



HIV DISEASE AMONG ADULT/ADOLESCENT MALES, SAN DIEGO COUNTY, 2017

Epidemiology and Immunization Services Branch

County of San Diego

Health and Human Services Agency



Table of Contents



<u>Slide #</u>	<u>Title</u>
4	Summary
5	Number of Cumulative Adult/Adolescent Male HIV Diagnoses by Transmission Risk, San Diego County, 1980-2017
6	Number of Cumulative Adult/Adolescent Male HIV Diagnoses by Race/Ethnicity, San Diego County, 1980-2017
7	Number of Recent Adult/Adolescent Male HIV Diagnoses by Age and Transmission Risk, San Diego County, 2013-2017
8	Number of Recent Adult/Adolescent Male HIV Diagnoses by HHSA Region and Transmission Risk, San Diego County, 2013-2017
9	Number of Recent Adult/Adolescent Male HIV Diagnoses by Race/Ethnicity and Transmission Risk, San Diego County, 2013-2017
10	Number of Recent HIV Diagnoses Among MSM ¹ by HHSA Region and Race/Ethnicity, San Diego County, 2013-2017
11	Number of HIV Diagnoses Among MSM ¹ by Age at Diagnosis, San Diego County, 1993-2017
12	Number of HIV Diagnoses Among MSM ¹ by Race/Ethnicity, San Diego County, 1993-2017

¹MSM = men who have sex with men



Table of Contents (continued)



<u>Slide #</u>	<u>Title</u>
13	Number of Adult/Adolescent Male PLWHA by Transmission Risk, San Diego County, 2017
14	Number of Adult/Adolescent Male PLWHA by Age at Diagnosis and Transmission Risk, San Diego County, 2017
15	Number of Adult/Adolescent Male PLWHA by Current HHSA Region and Transmission Risk, San Diego County, 2017
16	Number of Adult/Adolescent Male PLWHA by Race/Ethnicity and Transmission Risk, San Diego County, 2017
17	Number of MSM ¹ PLWHA by Race/Ethnicity, Age, and HHSA Region, San Diego County, 2017
18	Retained in Care and Viral Suppression, San Diego County, 2017
19	Appendix 1: Definitions and Acronyms
20	Appendix 2: HHSA Regions and Zip Codes
21	Appendix 3: Map of HHSA Regions
22	Contact Information

Summary



- 21,248 adult/adolescent males diagnosed with HIV disease while residing in San Diego County, 1980-2017
 - 19,024 (90%) of adult/adolescent males diagnosed were among MSM group (MSM-only and MSM and IDU)
- 2,151 adult/adolescent males diagnosed with HIV disease recently (2013-2017) while residing in San Diego County
 - 1,762 (82%) among MSM group
 - 788 (45%) were Hispanic/Latino
 - 806 (46%) were diagnosed while residing in the HHSA Central Region
- 12,421 adult/adolescent male PLWHA in San Diego County through 12/31/2017
 - 5,999 (48%) were Non-Hispanic White
 - 6,429 (52%) resided in the HHSA Central Region
 - 11,069 (89%) among MSM group
 - 5,553 (50%) were Non-Hispanic White
 - 5,970 (54%) were 50+ years of age
 - 5,931 (54%) resided in HHSA Central Region

Adult/adolescent cases = HIV cases who were ≥ 13 years old at time of diagnosis

MSM = men who have sex with men

IDU = injection drug use

PLWHA = people living with HIV/AIDS



Number of Cumulative Adult/Adolescent Male HIV Diagnoses by Transmission Risk, San Diego County, 1980-2017



Transmission Category	Diagnosis Year Groups												Total	
	1980-1992		1993-1997		1998-2002		2003-2007		2008-2012		2013-2017			
	No.	(%)	No.	(%)	No.	(%)	No.	(%)	No.	(%)	No.	(%)	No.	(%)
MSM Group														
MSM only	6,612	(81)	2,368	(76)	2,046	(78)	2,146	(79)	2,049	(82)	1,658	(77)	16,879	(79)
MSM and IDU	955	(12)	413	(13)	285	(11)	255	(9)	133	(5)	104	(5)	2,145	(10)
Subtotal	7,567	(93)	2,781	(90)	2,331	(89)	2,401	(88)	2,182	(87)	1,762	(82)	19,024	(90)
Non-MSM														
IDU only	398	(5)	234	(8)	177	(7)	158	(6)	118	(5)	88	(4)	1,173	(6)
Heterosexual	48	(1)	60	(2)	87	(3)	142	(5)	150	(6)	190	(9)	677	(3)
Other	135	(2)	30	(1)	14	(1)	26	(1)	58	(2)	111	(5)	374	(2)
Subtotal	581	(7)	324	(10)	278	(11)	326	(12)	326	(13)	389	(18)	2,224	(10)
Total	8,148	(100)	3,105	(100)	2,609	(100)	2,727	(100)	2,508	(100)	2,151	(100)	21,248	(100)

Among adult/adolescent males diagnosed with HIV disease while residing in San Diego County, the most frequent transmission risk was from the MSM group (MSM and MSM+IDU). Over time, the number of HIV diagnoses among the MSM group and IDU have been decreasing while the heterosexual and other group have been increasing.

Number diagnosed with HIV disease while residing in San Diego County.
Other includes blood products, perinatal exposure, and unknown.



Number of Cumulative Adult/Adolescent Male HIV Diagnoses by Race/Ethnicity, San Diego County, 1980-2017



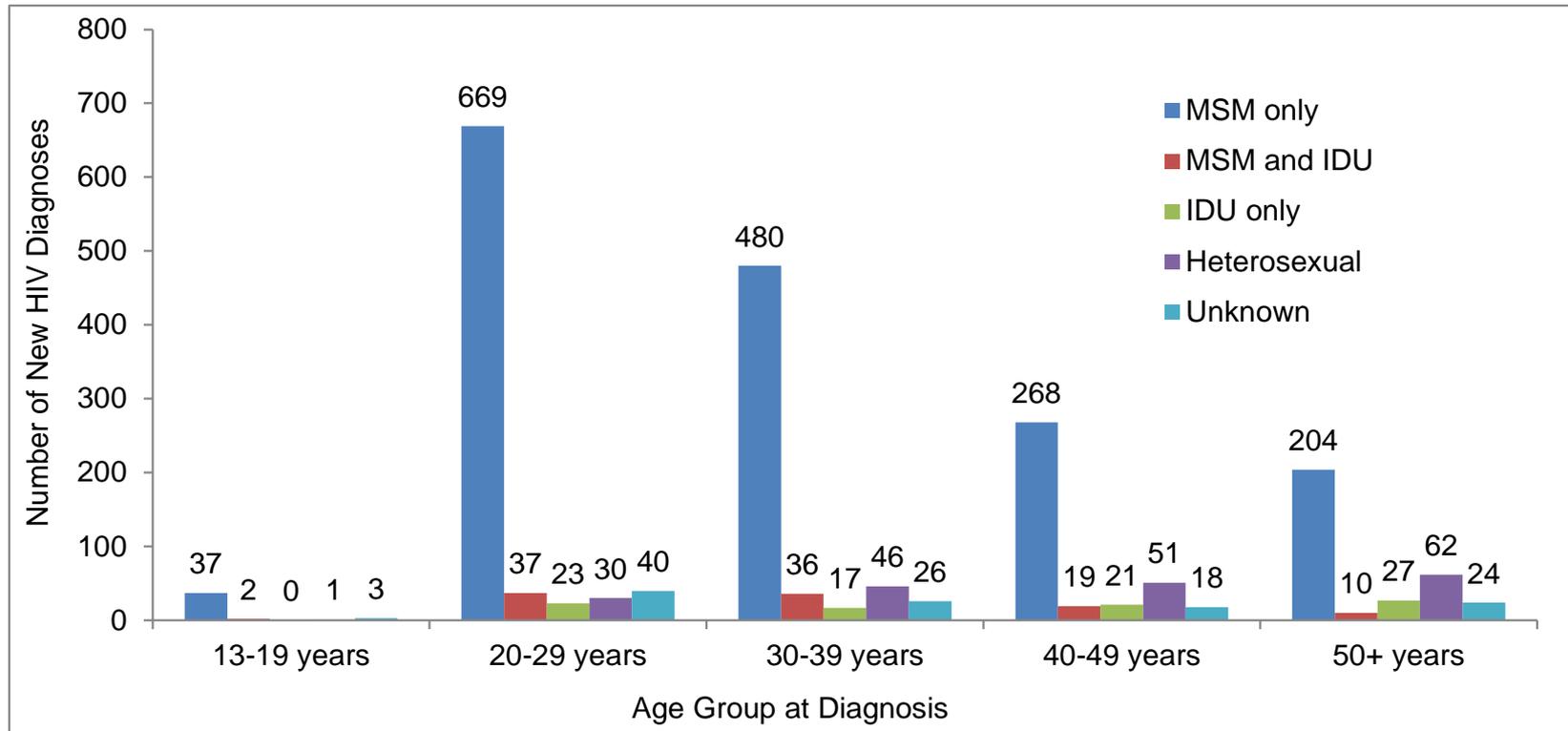
Race/Ethnicity	Transmission Category													
	MSM Group		MSM only		MSM and IDU		IDU only		Heterosexual		Other		Total	
	No.	(%)	No.	(%)	No.	(%)	No.	(%)	No.	(%)	No.	(%)	No.	(%)
Hispanic/Latino	5,143	(27)	4,700	(28)	443	(21)	384	(33)	278	(41)	120	(32)	5,925	(28)
Non-Hispanic White	11,096	(58)	9,774	(58)	1,322	(62)	476	(41)	194	(29)	177	(47)	11,943	(56)
Non-Hispanic Black/African American	1,913	(10)	1,620	(10)	293	(14)	281	(24)	177	(26)	57	(15)	2,428	(11)
Other	872	(5)	785	(5)	87	(4)	32	(3)	28	(4)	20	(5)	952	(4)
Total	19,024	(90)	16,879	(79)	2,145	(10)	1,173	(6)	677	(3)	374	(2)	21,248	(100)

Among adult/adolescent males diagnosed with HIV disease while residing in San Diego County, 90% were from the MSM group (MSM and MSM+IDU).

Number diagnosed with HIV disease while residing in San Diego County.
 Other race/ethnicity includes Non-Hispanic American Indian/Alaska Native, Asian, Native Hawaiian and Other Pacific Islander, multiple races, and unknown.
 Other transmission risk includes blood products, perinatal exposure, and unknown.



Number of Recent Adult/Adolescent Male HIV Diagnoses by Age and Transmission Risk, San Diego County, 2013-2017

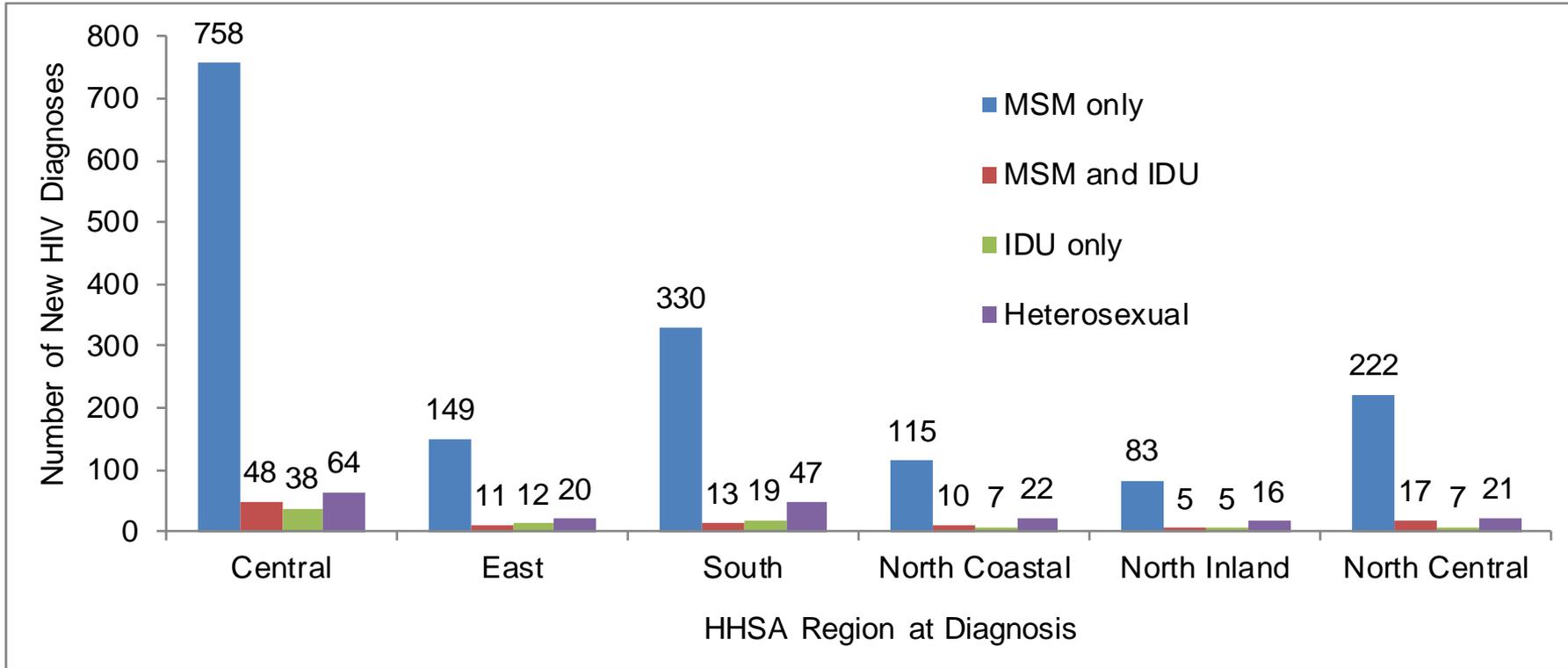


Of adult/adolescent males recently diagnosed with HIV disease, 1,762 (82%) were MSM only or MSM and IDU. Across all age groups, MSM only was the most common risk category, with 20-29 year old MSM only having the highest number.

Number diagnosed with HIV disease while residing in San Diego County.



Number of Recent Adult/Adolescent Male HIV Diagnoses by HHS Region and Transmission Risk Among, San Diego County, 2013-2017

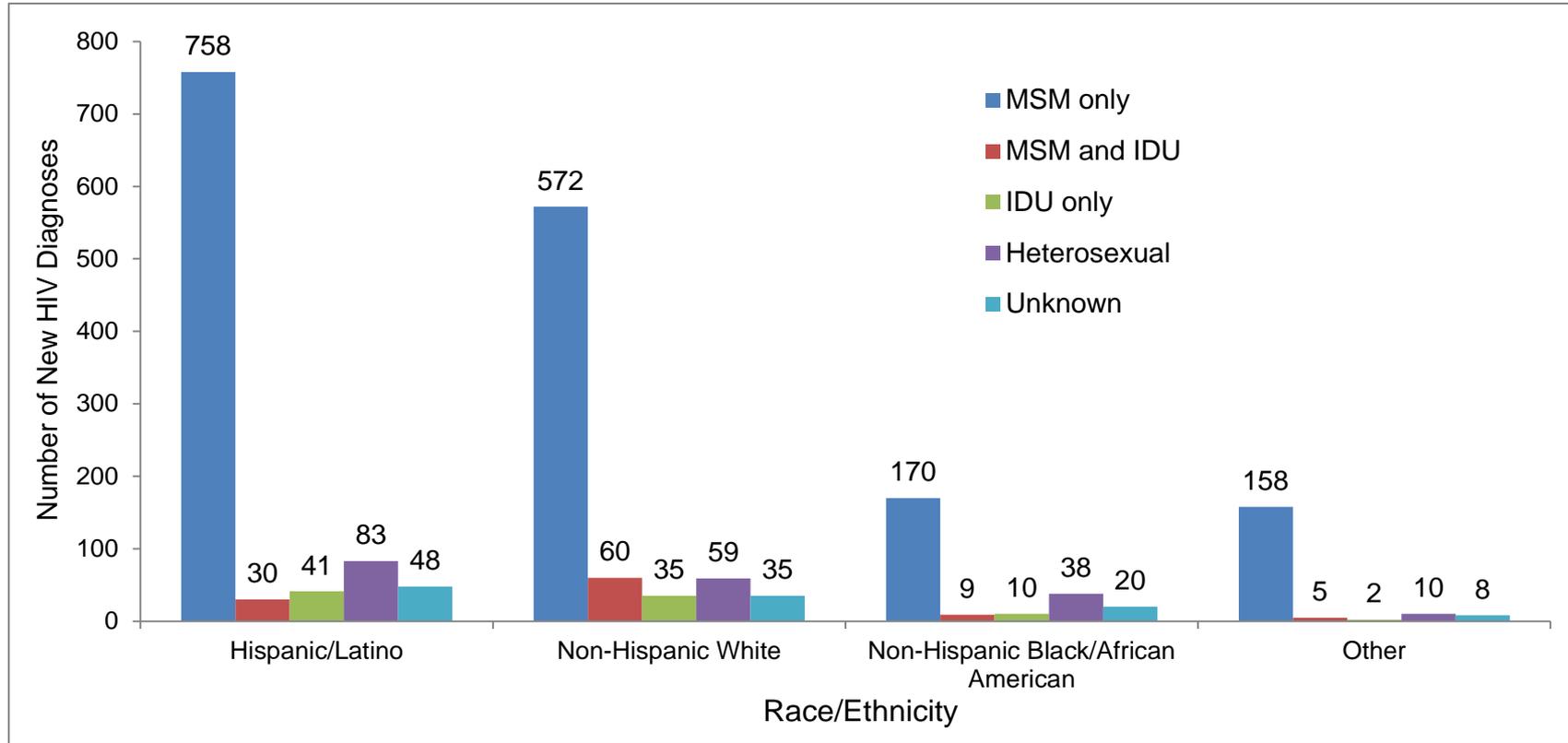


In all Regions, most recent adult/adolescent male HIV diagnoses were attributed to MSM transmission risk. Central region had the largest number of MSM diagnoses.

Number diagnosed with HIV disease while residing in San Diego County.
 Region at diagnosis unknown for one case.
 Transmission unknown for 111 cases.



Number of Recent Adult/Adolescent Male HIV Diagnoses by Race/Ethnicity and Transmission Risk, San Diego County, 2013-2017

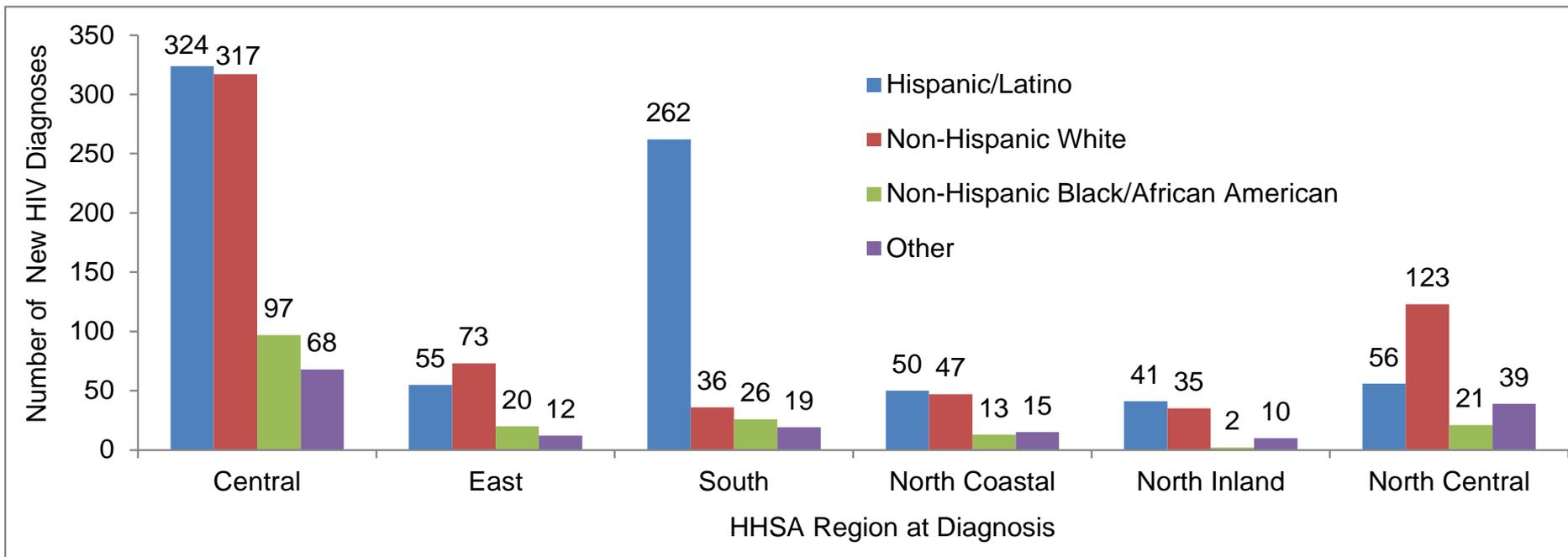


Of adult/adolescent males recently diagnosed with HIV disease, 1,330 (62%) were Hispanic/Latino or Non-Hispanic White MSM only. Across all races/ethnicities, MSM only was the most common risk category.

Number diagnosed with HIV disease while residing in San Diego County.
 Other includes Non-Hispanic American Indian/Alaska Native, Asian, Native Hawaiian and Other Pacific Islander, multiple races, and unknown.



Number of Recent HIV Diagnoses Among MSM¹ by HHS Region and Race/Ethnicity, San Diego County, 2013-2017



The largest number of MSM recent HIV diagnoses was among Hispanics/Latinos in the Central, South, North Coastal and North Inland Regions, whereas in the East and North Central Regions, the largest number was among Non-Hispanic Whites.

¹Includes MSM-only and MSM+IDU risk categories.

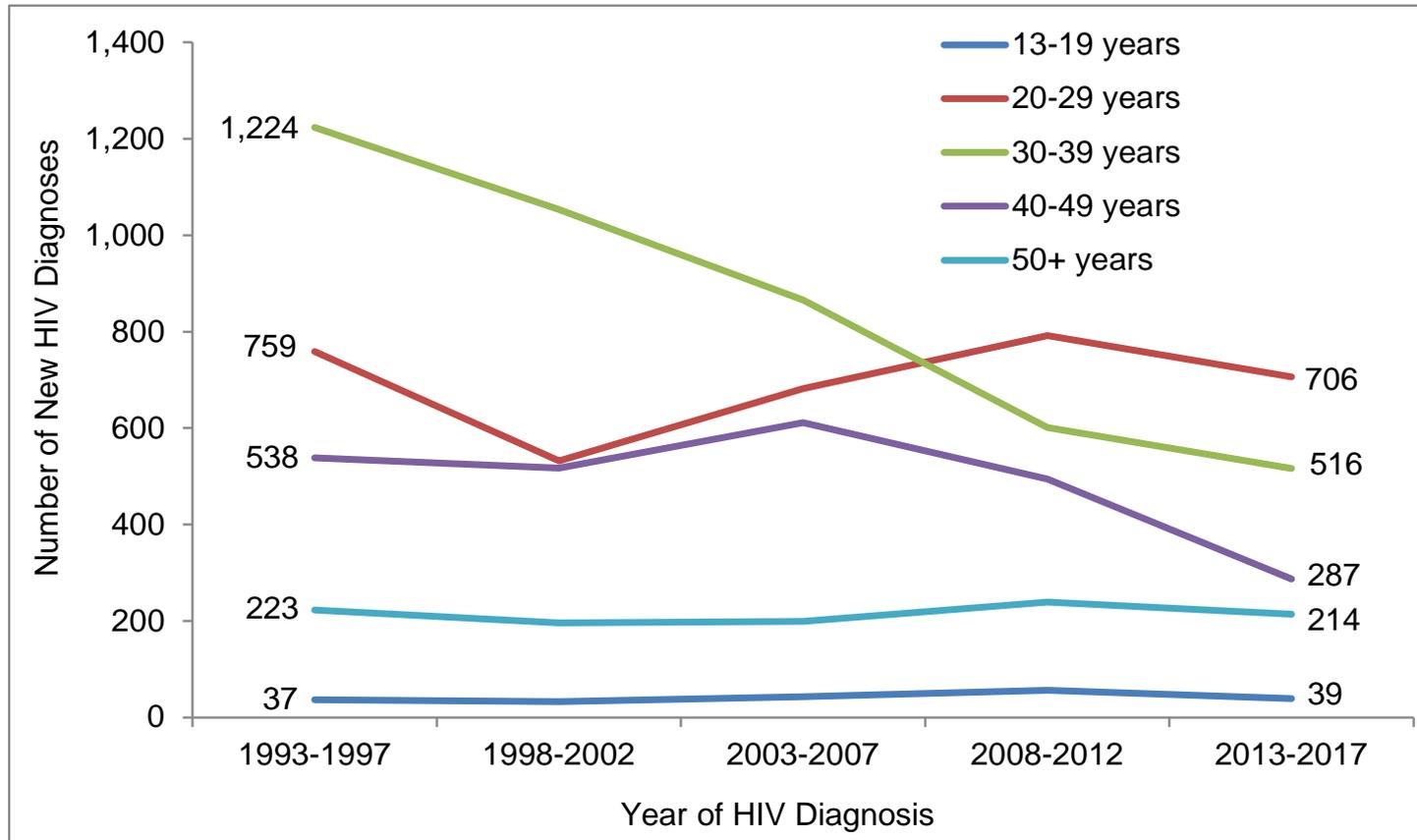
Number diagnosed with HIV disease while residing in San Diego County.

Other includes Non-Hispanic American Indian/Alaska Native, Asian, Native Hawaiian and Other Pacific Islander, multiple races, and unknown.

Region at diagnosis unknown for one case.



Number of HIV Diagnoses Among MSM¹ by Age at Diagnosis, San Diego County, 1993-2017

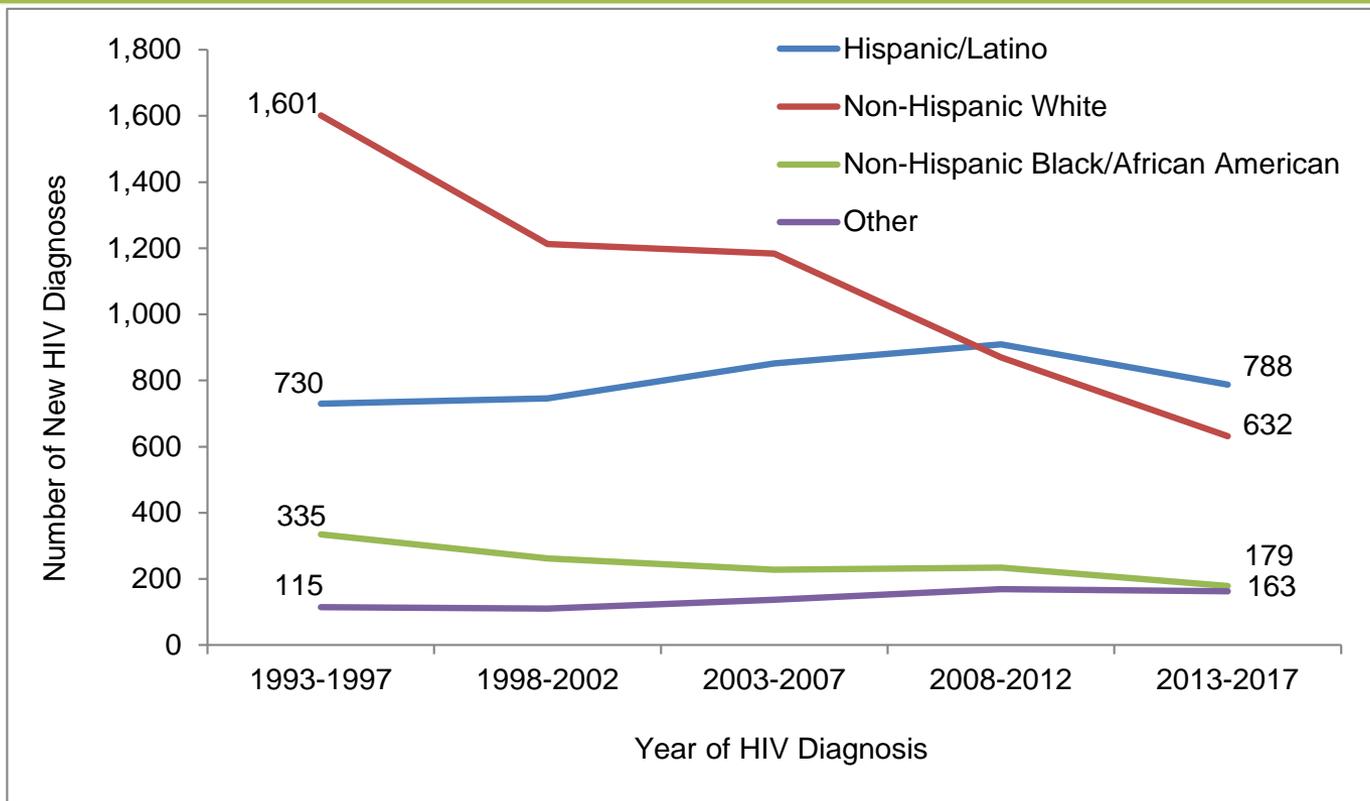


Since 1993-1997, HIV diagnoses have decreased among MSM ages 30-49 and have been relatively stable for MSM ages 13-29 years and 50+ years.

¹Includes MSM-only and MSM+IDU risk categories.
Number diagnosed with HIV disease while residing in San Diego County.



Number of HIV Diagnoses Among MSM¹ by Race/Ethnicity, San Diego County, 1993-2017



Since 1993-1997, HIV diagnoses decreased among Non-Hispanic White and Black/African American MSM. In the same time period, HIV diagnoses have been relatively stable for Hispanic MSM and increased among Other MSM.

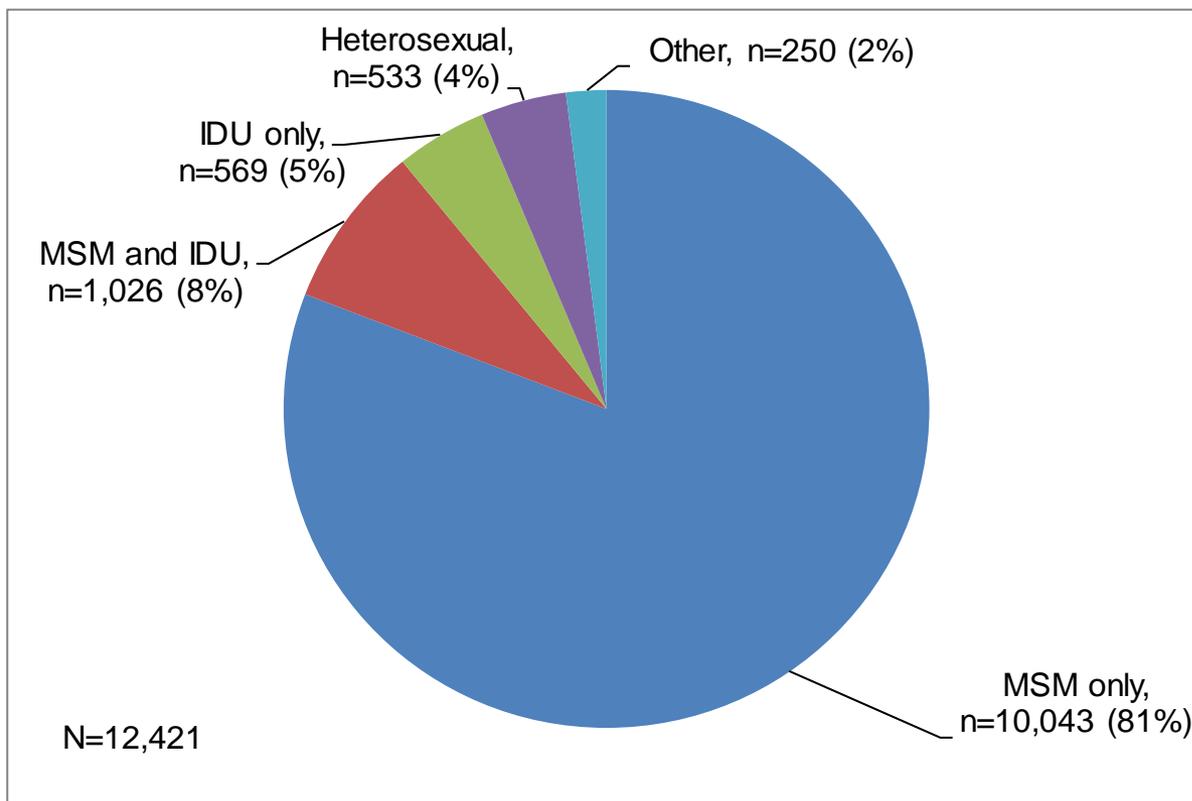
¹Includes MSM-only and MSM+IDU risk categories.

Number diagnosed with HIV disease while residing in San Diego County.

Other includes Non-Hispanic American Indian/Alaska Native, Asian, Native Hawaiian and Other Pacific Islander, multiple races, and unknown.



Number of Adult/Adolescent Male PLWHA by Transmission Risk, San Diego County, 2017



Among adult/adolescent male PLWHA, the most frequent transmission risk was from the MSM only group.

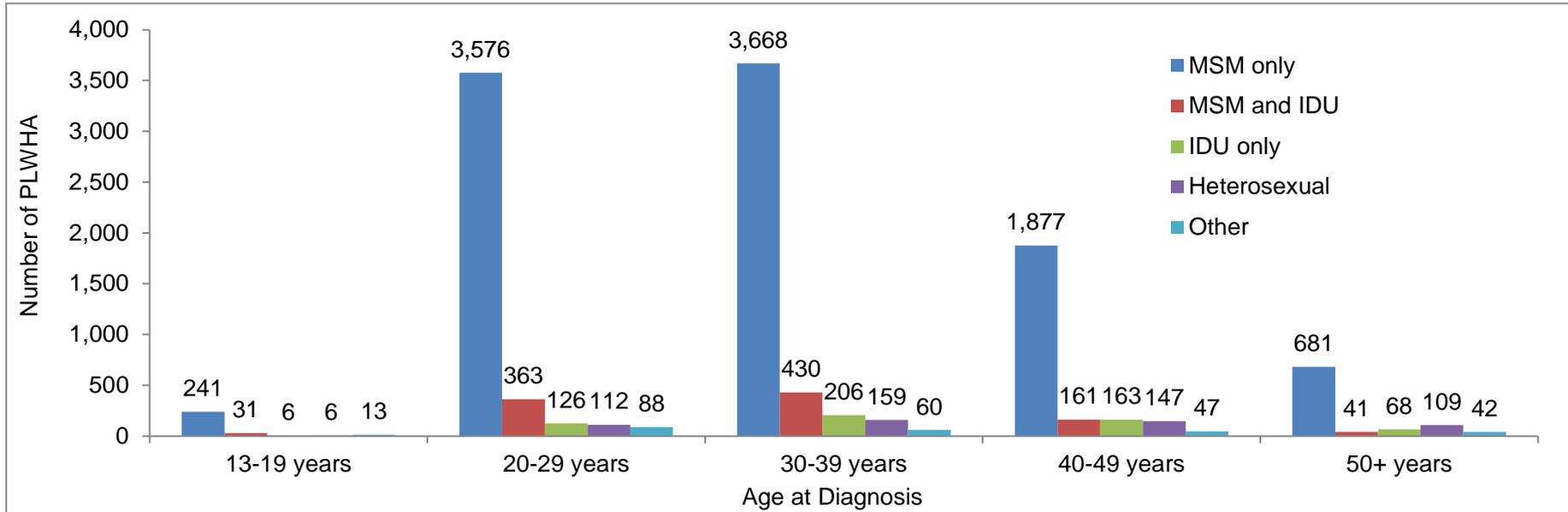
Adult/adolescent male PLWHA through 12/31/2017, last known to reside in San Diego County, regardless of residence at HIV and/or AIDS diagnoses.

Does not include males with perinatal exposure.

Other includes blood products and unknown.



Number of Adult/Adolescent Male PLWHA by Age at Diagnosis and Transmission Risk, San Diego County, 2017

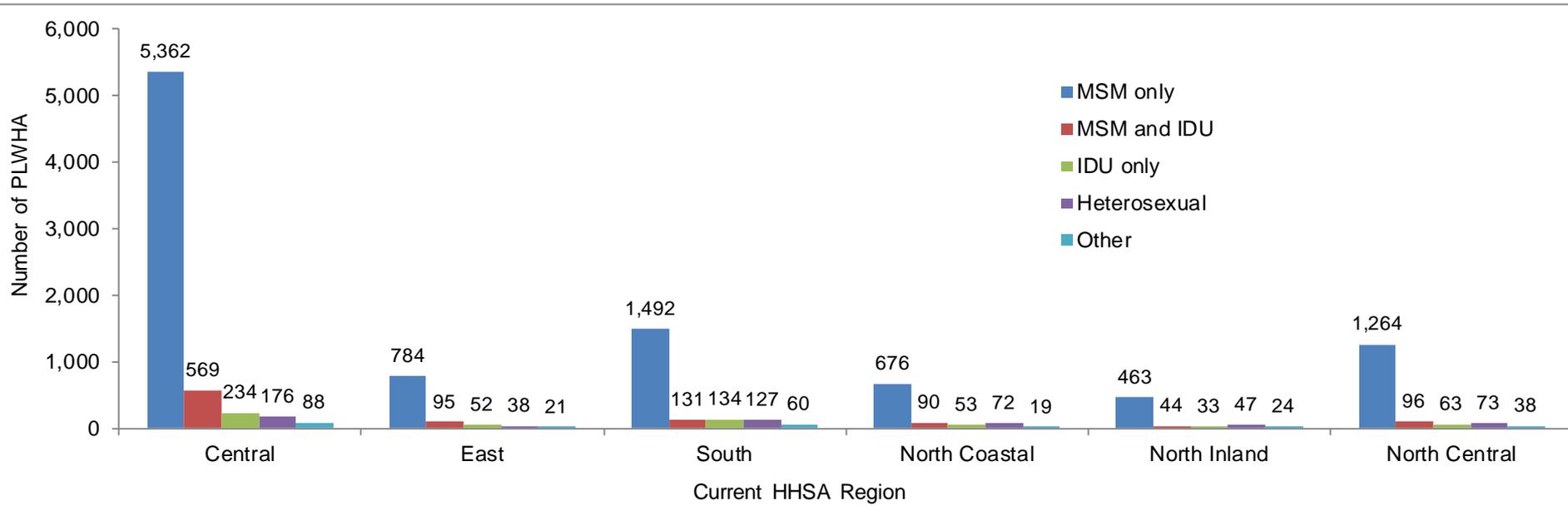


Of adult/adolescent male PLWHA, 58% were diagnosed at 20-39 years of age and were MSM only.

Adult/adolescent male PLWHA through 12/31/2017, last known to reside in San Diego County, regardless of residence at HIV and/or AIDS diagnoses.
 Does not include males with perinatal exposure.
 Other transmission risk includes blood products and unknown.



Number of Adult/Adolescent Male PLWHA by Current HHS Region and Transmission Risk, San Diego County, 2017

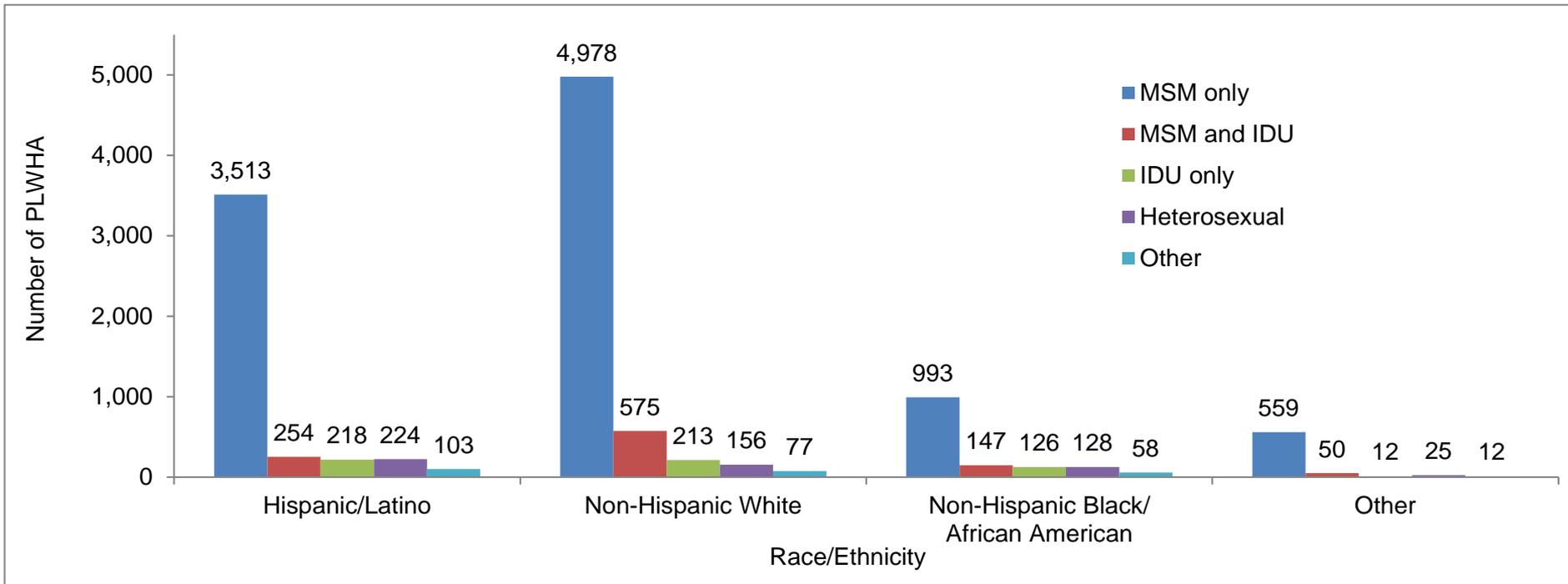


In San Diego County, 81% of adult/adolescent male PLWHA were attributed to MSM only transmission risk. Central region had 52% of all adult/adolescent male PLWHA.

Adult/adolescent male PLWHA through 12/31/2017, last known to reside in San Diego County, regardless of residence at HIV and/or AIDS diagnoses. Does not include males with perinatal exposure. Other transmission risk includes blood products and unknown. Current region unknown for three cases.



Number of Adult/Adolescent Male PLWHA by Race/Ethnicity and Transmission Risk, San Diego County, 2017



Across all adult/adolescent male PLWHA, 68% were Hispanic/Latino or Non-Hispanic White MSM only. Across all races/ethnicities, MSM only was the most common risk category.

Adult/adolescent male PLWHA through 12/31/2017, last known to reside in San Diego County, regardless of residence at HIV and/or AIDS diagnoses.

Does not include males with perinatal exposure.

Other race includes Non-Hispanic American Indian/Alaska Native, Asian, Native Hawaiian and Other Pacific Islander, and multiple races.

Other transmission risk includes blood products and unknown.



Number of MSM¹ PLWHA by Race/Ethnicity, Age, and HHS Region, San Diego County, 2017



	No.	(%)
Race/Ethnicity		
Hispanic/Latino	3,767	(34)
Non-Hispanic White	5,553	(50)
Non-Hispanic Black/African American	1,140	(10)
Other	609	(6)
Current Age Group		
13-19 years	7	(<1)
20-29 years	739	(7)
30-39 years	1,817	(16)
40-49 years	2,536	(23)
50+ years	5,970	(54)
Current HHS Region		
Central	5,931	(54)
East	879	(8)
South	1,623	(15)
North Coastal	766	(7)
North Inland	507	(5)
North Central	1,360	(12)
Unknown	3	(<1)
Total	11,069	(100)

The largest number of MSM PLWHA were Non-Hispanic White (50%), 50+ years (54%), and lived in the Central Region (54%).

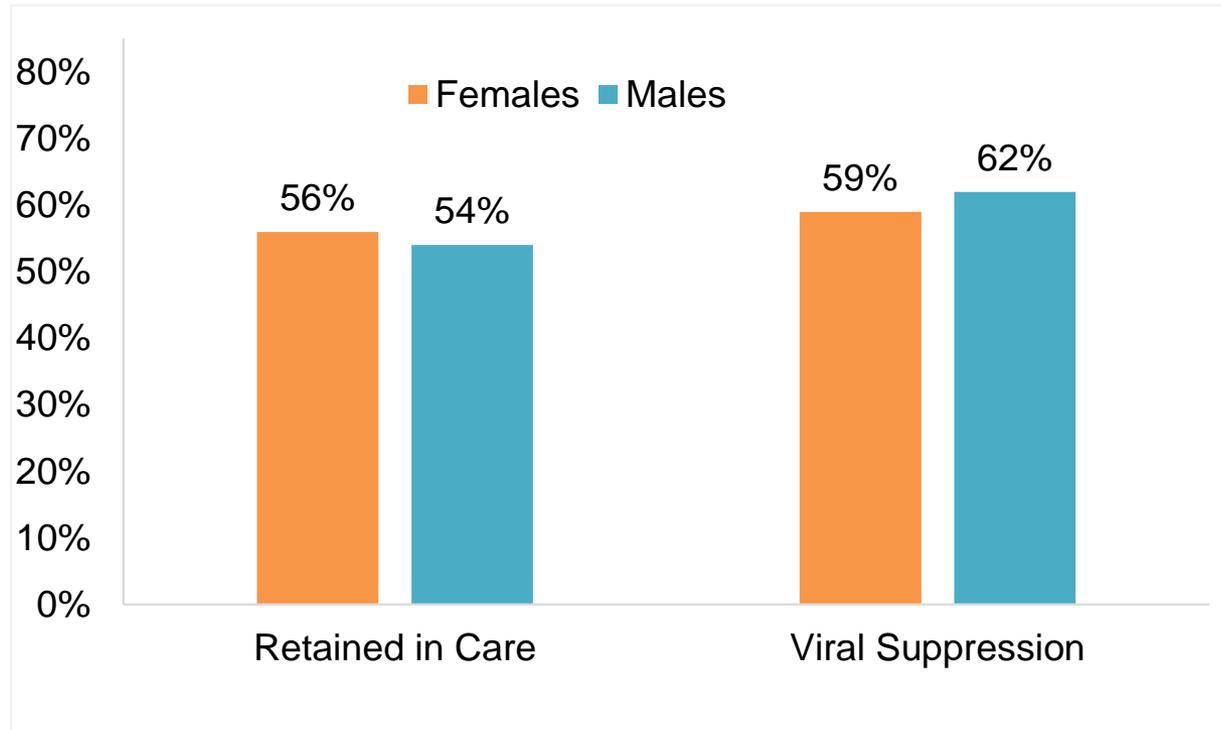
¹Includes MSM-only and MSM+IDU risk categories.

Adult/adolescent male PLWHA through 12/31/2017, last known to reside in San Diego County, regardless of residence at HIV and/or AIDS diagnoses.

Does not include males with perinatal exposure. Other includes Non-Hispanic American Indian/Alaska Native, Asian, Native Hawaiian and Other Pacific Islander, and multiple races.



Retained in Care and Viral Suppression, San Diego County, 2017



Males and females share similar percentages for retained in care and viral suppression.

Female PLWHA diagnosed with HIV infection through 12/31/2016 and living through 12/31/2017, excluding military diagnoses, last known to reside in San Diego County, regardless of residence at HIV and/or AIDS diagnoses.

Male PLWHA diagnosed with HIV infection through 12/31/2016 and living through 12/31/2017, excluding military diagnoses, last known to reside in San Diego County, regardless of residence at HIV and/or AIDS diagnoses.

Retained in Care defined as \geq two CD4 or viral load tests at least three months apart during calendar year 2017. Viral suppression defined as <200 copies/mL at most recent test during calendar year 2017.



Appendix 1: Definitions and Acronyms



Adult/Adolescent Cases: HIV cases who were ≥ 13 years old at time of diagnosis

IDU: Injection Drug Use

Males: Male sex at birth

Transmission Risk: The way in which a communicable disease is passed from one person to another. In describing HIV, it identifies how an individual may have been exposed to HIV, such as having injected drugs, or homosexual or heterosexual contact.

MSM: Men who have sex with men

PLWHA: People Living with HIV/AIDS

Year of Diagnosis: The earliest known year in which an individual met the CDC case definition for HIV disease



Appendix 2: HHSA Regions and Zip Codes



Central: 92101, 92102, 92103, 92104, 92105, 92113, 92114, 92115, 92116, 92132, 92134, 92136, 92139, 92112, 92162, 92163, 92164, 92165, 92170, 92175, 92176, 92186, 92191, 92194, 92186, 92191, 92194, 92199, 92152, 92158, 92181, 92187, 92191, 92194, and 92195

East: 91901, 91905, 91906, 91916, 91917, 91931, 91934, 91935, 91941, 91942, 91945, 91948, 91962, 91963, 91977, 91978, 91980, 92019, 92020, 92021, 92040, 92071, 91944, 92090, 91946, and 92090

North Central: 92037, 92106, 92107, 92108, 92109, 92110, 92111, 92117, 92119, 92120, 92121, 92122, 92123, 92124, 92126, 92130, 92131, 92133, 92140, 92142, 92145, 92138, 92147, 92166, 92168, 92171, 92172, 91990, 92193, 92196, 92177, and 92147

North Coastal: 92007, 92008, 92009, 92013, 92014, 92024, 92051, 92052, 92054, 92055, 92056, 92057, 92067, 92013, 92058, 92068, 92075, 92077, 92081, 92083, 92084, 92672, 92092, 92093, 92169, 92161, 92038, 92137, 92078, 92091, 92199, 92096, 92013, 92078, 92091, 92077, 92081, 92008, 92058, and 92096

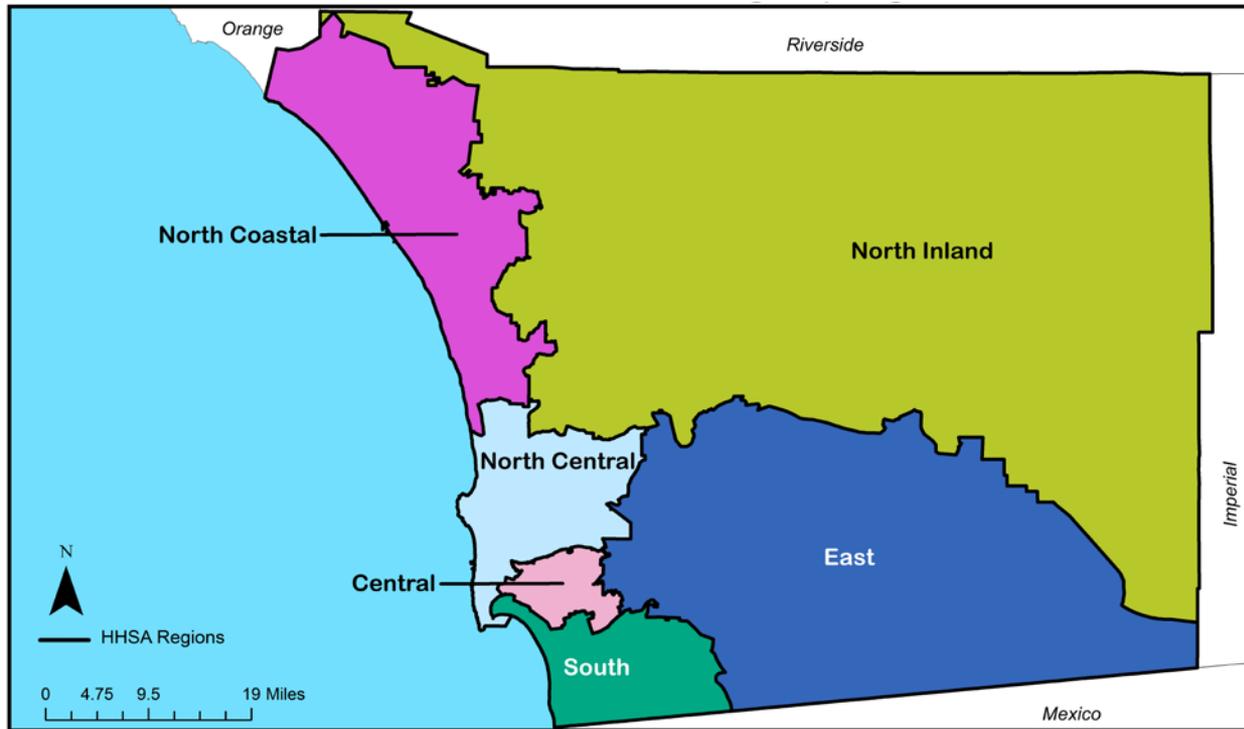
North Inland: 92003, 92004, 92025, 92026, 92027, 92028, 92029, 92036, 92059, 92060, 92061, 92064, 92065, 92066, 92069, 92070, 92082, 92086, 92127, 92128, 92129, 92259, 92390, 92536, 92592, 92046, 92198, 92190, and 92079

South: 91902, 91910, 91911, 91913, 91914, 91915, 91932, 91950, 92010, 92011, 92118, 91921, 91990, 92135, 92154, 92155, 92173, 92179, 91909, 91912, 92143, 91951, 91933, 92073, 92050, 92153, 92158, 91921, and 91990

P.O. Boxes incorporated in enclosing zip codes. For homeless cases, used zip code of facilities reporting HIV disease diagnosis.



Appendix 3: Map of HHSA Regions



HHSA region layer from SanGIS.
Map Date: 05.18.2018
County of San Diego, HHSA, Epidemiology Program



CONTACT INFORMATION



Epidemiology & Immunization Services
HIV Epidemiology Unit (HEU)
3851 Rosecrans Street, MS P577
San Diego, CA 92110

Phone: (619) 692-8545
Fax: (619) 692-8427

www.sdhivaid.org



On May 17, 2016, the County of San Diego Health and Human Services Agency Division of Public Health Services received accreditation from the Public Health Accreditation Board.