Epidemiology of HIV/AIDS in Riverside County, 2016

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



Contents

Section	Slide Number
Riverside County HIV/AIDS Prevalence	7
Riverside County HIV/AIDS Incidence	15
Riverside County HIV/AIDS Summary	29
HIV/AIDS in the Coachella Valley, Riverside County	32
HIV/AIDS in Mid Riverside County	40
HIV/AIDS in Southern Riverside County	48
HIV/AIDS in Western Riverside County	56
Notes and Data Sources	64



Terms Used in this Report

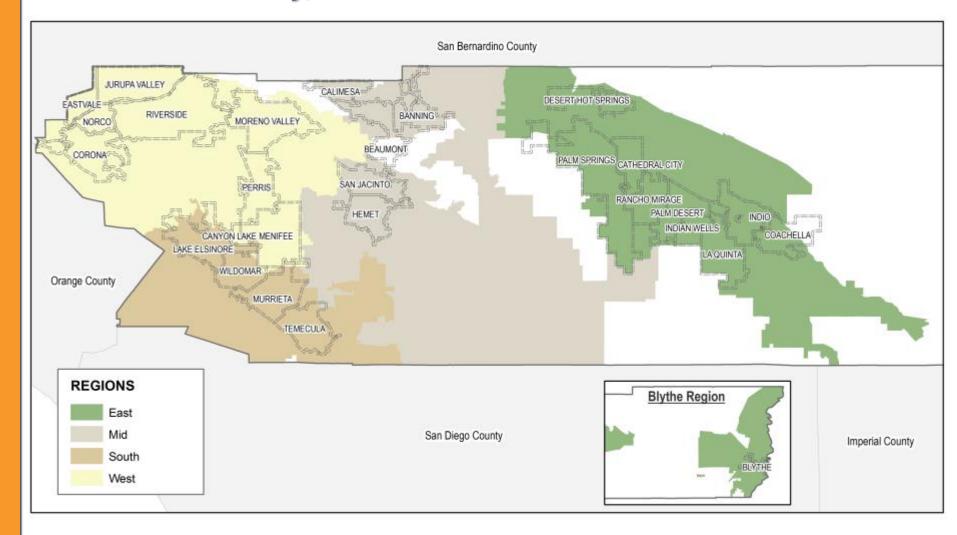
This report is based on Human Immunodeficiency Virus (HIV) case surveillance in Riverside County, California.

For HIV/AIDS surveillance,

- Prevalence: Refers to living persons with HIV disease who were diagnosed 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





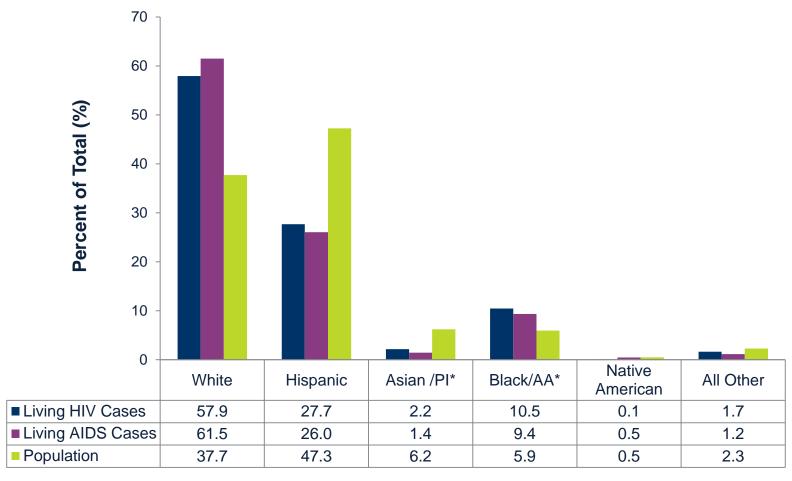
Prevalence

People currently living with HIV or AIDS and diagnosed in Riverside County





Proportion of the Total Population, Prevalent AIDS Cases and Prevalent HIV Cases by Race/Ethnicity, Riverside County, 2016

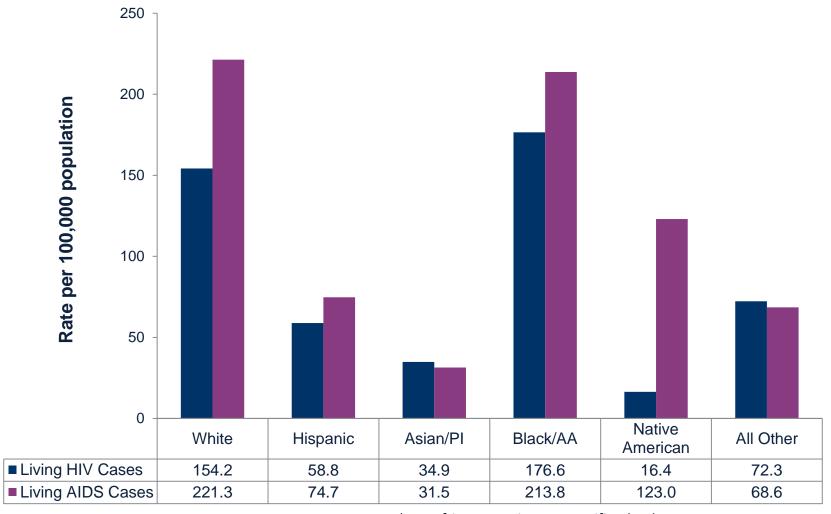


^{*}AA=African American, PI=Pacific Islander





HIV/AIDS Prevalence (Living) Rates by Race/Ethnicity, Riverside County, 2016

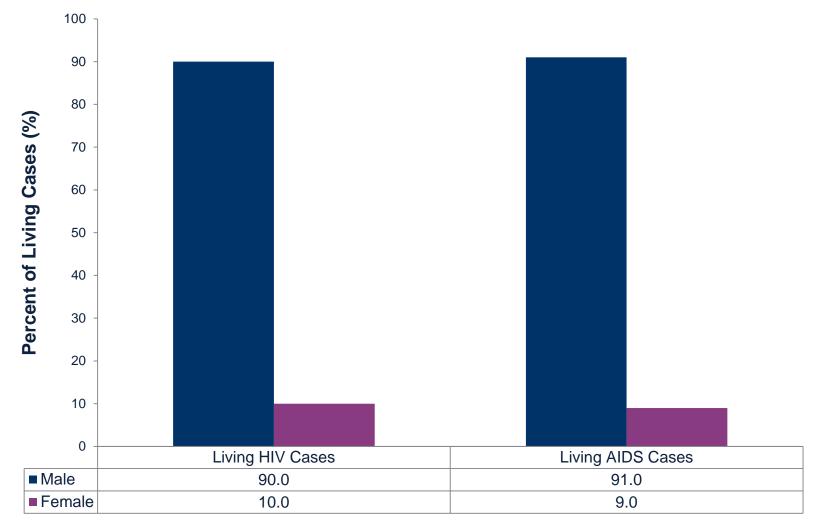


^{*}AA=African American, PI=Pacific Islander





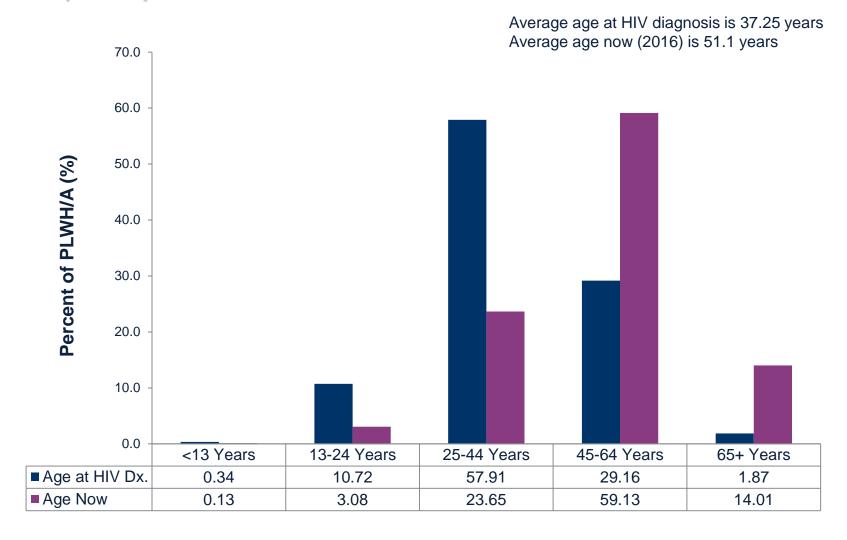
HIV/AIDS Prevalence (Living) by Sex, Riverside County, 2016







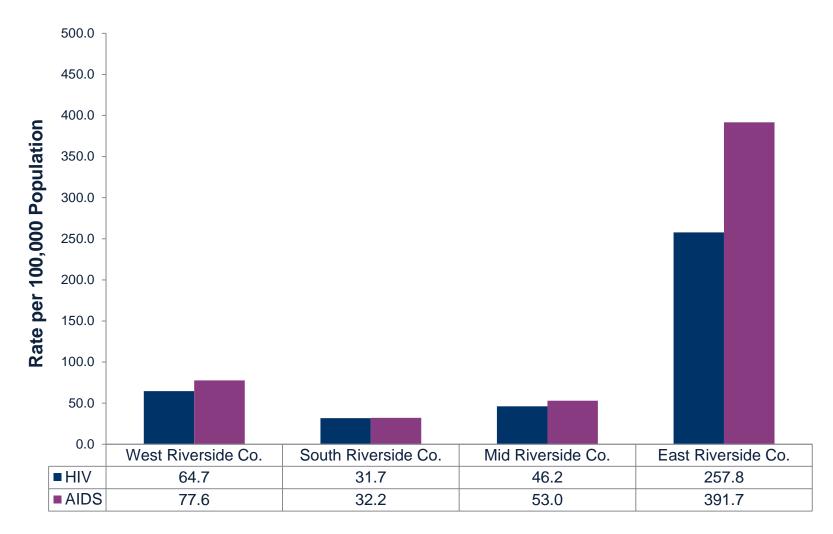
PLWH/A by Age at Time of HIV Diagnosis (Dx) vs. Age Now (2016)





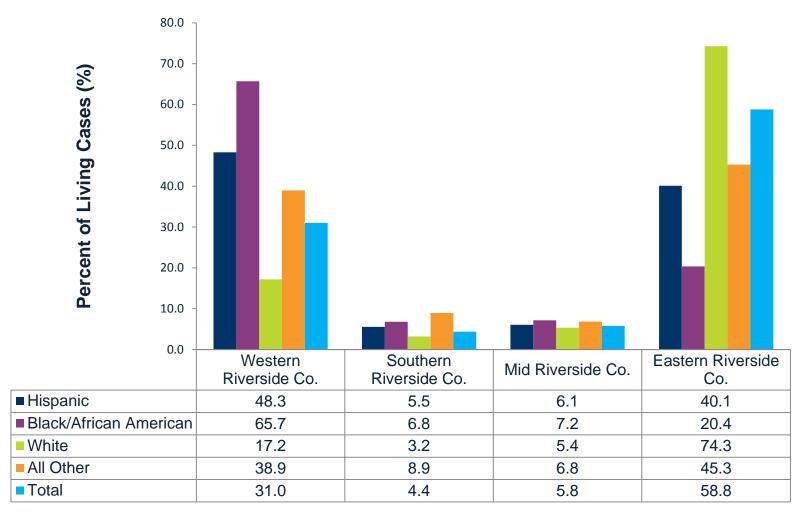


HIV/AIDS Prevalence (Living) by Region, Riverside County, 2016





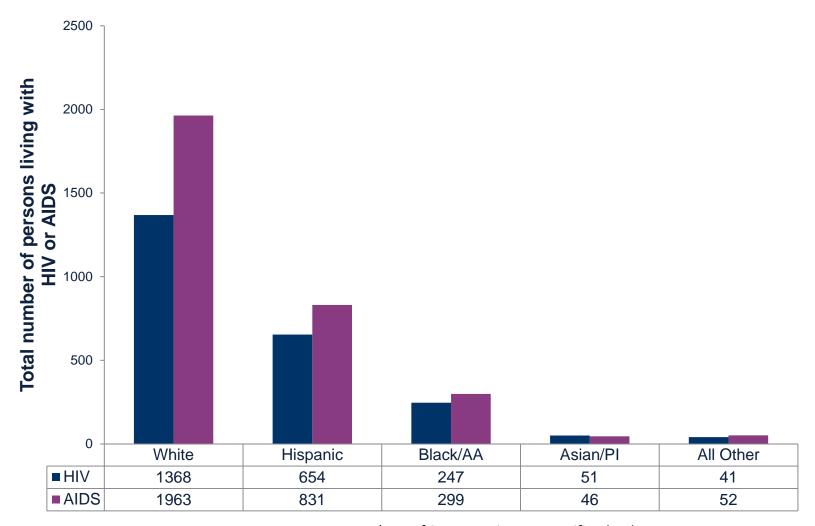
Racial/Ethnic Distribution of PLWH/A by County Region, 2016







Count of Living HIV and AIDS Cases by Race/Ethnicity, Riverside County, 2016



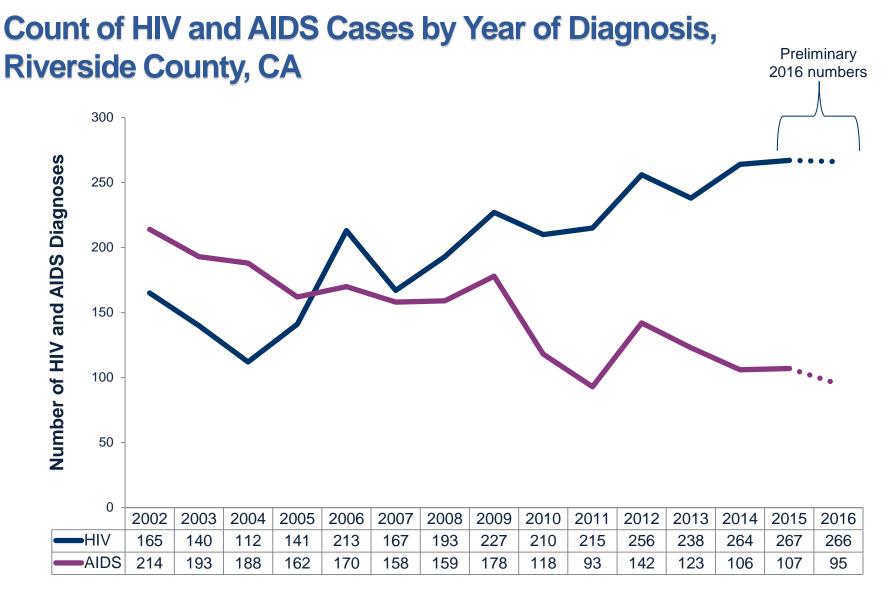
^{*}AA=African American, PI=Pacific Islander



Incidence

HIV/AIDS cases by year of diagnosis in Riverside County

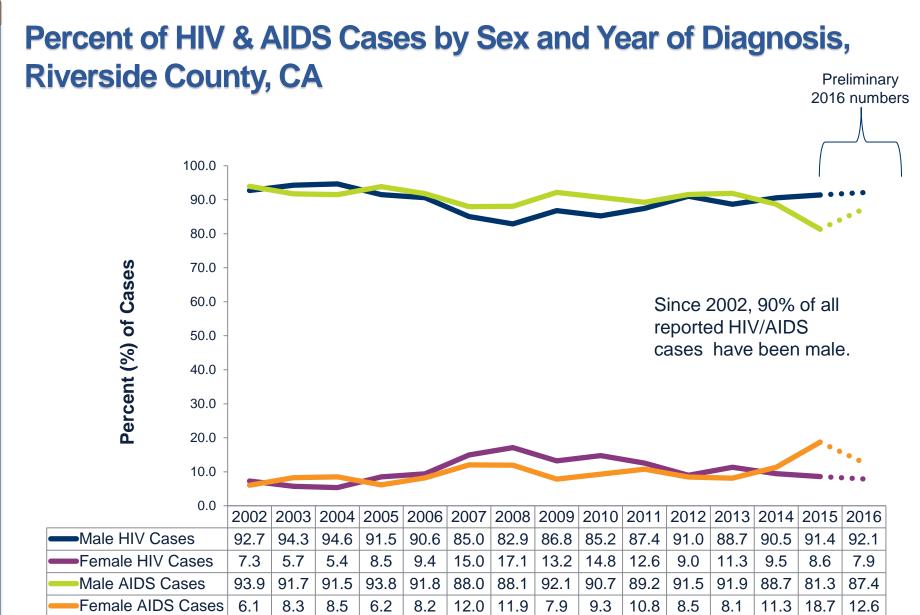




NOTE: Individuals diagnosed with HIV and AIDS in the same calendar year are counted as both an HIV and AIDS incidence.



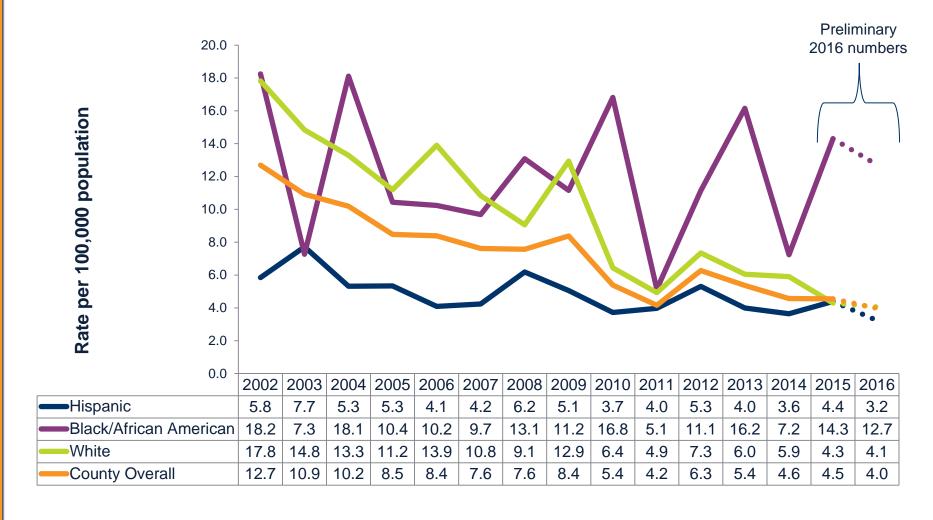






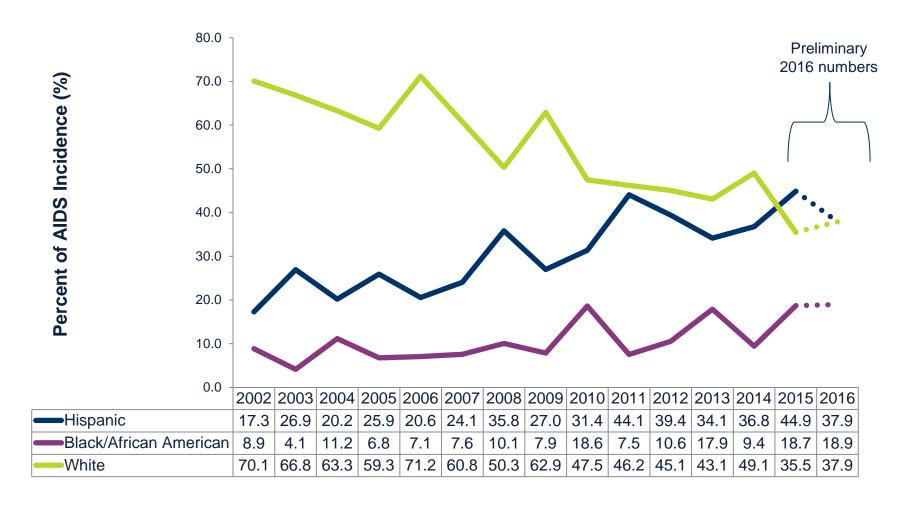


AIDS Incidence Rates by Race/Ethnicity and Year of Diagnosis, Riverside County, CA





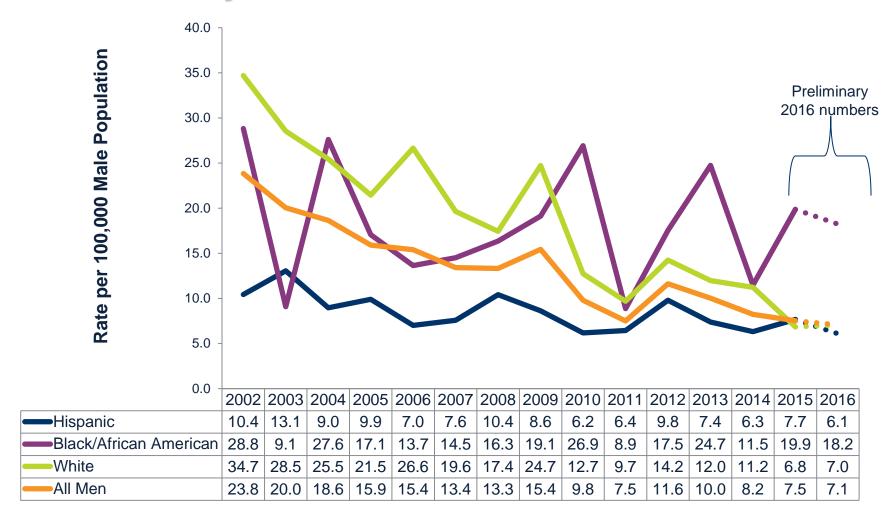
Percent of AIDS Cases by Year of Diagnosis and Race/Ethnicity, Riverside County, CA







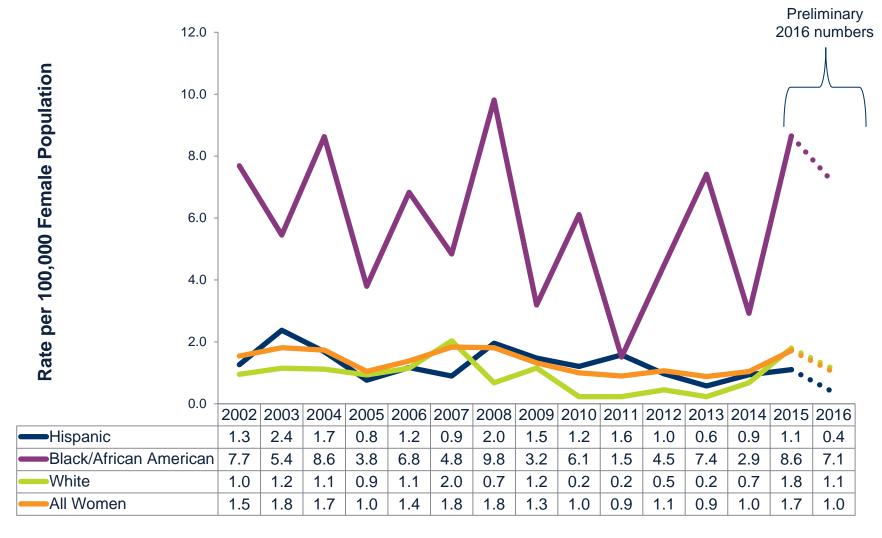
Male AIDS Rates by Year of Diagnosis and Race/Ethnicity, Riverside County, CA







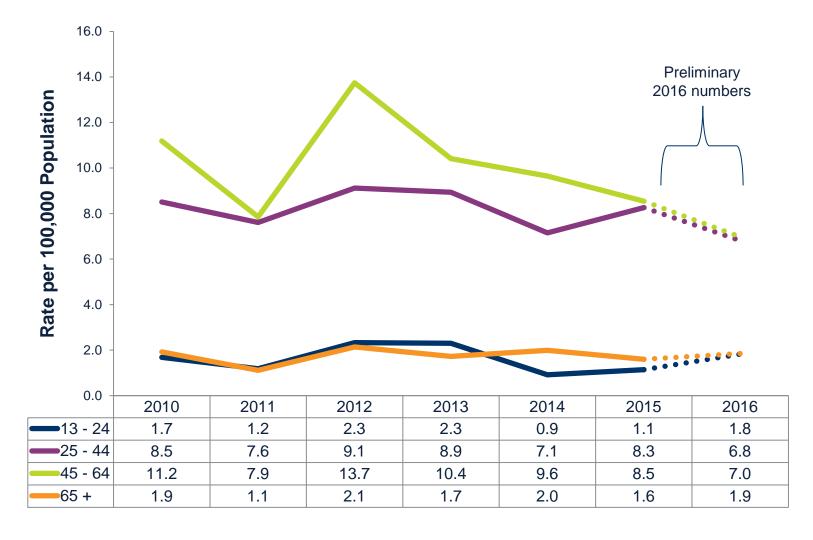
Female AIDS Rates by Year of Diagnosis and Race/Ethnicity, Riverside County, CA







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



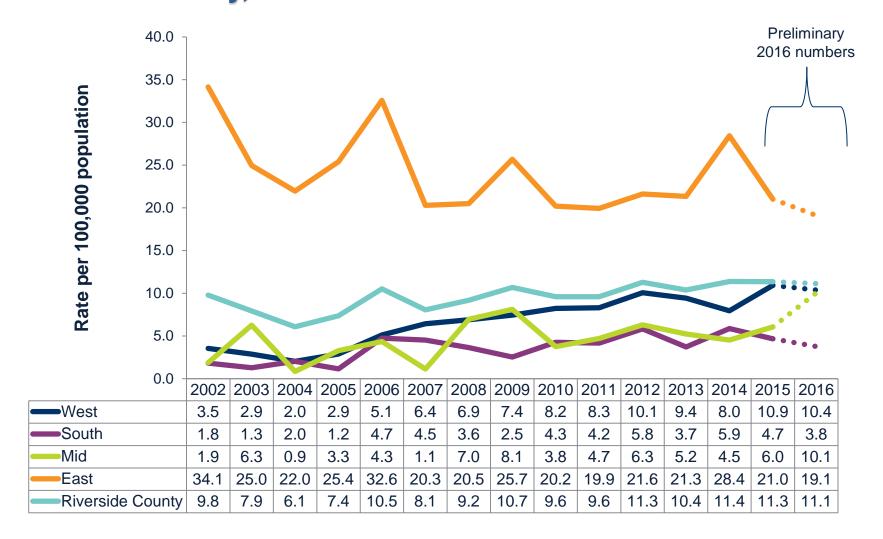




HIV Incidence by Year of Diagnosis and Race/Ethnicity, **Preliminary** 2016 numbers **Riverside County, CA** HIV reporting began Name-based reporting began in California 30.0 25.0 Rate per 100,000 Population 20.0 15.0 10.0 5.0 State centralized reporting began 0.0 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 Hispanic 5.2 2.7 5.3 6.1 7.4 7.3 8.4 8.3 8.1 10.3 4.1 4.1 7.5 9.3 10.3 Black/African American 26.2 19.1 25.2 18.3 18.8 12.5 8.2 9.5 8.5 12.8 18.6 23.0 21.3 27.9 26.1 White 8.4 16.8 9.5 14.2 10.4 10.8 14.3 12.9 14.2 11.9 11.5 14.3 10.7 11.7 10.0 Riverisde County 10.5 8.1 9.2 10.7 9.6 11.3 11.4 9.8 7.9 6.1 7.4 9.6 10.4 11.3 11.1



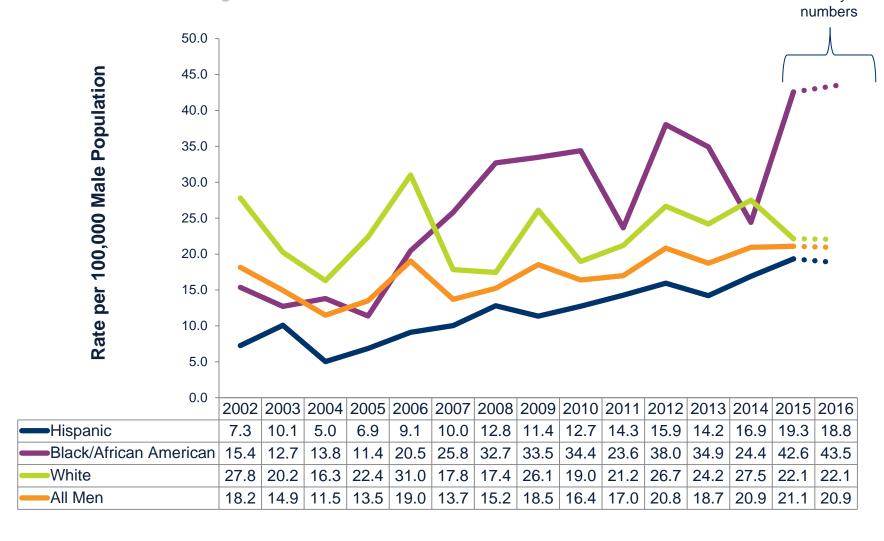
HIV Incidence by Year of Diagnosis and County Region, Riverside County, CA







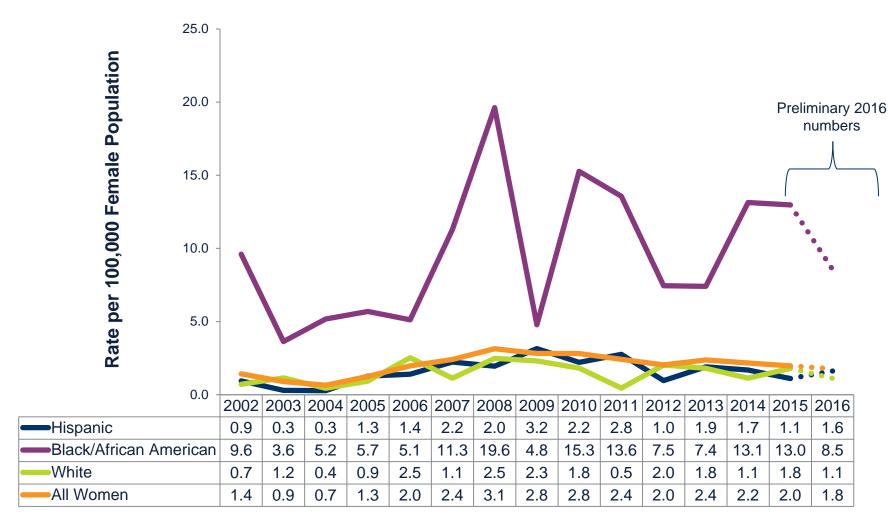
Male HIV Incidence by Race/Ethnicity and Year of Diagnosis, Riverside County, CA





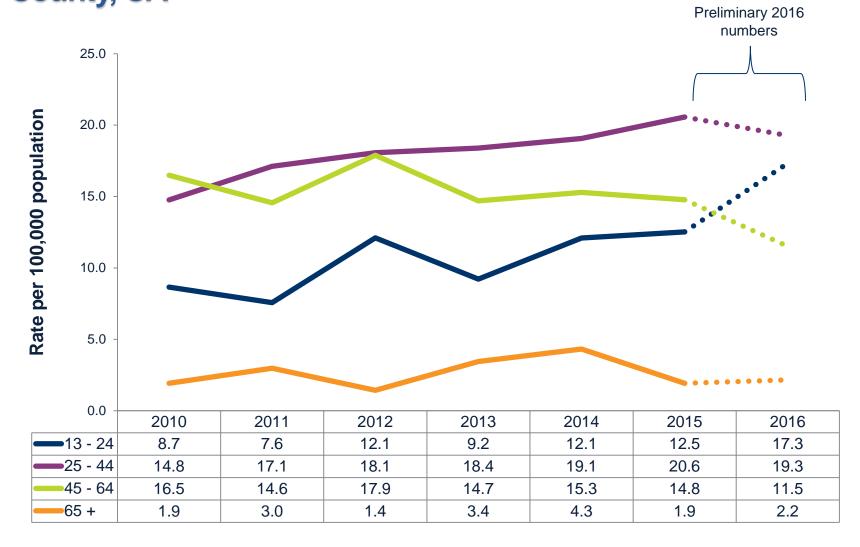


Female HIV Incidence by Race/Ethnicity and Year of Diagnosis, Riverside County, CA



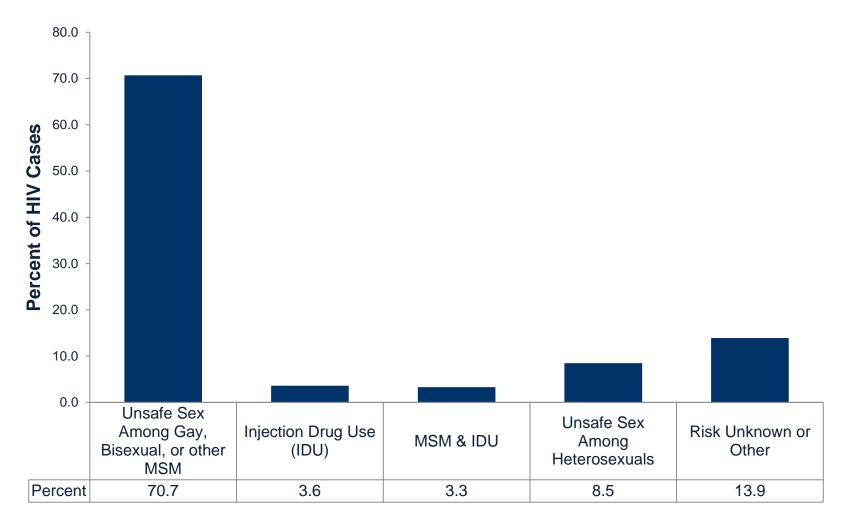


HIV Incidence Rates by Year and Age Group, Riverside County, CA





Reported Risk Factor for HIV Cases Diagnosed from 2007 through 2016, Riverside County, CA



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



Riverside County HIV/AIDS Summary



Summary

- Of those diagnosed in Riverside County, there are currently 3,191 people reported living with AIDS and 2,361 people reported living with HIV.
- Of PLWH/A diagnosed in the county, sixty percent are White.
- Though only six percent of the population, African Americans represent nearly ten percent of all persons diagnosed and living with HIV/AIDS (PLWH/A) in the county.
- Eastern Riverside County has nearly double the number of PLWH/A than any other county region.
- The greatest proportion of African American PLWH/A live in western Riverside County.



Summary Continued

- Western, southern and mid-county regions have all experienced increases in new HIV diagnoses since 2002.
- Over eight percent of all HIV cases diagnosed since 2007 have been from unsafe heterosexual sex.
- Since 2007, nearly three-quarters of newly diagnosed HIV cases have been Gay, Bisexual or other men who have unprotected sex with men (MSM).
- 72 percent of people living with AIDS and 47 percent of people living with HIV diagnosed in Riverside County are 50 years old or older.
- Over the past three years (2014 2016), a quarter (25%) of all new HIV cases in Riverside County were in people 50 years old or older.

Public Health

HIV/AIDS in the Coachella Valley, CA



HIV/AIDS in the Coachella Valley, CA

- Of people diagnosed in Riverside County, there are currently 1,920
 people reported to be living with AIDS and 1,283 people reported to be
 living with HIV in the Coachella Valley.
- 58 percent of all PLWH/A diagnosed in Riverside County reside in the Coachella Valley.
- The Coachella Valley is home to an older group of PLWH/A
 - The average age of persons living with HIV in the Coachella Valley is 51.9 years, compared to 39.9 in the rest of the county. For those living with AIDS, the average age is 57.0 years in the Valley, and 50.7 in the rest of the county.
 - 29.8 percent of all people living with HIV in the Coachella Valley are 60 or older. In the rest of Riverside County, only 8.4 percent of those living with HIV are over 60.
 - 37.7 percent of all people living with AIDS in the Coachella Valley are 60 or older.
 In the rest of Riverside County, 20.4 percent of those living with AIDS are over 60.



Coachella Valley HIV Incidence, 2007 - 2016

- From 2007 through 2016 there have been 990 HIV cases diagnosed in the Coachella Valley.
 - Average of 99 new cases per year.
- From 2007 through 2016 over half of all HIV cases diagnosed in the Coachella Valley are among adults 45 years old or older.

Age group	Percent of new cases
Under 13	0.3%
13 – 24	10.3%
25 – 44	38.6%
45 – 64	46.1%
65 years old and older	4.7%

Note: Those diagnosed with HIV and AIDS in the same calendar year are counted as both an HIV case and AIDS case.



Coachella Valley HIV Incidence, 2007 - 2016

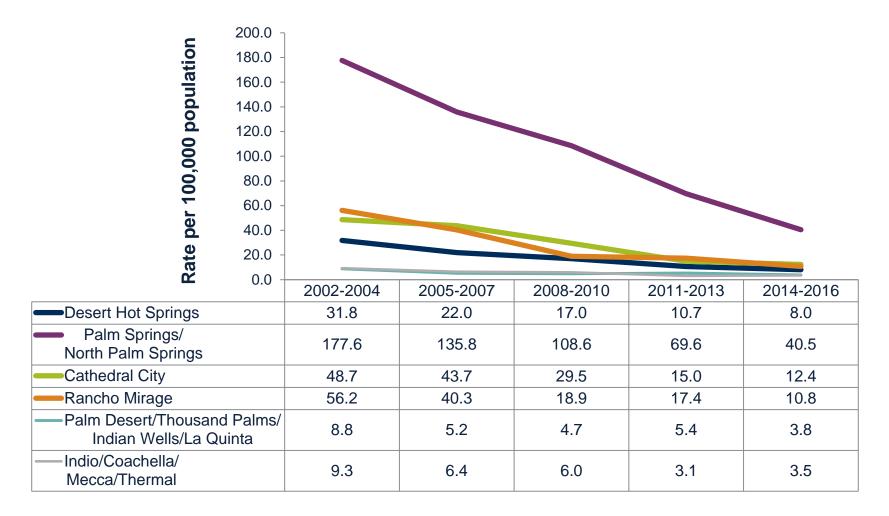
 Most HIV cases in the Coachella Valley are among White non-Hispanic men.

Sex	Percent of new cases
Male	94.1%
Female	5.9%

Ethnicity	Percent of new cases
Hispanic	28.9%
Black/African American	4.0%
White	63.6%
All Other	3.5%

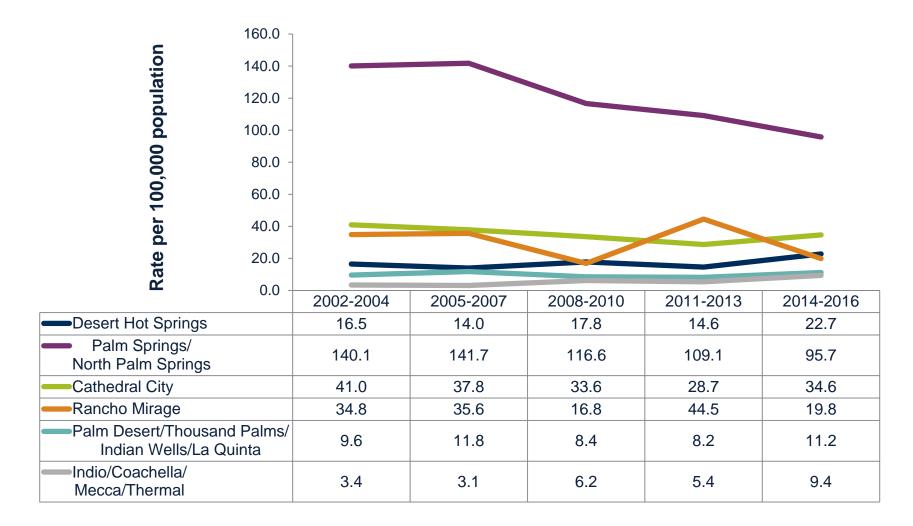


3-Year Average AIDS Incidence, Coachella Valley, 2002 - 2016





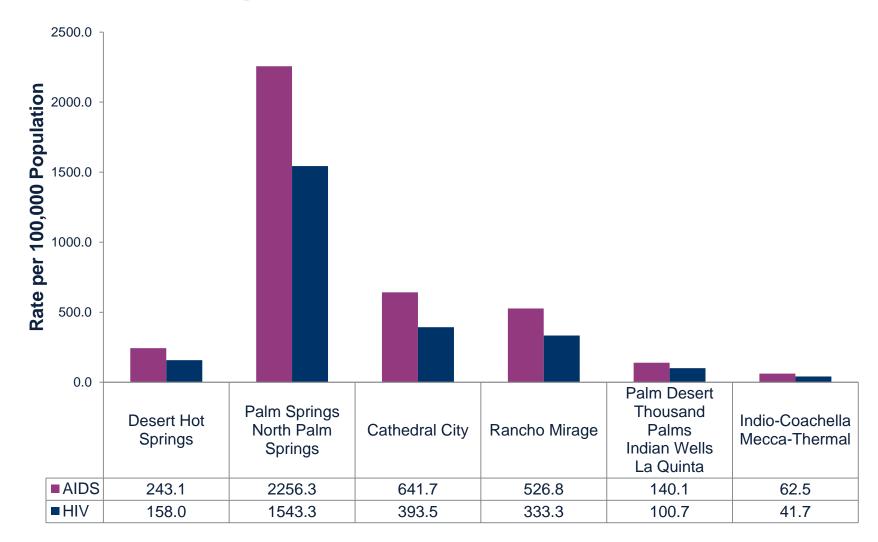
3-Year Average HIV Incidence, Coachella Valley, 2002 - 2016







Prevalence of Persons Living with HIV or AIDS, Coachella Valley, 2016







Coachella Valley Region – 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
	92240	92262	92234	92270	92211	92201
	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
2016 Estimates	49,366	47,821	54,387	18,602	114,217	182,400



HIV/AIDS in Mid-Riverside County, CA





HIV/AIDS in Mid-Riverside County, CA

- Of those diagnosed in Riverside County, there are currently 171 people reported to be living with AIDS and 149 people reported to be living with HIV in the mid-section of the county.
- 5.8 percent of all PLWH/A who were diagnosed in Riverside County reside in the mid-part of the county.
- From 2007 through 2016 there have been 170 HIV cases diagnosed in the mid-part of the county.
 - Average of 17 new cases per year.



Mid-Riverside County HIV Incidence, 2007 - 2016

 From 2007 through 2016 nearly half of all HIV cases diagnosed in mid-Riverside County were among adults 45 years old or older.

Age group	Percent of new cases
Under 13	1.2%
13 – 24	9.4%
25 – 44	42.4%
45 – 64	40.0%
65 years old and older	7.1%





Mid-Riverside County HIV Incidence, 2007 - 2016

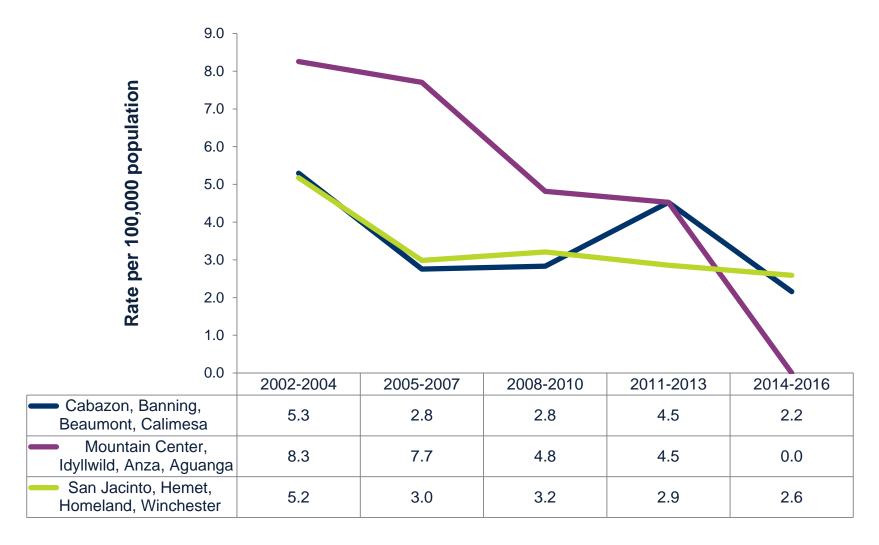
 Most new HIV cases in Mid-Riverside County are among Non-White men.

Sex	Percent of new cases	
Male	81.8%	
Female	18.2%	

Ethnicity	Percent of new cases
Hispanic	30.6%
Black/African American	20.6%
White	42.9%
All Other	5.9%

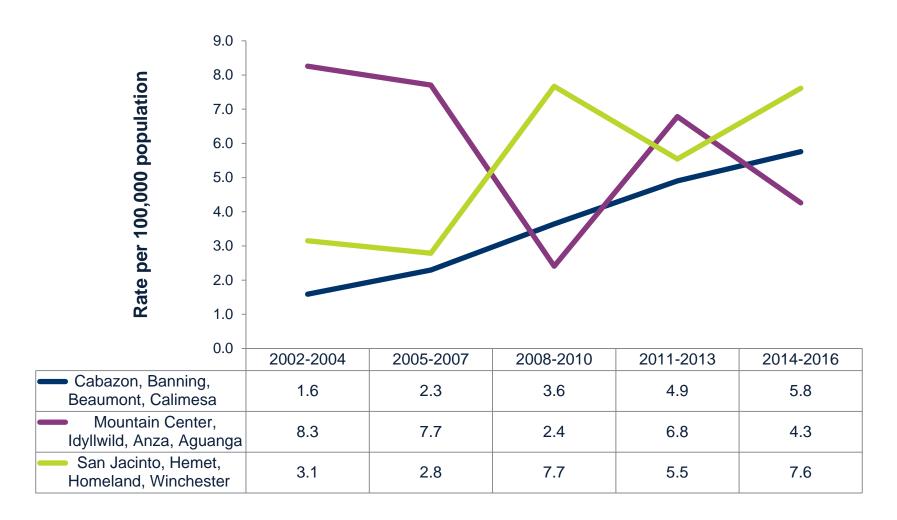


3-Year Average AIDS Incidence Rates, Mid-Riverside County, 2002 - 2016



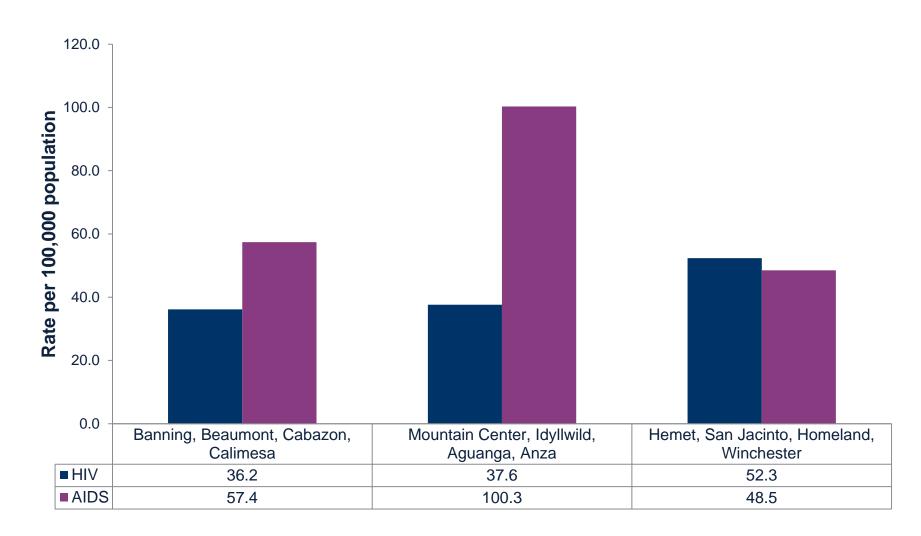


3-Year Average HIV Incidence Rates, Mid-Riverside County, 2002 - 2016





Prevalence of Persons Living with HIV or AIDS, Mid-Riverside County, 2016







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
2000 2004			
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	92,636	15,646	205,816
Population Estimate 2016 Population Estimate	94,047	15,949	208,290



HIV/AIDS in Southern Riverside County, CA





HIV/AIDS in South Riverside County, CA

- Of those diagnosed in Riverside County, there are currently 113 people reported to be living with AIDS and 118 people reported to be living with HIV in the southern section of the county.
- 4.2 percent of all PLWH/A who were diagnosed in Riverside County reside in the southern part of the county.
- From 2007 through 2016 there have been 145 HIV cases diagnosed in the southern part of the county.
 - Average of 14.5 new cases per year.



South Riverside County HIV Incidence, 2007 - 2016

 From 2007 through 2016 over three-quarters of all HIV cases diagnosed in southern Riverside County were among those younger than 45 years old.

Age group	Percent of new cases
Under 13	1.4%
13 – 24	26.9%
25 – 44	49.7%
45 – 64	20.6%
65 years old and older	1.4%





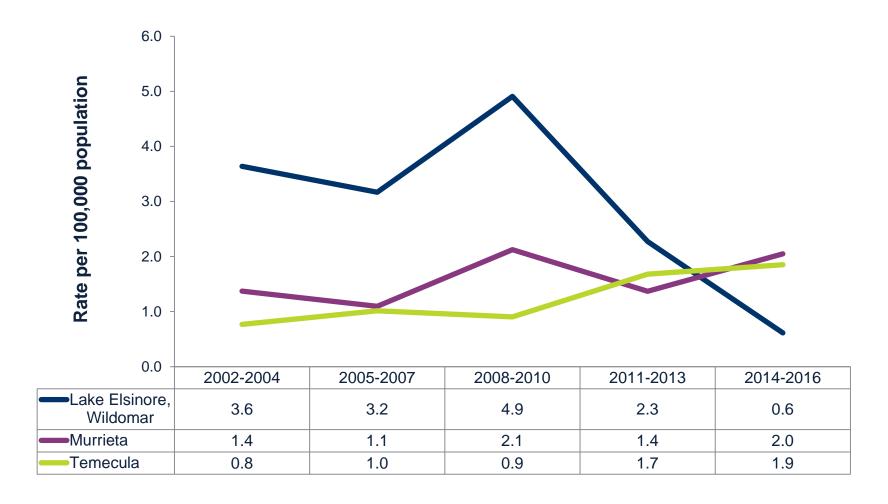
South Riverside County HIV Incidence, 2007 - 2016

Sex	Percent of new cases	
Male	82.8%	
Female	17.2%	

Ethnicity	Percent of new cases
Hispanic	34.5%
Black/African American	14.5%
White	42.1%
All Other	8.9%



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



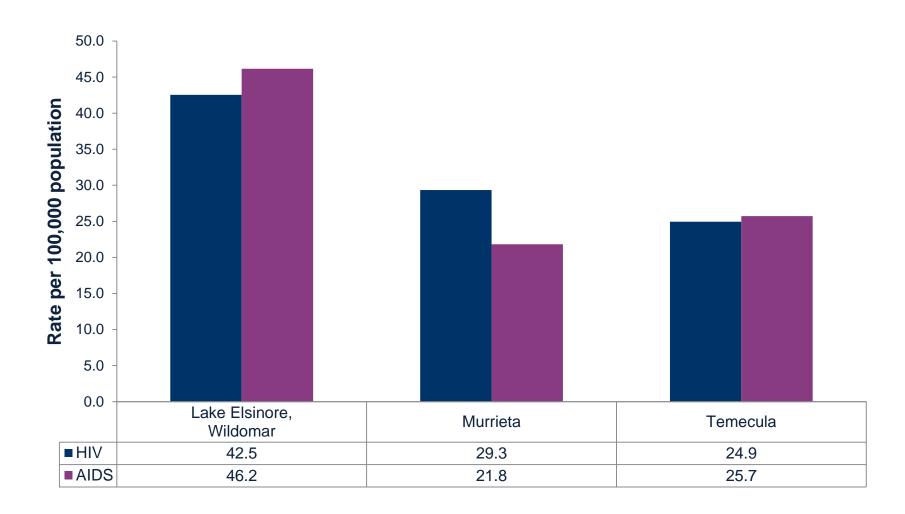


3-Year Average HIV Incidence Rates, South Riverside County, 2002 - 2016





Prevalence of Persons Living with HIV or AIDS, South Riverside County, 2016





Southern Riverside County Zip-Code Key

l aka	Elsinore,
Lane	

	Wildomar	Murrieta	Temecula
	92530	92562	92590
	92532	92563	92591
	92595		92592
2000 2004			
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
2016 Population Estimate	110,480	132,936	128,271



HIV/AIDS in Western Riverside County, CA





HIV/AIDS in Western Riverside County, CA

- Of those diagnosed in Riverside County, there are currently 890 people reported to be living with AIDS and 729 people reported to be living with HIV in the western part of the county.
- 29.2 percent of all PLWH/A who were diagnosed in Riverside County reside in the western part of the county.
- The western part of Riverside County is home to a younger and more diverse group of PLWH/A than the Coachella Valley.
 - The average age of persons living with HIV in the western county is 38.9 years, compared to 50.1 in the rest of the county. For those living with AIDS, the average age is 50.5 years and 56.2 in the rest of the county.
 - 32.8 percent of all people living with HIV in western county are 30 or younger. In the rest of Riverside County, only 12.7 percent of those living with HIV are 30 or younger.



Western Riverside County HIV Incidence, 2007 - 2016

- From 2007 through 2016 there have been 967 HIV cases diagnosed in the western part of the county.
 - Average of 96.7 new cases per year.
- From 2007 through 2016 over two-thirds of all HIV cases diagnosed in western Riverside County were among adults younger than 45 years old.

Age group	Percent of new cases
Under 13	0.2%
13 – 24	25.4%
25 – 44	51.6%
45 – 64	21.4%
65 years old and older	1.3%





Western Riverside County HIV Incidence, 2007 - 2016

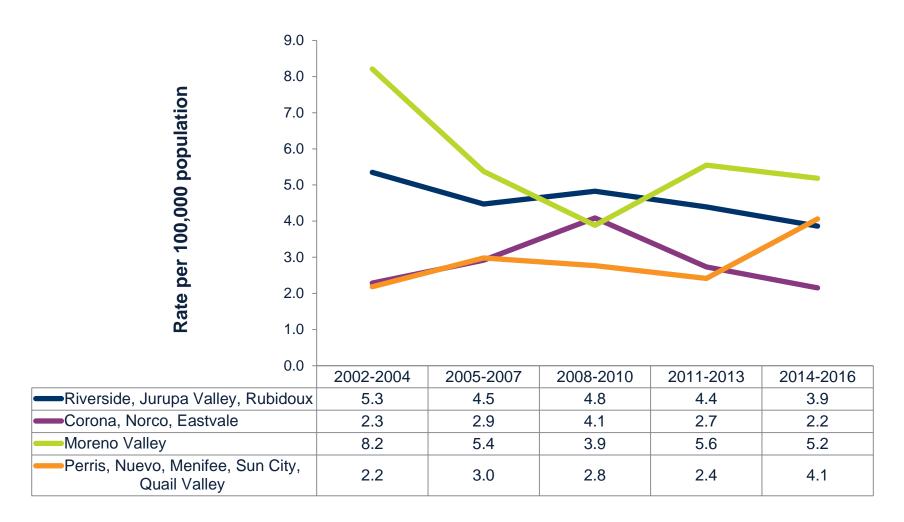
 Most new HIV cases in Western Riverside County are among Hispanic men.

Sex	Percent of new cases	
Male	84.9%	
Female	15.1%	

Ethnicity	Percent of new cases		
Hispanic	46.8%		
Black/African American	20.2%		
White	28.3%		
All Other	4.7%		

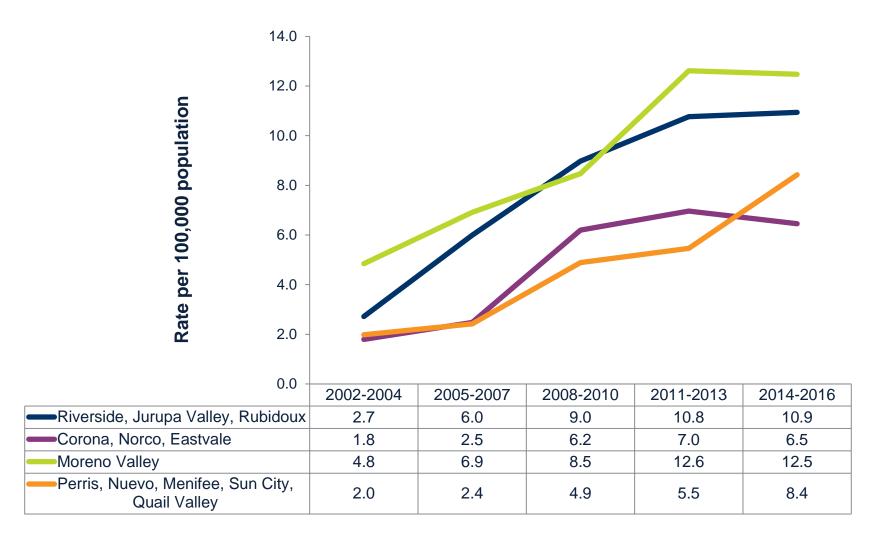


3-Year Average AIDS Incidence, Western Riverside County, 2002 - 2016



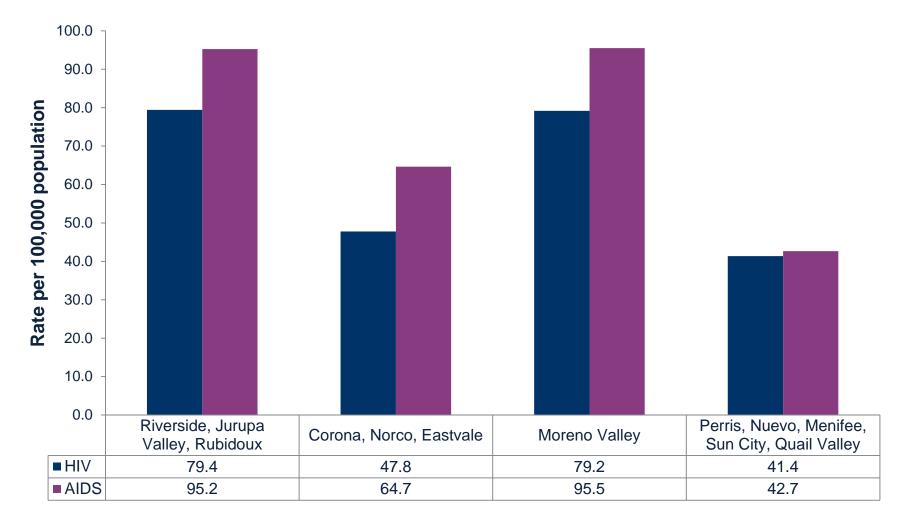


3-Year Average HIV Incidence, Western Riverside County, 2002 - 2016





Prevalence of Persons Living with HIV or AIDS, Western Riverside County, 2016







Western 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 2016 Claritas Population Estimate	468,333	284,608	208,395	232,052



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, 2016.

* Data extracted from the Enhanced HIV/AIDS Reporting System (eHARS) 1st quarter, 2017

Population:

U.S. Census Bureau, 2000 and 2010 Census

2005 – 2009 U.S. Census Bureau, American Community Survey

2011 – 2014 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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