Epidemiology of HIV/AIDS in Riverside County, 2017

Epidemiology & Program Evaluation Riverside University Health System – Public Health Note: Incidence and prevalence numbers may be different from previous reports due to 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.rivcohivaids.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

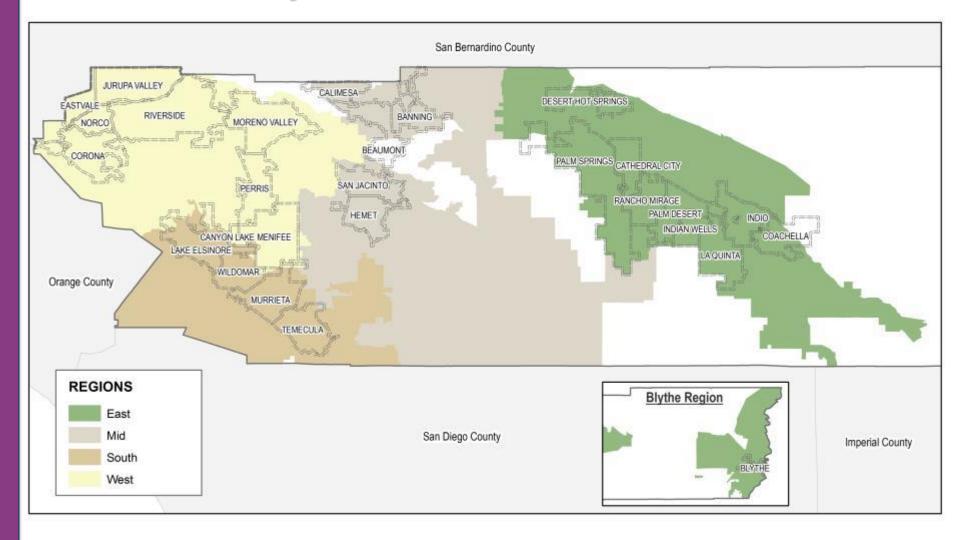
This report is based on Human Immunodeficiency Virus (HIV) case surveillance in Riverside County, California.

For HIV/AIDS 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 or AIDS 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/A: Persons living with HIV or AIDS



Riverside County, CA



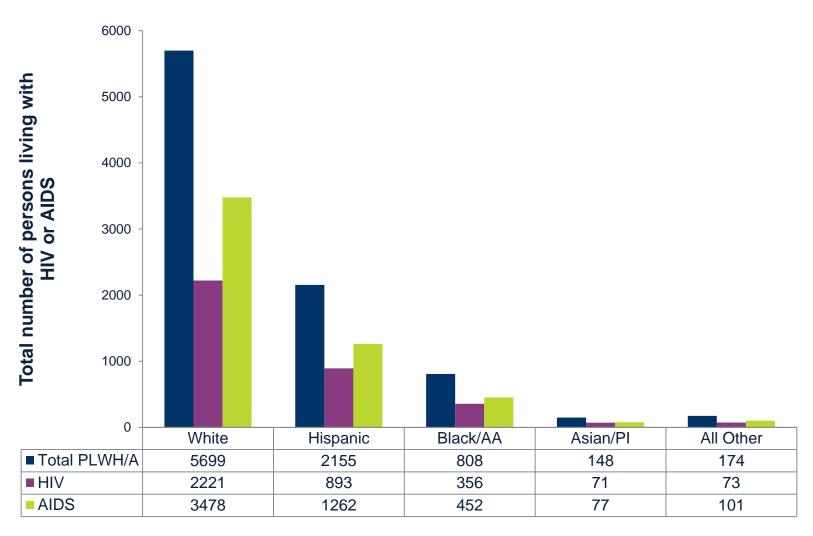


Prevalence

People currently living with HIV or AIDS in Riverside County



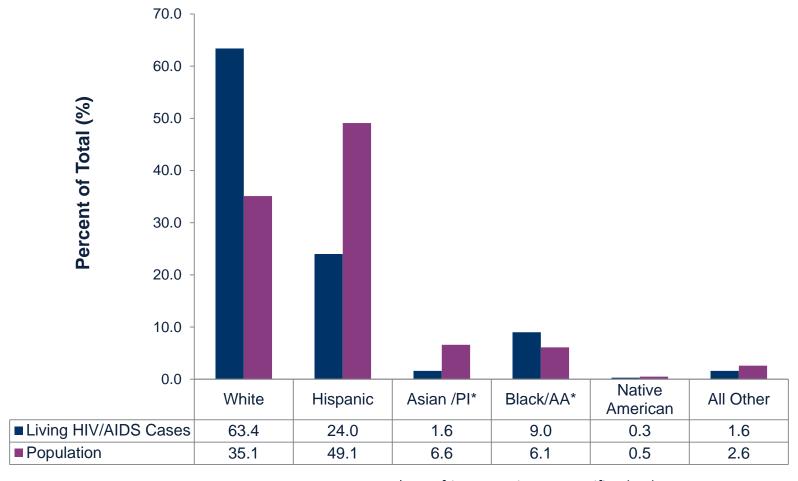
Count of Living HIV and AIDS Cases by Race/Ethnicity, Riverside County, 2017



8,984 Total PLWH/A 3,614 persons living with HIV 5,370 persons living with AIDS



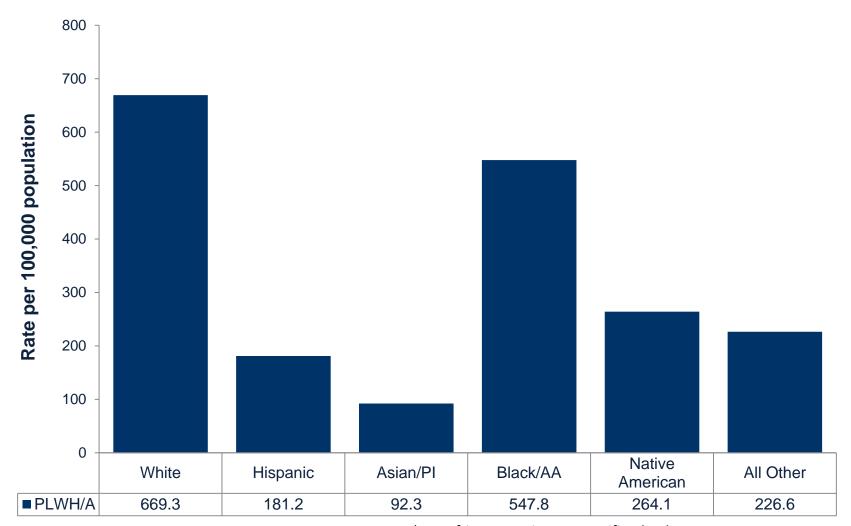
Proportion of the Total Population, Prevalent HIV/AIDS Cases by Race/Ethnicity, Riverside County, 2017



^{*}AA=African American, PI=Pacific Islander



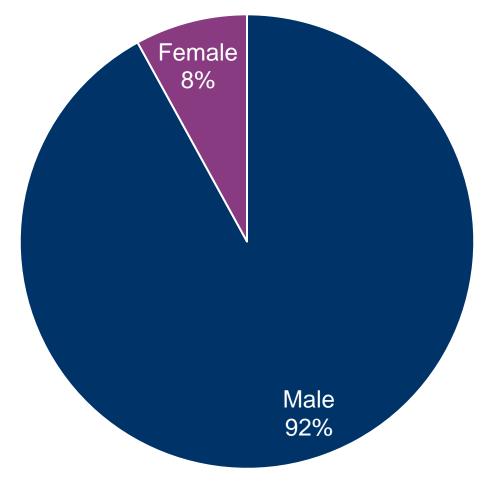
HIV/AIDS Prevalence (Living) Rates by Race/Ethnicity, Riverside County, 2017







HIV/AIDS Prevalence (Living) by Sex, Riverside County, 2017



Female=Female gender assigned at birth. Does not include transgender females.

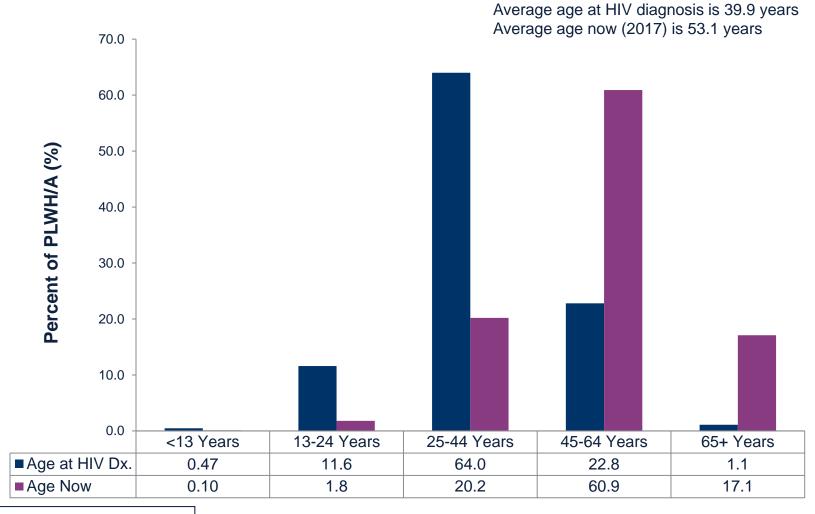
Male=Male gender assigned at birth. Does not include transgender males.

Currently there are 22 reported PLWH/A in Riverside County who are

Currently there are 22 reported PLWH/A in Riverside County who are transgender. Please see summary slide 33 for information.



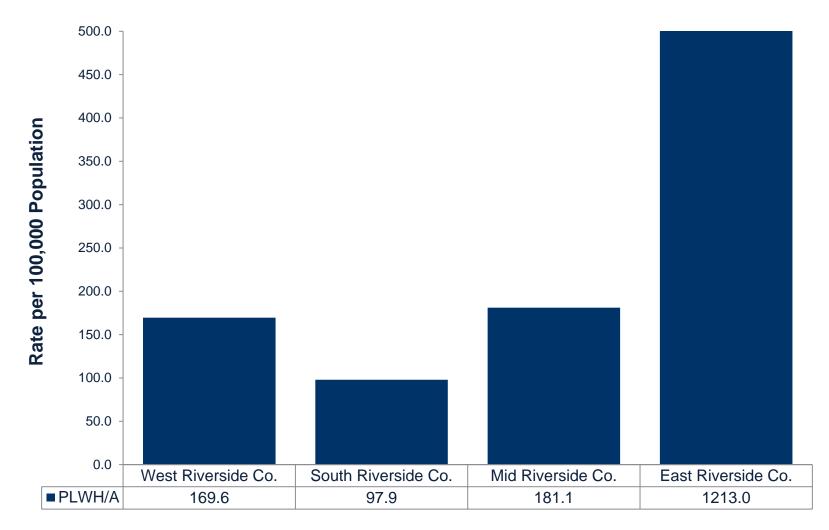
PLWH/A by Age at Time of HIV Diagnosis (Dx) vs. Age Now (2017)



Mean age now 53.1 years Median age now 55.0 Mean age at HIV dx 36.9 Median age at HIV dx 36.0

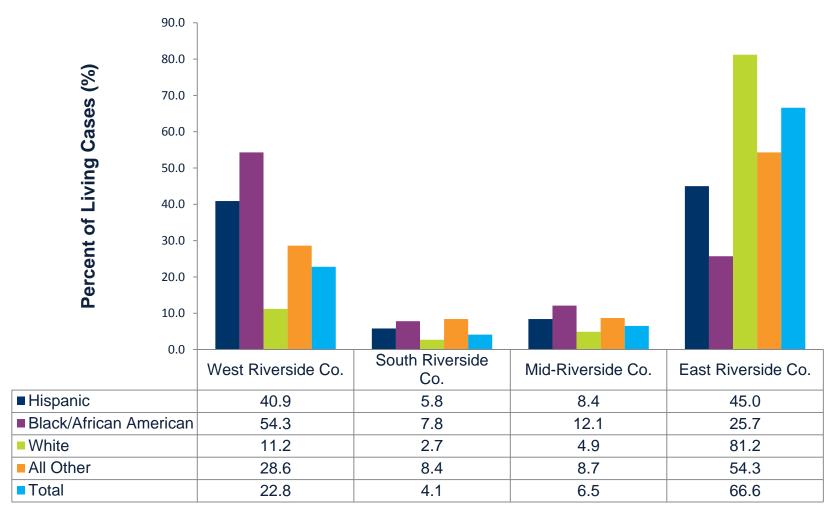


HIV/AIDS Prevalence (Living) by Region, Riverside County, 2017





Racial/Ethnic Distribution of PLWH/A by County Region, 2017

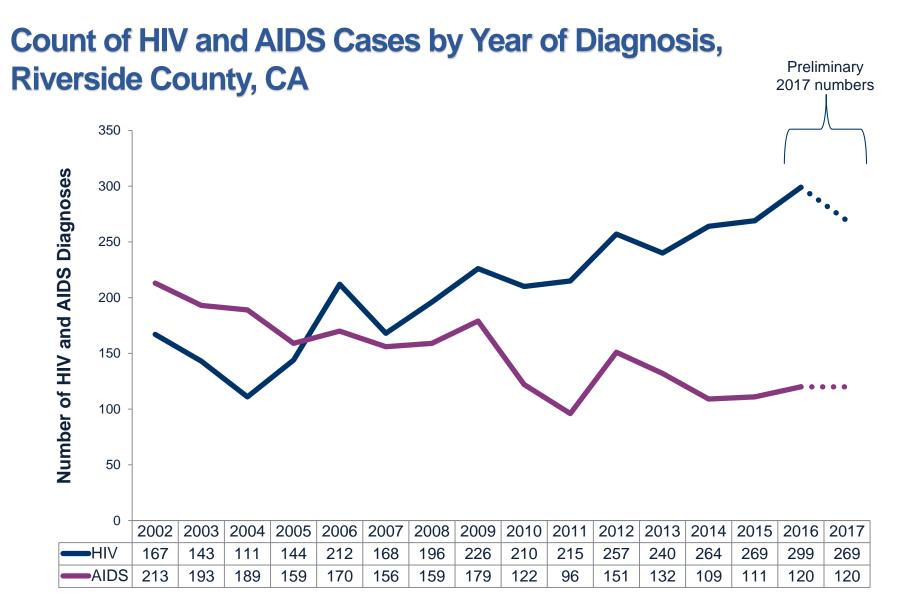




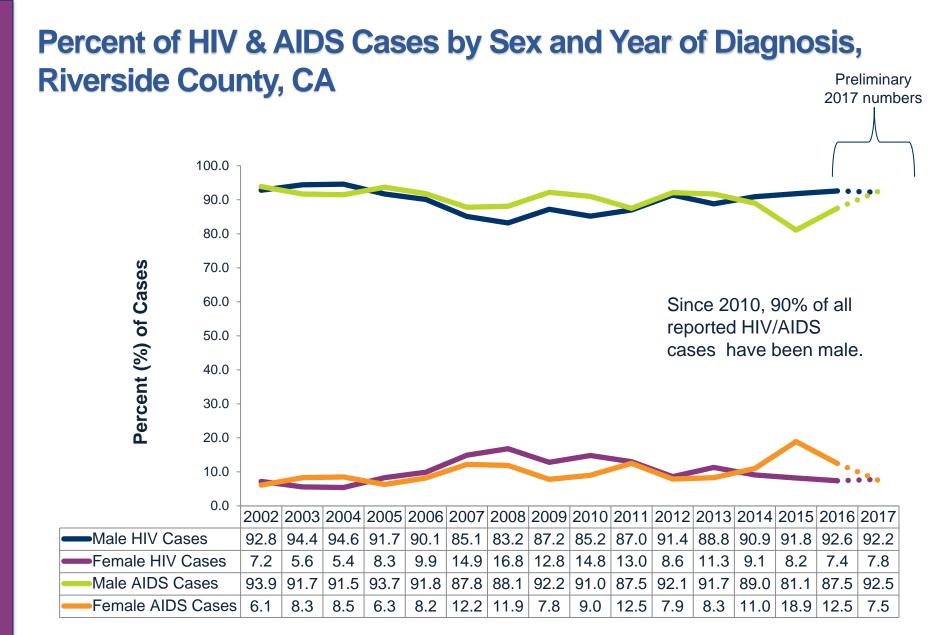
Incidence

New HIV/AIDS cases by year of diagnosis in Riverside County





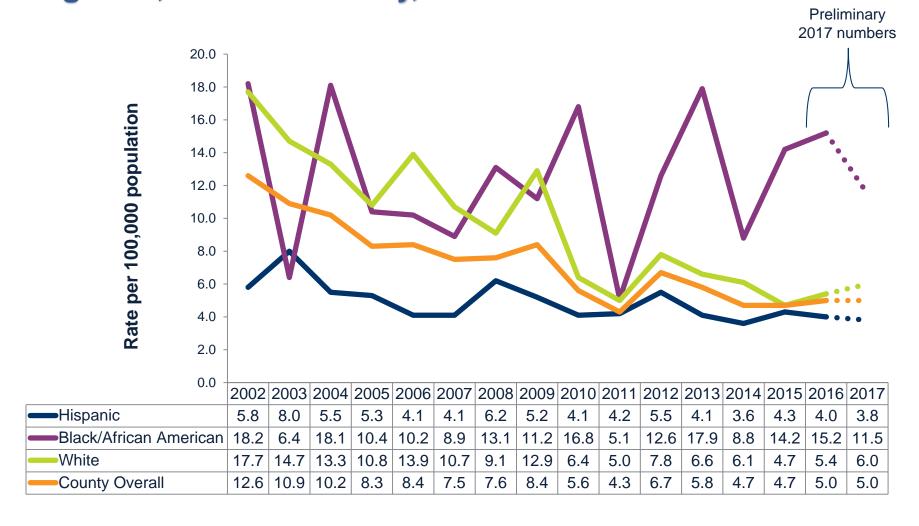
NOTE: Individuals diagnosed with HIV and AIDS in the same calendar year are counted as both an HIV and AIDS incidence.



Since 2010, 90.3% of HIV cases and 89.3% of AIDS cases have been among men. Female=Female gender assigned at birth. Does not include transgender females. Male=Male gender assigned at birth. Does not include transgender males.

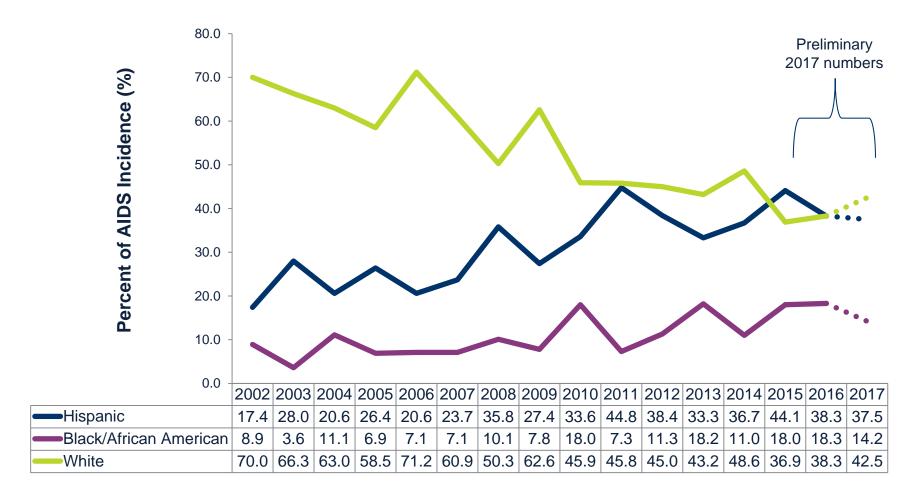


AIDS Incidence Rates by Race/Ethnicity and Year of Diagnosis, Riverside County, CA



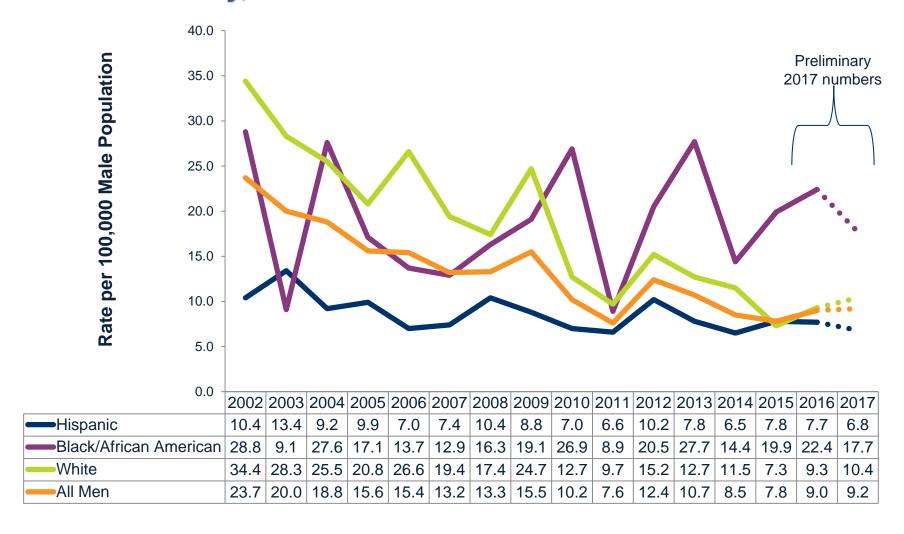


Percent of AIDS Cases by Year of Diagnosis and Race/Ethnicity, Riverside County, CA





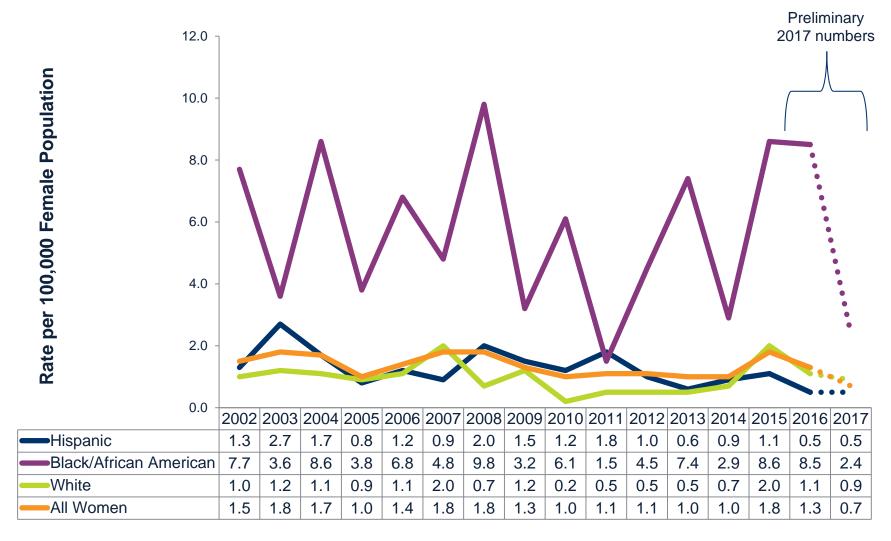
Male AIDS Rates by Year of Diagnosis and Race/Ethnicity, Riverside County, CA



Male=Male gender assigned at birth. Does not include transgender males.

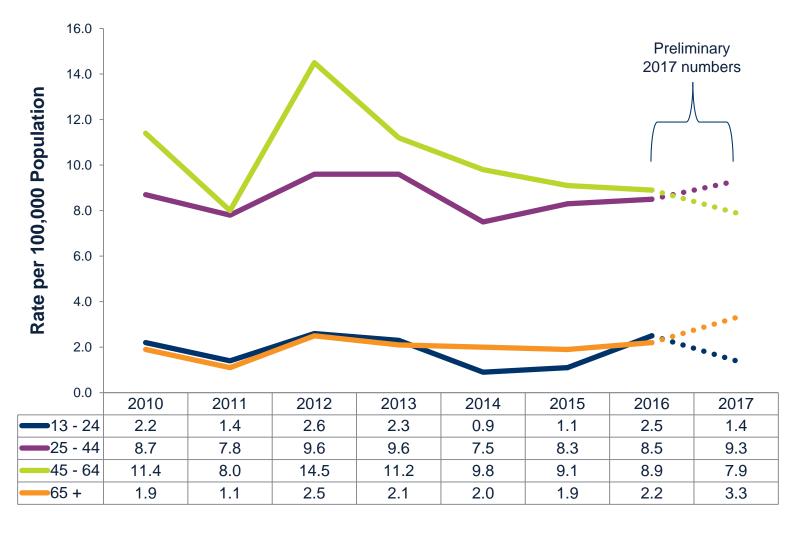


Female AIDS Rates by Year of Diagnosis and Race/Ethnicity, Riverside County, CA

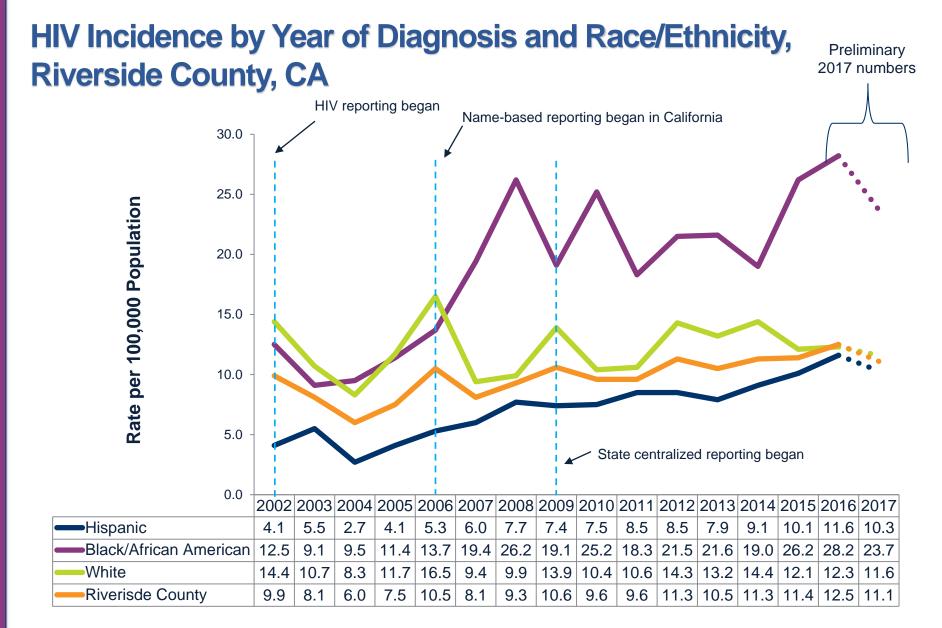




AIDS Incidence Rates by Year and Age Group, Riverside County, CA

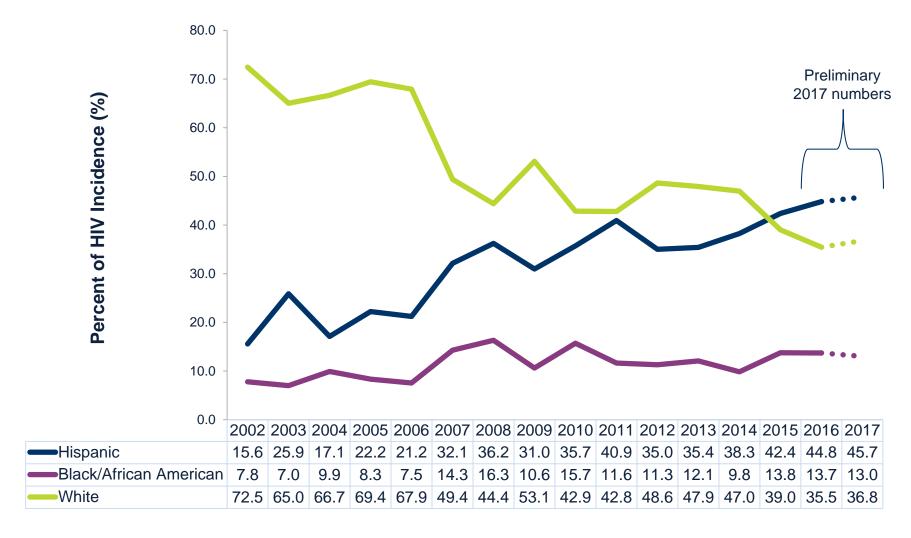






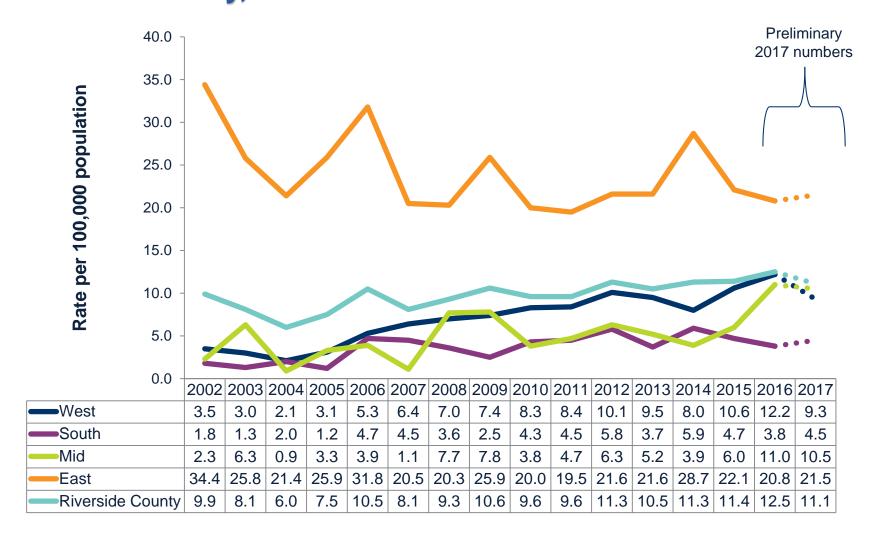


Percent of HIV Cases by Year of Diagnosis and Race/Ethnicity, Riverside County, CA



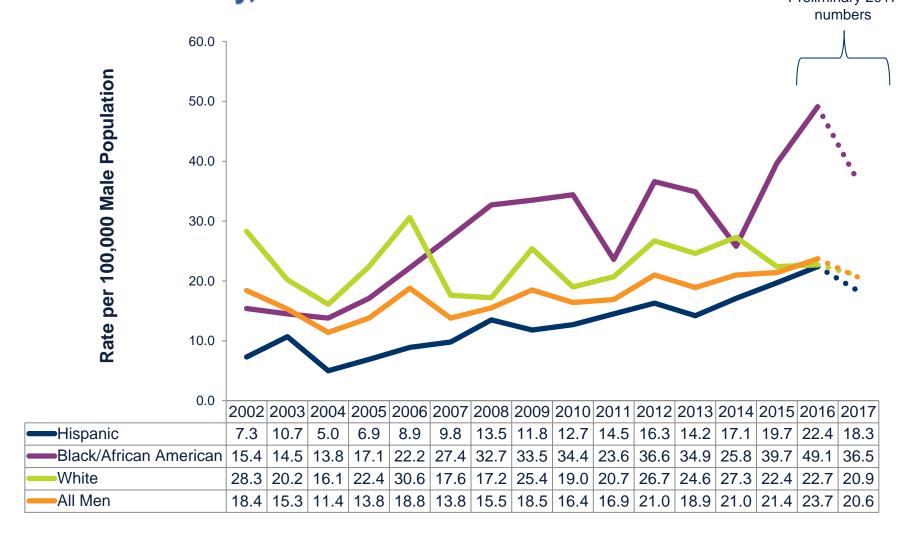


HIV Incidence by Year of Diagnosis and County Region, Riverside County, CA



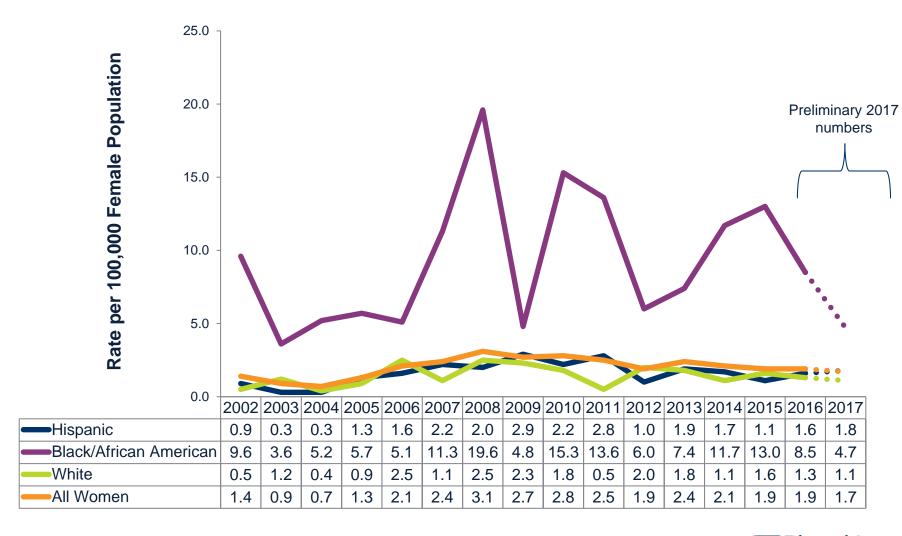


Male HIV Incidence by Race/Ethnicity and Year of Diagnosis, Riverside County, CA



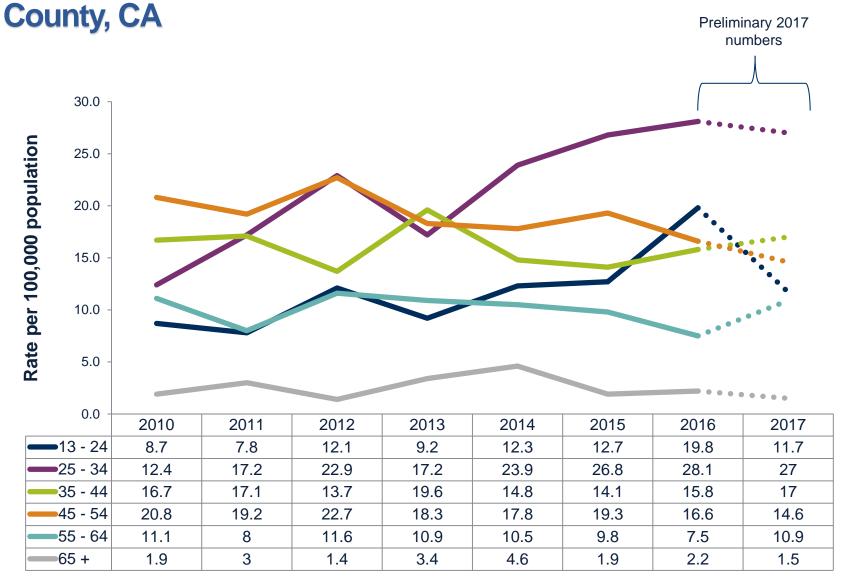


Female HIV Incidence by Race/Ethnicity and Year of Diagnosis, Riverside County, CA



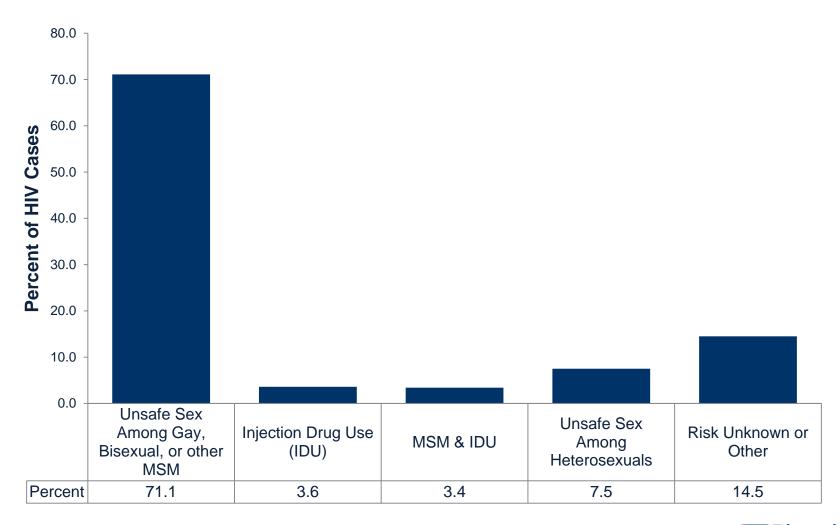


HIV Incidence Rates by Year and Age Group, Riverside





Reported Risk Factor for HIV Cases Diagnosed from 2008 through 2017, Riverside County, CA



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



Riverside County HIV/AIDS Summary



Summary

- There are currently 8,984 people reported living with HIV/AIDS in Riverside County.
- Of PLWH/A diagnosed in the county, 63% are White.
- East Riverside County has nearly three times the number of PLWH/A than any other county region.
- The greatest proportion of African American PLWH/A live in west Riverside County.
- Though only 6% of the population, African Americans represent 13% of all new HIV cases diagnosed in the county.
- West, south and mid-county regions have all experienced increases in new HIV diagnoses since 2002.



Summary Continued

- Nearly 8% of all HIV cases diagnosed since 2008 have been from unsafe heterosexual sex.
- Since 2008, nearly three-quarters (71%) of newly diagnosed HIV cases have been Gay, Bisexual or other men who have unprotected sex with men (MSM).
- 68% of people living with HIV/AIDS in Riverside County are 50 years old or older.
- Over the past three years (2015 2017), twenty-percent (20.7%) of all new HIV cases in Riverside County were in people 50 years old or older.
- Over the past three years (2015 2017), over a quarter (28.4%) of all new HIV cases in Riverside County were in people 25 years old and younger.



Summary Continued

- There are 22 reported transgender PLWH/A in Riverside County.
 This is likely an undercount due to non-disclosure of gender identity status.
 - 55% of transgender PLWH/A live in west Riverside County
 - 55% of transgender PLWH/A are 45 years old or older
 - 64% transgender PLWH/A are non-white

To maintain confidentiality further analysis of the transgender population is not shown.



HIV/AIDS in East Riverside County



HIV/AIDS in East Riverside County

- There are currently 5,977 people reported to be living with HIV/AIDS in east Riverside County.
- The prevalence rate of PLWH/A in Palm Springs (7,170.5 per 100,000) is nearly 20 times higher than California overall (376.0 per 100,000).
- Two-thirds of all PLWH/A in Riverside County reside in the Coachella Valley.
- East Riverside County is home to an older group of PLWH/A
 - The average age of persons living with HIV/AIDS in east Riverside County is 56.3 years, compared to 46.7 in the rest of the county.
 - 38.9% of all people living with HIV/AIDS in east Riverside County are 60 or older. In the rest of Riverside County, only 16.1% of those living with HIV/AIDS are over 60.



East Riverside County HIV Incidence, 2008 - 2017

- From 2008 through 2017 there have been 1,033 new HIV cases diagnosed in east Riverside County.
 - Average of 103.3 new cases per year.
- From 2008 through 2017 nearly half of all HIV cases diagnosed in east Riverside County are among adults 45 years old or older.

Age group	Percent of new cases
Under 13	0.3%
13 – 24	10.8%
25 – 44	39.3%
45 – 64	44.8%
65 years old and older	4.6%



East Riverside County HIV Incidence, 2008 - 2017

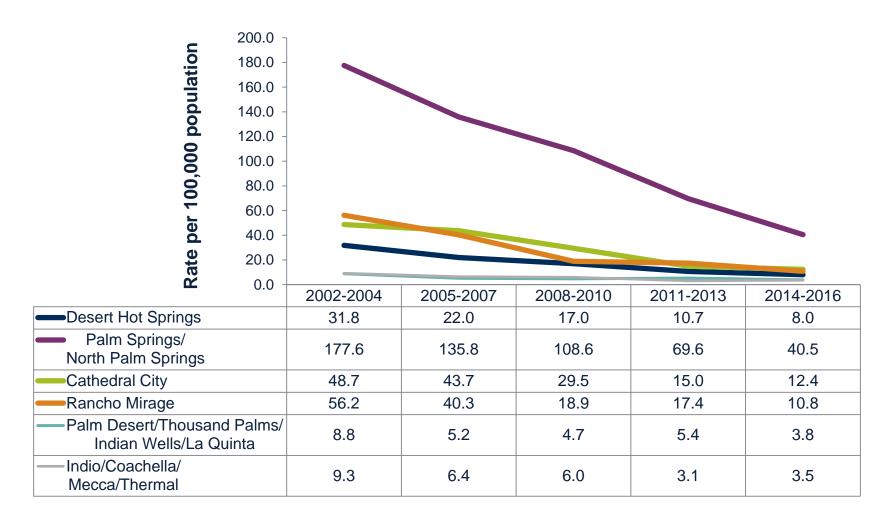
 Most HIV cases in east Riverside County are among White non-Hispanic men.

Sex	Percent of new cases
Male	94.6%
Female	5.4%

Ethnicity	Percent of new cases
Hispanic	31.0%
Black/African American	4.5%
White	60.8%
All Other	3.7%

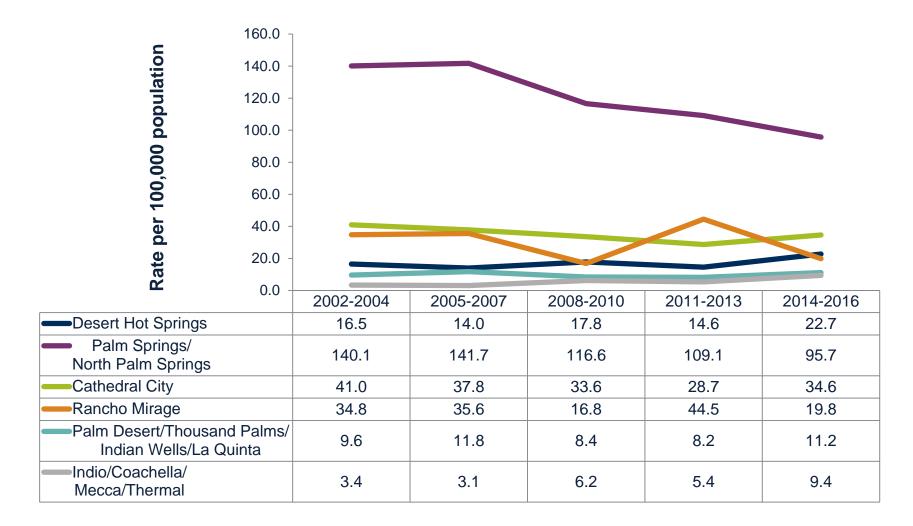


3-Year Average AIDS Incidence, Coachella Valley, 2002 - 2016



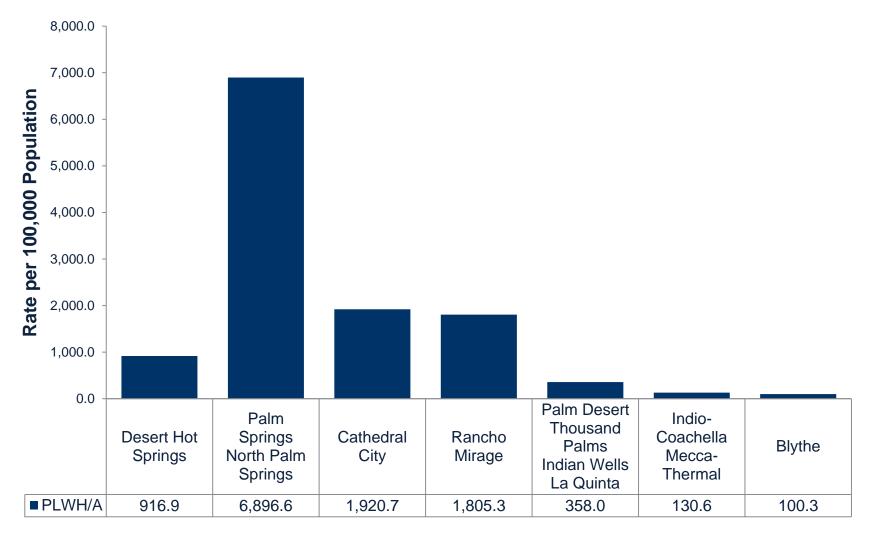


3-Year Average HIV Incidence, Coachella Valley, 2002 - 2016





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





East Riverside County – Zip Code Key

					Palm		
					Desert/Thousand		
		Palm Springs/			Palms/		
	Desert Hot	North Palm	Cathedral	Rancho	Indian Wells/La	Indio/Coachella/	
	Springs	Springs	City	Mirage	Quinta	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	51507	17,215	105,345	158,326	
2017 Estimates	49,626	49,720	55,292	19,000	115,937	185,368	16,941



HIV/AIDS in Mid-Riverside County, CA



HIV/AIDS in Mid-Riverside County, CA

- There are currently 584 people reported to be living with HIV/AIDS in the mid-section of the county.
- 6.5% of all PLWH/A in Riverside County reside in the mid-part of the county.
- From 2008 through 2017 there have been 203 HIV cases diagnosed in the mid-part of the county.
 - Average of 20.3 new cases per year.



Mid-Riverside County HIV Incidence, 2008 - 2017

 From 2008 through 2017 over a fifth of all new HIV cases in mid-Riverside County were among youth under 24 years old.

Age group	Percent of new cases
Under 13	0.5%
13 – 24	20.2%
25 – 44	46.8%
45 – 64	30.5%
65 years old and older	2.0%



Mid-Riverside County HIV Incidence, 2008 - 2017

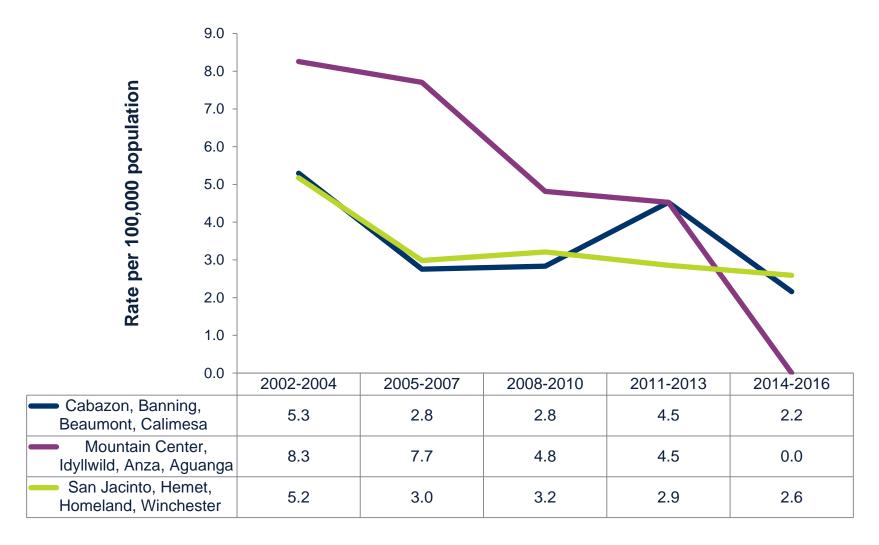
 Most new HIV cases in mid-Riverside County are among Non-White men.

Sex	Percent of new cases	
Male	82.8%	
Female	17.2%	

Ethnicity	Percent of new cases
Hispanic	35.5%
Black/African American	18.7%
White	40.9%
All Other	4.9%

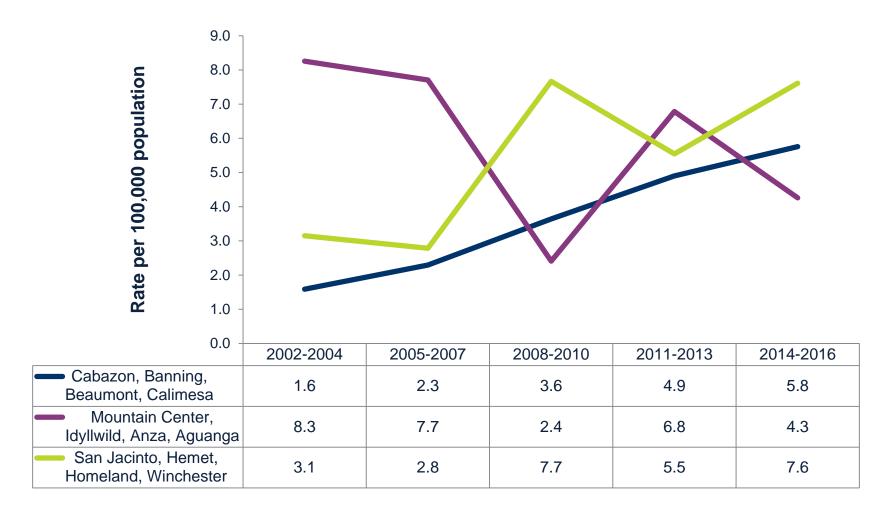


3-Year Average AIDS Incidence Rates, Mid-Riverside County, 2002 - 2016



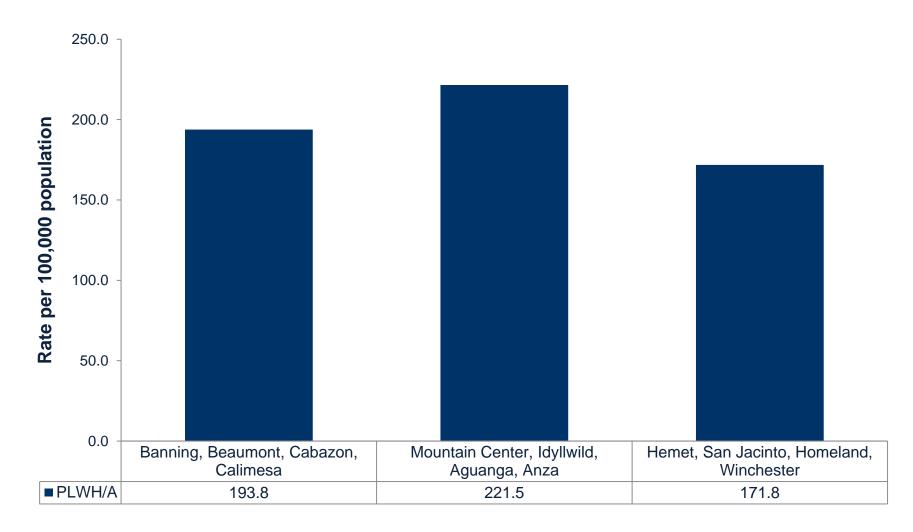


3-Year Average HIV Incidence Rates, Mid-Riverside County, 2002 - 2016





Prevalence of Persons Living with HIV/AIDS, Mid-Riverside County, 2017





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
2017 Population Estimate	95,455	16,254	210,763



HIV/AIDS in South Riverside County, CA



HIV/AIDS in South Riverside County, CA

- There are currently 366 people reported to be living with HIV/AIDS in the south section of the county.
- 4.1% of all PLWH/A in Riverside County reside in the south part of the county.
- From 2008 through 2017, there have been 151 HIV cases diagnosed in the south part of the county.
 - Average of 15.1 new cases per year.



South Riverside County HIV Incidence, 2008 - 2017

 From 2008 through 2017, over three-quarters of all HIV cases diagnosed in south Riverside County were among those younger than 45 years old.

Age group	Percent of new cases
Under 13	1.3%
13 – 24	29.8%
25 – 44	45.0%
45 – 64	22.5%
65 years old and older	1.3%



South Riverside County HIV Incidence, 2008 - 2017

Sex	Percent of new cases
Male	87.4%
Female	12.6%

Ethnicity	Percent of new cases
Hispanic	35.8%
Black/African American	13.9%
White	41.7%
All Other	8.6%



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



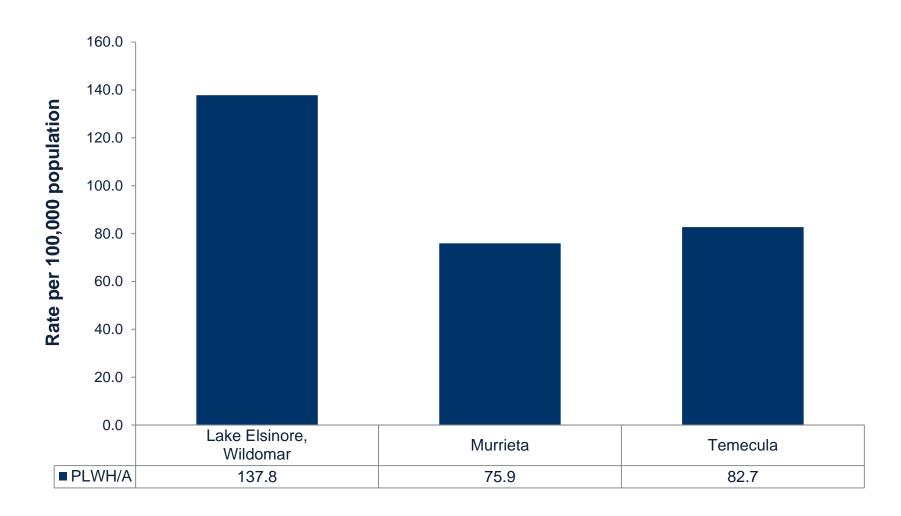


3-Year Average HIV Incidence Rates, South Riverside County, 2002 - 2016





Prevalence of Persons Living with HIV/AIDS, South Riverside County, 2017





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
2017 Population Estimate	112,442	135,764	130,579



HIV/AIDS in West Riverside County, CA



HIV/AIDS in West Riverside County, CA

- There are currently 2,046 people reported to be living with HIV/AIDS in west Riverside County.
- 22.8% of all PLWH/A who live 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/A than the east region.
 - The average (mean) age of persons living with HIV/AIDS in the west part of the county is 45.9 years, compared to 55.2 in the rest of the county.
 - 16.6% of all people living with HIV/AIDS in west county are 30 or younger. In the rest of Riverside County, only 4.1% of those living with HIV/AIDS are 30 or younger.



West Riverside County HIV Incidence, 2008 - 2017

- From 2008 through 2017 there have been 1,047 HIV cases diagnosed in the west part of the county.
 - Average of 104.7 new cases per year.
- From 2008 through 2017 over two-thirds of all HIV cases diagnosed in west Riverside County were among adults younger than 45 years old.

Age group	Percent of new cases		
Under 13	0.3%		
13 – 24	25.6%		
25 – 44	51.2%		
45 – 64	21.5%		
65 years old and older	1.4%		



West Riverside County HIV Incidence, 2008 - 2017

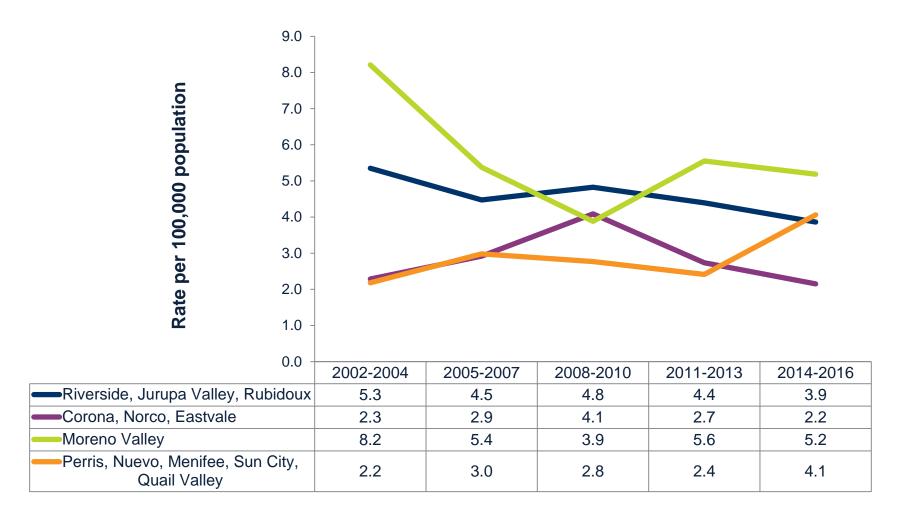
 Most new HIV cases in west Riverside County are among Hispanic men.

Sex	Percent of new cases		
Male	85.9%		
Female	14.1%		

Ethnicity	Percent of new cases		
Hispanic	47.9%		
Black/African American	19.7%		
White	26.9%		
All Other	5.5%		



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



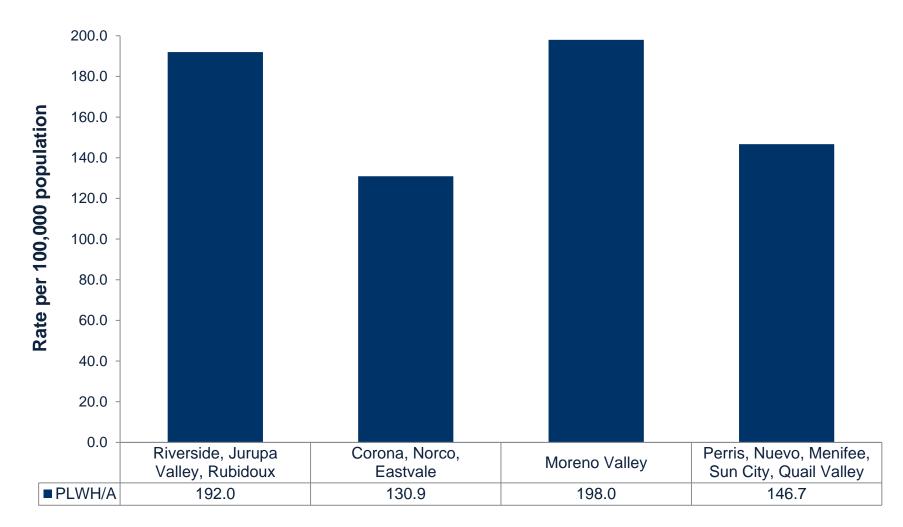


3-Year Average HIV Incidence, West Riverside County, 2002 - 2016





Prevalence of Persons Living with HIV/AIDS, West Riverside County, 2017





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	466,157	278,868	205,717	228,937
Population Estimate 2017 Claritas Population Estimate	472,846	287,237	210,570	235,168

Notes & Data Sources:

Unless otherwise noted, all HIV/AIDS statistics come from HIV and AIDS cases reported to Riverside County Department of Public Health as of December 31, 2017.

* Data extracted from the Enhanced HIV/AIDS Reporting System (eHARS) 2nd quarter, 2018

Population:

U.S. Census Bureau, 2000 and 2010 Census

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

2001 – 2004 California Department of Finance Population Estimates

State of California, Department of Finance, Report P-3: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender, 2010-2060. Sacramento, California, December 15, 2014.

2015 - 2017 Population Estimates by Zip Code provided by Claritas and accessed from www.shaperivco.org



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