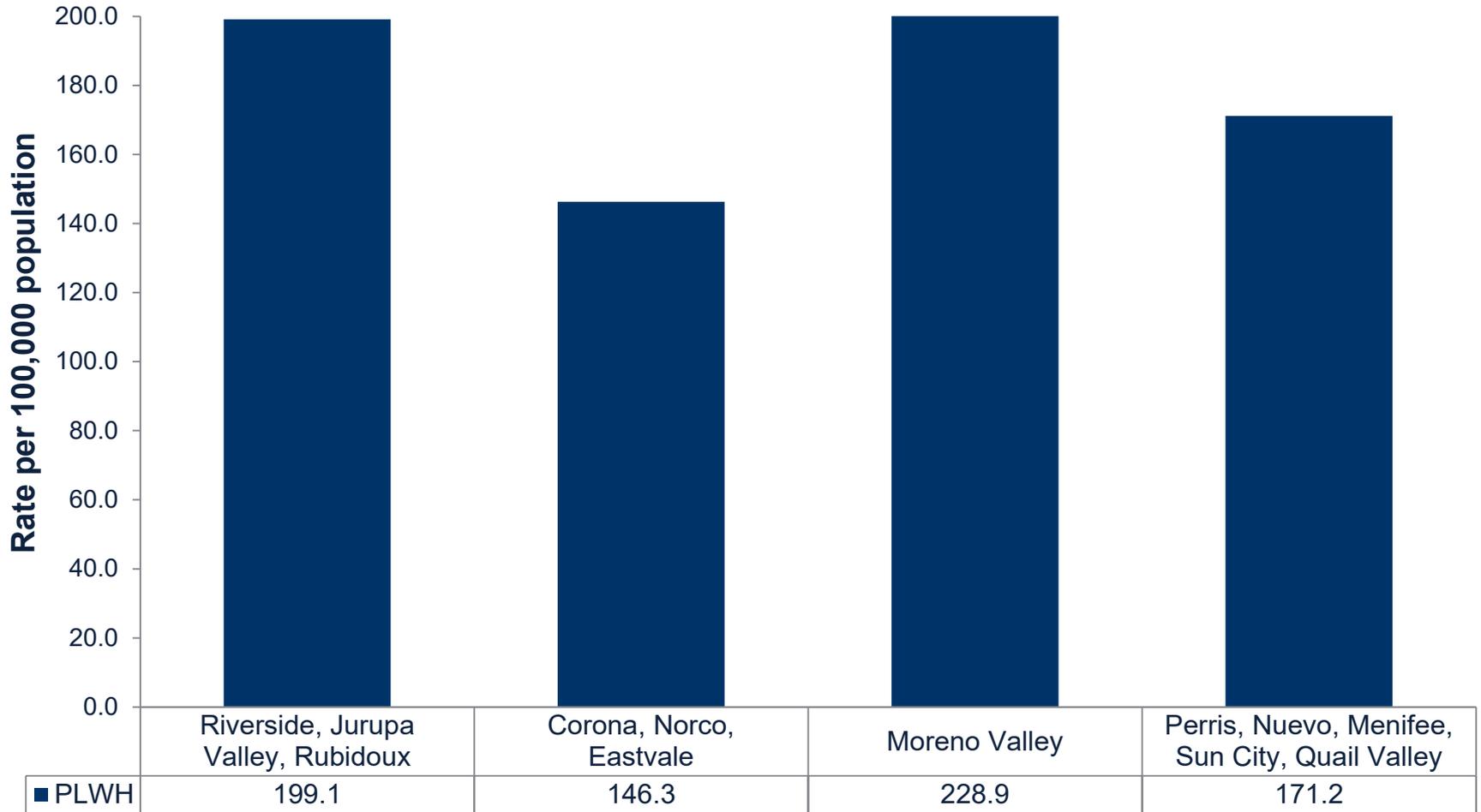
3-Year Average HIV Incidence, West Riverside County, 2009 - 2020

Rate per 100,000 population



	2009-2011	2012-2014	2015-2017	2018-2020
— Riverside, Jurupa Valley, Rubidoux	10.1	9.8	10.6	10.3
— Corona, Norco, Eastvale	7.0	7.3	8.2	8.8
— Moreno Valley	8.3	12.4	16.5	12.3
— Perris, Nuevo, Menifee, Sun City, Quail Valley	4.4	6.6	9.1	8.5

Prevalence of Persons Living with HIV/AIDS, West Riverside County, 2020



West Riverside County Zip-Code & Population 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			
2010 Census	450,347	260,915	193,933	213,359
2013 ACS 5-Year Estimate	460,888	273,154	196,436	216,745
2016 ACS 5-Year Estimate	476,018	277,905	202,410	231,580
2019 ACS 5-Year Estimate	492,238	287,091	207,971	241,807

3-year Prevalence and Incidence Tables

Table 1. Persons living with diagnosed HIV infection, by year and selected demographic characteristics, 2018–2020 Riverside County

Characteristic	2018			2019			2020		
	N	%	Rate	N	%	Rate	N	%	Rate
Age at end of year									
<20	32	0.3%	4.8	27	0.3%	4.1	23	0.2%	3.5
20 - 29	521	5.4%	140.3	558	5.6%	149.1	514	5.0%	136.9
30 - 39	975	10.2%	327.1	1,032	10.4%	339.7	1,110	10.7%	357.3
40 - 49	1,408	14.7%	489.1	1,350	13.6%	472.5	1,336	12.9%	470.4
50 - 59	3,347	35.0%	1,138.2	3,300	33.3%	1,117.0	3,210	31.1%	1,083.4
60 - 69	2,410	25.2%	1,022.4	2,679	27.0%	1,105.0	2,961	28.6%	1,181.9
70 - 79	728	7.6%	471.6	862	8.7%	537.7	1,013	9.8%	608.8
80+	94	1.0%	94.5	103	1.0%	99.1	143	1.4%	131.6
Unknown	52	0.5%	-	0	0.0%	-	27	0.3%	-
Race/ethnicity									
Hispanic/Latinx	2,350	24.6%	206.5	2,514	25.4%	218.8	2,661	25.7%	229.2
Native American	27	0.3%	226.8	30	0.3%	249.9	32	0.3%	264.6
Asian	152	1.6%	104.7	159	1.6%	108.3	176	1.7%	118.7
Black or African American	831	8.7%	579.5	878	8.9%	604.8	922	8.9%	627.8
Native Hawaiian/Pacific Islander	7	0.1%	105.8*	7	0.1%	104.8	8	0.1%	119.0*
White	5,994	62.7%	658.8	6,116	61.7%	669.1	6,272	60.7%	682.6
Multi-race	197	2.1%	366.6	204	2.1%	373.0	228	2.2%	410.2
Unknown	9	0.1%	-	3	0.0%	-	38	0.4%	-
Sex assigned at birth									
Male	8,821	92.2%	734.9	9,151	92.3%	756.1	9,550	92.4%	782.7
Female	745	7.8%	61.7	760	7.7%	62.4	783	7.6%	63.7
Unknown	1	0.0%	-	0	0.0%	-	4	0.0%	-
Gender									
Cisgender men	8,786	91.8%	-	9,123	92.0%	-	9,503	91.9%	-
Cisgender women	742	7.8%	-	758	7.6%	-	772	7.5%	-
Trans women	35	0.4%	-	28	0.3%	-	47	0.5%	-
Trans men	3	0.0%	-	2	0.0%	-	11	0.1%	-
Unknown	1	0.0%	-	0	0.0%	-	4	0.0%	-
Transmission category									
Male-to-male sexual contact (MMSC)	7,489	78.3%	-	7,771	78.4%	-	8,071	78.1%	-
Injection drug use (IDU)	330	3.4%	-	327	3.3%	-	336	3.3%	-
MMSC and IDU	527	5.5%	-	548	5.5%	-	556	5.4%	-
Heterosexual contact	633	6.6%	-	646	6.5%	-	648	6.3%	-
Perinatal exposure	31	0.3%	-	27	0.3%	-	30	0.3%	-
Unknown risk	548	5.7%	-	576	5.8%	-	679	6.6%	-
Other	9	0.1%	-	16	0.2%	-	17	0.2%	-
HIV stage at the end of the year									
Stage 3 (AIDS) at end of year	5,557	58.1%	230.7	5,645	57.0%	232.5	5,779	55.9%	235.9
Not in stage 3 at end of year	4,010	41.9%	166.5	4,266	43.0%	175.7	4,558	44.1%	186.1
County Region									
West Riverside Co.	2,109	22.0%	173.9	2,199	22.2%	178.9	2,295	22.2%	186.7
South Riverside Co.	428	4.5%	113.3	440	4.4%	114.8	475	4.6%	124.0
Mid-Riverside Co.	665	7.0%	203.0	690	7.0%	207.6	741	7.2%	223.0
East Riverside Co.	6,347	66.3%	1,364.5	6,561	66.2%	1,404.3	6,820	66.0%	1,459.7
Unknown	18	0.2%	-	21	0.2%	-	6	0.1%	-
TOTALS	9,567	100.0%	397.2	9,911	100.0%	408.1	10,337	100.0%	422.0

Note: Rates are per 100,000 population. Dash (—) indicates rates not calculated due to unknown population denominators. Until 2003, Asian/Native Hawaiian/Pacific Islander was classified as a single category; therefore persons with race/ethnicity data only available prior to 2003 are classified as Asian because they cannot be disaggregated. Rates in red* should be interpreted with caution due to instability of small numbers

Table 2. Persons newly diagnosed with HIV infection, by year and selected demographic characteristics, 2018–2020 Riverside County

Characteristic	2018			2019			2020		
	N	%	Rate	N	%	Rate	N	%	Rate
Age at end of year									
<20	1	0.4%	0.1*	2	0.7%	0.3*	7	2.6%	1.1*
20 - 29	77	28.7%	20.7	80	29.0%	21.4	82	30.8%	21.8
30 - 39	79	29.5%	26.5	88	31.9%	29.0	81	30.5%	26.1
40 - 49	35	13.1%	12.2	46	16.7%	16.1	31	11.7%	10.9
50 - 59	31	11.6%	10.5	36	13.0%	12.2	33	12.4%	11.1
60 - 69	25	9.3%	10.6	14	5.1%	5.8*	22	8.3%	8.8
70 - 79	6	2.2%	3.9*	1	0.4%	0.6*	6	2.3%	3.6*
80+	0	0.0%	0.0	1	0.4%	1.0*	1	0.4%	0.9*
Unknown	14	5.2%	-	8	2.9%	-	3	1.1%	-
Race/ethnicity									
Hispanic/Latinx	108	40.3%	9.5	139	50.4%	12.1	130	48.9%	11.2
Native American	1	0.4%	8.4*	2	0.7%	16.7*	0	0.0%	0.0
Asian	6	2.2%	4.1*	8	2.9%	5.5*	9	3.4%	6.1*
Black or African American	32	11.9%	22.3	41	14.9%	28.2	40	15.0%	27.2
Native Hawaiian/Pacific Islander	2	0.7%	30.2*	1	0.4%	15.0*	0	0.0%	0.0
White	106	39.6%	11.6	77	27.9%	8.4	69	25.9%	7.5
Multi-race	11	4.1%	20.5*	6	2.2%	11.0*	7	2.6%	12.6*
Unknown	2	0.7%	-	2	0.7%	-	11	4.1%	-
Sex assigned at birth									
Male	243	90.7%	20.2	243	88.0%	20.1	239	89.8%	19.6
Female	25	9.3%	2.1	33	12.0%	2.7	27	10.2%	2.2
Unknown	0	0.0%	-	0	0.0%	-	0	0.0%	-
Gender									
Cisgender men	241	89.9%	-	242	87.7%	-	236	88.7%	-
Cisgender women	23	8.6%	-	33	12.0%	-	27	10.2%	-
Trans women	2	0.7%	-	1	0.4%	-	3	1.1%	-
Trans men	2	0.7%	-	0	0.0%	-	0	0.0%	-
Unknown	0	0.0%	-	0	0.0%	-	0	0.0%	-
Transmission category									
Male-to-male sexual contact (MMSC)	188	70.1%	-	190	68.8%	-	190	71.4%	-
Injection drug use (IDU)	8	3.0%	-	9	3.3%	-	6	2.3%	-
MMSC and IDU	6	2.2%	-	4	1.4%	-	2	0.8%	-
Heterosexual contact	11	4.1%	-	12	4.3%	-	7	2.6%	-
Perinatal exposure	1	0.4%	-	0	0.0%	-	1	0.4%	-
Unknown risk	54	20.1%	-	61	22.1%	-	60	22.6%	-
Other	0	0.0%	-	0	0.0%	-	0	0.0%	-
County Region									
West Riverside Co.	125	46.6%	10.3	124	44.9%	10.1	121	45.5%	9.8
South Riverside Co.	30	11.2%	7.9	34	12.3%	8.9	24	9.0%	6.3
Mid-Riverside Co.	27	10.1%	8.2	43	15.6%	12.9	32	12.0%	9.6
East Riverside Co.	86	32.1%	18.5	75	27.2%	16.1	86	32.3%	18.4
Unknown	0	0.0%	-	0	0.0%	-	3	1.1%	-
TOTALS	268	100.0%	11.1	276	100.0%	11.4	266	100.0%	10.9

Note: Rates are per 100,000 population. Dash (—) indicates rates not calculated due to unknown population denominators. Rates in red* should be interpreted with caution due to instability of small numbers

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, 2020.

* Data extracted from the Enhanced HIV/AIDS Reporting System (eHARS) 2nd quarter (July), 2021

Population:

U.S. Census Bureau, 2010 Census

2011 – 2019 U.S. Census Bureau, American Community Survey, 5-Year Estimates

2010 -2020 California Department of Finance. Demographic Research Unit. Report P-3: Population Projections, California, 2010-2060 (Baseline 2019 Population Projections; Vintage 2020 Release). Sacramento, California. April 2021.

Continuum of Care Data:

California Department of Public Health, Office of AIDS, California HIV Surveillance Report — 2019.

Local Health Jurisdiction Continuum of Care Analysis, California Department of Public Health, Office of AIDS.

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