

HIV Surveillance Report Santa Clara County

HIV PSRA Meeting, 2018

Key findings

As of 2018:

- Cumulative HIV/AIDS cases first reported in SCC*: 6,524
 - AIDS: 4,886
 - Alive: 3,919
- People living with HIV/AIDS†: 3,419
 - 2,699 (79%) SCC cases
 - 720 (21%) out of jurisdiction cases

In 2018:

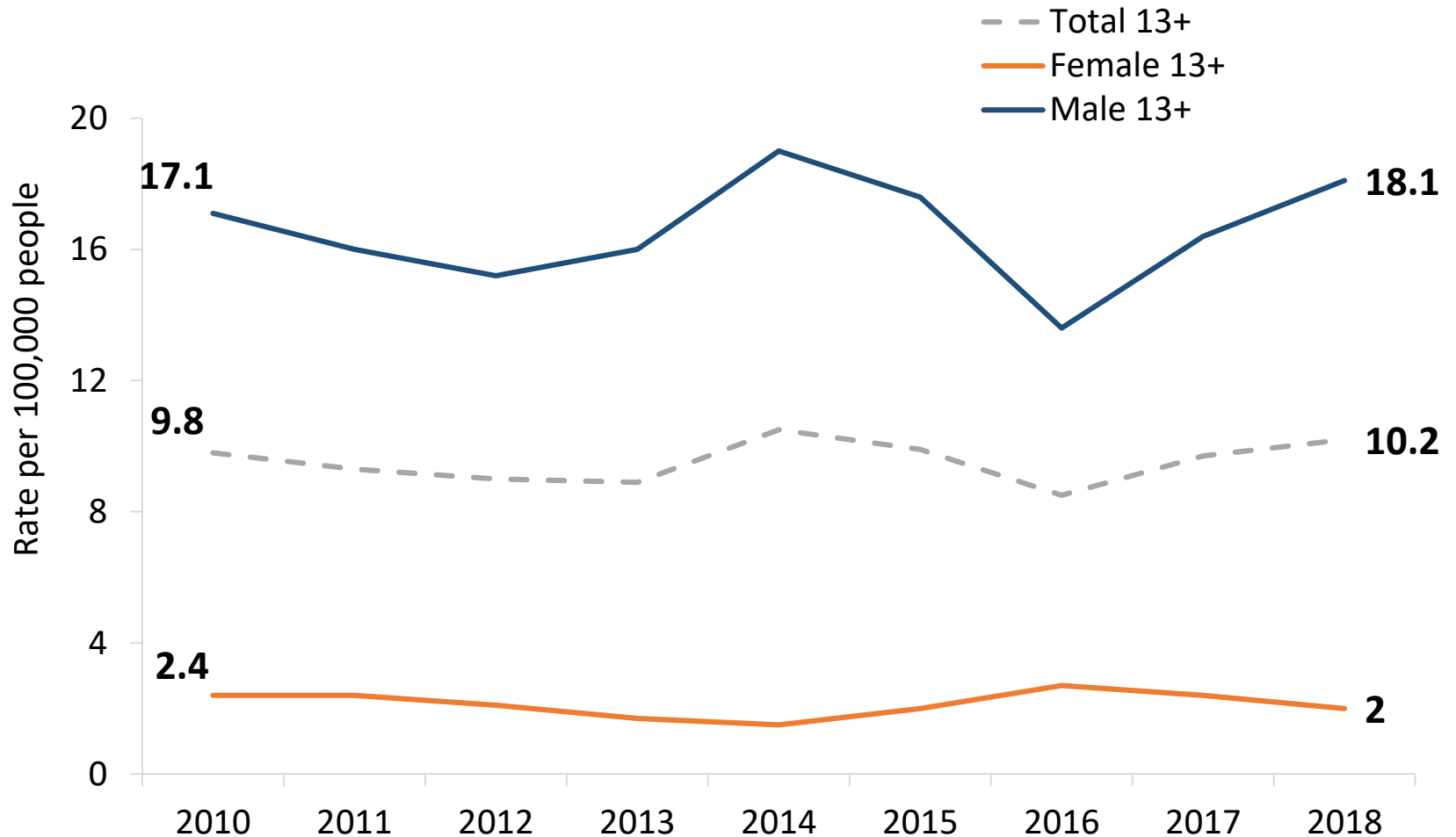
- 167 new diagnosis

* Based on residency at diagnosis; † Based on most current address;

Source: Santa Clara County Public Health Department, eHARS data as of May 1, 2019 and are provisional

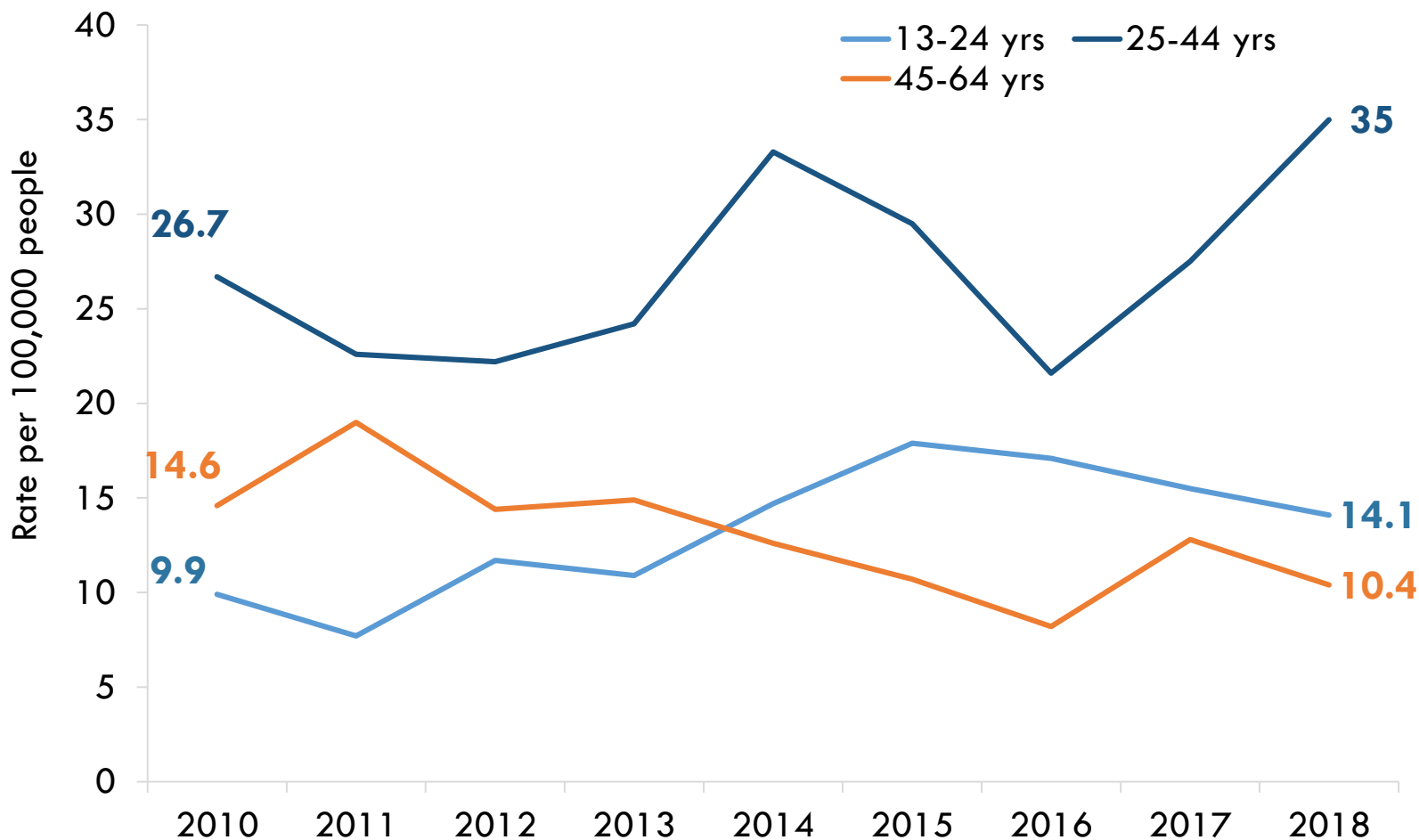
Trends in HIV Diagnosis

Rate of HIV diagnoses among individuals age 13+, Santa Clara County, 2010 – 2018



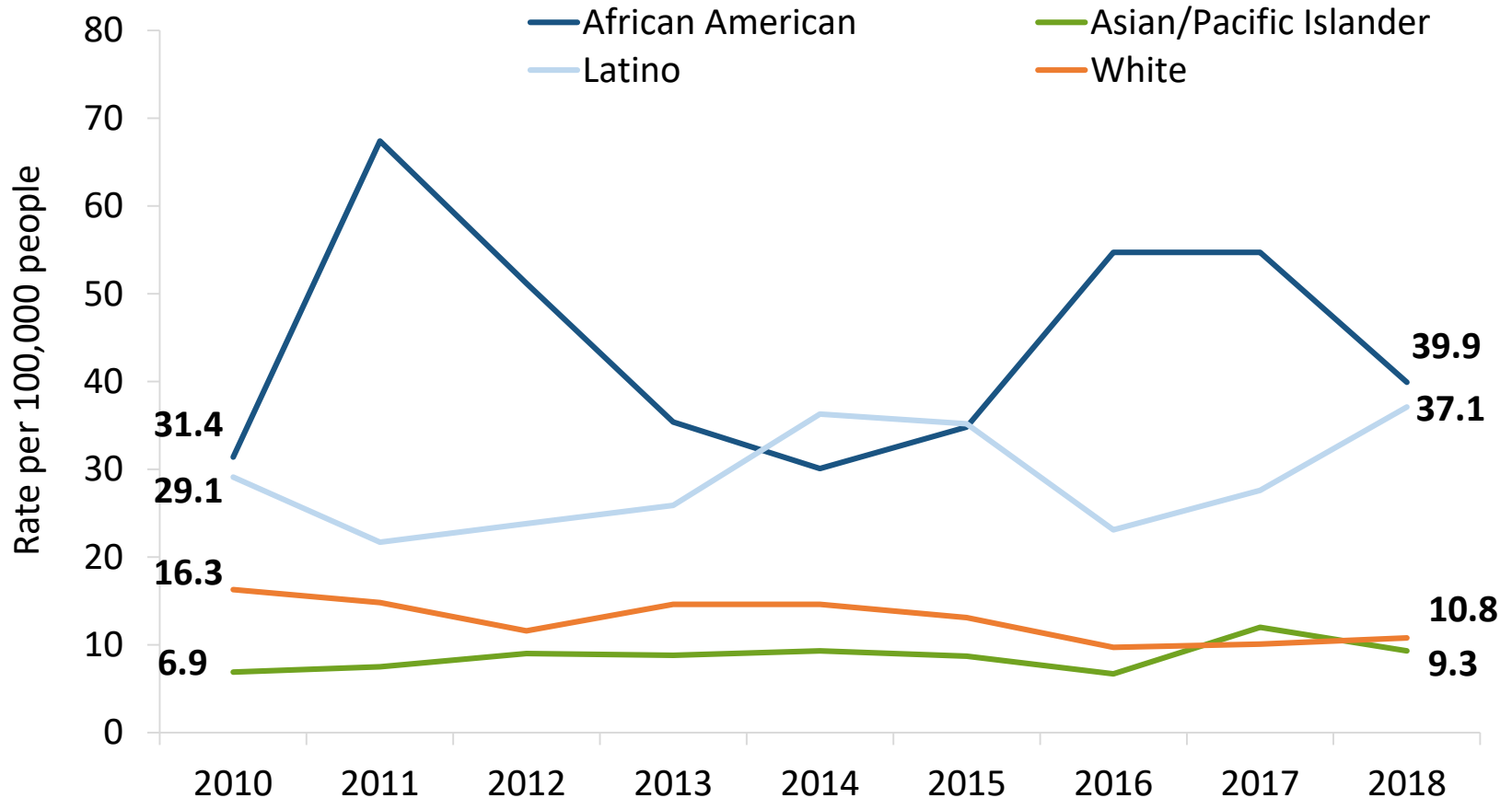
Source: 1. Santa Clara County Public Health Department, eHARS data as of May 1, 2019, and are provisional; 2. State of California, Department of Finance, E-2. California County Population Estimates and Components of Change by Year — July 1, 2010–2018, December 2018

Rate of HIV diagnoses among males by selected age group, Santa Clara County, 2010 – 2018



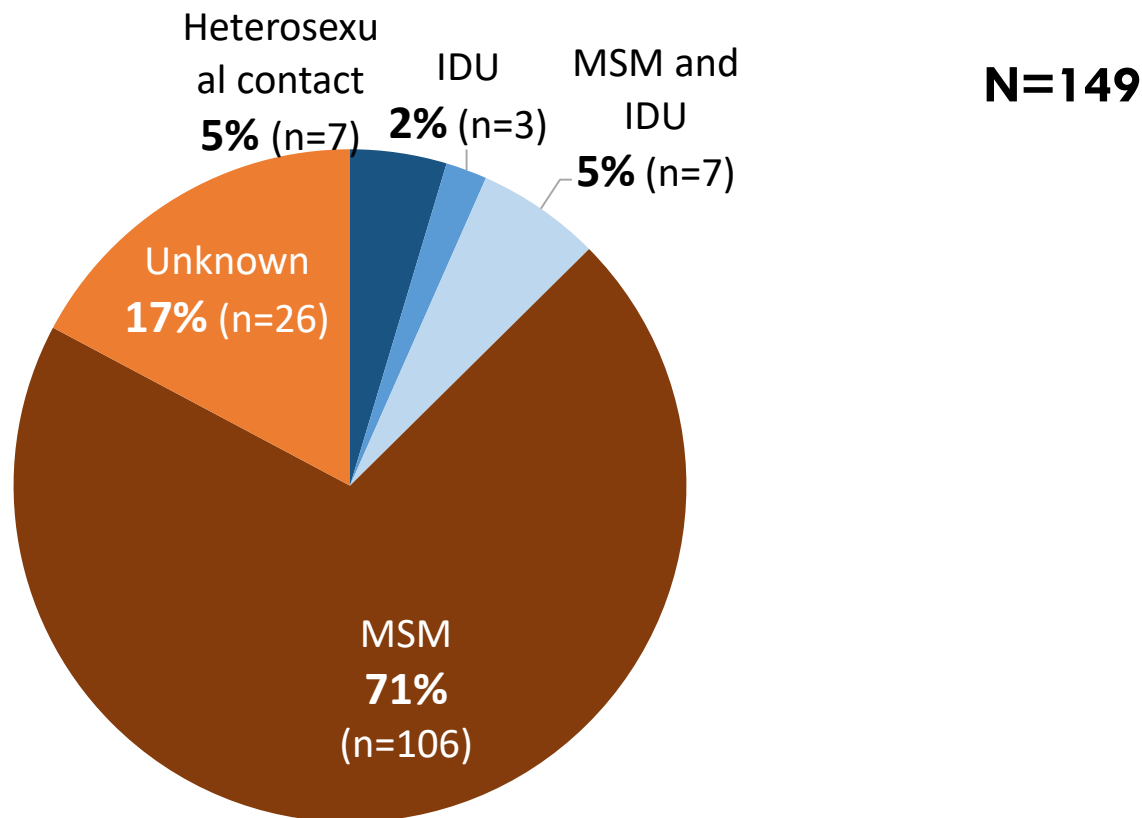
Source: 1. Santa Clara County Public Health Department, eHARS data as of May 1, 2019, and are provisional; 2. State of California, Department of Finance, E-2. California County Population Estimates and Components of Change by Year — July 1, 2010–2018, December 2018; 3. State of California, Department of Finance, State and County Population Projections by Race/Ethnicity and Age, 2010-2060, Sacramento, California, January 2018.

Rate of HIV diagnoses among males 13+ by race/ethnicity, Santa Clara County, 2010 – 2018

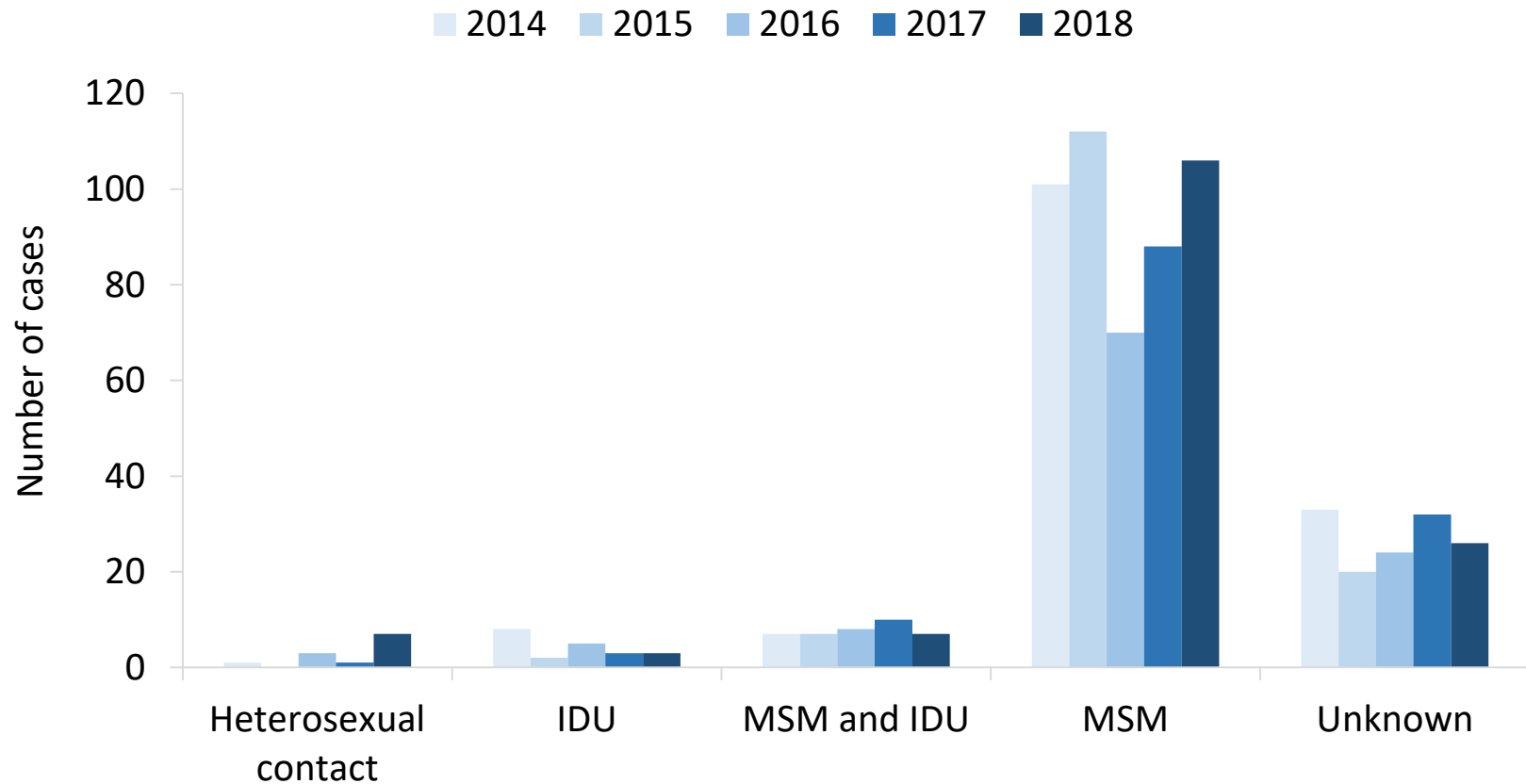


Source: 1. Santa Clara County Public Health Department, eHARS data as of May 1, 2019, and are provisional; 2. State of California, Department of Finance, E-2. California County Population Estimates and Components of Change by Year — July 1, 2010–2018, December 2018; 3. State of California, Department of Finance, State and County Population Projections by Race/Ethnicity and Age, 2010-2060, Sacramento, California, January 2018.

Proportion of males age 13+ newly diagnosed with HIV by mode of transmission, Santa Clara County, 2018

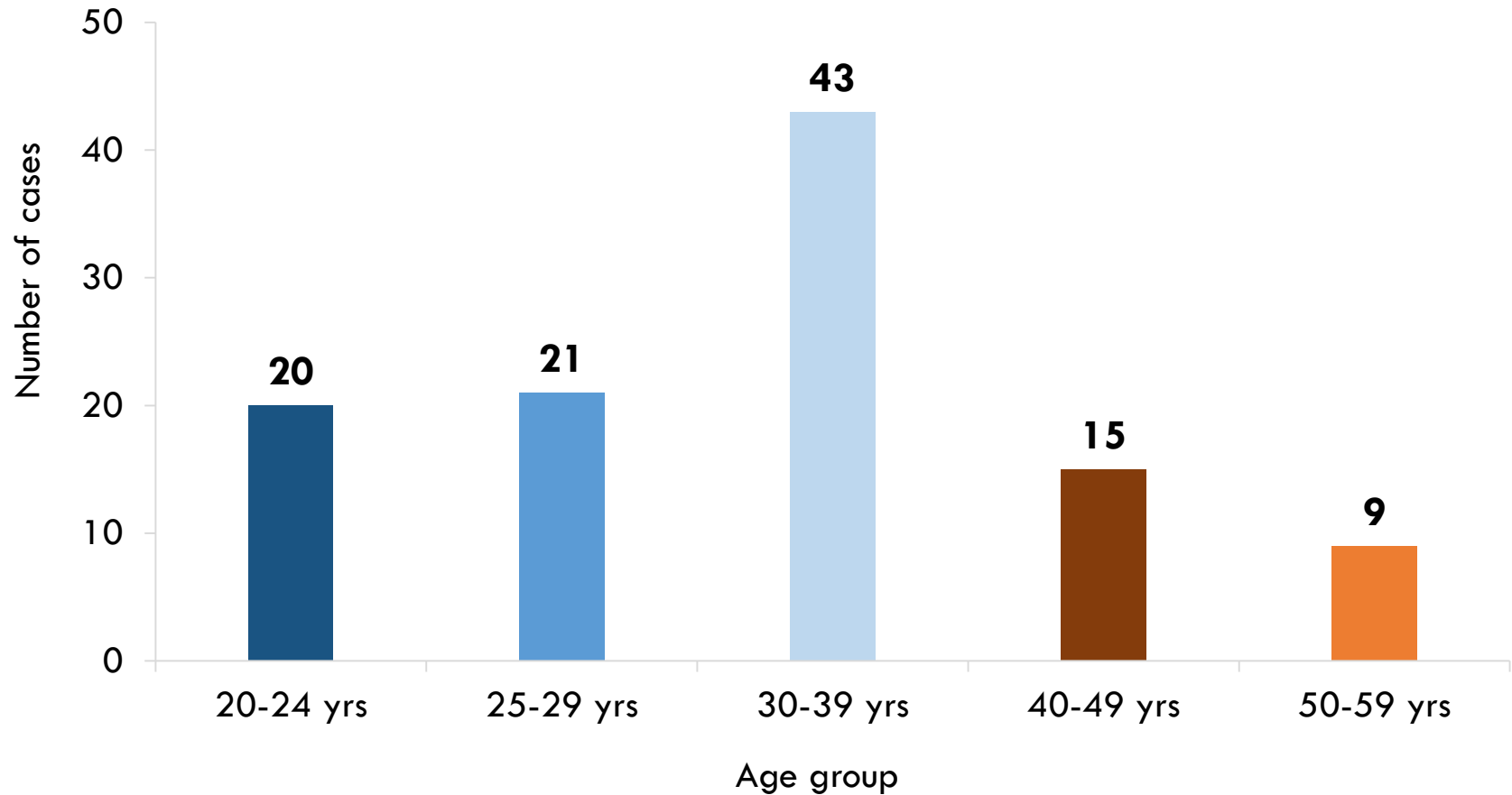


Number of males age 13+ newly diagnosed with HIV by mode of transmission, Santa Clara County, 2014 – 2018



Source: Santa Clara County Public Health Department, eHARS data as of May 1, 2019, and are provisional.

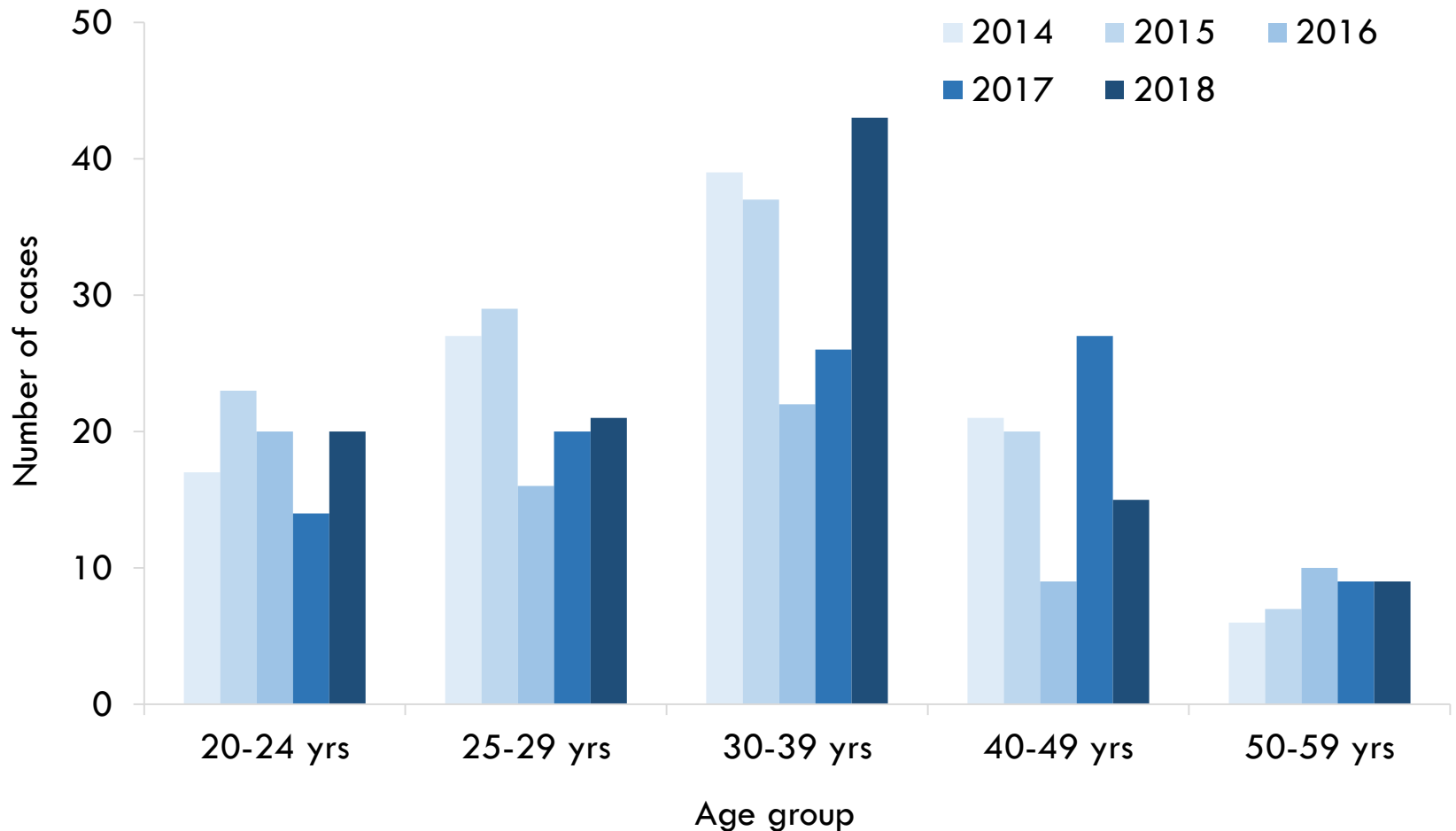
Number of MSM* newly diagnosed with HIV by selected age group, Santa Clara County, 2018



* Includes MSM, MSM & IDU.

Source: Santa Clara County Public Health Department, eHARS data as of May 1, 2019, and are provisional.

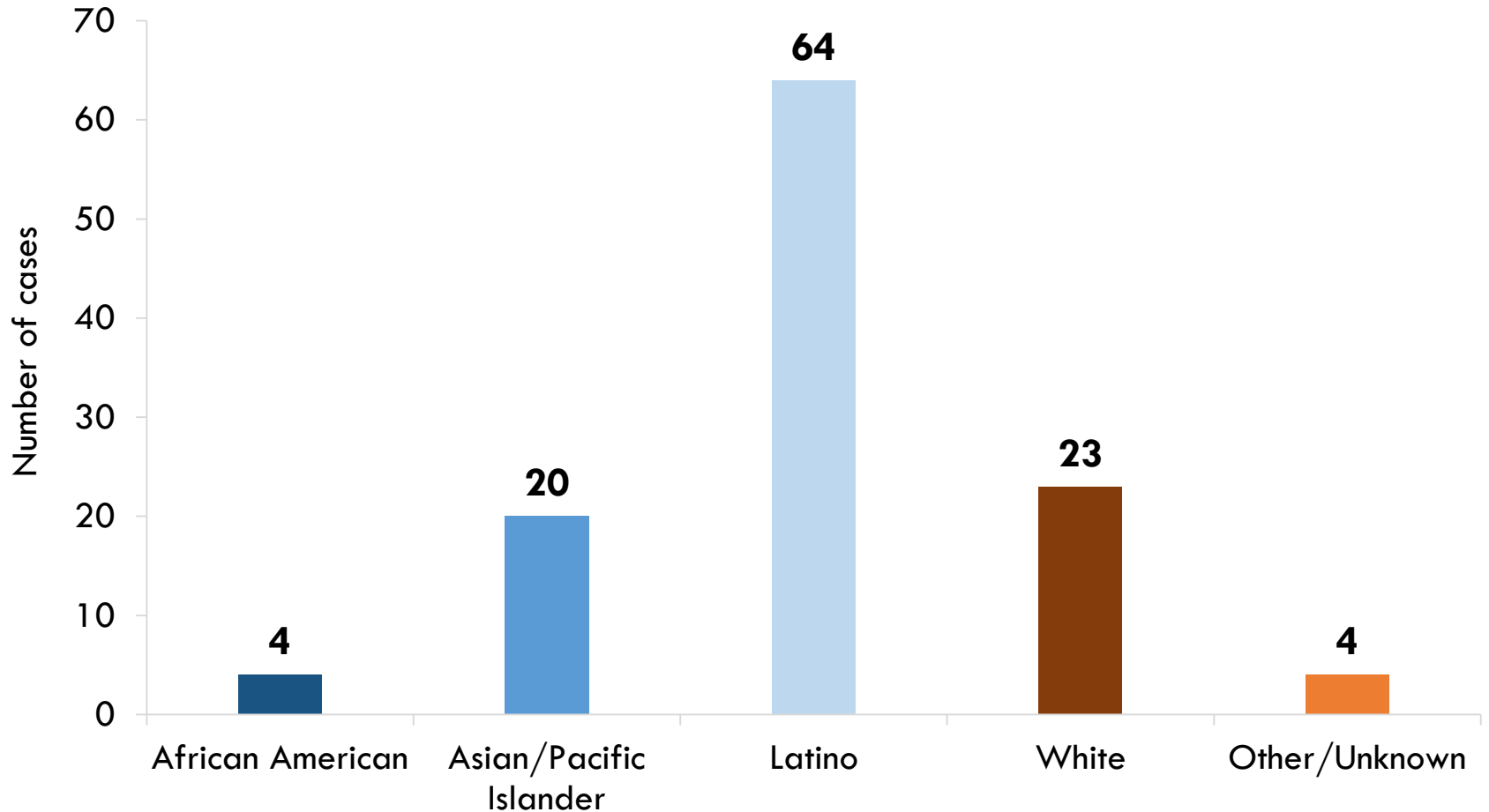
Number of MSM* newly diagnosed with HIV by selected age group, Santa Clara County, 2014 – 2018



* Includes MSM, MSM & IDU.

Source: Santa Clara County Public Health Department, eHARS data as of May 1, 2019, and are provisional.

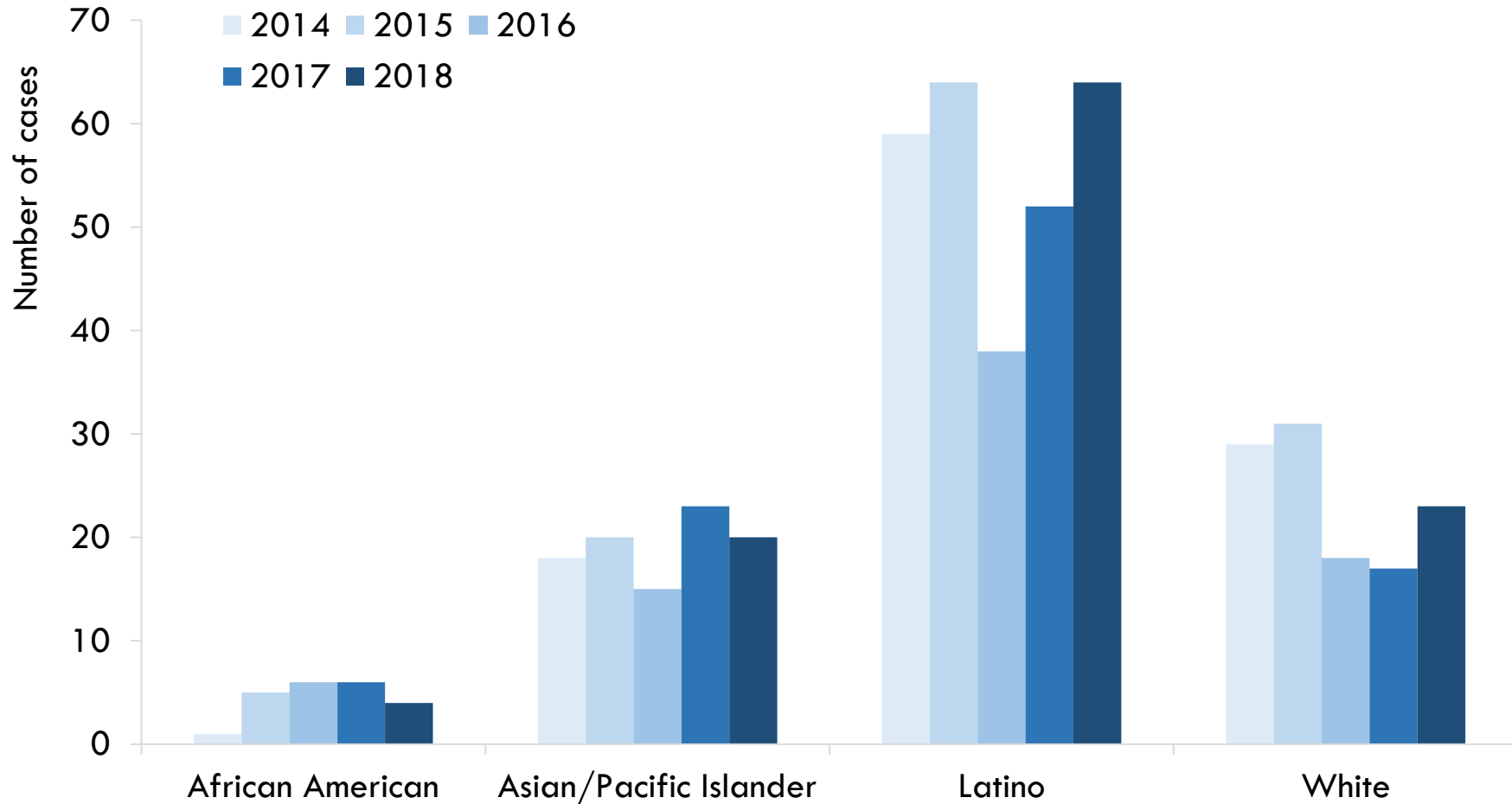
Number of MSM* newly diagnosed with HIV by race/ethnicity, Santa Clara County, 2018



* Includes MSM, MSM & IDU.

Source: Santa Clara County Public Health Department, eHARS data as of May 1, 2019, and are provisional.

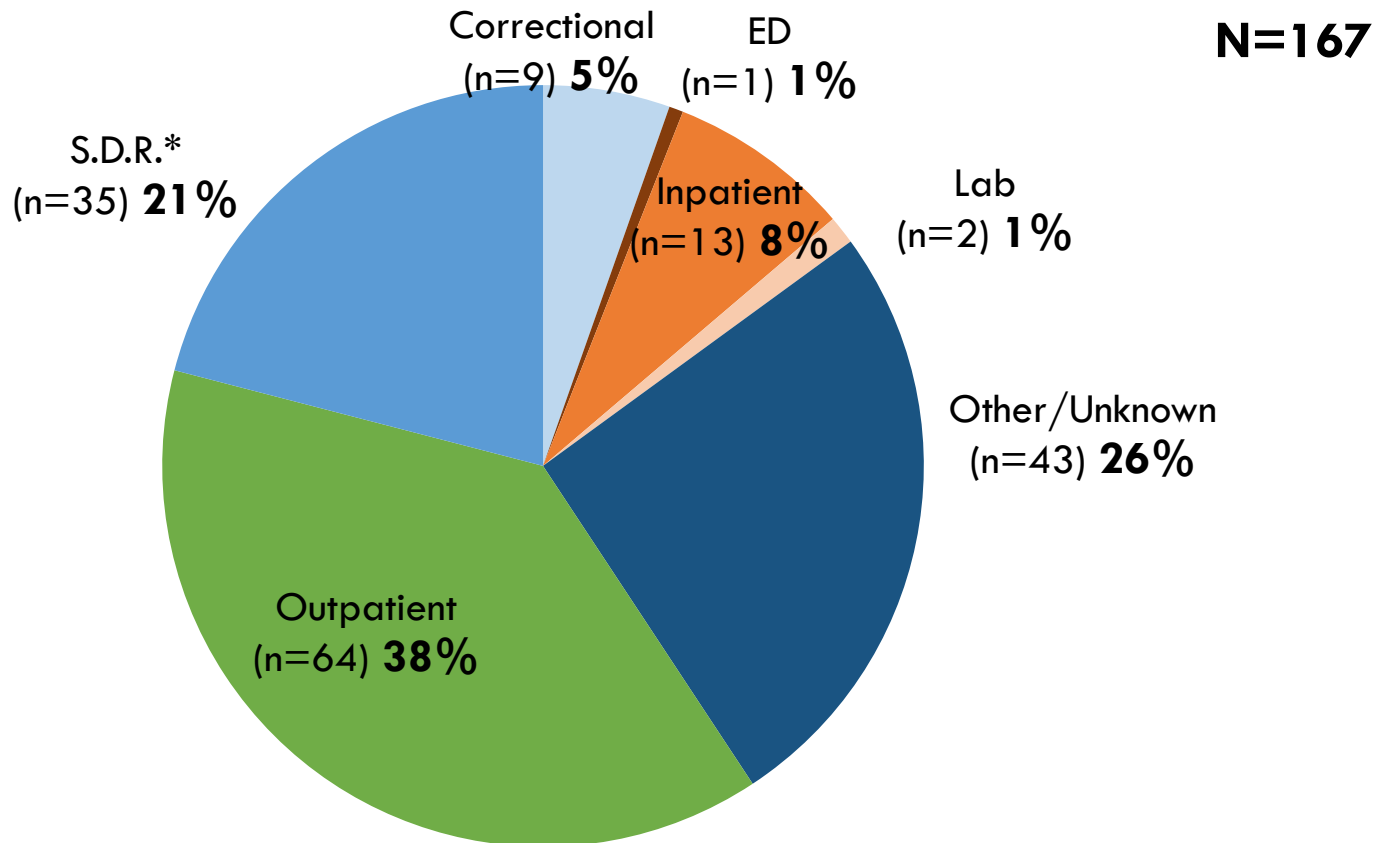
Number of MSM* newly diagnosed with HIV by race/ethnicity, Santa Clara County, 2014 – 2018



* Includes MSM, MSM & IDU.

Source: Santa Clara County Public Health Department, eHARS data as of May 1, 2019, and are provisional.

HIV diagnosis by facility type Santa Clara County, 2018

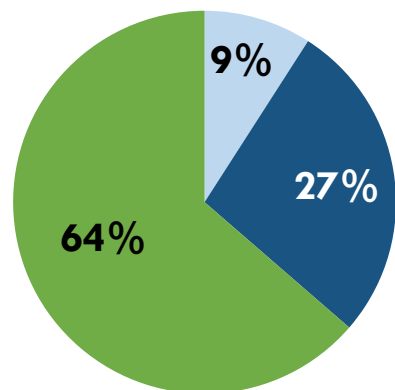


* Screening, diagnostic and referral agency

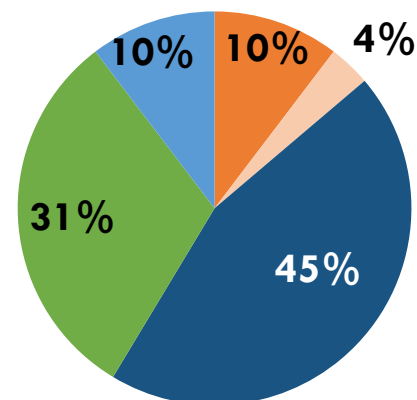
Source: Santa Clara County Public Health Department, eHARS data as of May 1, 2019, and are provisional.

HIV diagnosis by facility type and race/ethnicity Santa Clara County, 2018

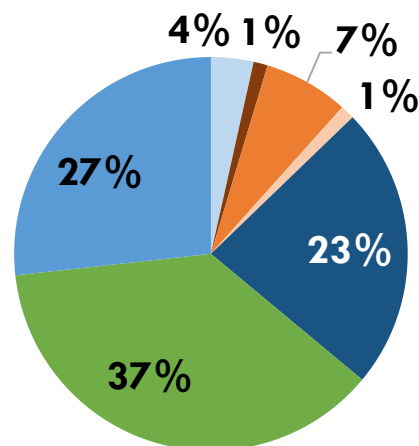
African American (N=11)



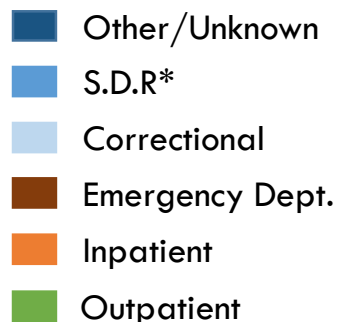
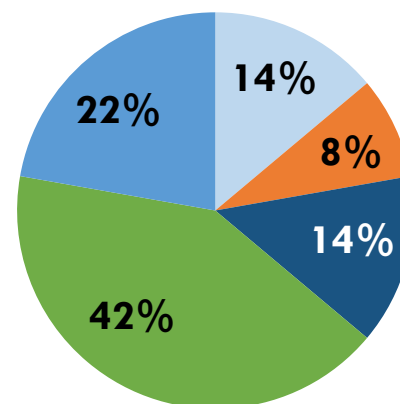
Asian/Pacific Islander (N=29)



Latino (N=86)



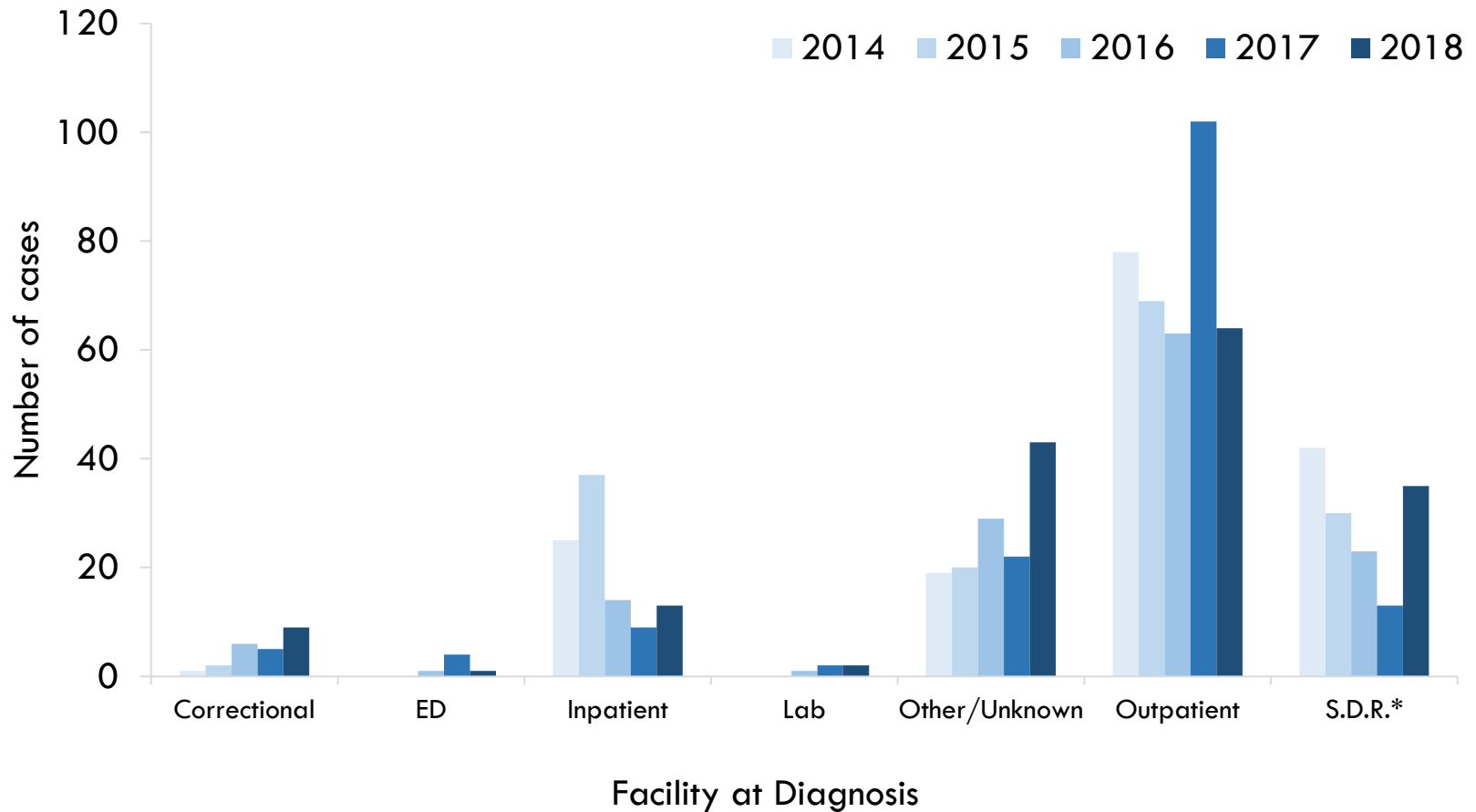
White (N=36)



* Screening, diagnostic and referral agency

Source: Santa Clara County Public Health Department, eHARS data as of May 1, 2019, and are provisional.

HIV diagnosis by facility type Santa Clara County, 2013 – 2018



* Screening, diagnostic and referral agency

Source: Santa Clara County Public Health Department, eHARS data as of May 1, 2019, and are provisional.

HIV Prevalence

Characteristics of people living with HIV*

Santa Clara County, 2018

		N	%	Rate
Gender	Male	2,935	86%	297.1
	Female	444	13%	46
	Transgender [^]	38	1%	-
Age	0-12 yrs	2	<1%	0.6
	13-24 yrs	81	2%	26.8
	25-44 yrs	1,203	35%	224.3
	45-64 yrs	1,799	53%	348.7
	65+ yrs	334	10%	119.1
Total		3,419	100%	174.7

* People diagnosed with HIV through 12/31/2018 and was alive in the year and had most recent address in Santa Clara County.

[^] Include transgender women and transgender men.

- Rate is not calculated due to lack of reliable population estimation.

Source: 1. Santa Clara County Public Health Department, eHARS data as of May 1, 2019, and are provisional; 2. State of California, Department of Finance, E-2. California County Population Estimates and Components of Change by Year — July 1, 2010–2018, December 2018; 3. State of California, Department of Finance, State and County Population Projections by Race/Ethnicity and Age, 2010-2060, Sacramento, California, January 2018.

Characteristics of people living with HIV*

Santa Clara County, 2018

		N	%	Rate
Race/ethnicity	White	1,106	32%	173.5
	Latino	1,424	42%	264.6
	African American	371	11%	817.6
	Asian/Pacific Islander	422	12%	63.0
	Other/Unknown	96	3%	-
Transmission mode	MSM	2,165	63%	-
	IDU	160	5%	-
	MSM & IDU	210	6%	-
	Heterosexual contact	366	11%	-
	Other/Unknown	518	15%	-

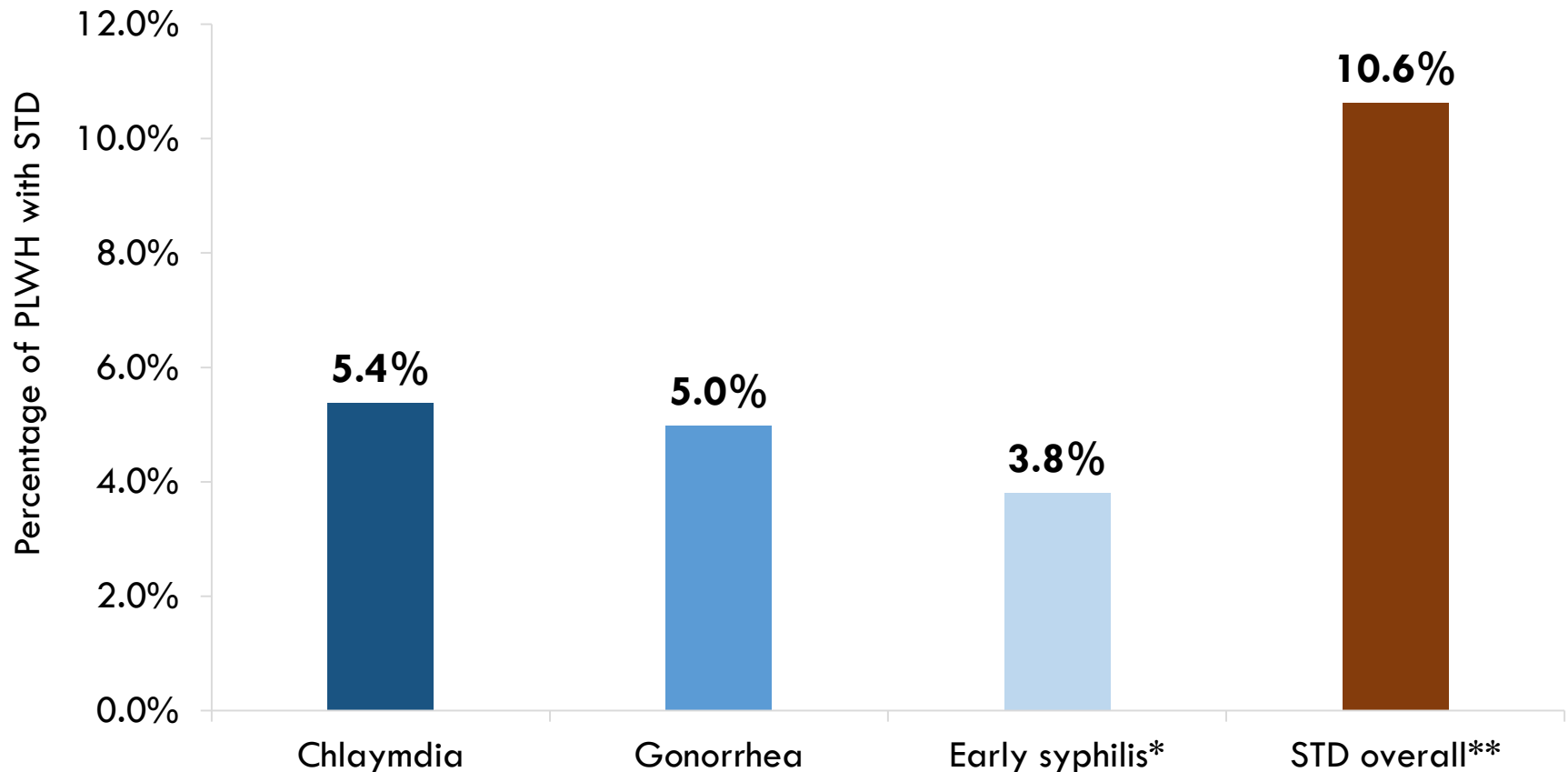
* People diagnosed with HIV through 12/31/2018 and was alive in the year and had most recent address in Santa Clara County.

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HIV/STD co-infection

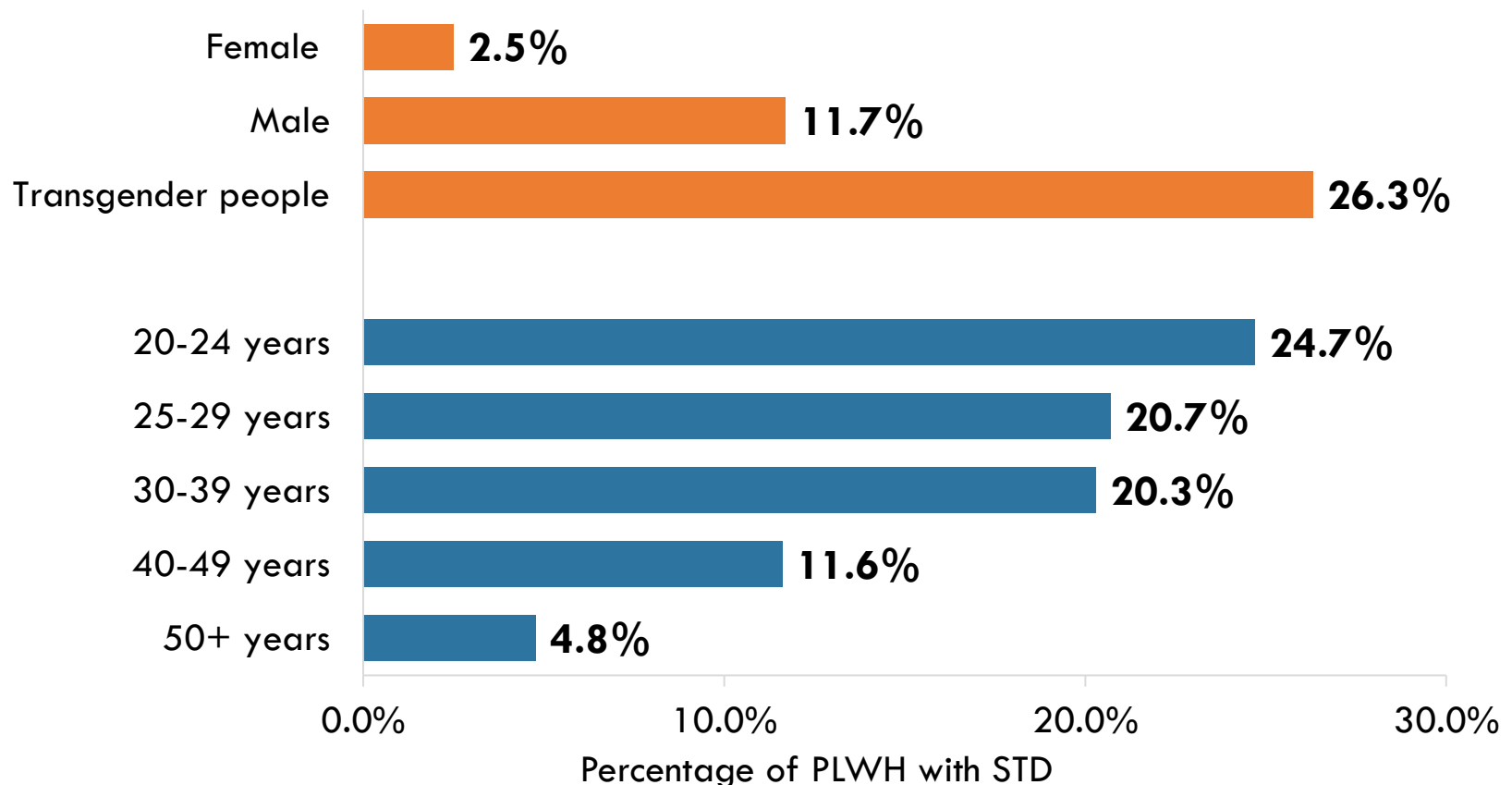
Percentage of people living with HIV with STD† Santa Clara County, 2018



† People living with HIV ages 13 and older with chlamydia, gonorrhea, early syphilis (primary, secondary and early latent) diagnosis in 2018. A person with multiple episodes of one disease in the year will be only counted once for the disease. * Include primary, secondary and early latent syphilis cases.

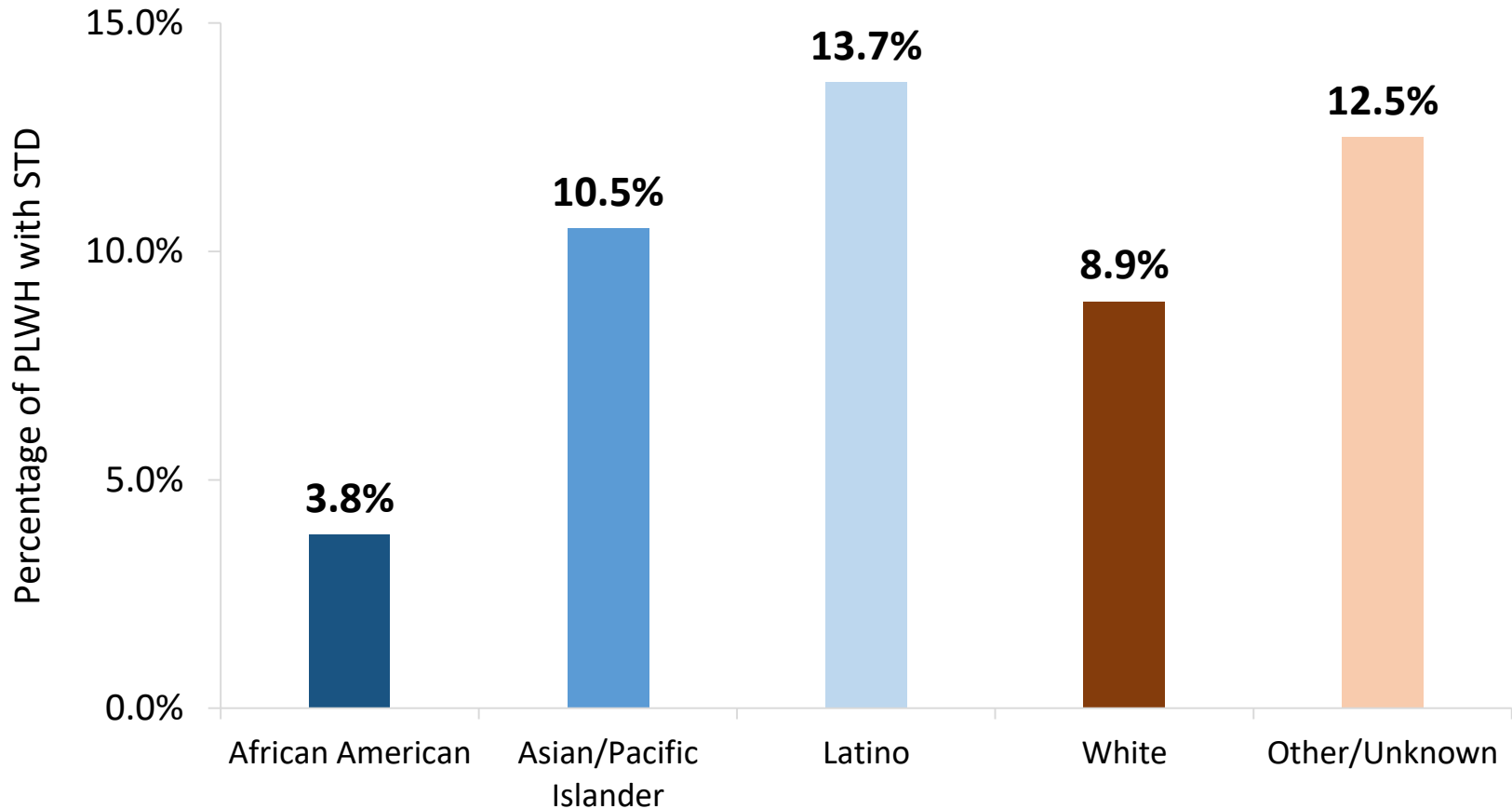
** The percentage of overall STD diagnosis is lower than the sum of the percentages of chlamydia, gonorrhea and early syphilis because one person may be diagnosed with multiple diseases. Source: 1. Santa Clara County Public Health Department, eHARS data as of May 1, 2019; 2. Santa Clara County Public Health Department, CalREDIE (2018), data as of May 1, 2019, and are provisional.

Percentage of people living with HIV with STD[†] by sex and age group, Santa Clara County, 2018



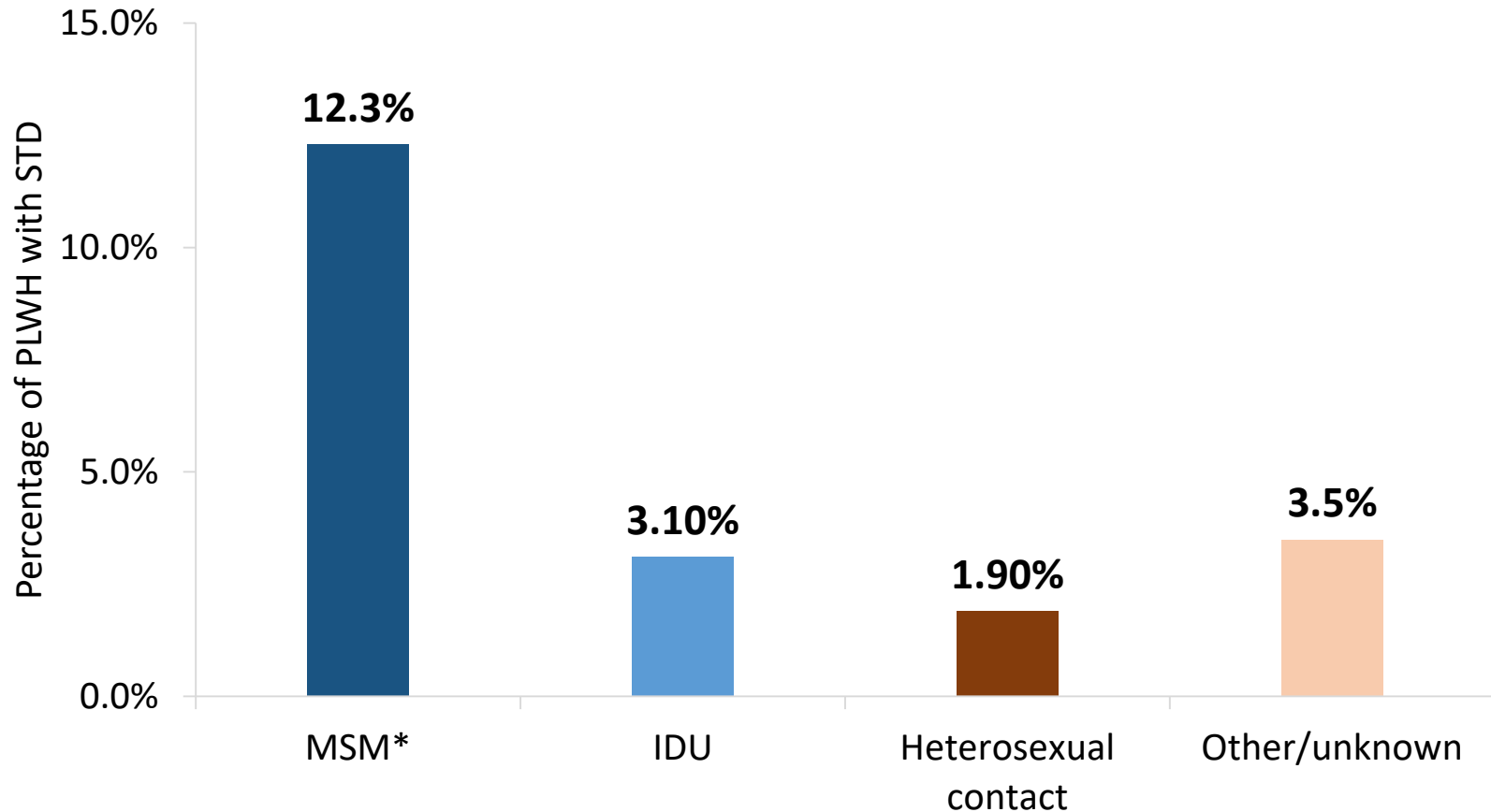
[†] People living with HIV ages 13 and older with chlamydia, gonorrhea, early syphilis (primary, secondary and early latent) diagnosis in 2018. A person with multiple episodes of one disease in the year will be only counted once for the disease. Source: 1. Santa Clara County Public Health Department, eHARS data as of May 1, 2019; 2. Santa Clara County Public Health Department, CalREDIE (2017), data as of May 1, 2019, and are provisional.

Percentage of people living with HIV with STD† by race/ethnicity, Santa Clara County, 2018



† People living with HIV ages 13 and older with chlamydia, gonorrhea, early syphilis (primary, secondary and early latent) diagnosis in 2018. A person with multiple episodes of one disease in the year will be only counted once for the disease. Source: 1. Santa Clara County Public Health Department, eHARS data as of May 1, 2019; 2. Santa Clara County Public Health Department, CalREDIE (2017), data as of May 1, 2019, and are provisional.

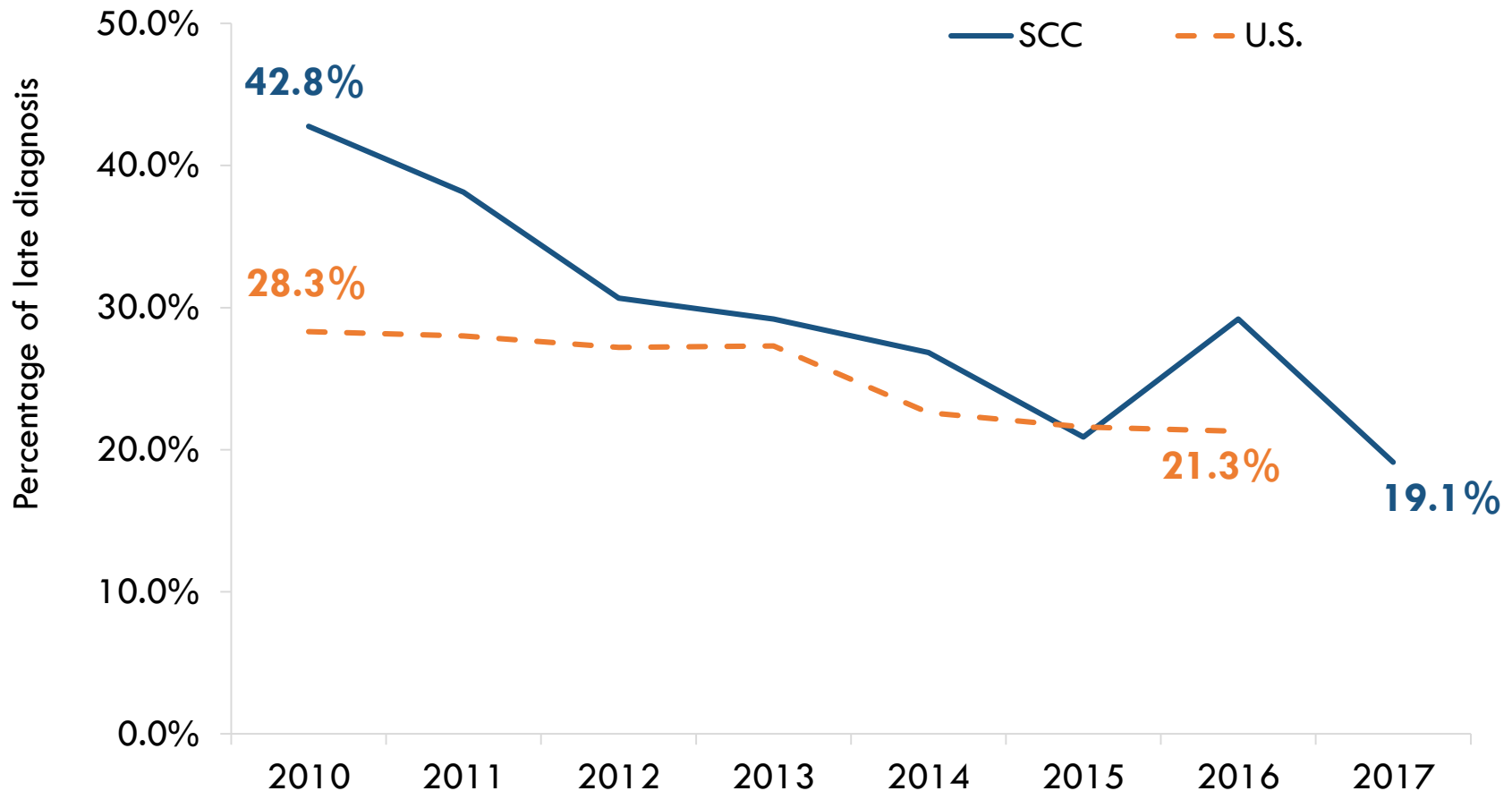
Percentages of people living with HIV with STD[†] by mode of transmission, Santa Clara County, 2018



* Include MSM and MSM who also injected drugs. † People living with HIV ages 13 and older with chlamydia, gonorrhea, early syphilis (primary, secondary and early latent) diagnosis in 2018. A person with multiple episodes of one disease in the year will be only counted once for the disease. Source: 1. Santa Clara County Public Health Department, eHARS data as of May 1, 2019; 2. Santa Clara County Public Health Department, CaIREDIE (2017), data as of May 1, 2019, and are provisional.

How Far from National Goals?

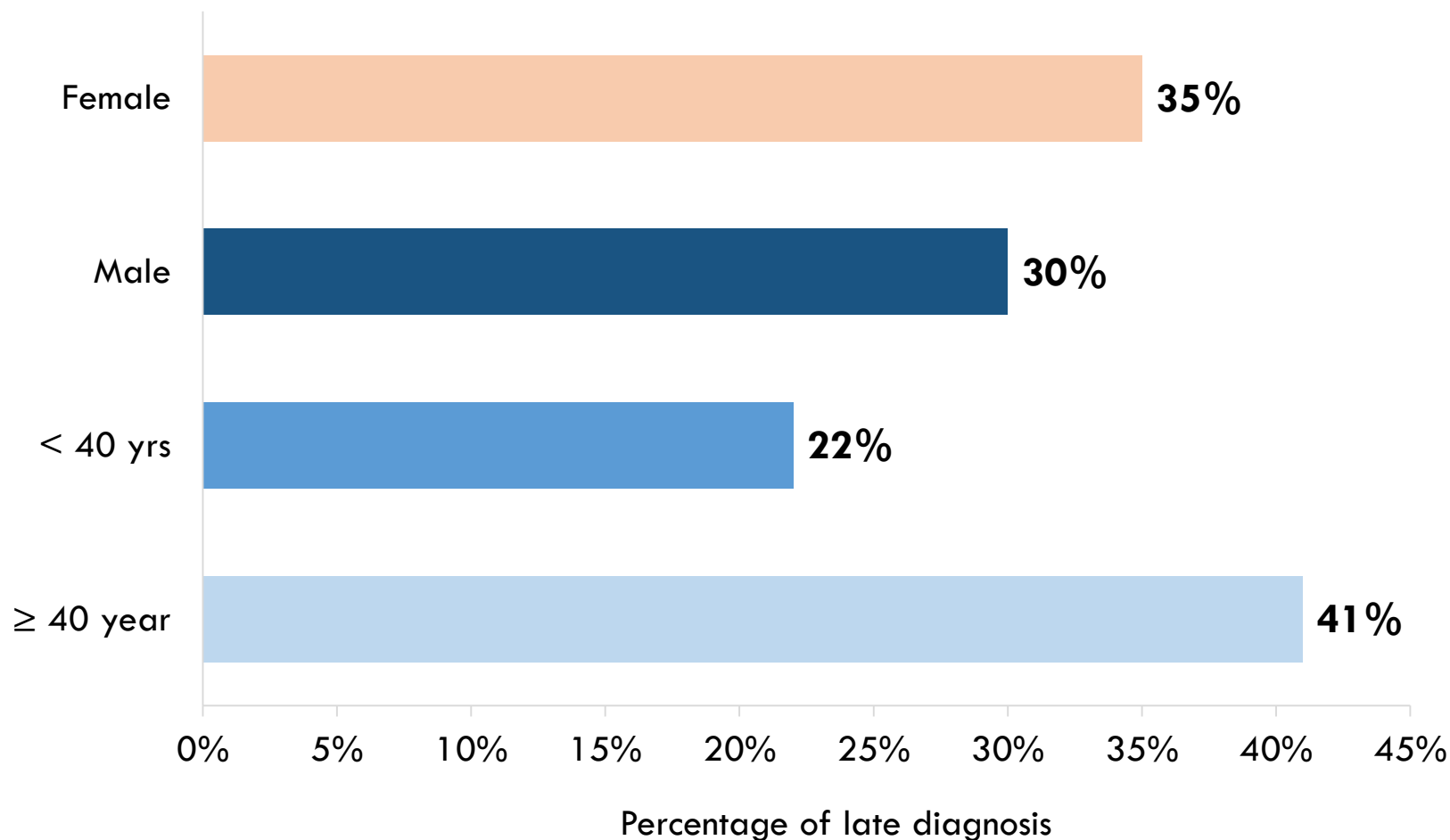
Percentage of late HIV diagnosis*, Santa Clara County, 2010 – 2017



* Late diagnosis is defined as having AIDS diagnosis within 3 months of diagnosis of HIV infection.

Source: 1. Santa Clara County Public Health Department, eHARS data as of May 1, 2019, and are provisional; 2. CDC Monitoring selected national HIV prevention and care objectives by using HIV surveillance data—United States and 6 dependent areas, 2016. *HIV Surveillance Supplemental Report* 2018;23(No. 4). <http://www.cdc.gov/hiv/library/reports/hiv-surveillance.html>. Published June 2018. National data for 2017 is not yet available as of May 20, 2019.

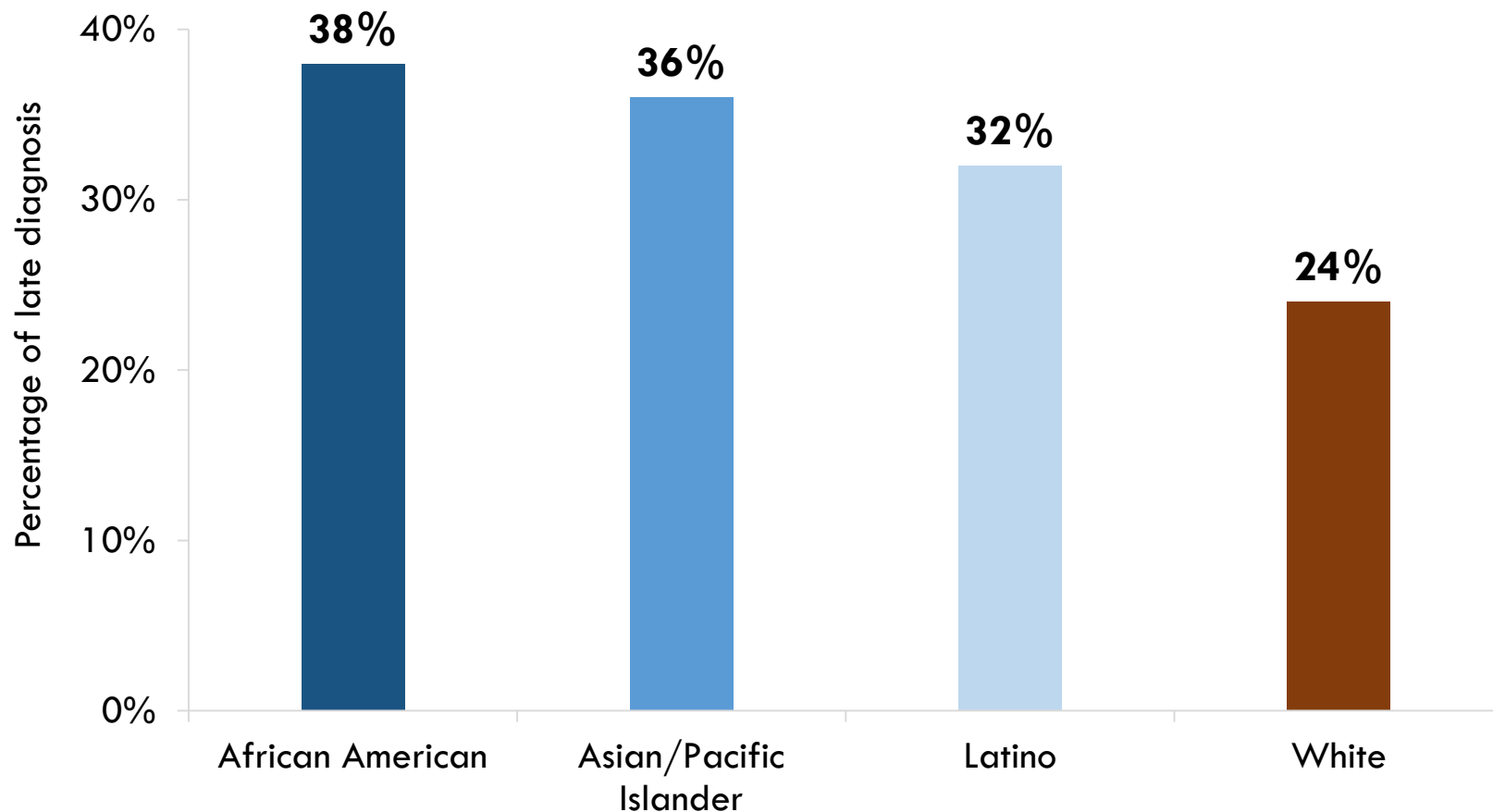
Overall percentage of late HIV diagnosis* by sex and age group, Santa Clara County, 2010 – 2017



* Late diagnosis is defined as having AIDS diagnosis within 3 months of diagnosis of HIV infection.

Source: Santa Clara County Public Health Department, eHARS data as of May 1, 2019, and are provisional.

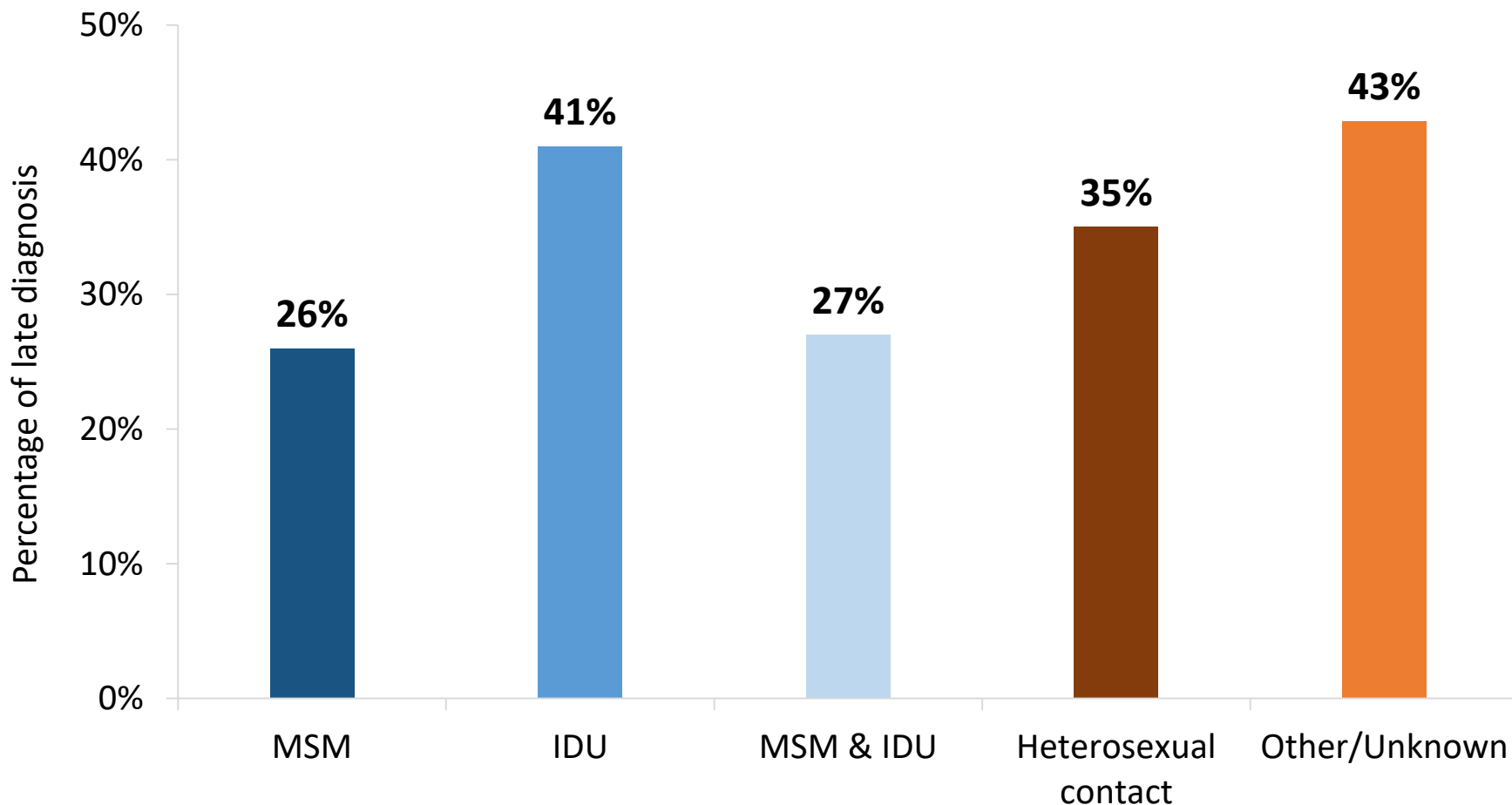
Percentage of late HIV diagnosis* by race/ethnicity Santa Clara County, 2010 – 2017



* Late diagnosis is defined as having AIDS diagnosis within 3 months of diagnosis of HIV infection.

Source: Santa Clara County Public Health Department, eHARS data as of May 1, 2019, and are provisional.

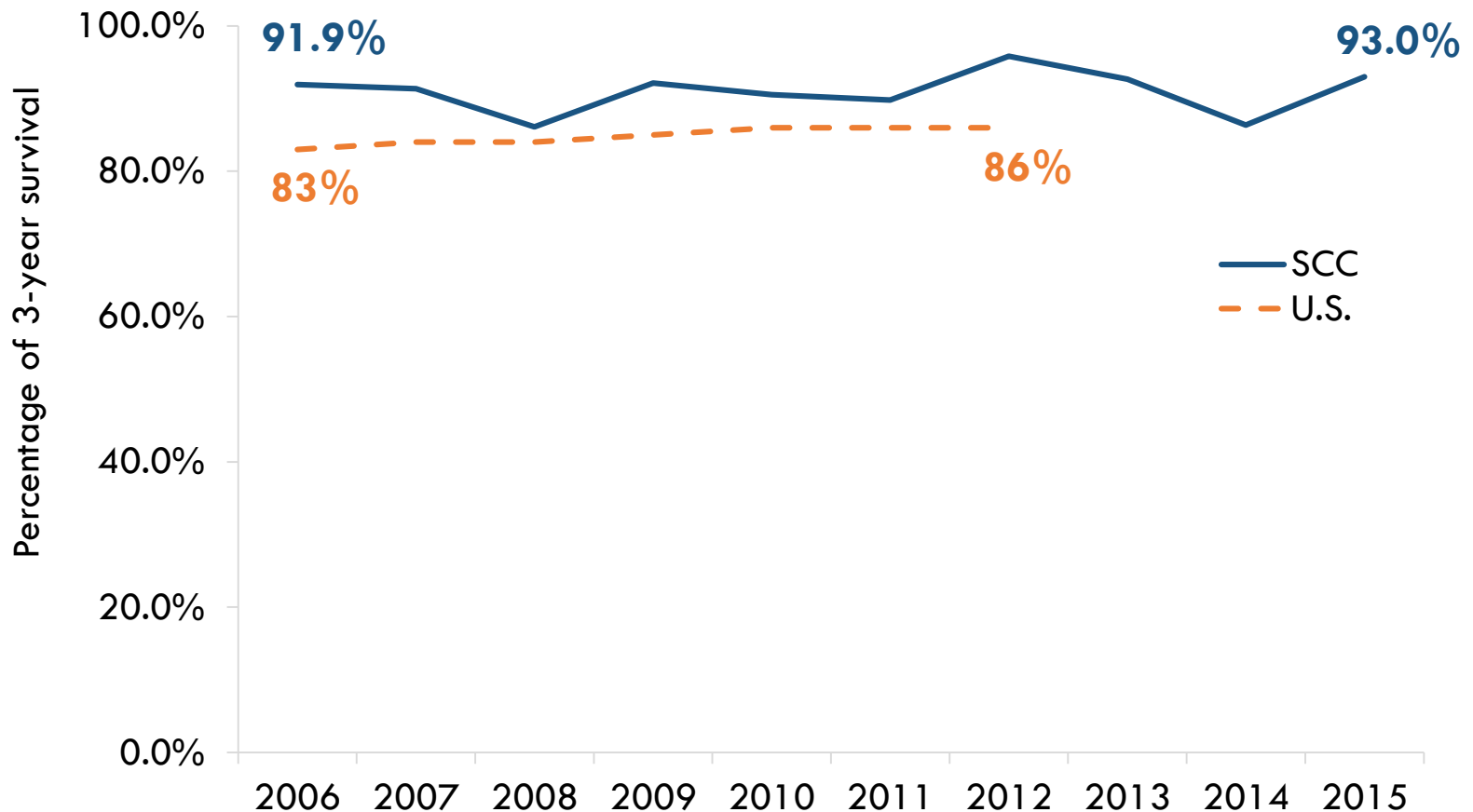
Percentage of late HIV diagnosis* by transmission mode, Santa Clara County, 2010 – 2017



* Late diagnosis is defined as having AIDS diagnosis within 3 months of diagnosis of HIV infection.

Source: Santa Clara County Public Health Department, eHARS data as of May 1, 2019, and are provisional.

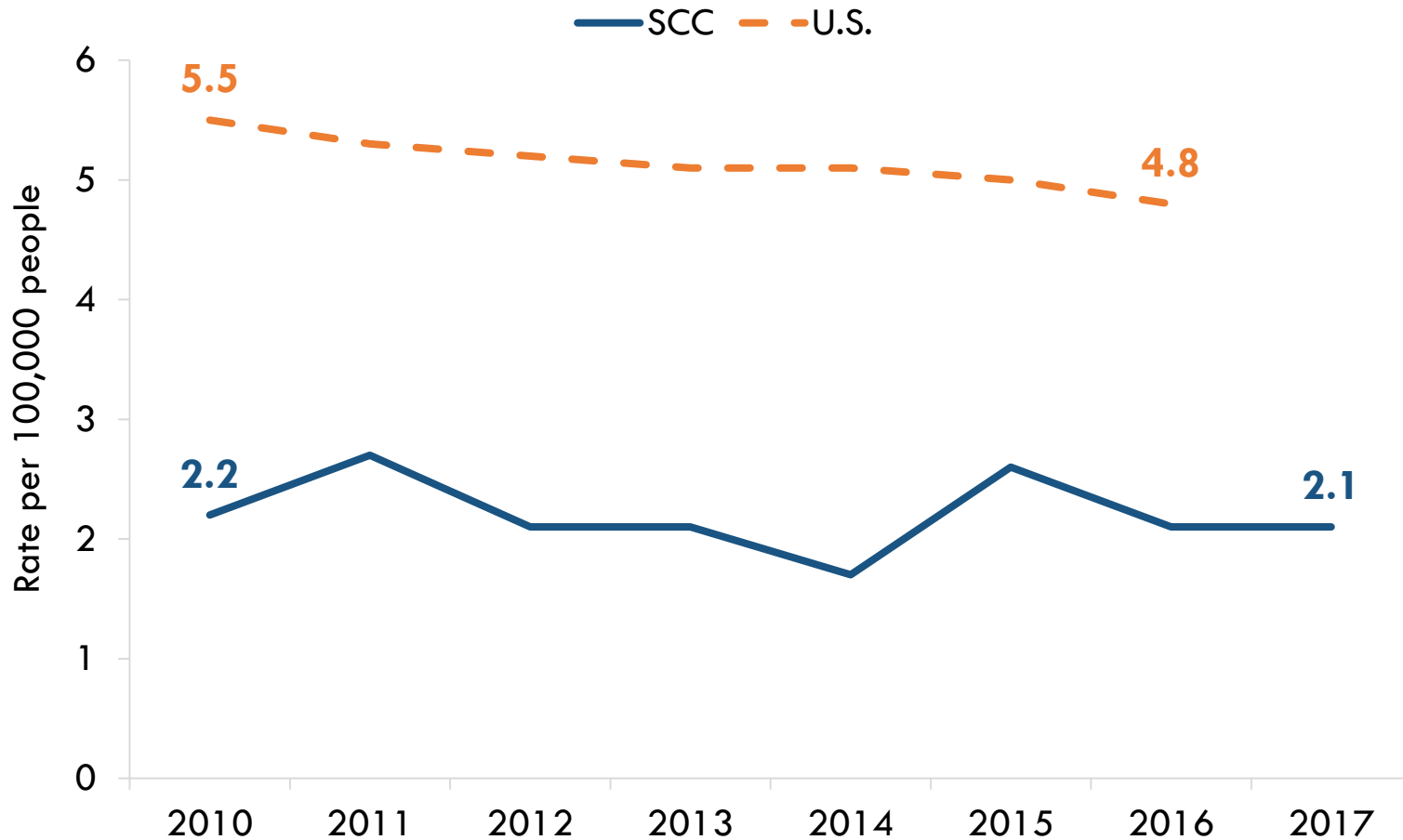
AIDS 3-year survival rates Santa Clara County, 2006 – 2015



Source: 1. Santa Clara County Public Health Department, eHARS data as of May 1, 2019, and are provisional; ; 2. CDC Monitoring selected national HIV prevention and care objectives by using HIV surveillance data—United States and 6 dependent areas, 2016. *HIV Surveillance Supplemental Report* 2018;23(No. 4). <http://www.cdc.gov/hiv/library/reports/hiv-surveillance.html>. Published June 2018. Most recent national data available is for 2012 of May 20, 2019.

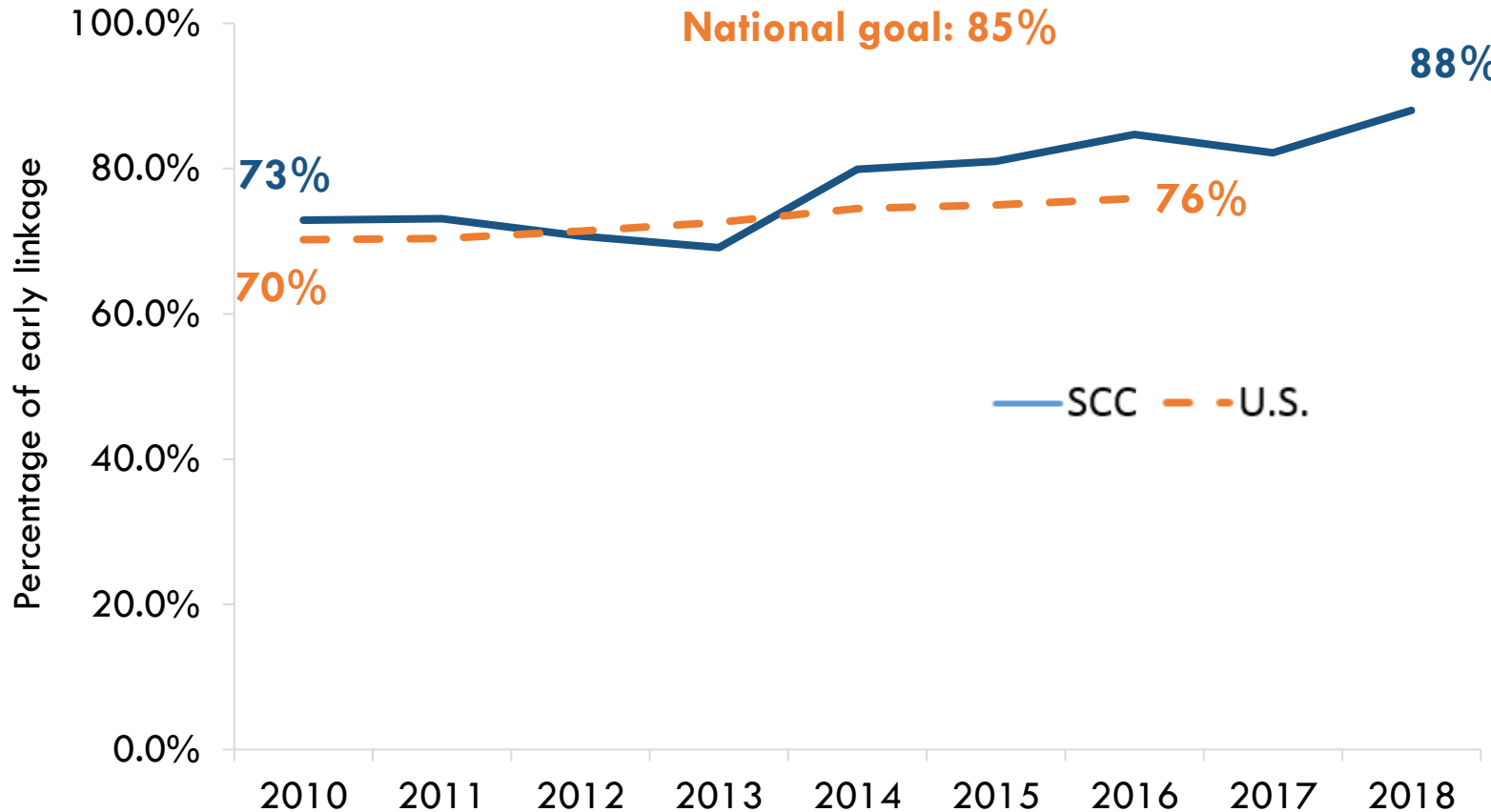
HIV mortality rates*

Santa Clara County, 2010 – 2017



Source: 1. Santa Clara County Public Health Department, eHARS data as of May 1, 2019, and are provisional; 2. CDC. HIV Surveillance Report, 2017; vol. 29. <http://www.cdc.gov/hiv/library/reports/hiv-surveillance.html>. Published November 2018. Accessed 5/21/2019; 3. CDC HIV Surveillance Report, 2015; vol. 27. <http://www.cdc.gov/hiv/library/reports/hiv-surveillance.html>. Published November 2016. Accessed 5/21/2019.

Percentage of early linkage to HIV care* among people ages 13+ newly diagnosed with HIV, 2010 – 2018

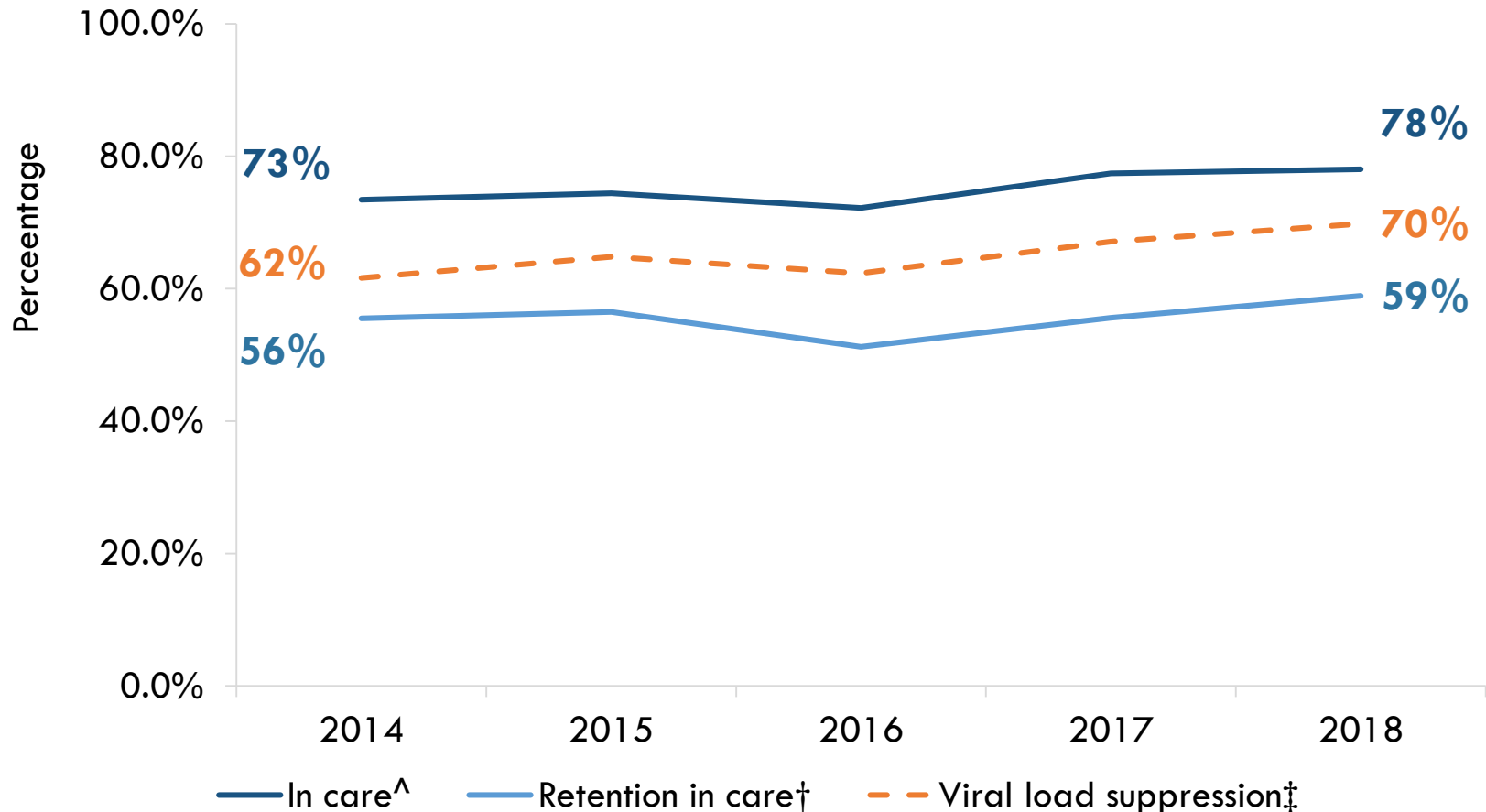


* Clinical care includes at least one CD4 or viral load test within one month of HIV diagnosis.

Source: 1. Santa Clara County Public Health Department, eHARS data as of May 1, 2019, and are provisional; 2. CDC Monitoring selected national HIV prevention and care objectives by using HIV surveillance data—United States and 6 dependent areas, 2016. *HIV Surveillance Supplemental Report 2018*;23(No. 4). <http://www.cdc.gov/hiv/library/reports/hiv-surveillance.html>. Published June 2018. Accessed 5/21/2019.

HIV continuum of care

Santa Clara County, 2010 – 2018



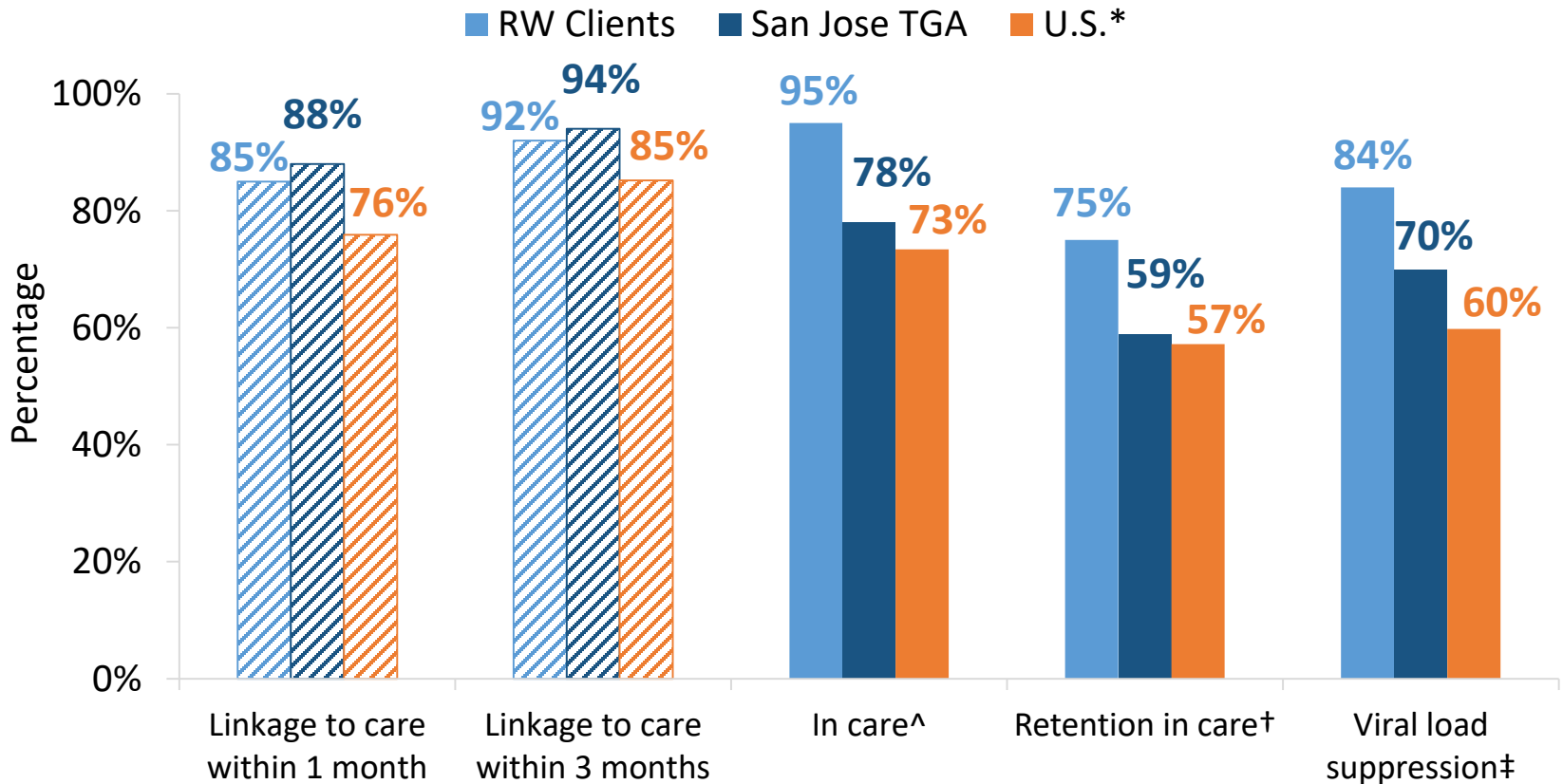
[^] People who were diagnosed with HIV through 2017 and alive in 2018 and who had at least 1 documented CD4 or viral load test in 2018.

[†] People who were diagnosed with HIV through 2017 and alive in 2018, and who had at least 2 documented CD4 or viral load test in 2018, at least 3 months apart.

[‡] People who were diagnosed with HIV through 2017 and alive in 2018, with most recent HIV viral load in 2018 less than 200 copies/ml.

Source: 1. Santa Clara County Public Health Department, eHARS data as of May 1, 2019, and are provisional; 2. CDC Monitoring selected national HIV prevention and care objectives by using HIV surveillance data—United States and 6 dependent areas, 2016. *HIV Surveillance Supplemental Report* 2018;23(No. 4). <http://www.cdc.gov/hiv/library/reports/hiv-surveillance.html>. Published June 2018. Accessed 5/21/2019.

HIV continuum of care Santa Clara County, 2018



* U.S. data for in care, retention in care and viral load suppression is from 39 states and District of Columbia among people diagnosed with HIV through 2014 and alive in 2015.

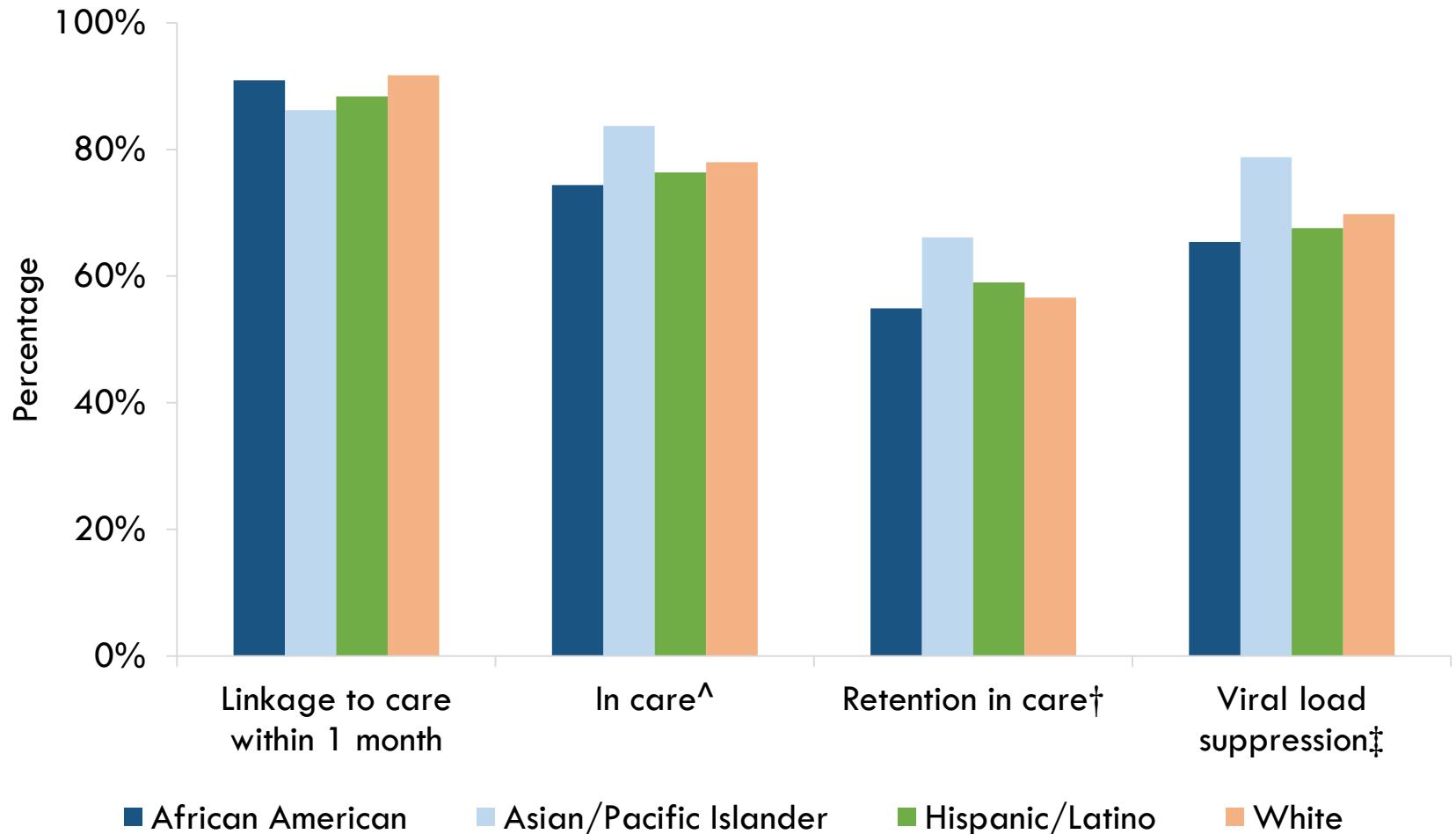
[^] People who were diagnosed with HIV through 2017 and alive in 2018 and who had at least 1 documented CD4 or viral load test in 2018.

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[‡] People who were diagnosed with HIV through 2017 and alive in 2018, with most recent HIV viral load in 2018 less than 200 copies/ml

Source: 1. Santa Clara County Public Health Department, eHARS data as of May 1, 2019, and are provisional; 2. CDC Monitoring selected national HIV prevention and care objectives by using HIV surveillance data—United States and 6 dependent areas, 2016. *HIV Surveillance Supplemental Report 2018*;23(No. 4). <http://www.cdc.gov/hiv/library/reports/hiv-surveillance.html>. Published June 2018. Accessed 5/21/2019.

HIV continuum of care by race/ethnicity Santa Clara County, 2018



[^] People who were diagnosed with HIV through 2017 and alive in 2018 and who had at least 1 documented CD4 or viral load test in 2018.

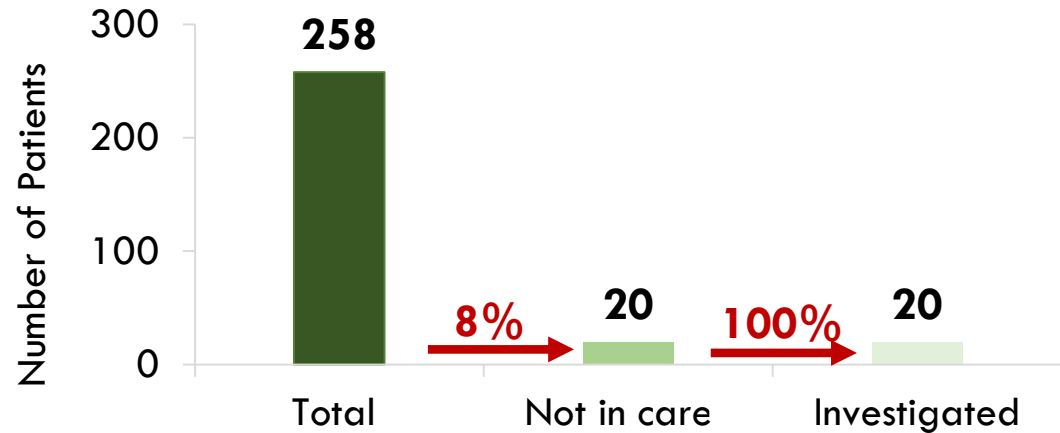
[†] People who were diagnosed with HIV through 2017 and alive in 2018, and who had at least 2 documented CD4 or viral load test in 2018, at least 3 months apart.

[‡] People who were diagnosed with HIV through 2017 and alive in 2018, with most recent HIV viral load in 2018 less than 200 copies/ml.

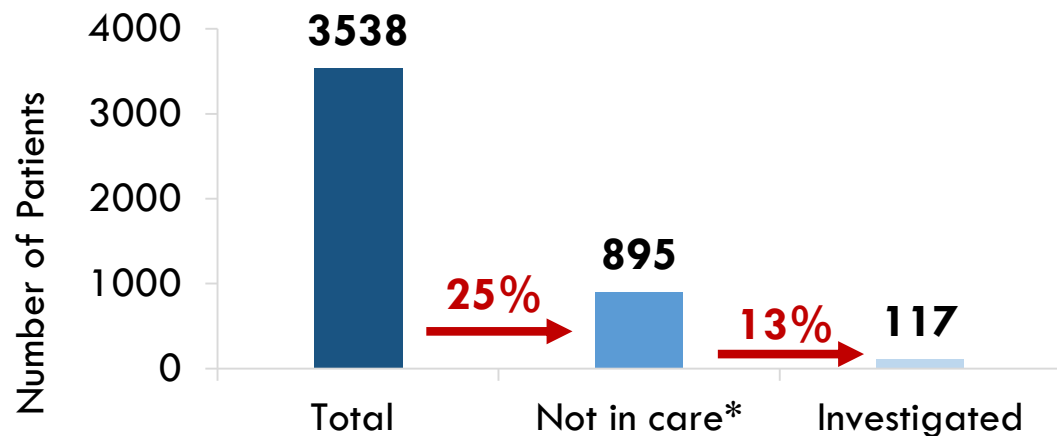
Source: 1. Santa Clara County Public Health Department, eHARS data as of May 1, 2019, and are provisional;

Data to Care Project

Newly diagnosed §



Not-newly diagnosed §§



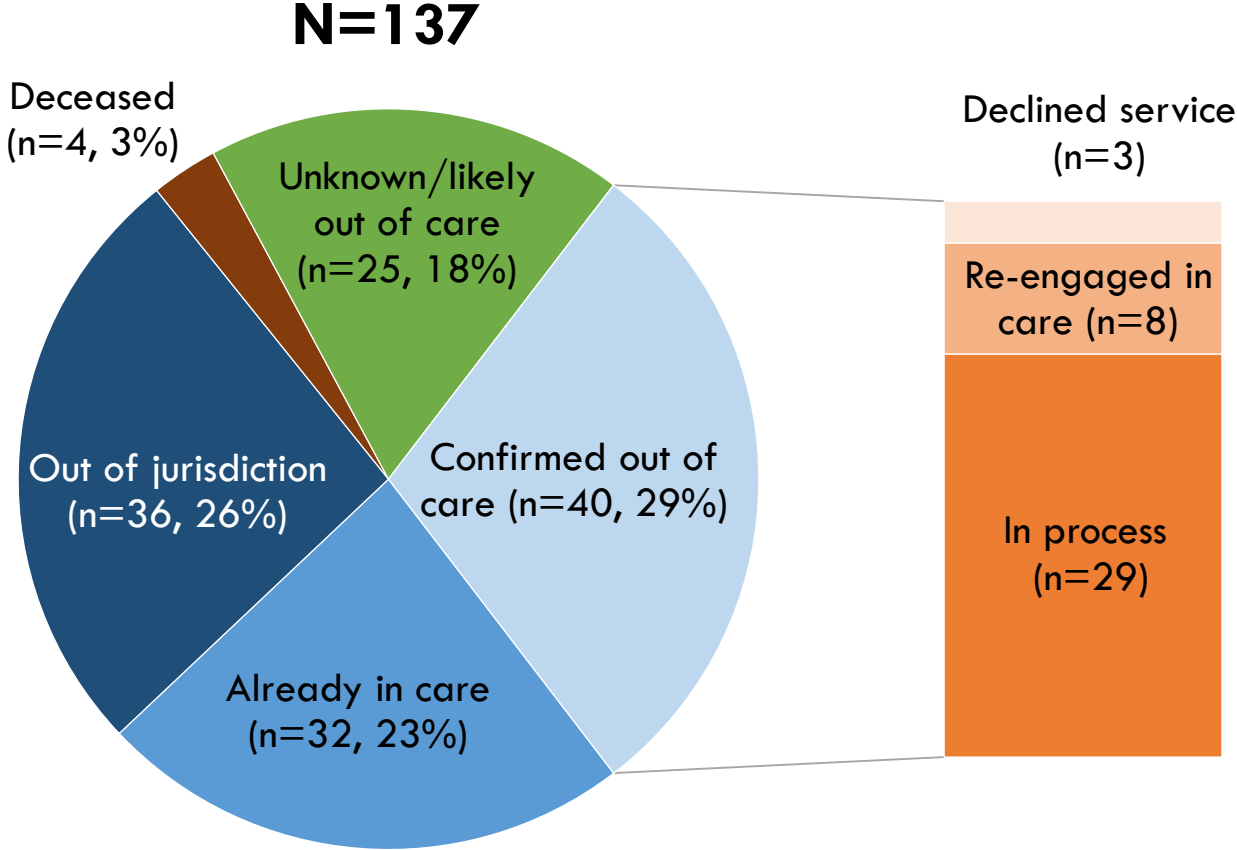
§ Cases presumed to be alive and still residing in Santa Clara County that were diagnosed in the most recent 12 month period.

§§ Cases presumed to be alive and still residing in Santa Clara County that were NOT diagnosed in the most recent 12 month period.

* Cases that do NOT have a care lab within the previous 12 months, among cases that have been "heard from" in the past 36 months. Cases that have not been "heard from" during the previous 36 month were deprioritize for follow up.

Source: California Department of Public Health, Office of AIDS.

Follow-up Results of Out of Care HIV Patients



Data to Care Project: Preliminary Findings

Of initial patients confirmed out of care:

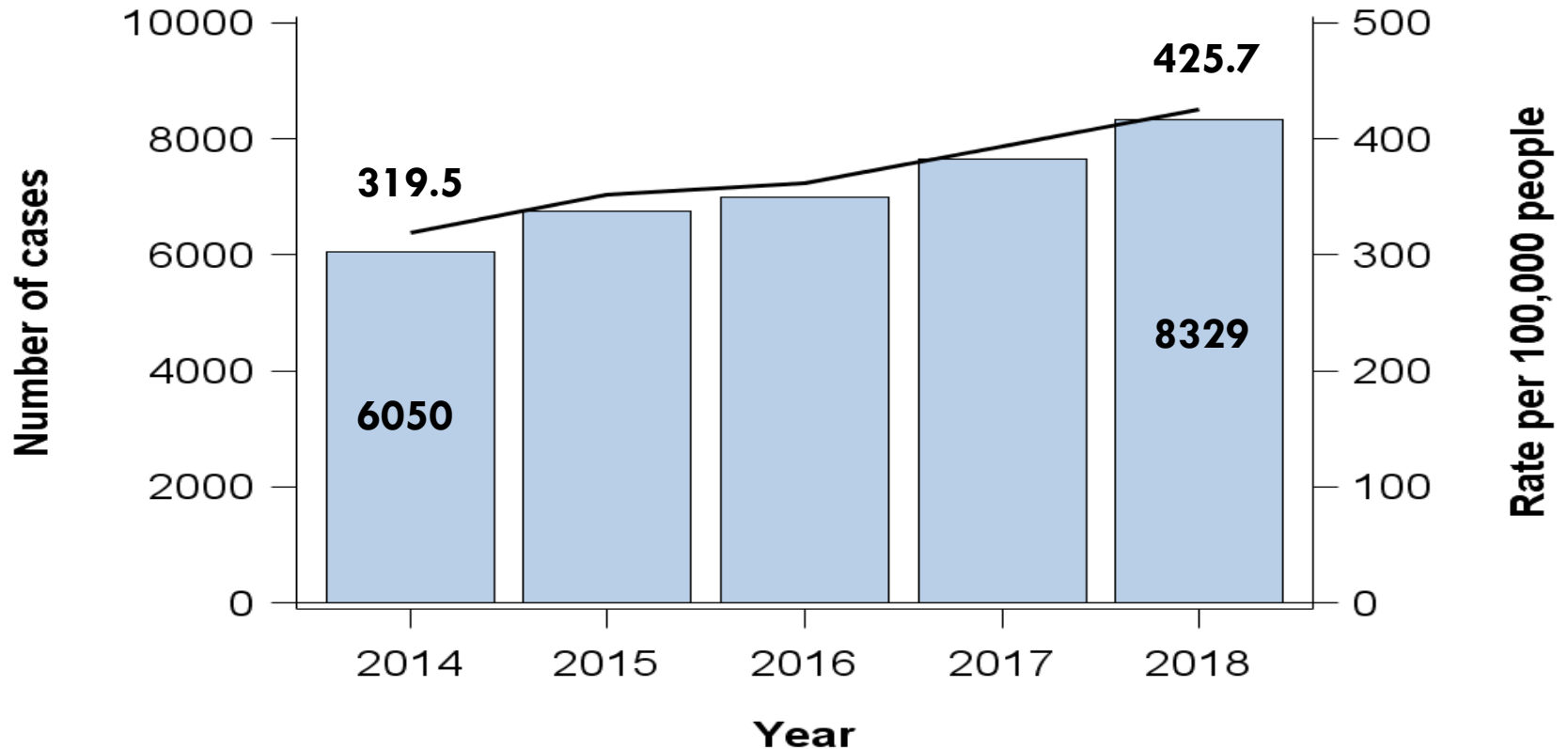
- ❑ Not ready to start care at time of diagnosis – 2
- ❑ Not aware of diagnosis – 3
 - Life insurance cases (2)
 - Tested but did not return for results (1)
- ❑ Insurance or medication coverage concern – 2
- ❑ Unmanaged mental illness – 1

Next steps:

- ❑ Follow-up with State Office of AIDS regarding data gaps
- ❑ Continue data collection on service gaps to inform service providers and allocations

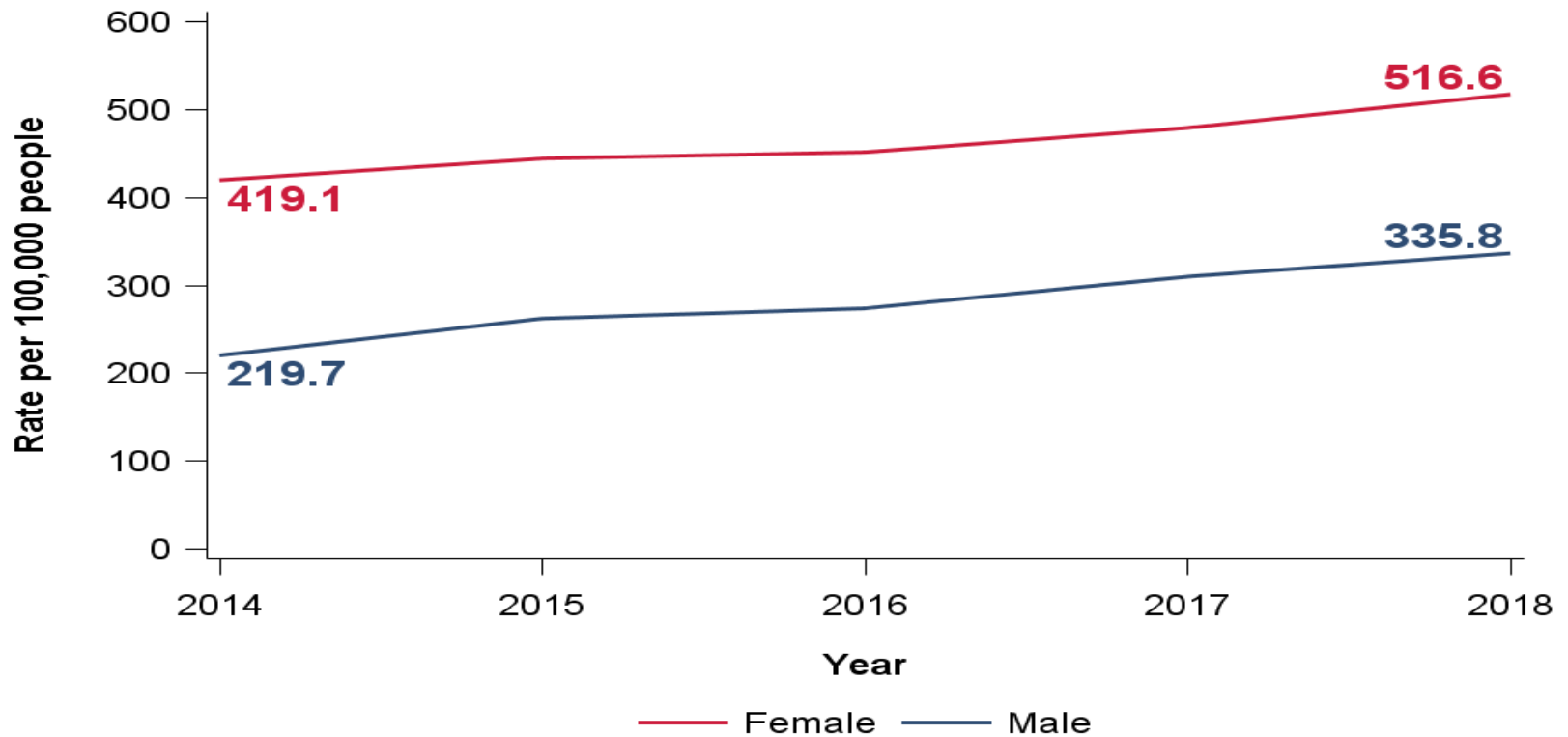
Other Sexually Transmitted Diseases

Chlamydia Case Counts and Rates Santa Clara County, 2014 – 2018



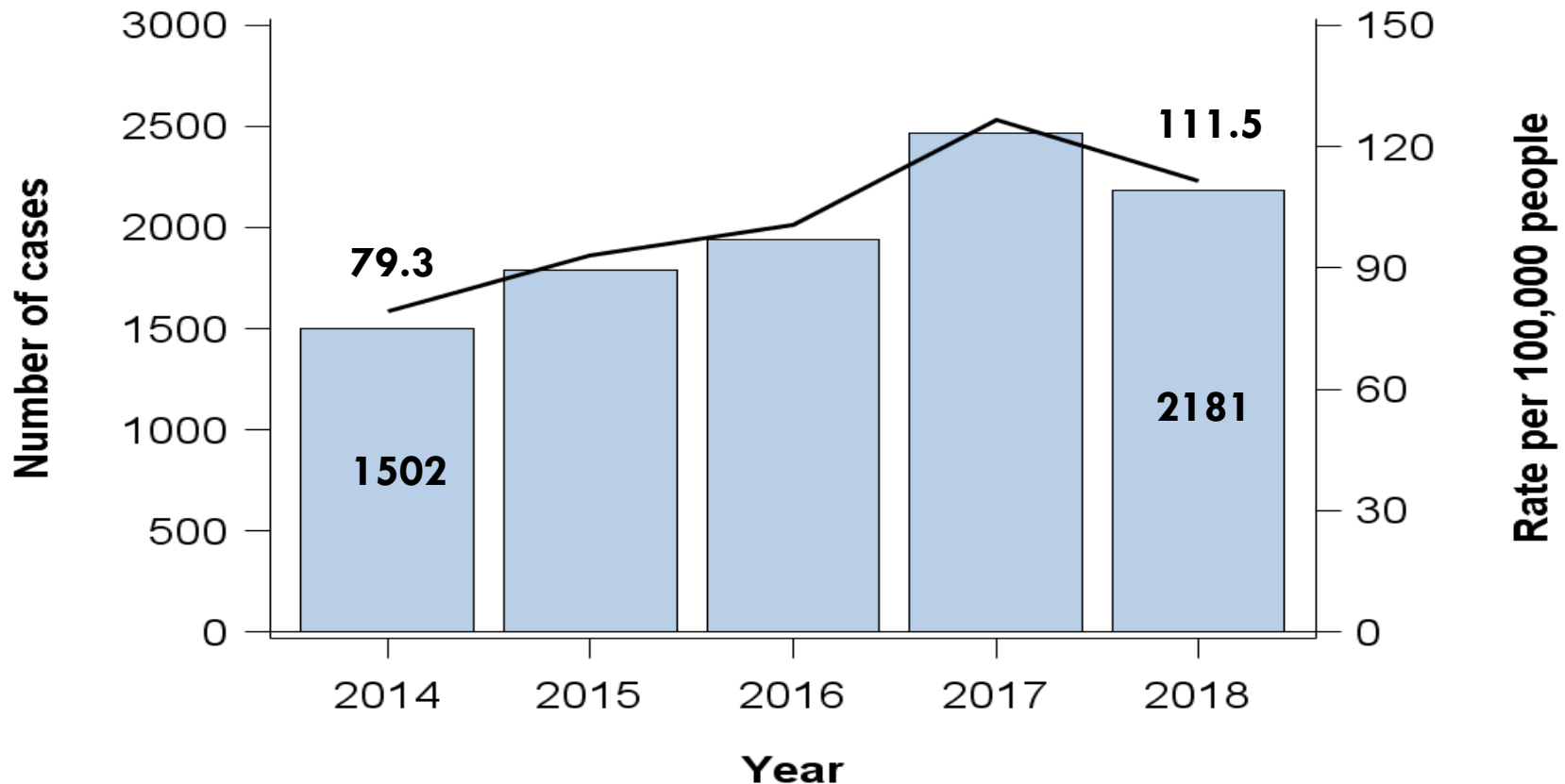
Source: 1. Santa Clara County Public Health Department, CalREDIE (2014-2018), data are provisional as of May 1, 2019; 2. State of California, Department of Finance, E-2. California County Population Estimates and Components of Change by Year — July 1, 2010–2018, December 2018; 3. State of California, Department of Finance, State and County Population Projections by Race/Ethnicity and Age, 2010-2060, Sacramento, California, January 2018.

Chlamydia Case Rates by Sex Santa Clara County, 2014 – 2018



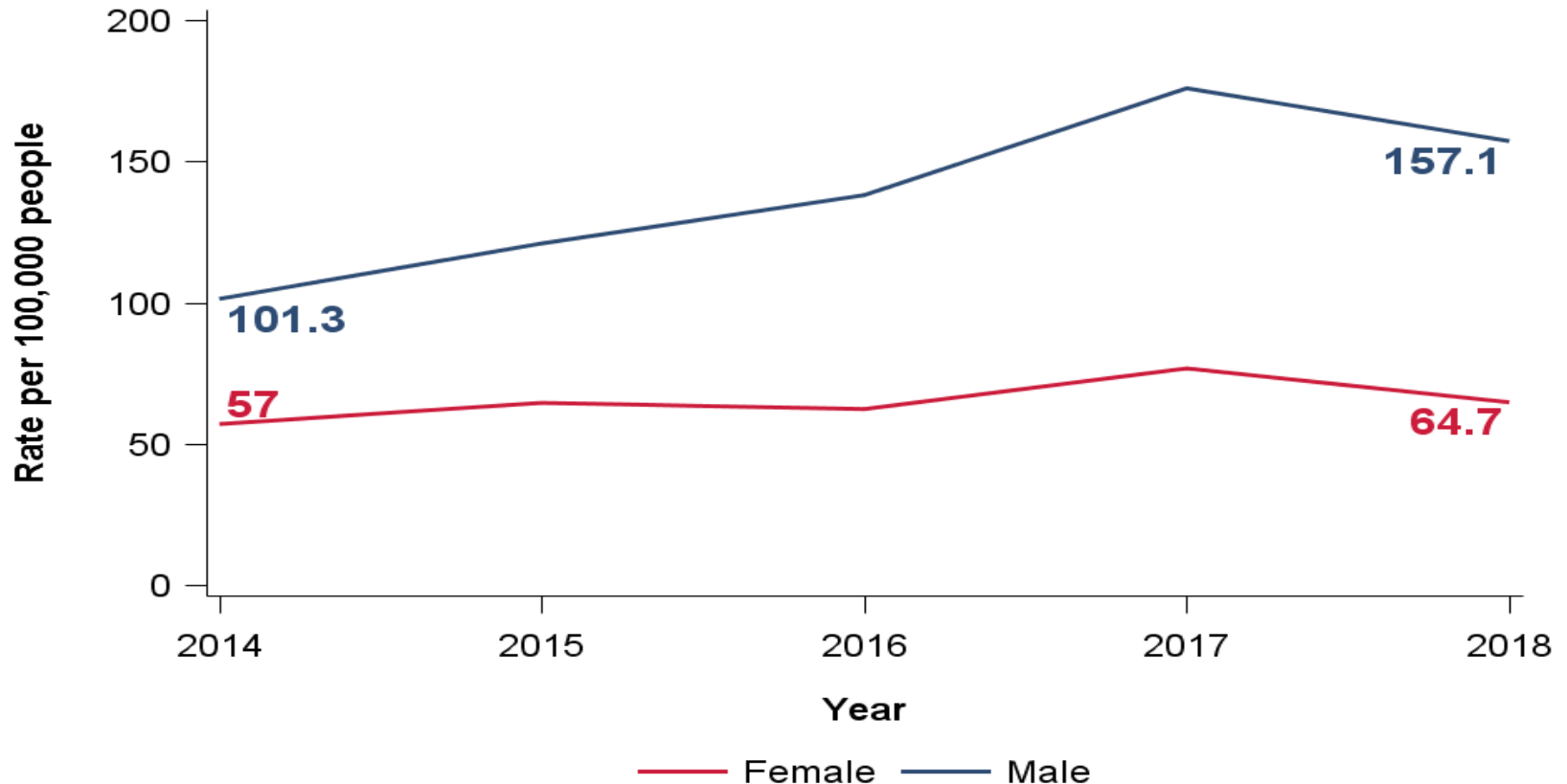
Source: 1. Santa Clara County Public Health Department, CalREDIE (2014-2018), data are provisional as of May 1, 2019; 2. State of California, Department of Finance, E-2. California County Population Estimates and Components of Change by Year — July 1, 2010–2018, December 2018; 3. State of California, Department of Finance, State and County Population Projections by Race/Ethnicity and Age, 2010-2060, Sacramento, California, January 2018.

Gonorrhea Case Counts and Rates Santa Clara County, 2014 – 2018



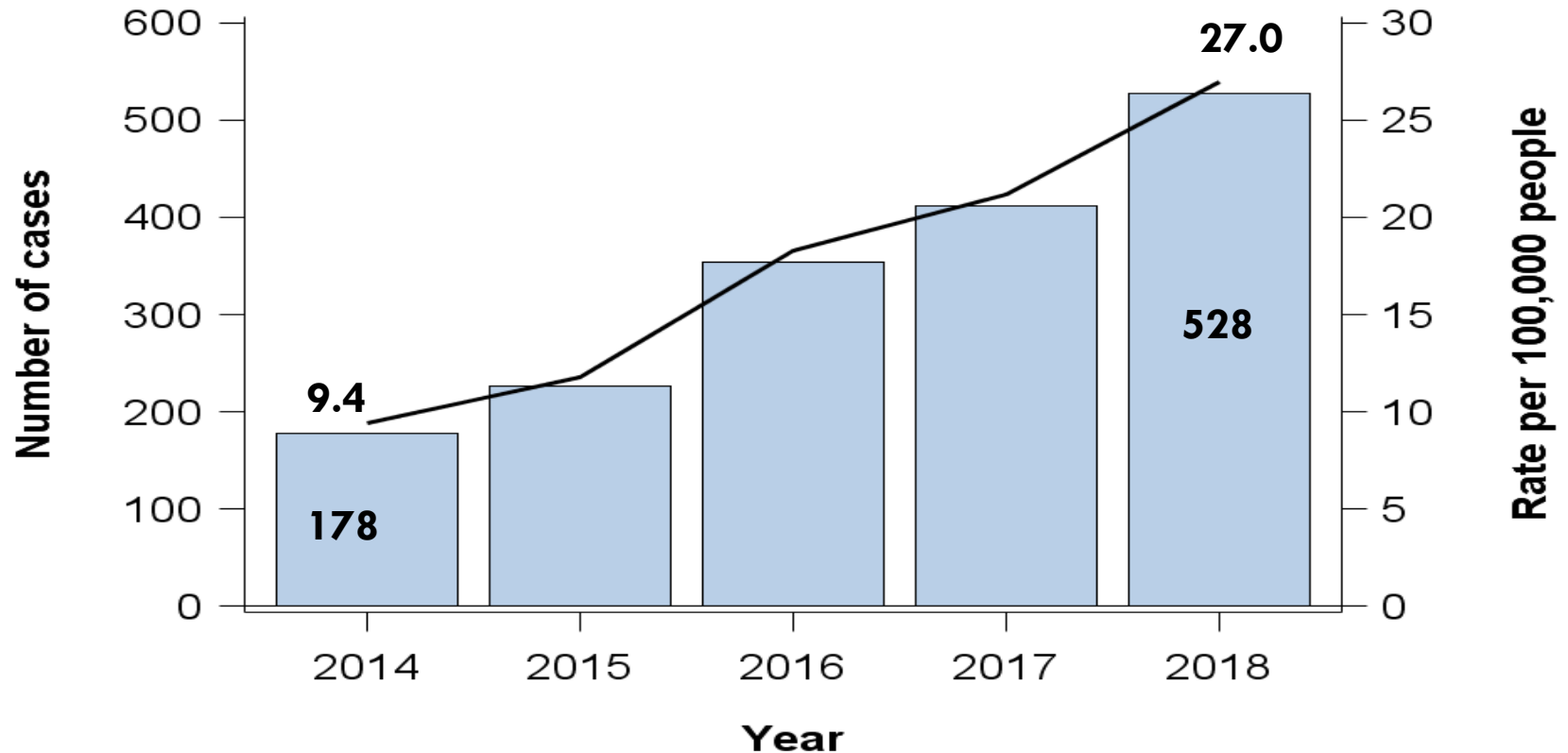
Source: 1. Santa Clara County Public Health Department, CalREDIE (2014-2018), data are provisional as of May 1, 2019; 2. State of California, Department of Finance, E-2. California County Population Estimates and Components of Change by Year — July 1, 2010–2018, December 2018; 3. State of California, Department of Finance, State and County Population Projections by Race/Ethnicity and Age, 2010-2060, Sacramento, California, January 2018.

Gonorrhea Case Rates by Sex Santa Clara County, 2014 – 2018



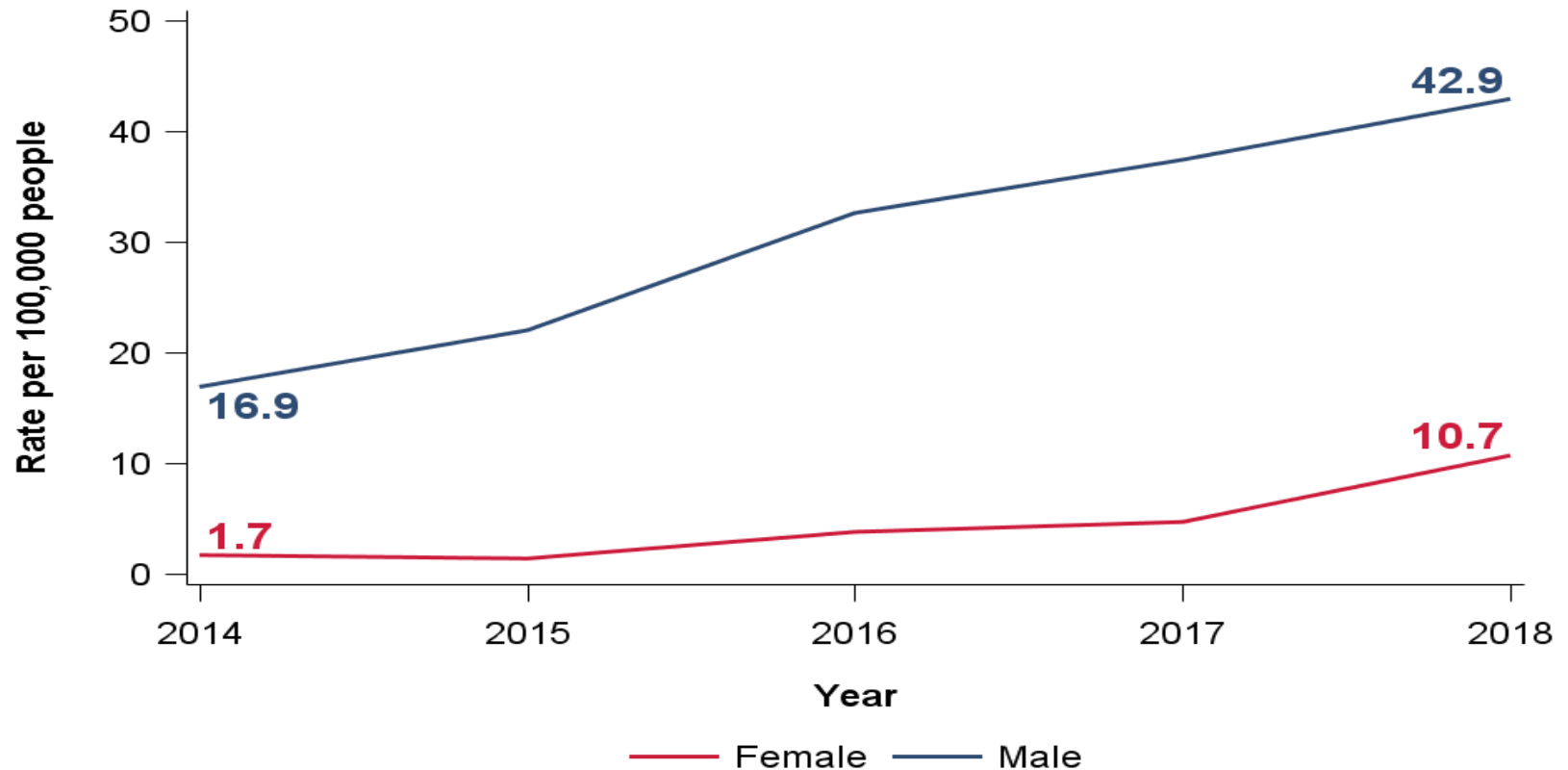
Source: 1. Santa Clara County Public Health Department, CalREDIE (2014-2018), data are provisional as of May 1, 2019; 2. State of California, Department of Finance, E-2. California County Population Estimates and Components of Change by Year — July 1, 2010–2018, December 2018; 3. State of California, Department of Finance, State and County Population Projections by Race/Ethnicity and Age, 2010-2060, Sacramento, California, January 2018.

Early Syphilis Case Counts and Rates Santa Clara County, 2014 – 2018



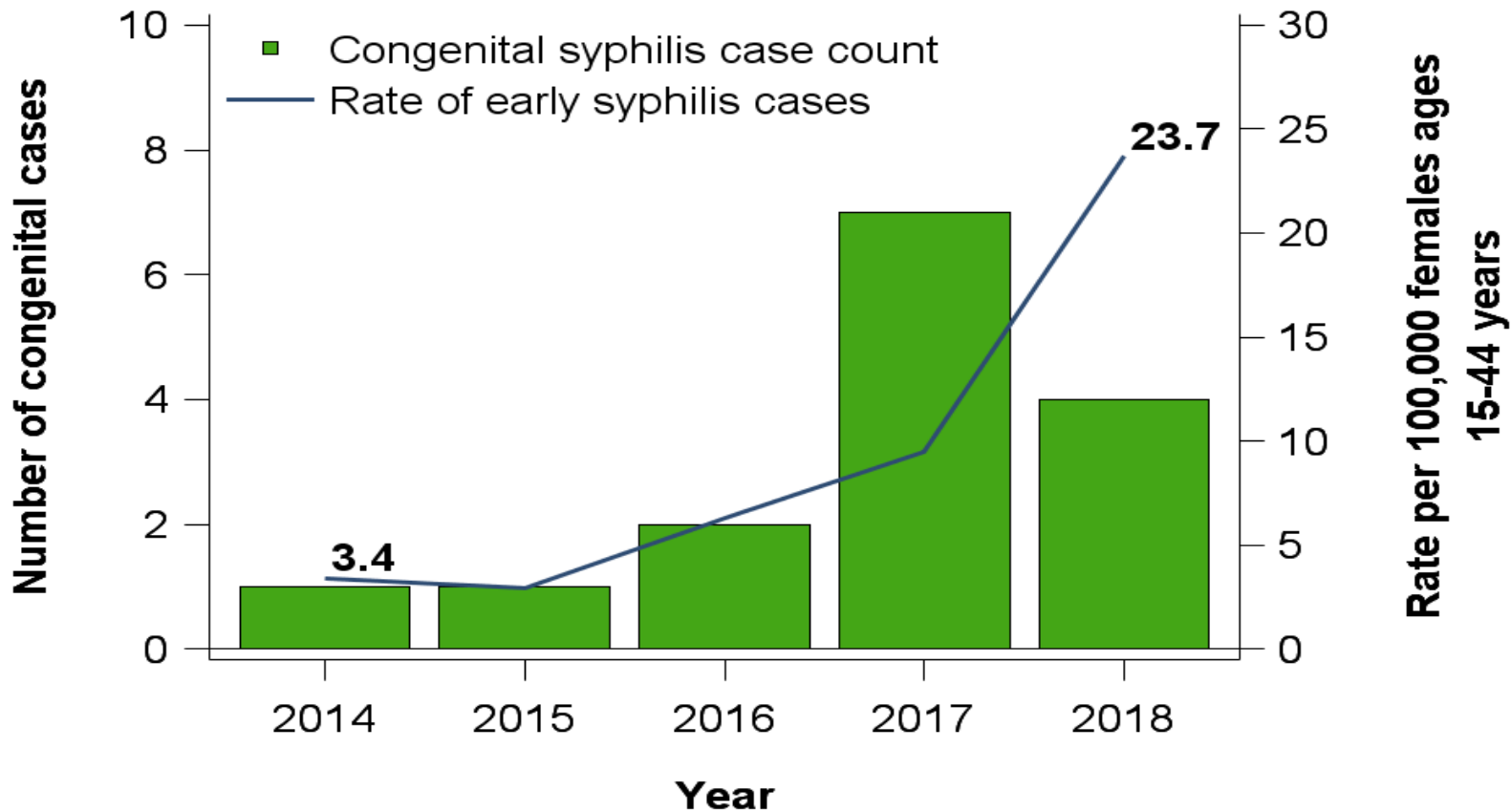
Source: 1. Santa Clara County Public Health Department, CalREDIE (2014-2018), data are provisional as of May 1, 2019; 2. State of California, Department of Finance, E-2. California County Population Estimates and Components of Change by Year — July 1, 2010–2018, December 2018; 3. State of California, Department of Finance, State and County Population Projections by Race/Ethnicity and Age, 2010-2060, Sacramento, California, January 2018.

Early Syphilis Case Rates by Sex Santa Clara County, 2014 – 2018



Source: Santa Clara County Public Health Department, AVSS (2010-2011), CalREDIE (2011-2017), data are provisional as of April 15, 2018; State of California, Department of Finance, E-2. California County Population Estimates and Components of Change by Year — July 1, 2010–2017. Sacramento, California, December 2017; State of California, Department of Finance, State and County Population Projections by Race/Ethnicity and Age, 2010-2060, Sacramento, California, January 2018.

Congenital Syphilis Cases and Early Syphilis Case Rates among Females ages 15 – 44 years, Santa Clara County, 2014 – 2018



Source: Santa Clara County Public Health Department, AVSS (2010-2011), CaIREDIE (2011-2017), data are provisional as of April 15, 2018; State of California, Department of Finance, E-2. California County Population Estimates and Components of Change by Year — July 1, 2010–2017. Sacramento, California, December 2017; State of California, Department of Finance, State and County Population Projections by Race/Ethnicity and Age, 2010-2060, Sacramento, California, January 2018.



Santa Clara County
PUBLIC
HEALTH

Great Things Start with Good Health