



HIV EPIDEMIOLOGY ANNUAL REPORT 2021

September 26, 2022

Sharon Pipkin, MPH
HIV Epidemiology Section
sharon.pipkin@sfdph.org



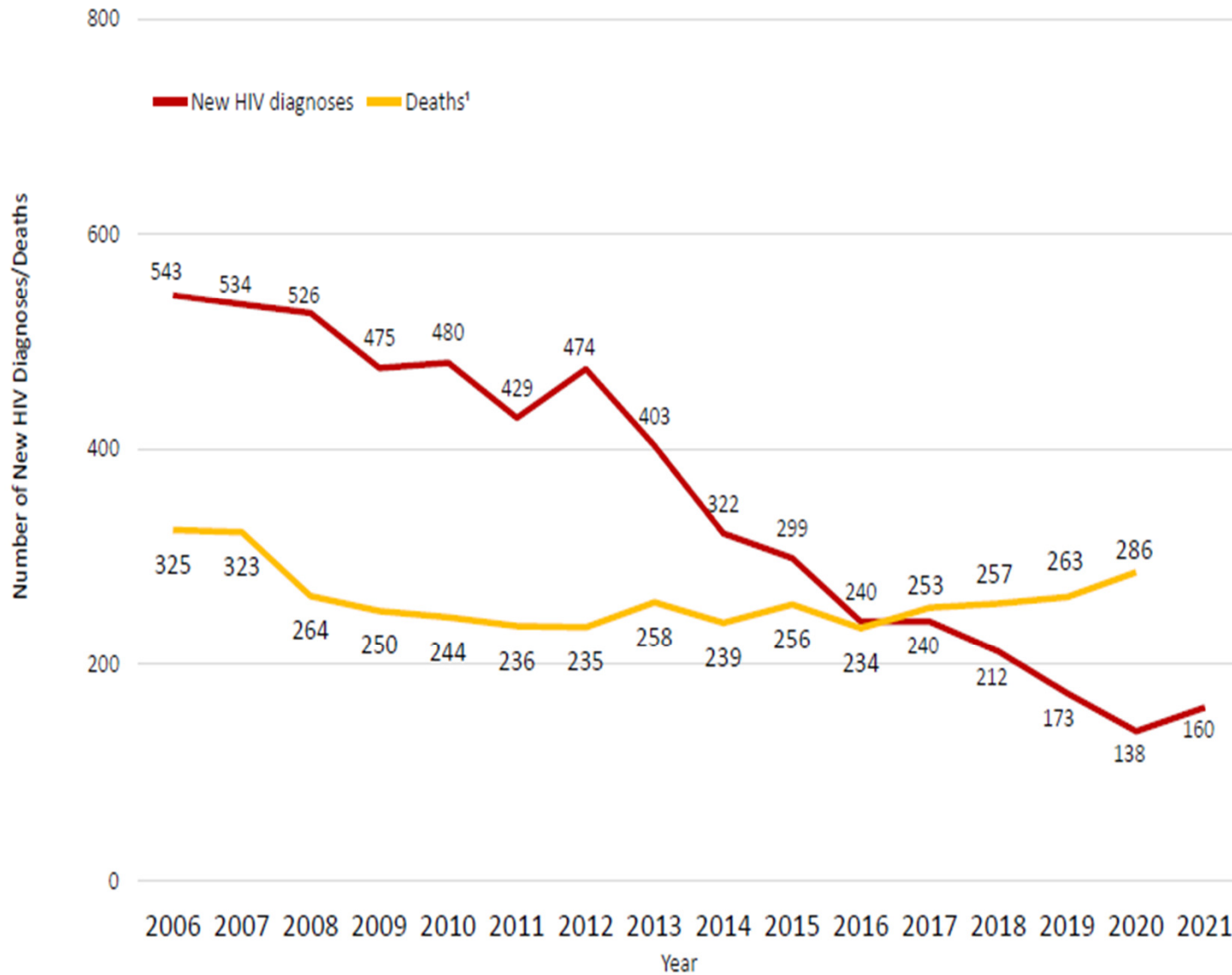
POPULATION HEALTH DIVISION
SAN FRANCISCO DEPARTMENT OF PUBLIC HEALTH

Outline

- New diagnosis trends
- Focus populations: Older Persons with HIV and Trans Women
- HIV care continuum
- Survival time after stage 3
- Mortality trends
- HIV Pre-exposure prophylaxis (PrEP) care continuum



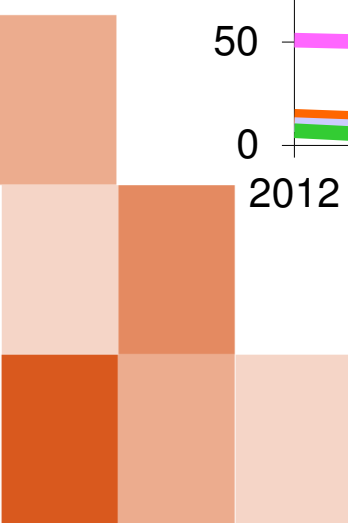
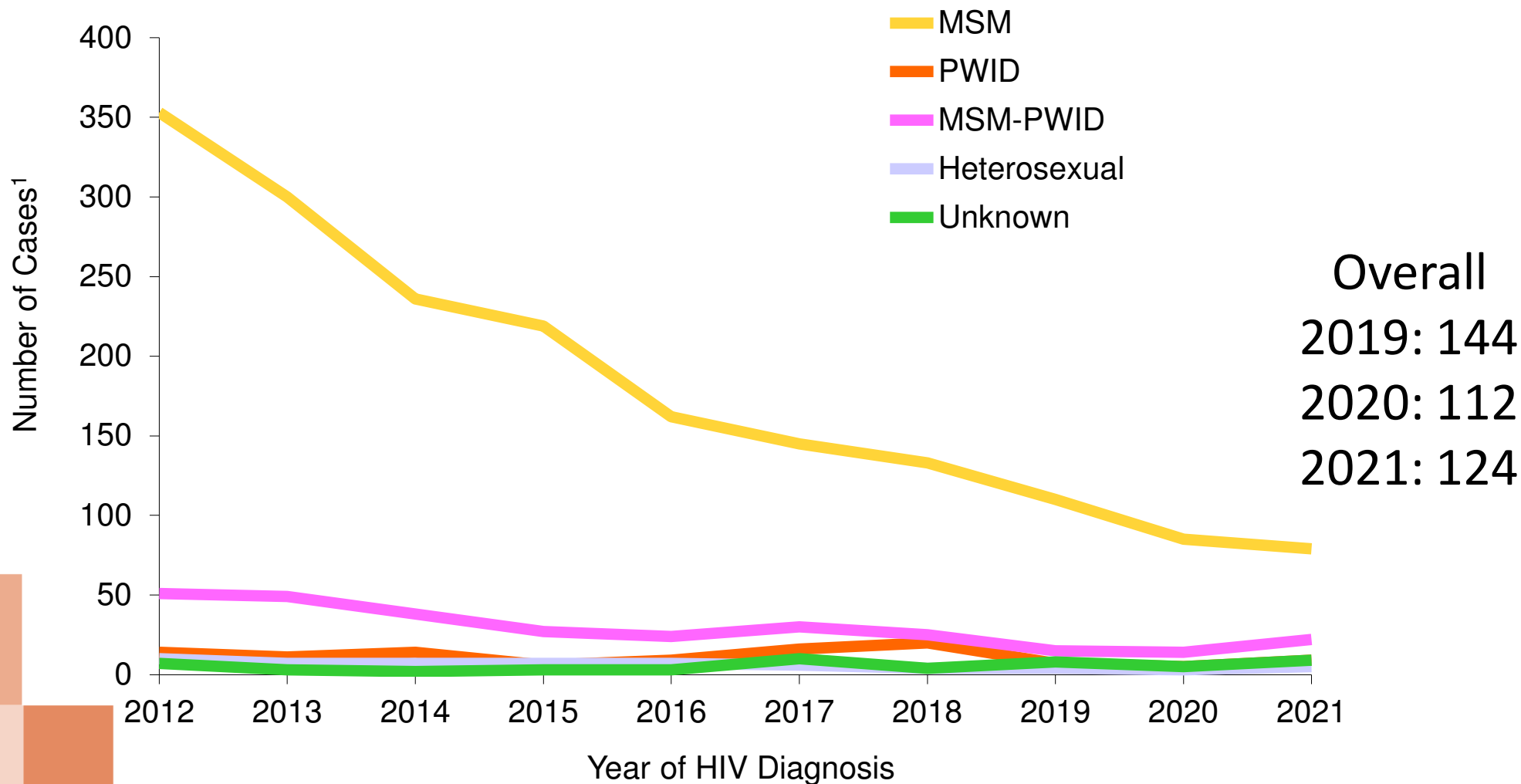
HIV Diagnoses, Deaths, 2006-2021



- Fluctuation in new diagnoses
 - 2020-2021: +16%
 - 2019-2020: -20%
 - 2019-2021: -8%
- Deaths increasing
 - HIV-related causes continued to decline
- 11,631 PLWH received care in SF in 2021



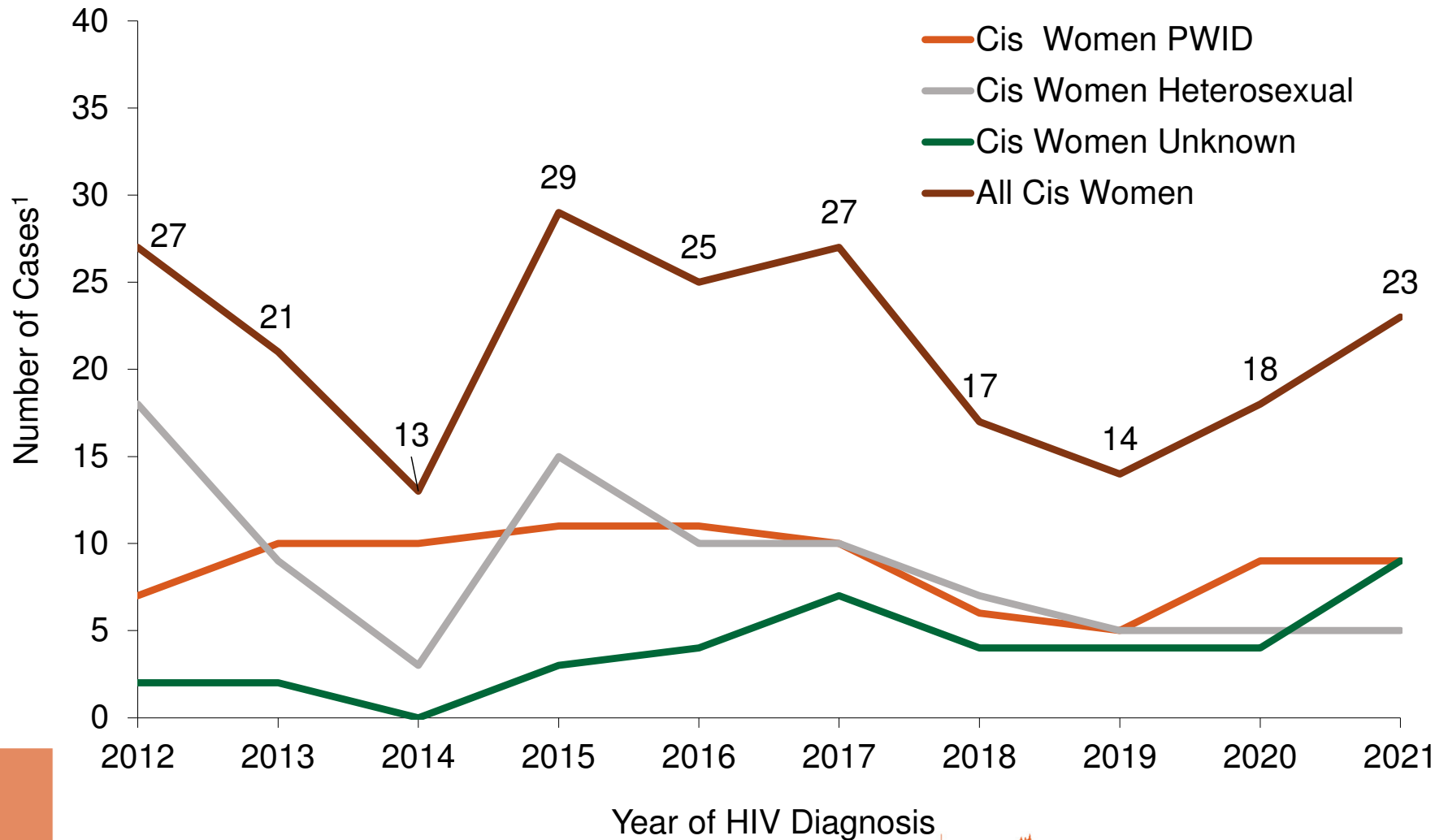
Diagnosis Trends among Cis Men by Transmission Category



Does not include trans persons



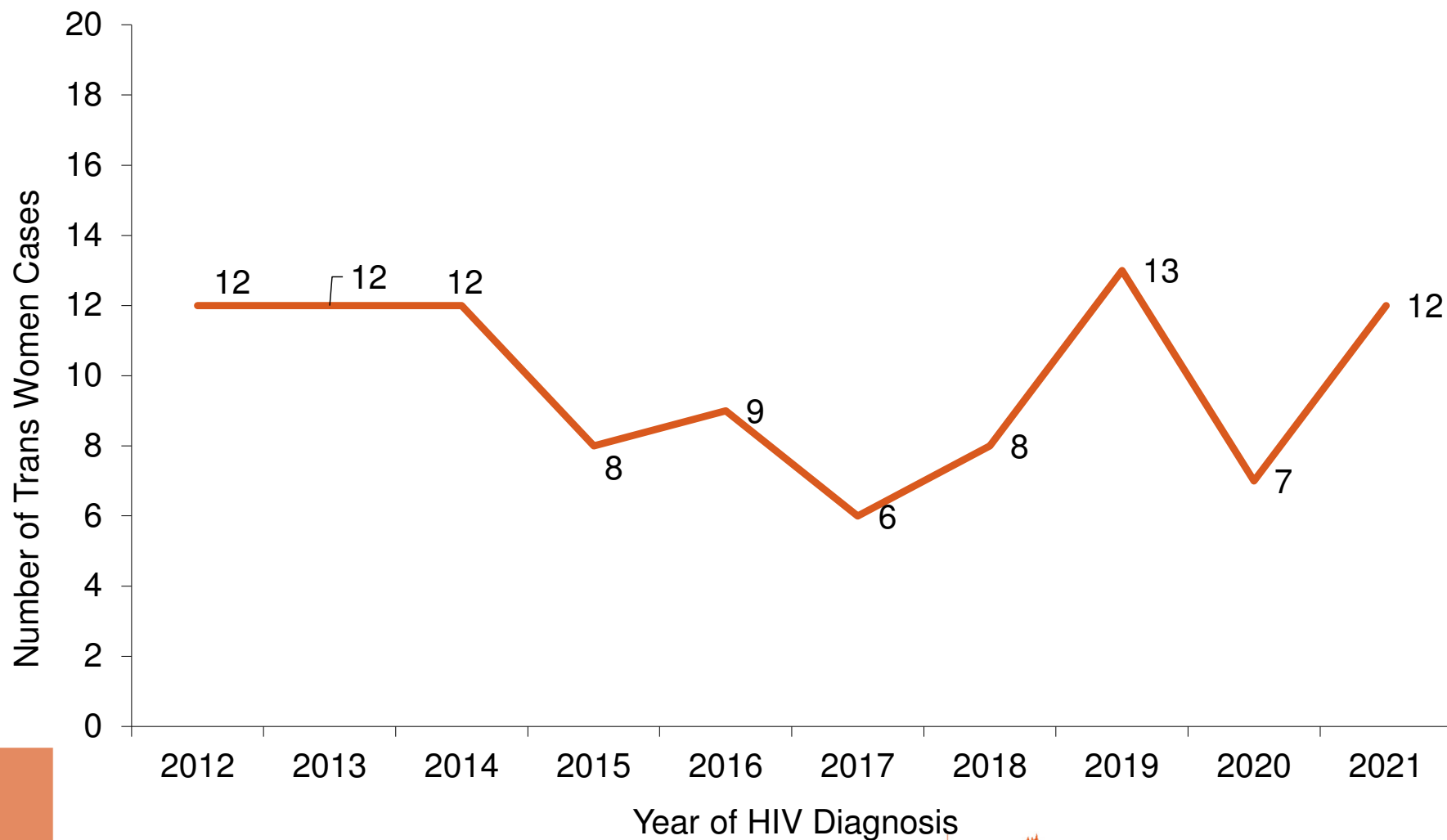
Diagnosis Trends among Cis Women by Transmission Category



Does not include trans persons

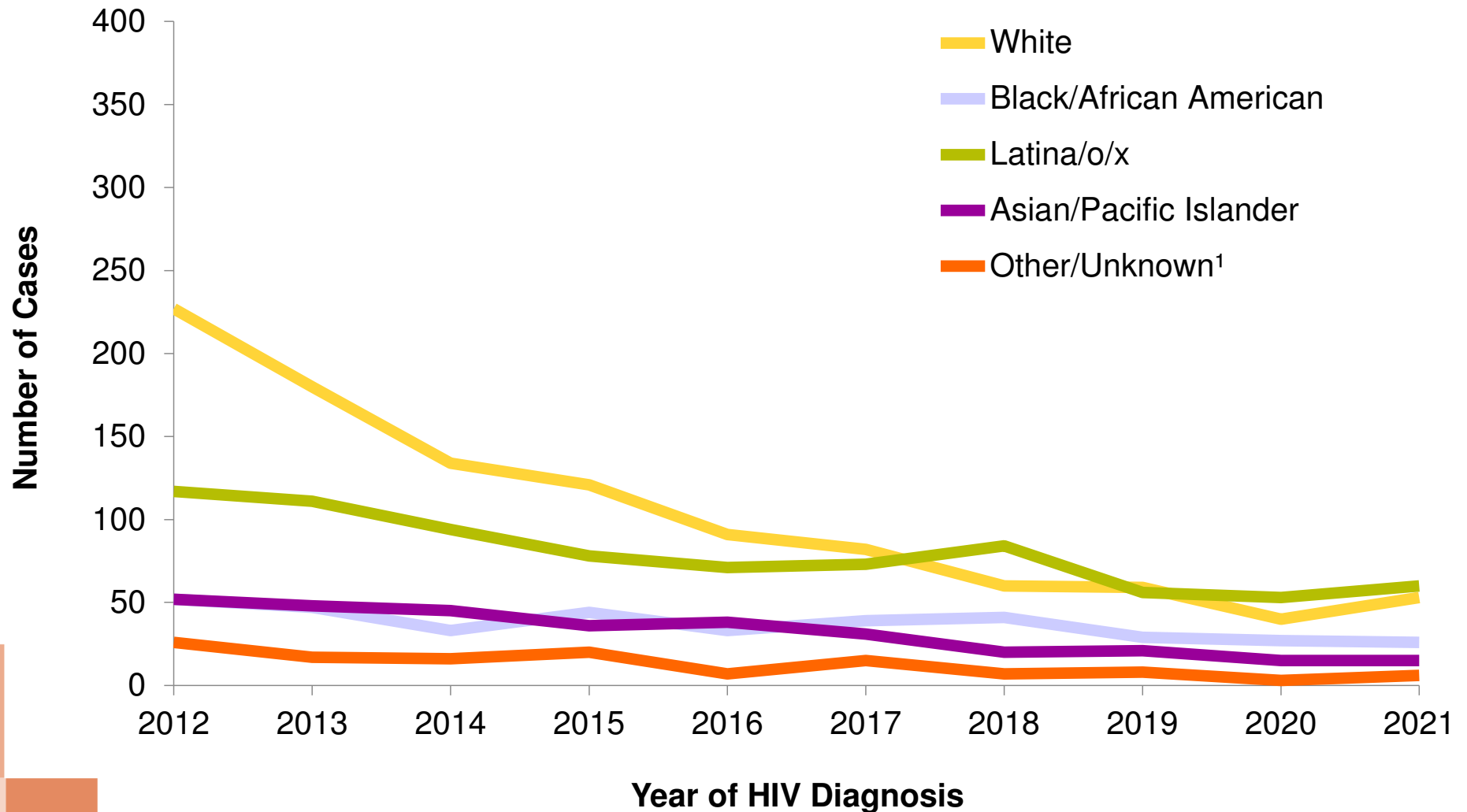


Diagnosis Trend among Trans Women

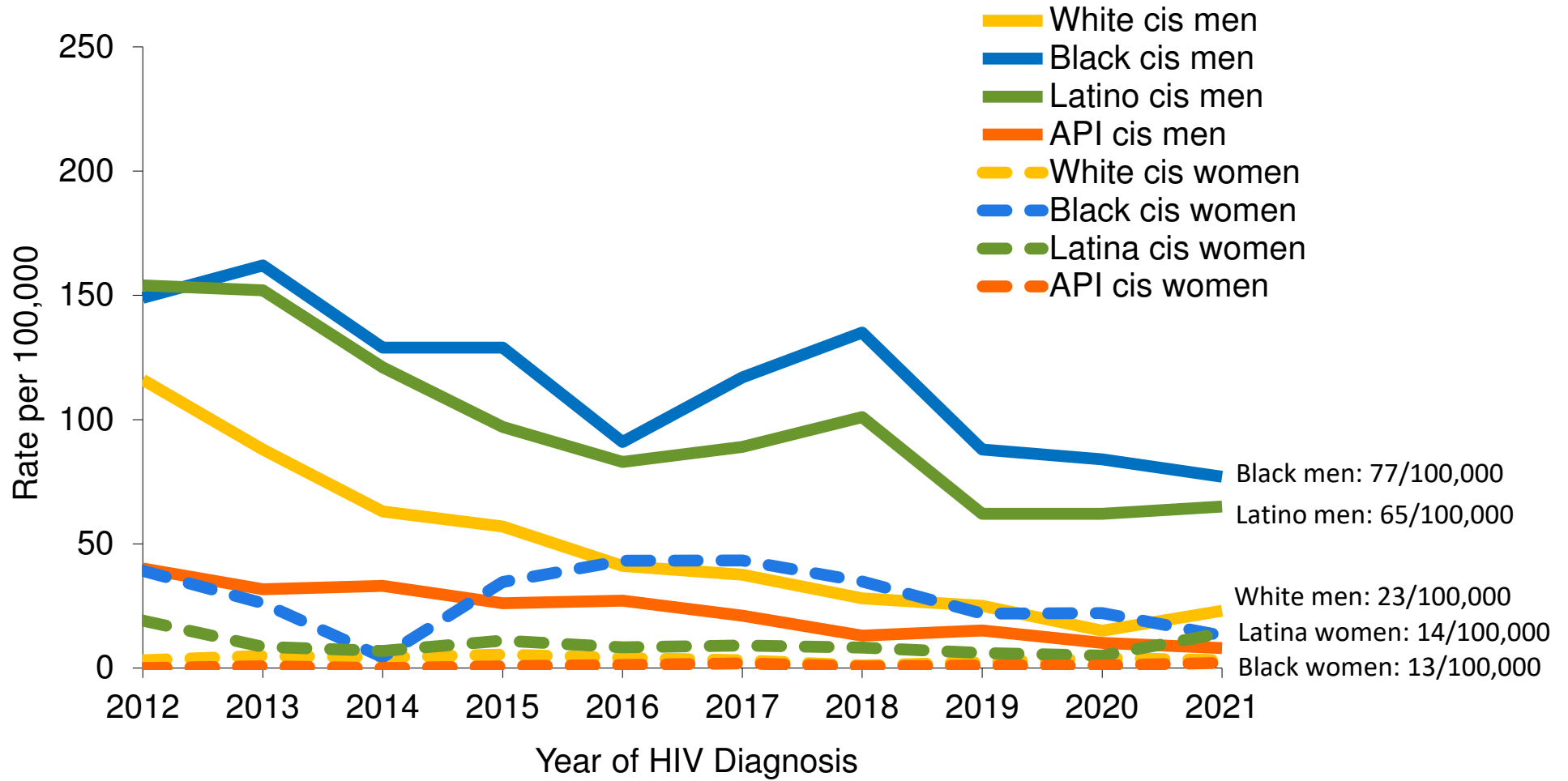


POPULATION HEALTH DIVISION
SAN FRANCISCO DEPARTMENT OF PUBLIC HEALTH

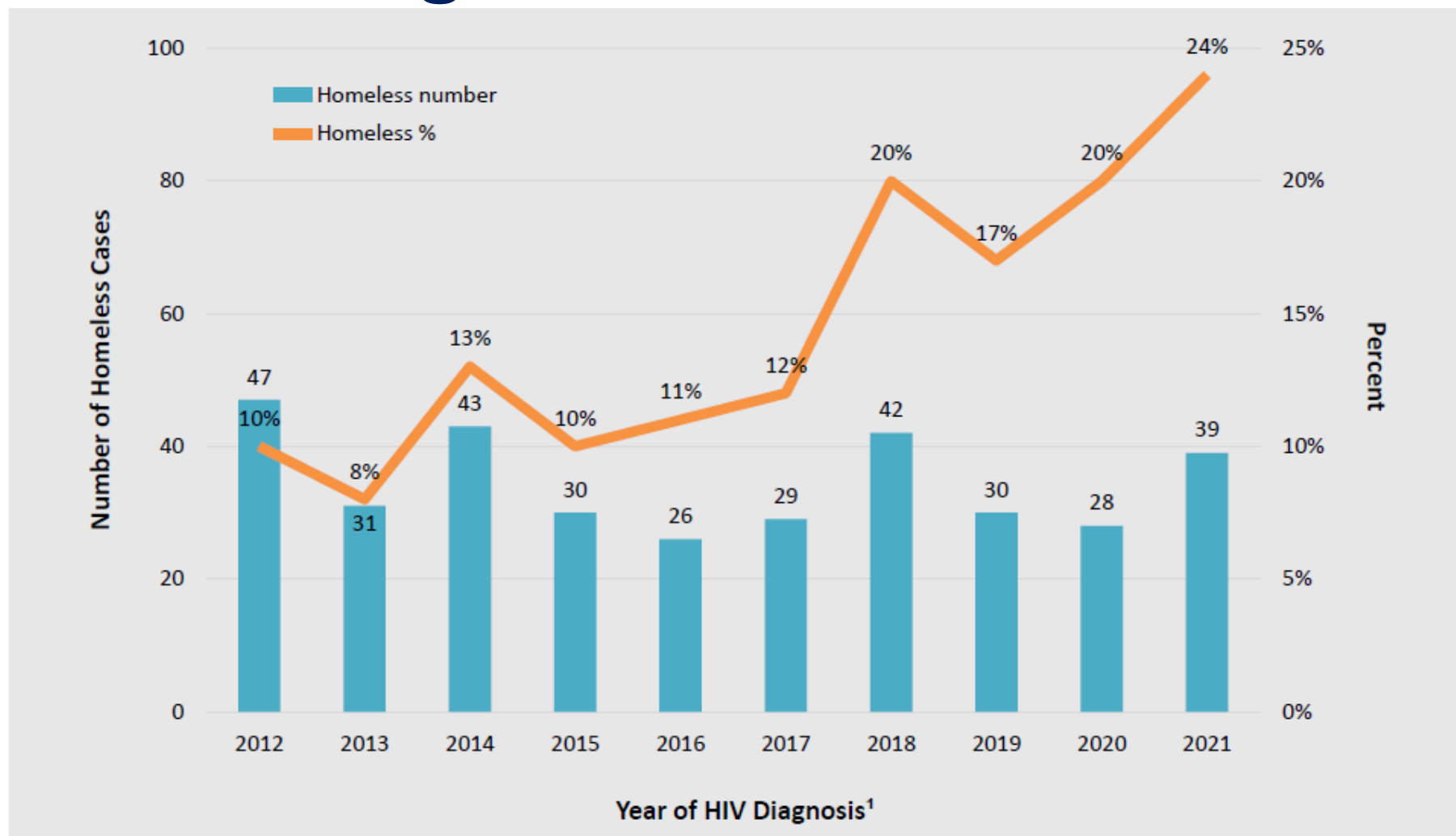
Diagnosis Trends by Race/ethnicity ⁷



Annual Rates of HIV Diagnosis by Gender and Race/Ethnicity



Number and Percent Homeless* at Diagnosis, 2012-2021



¹ Includes persons with HIV by year of their initial HIV diagnosis. See Technical Notes “Date of Initial HIV Diagnosis.”



POPULATION HEALTH DIVISION
SAN FRANCISCO DEPARTMENT OF PUBLIC HEALTH

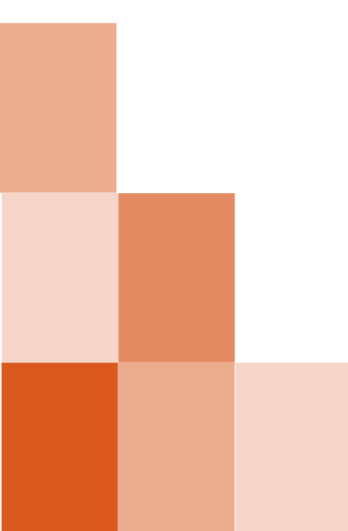
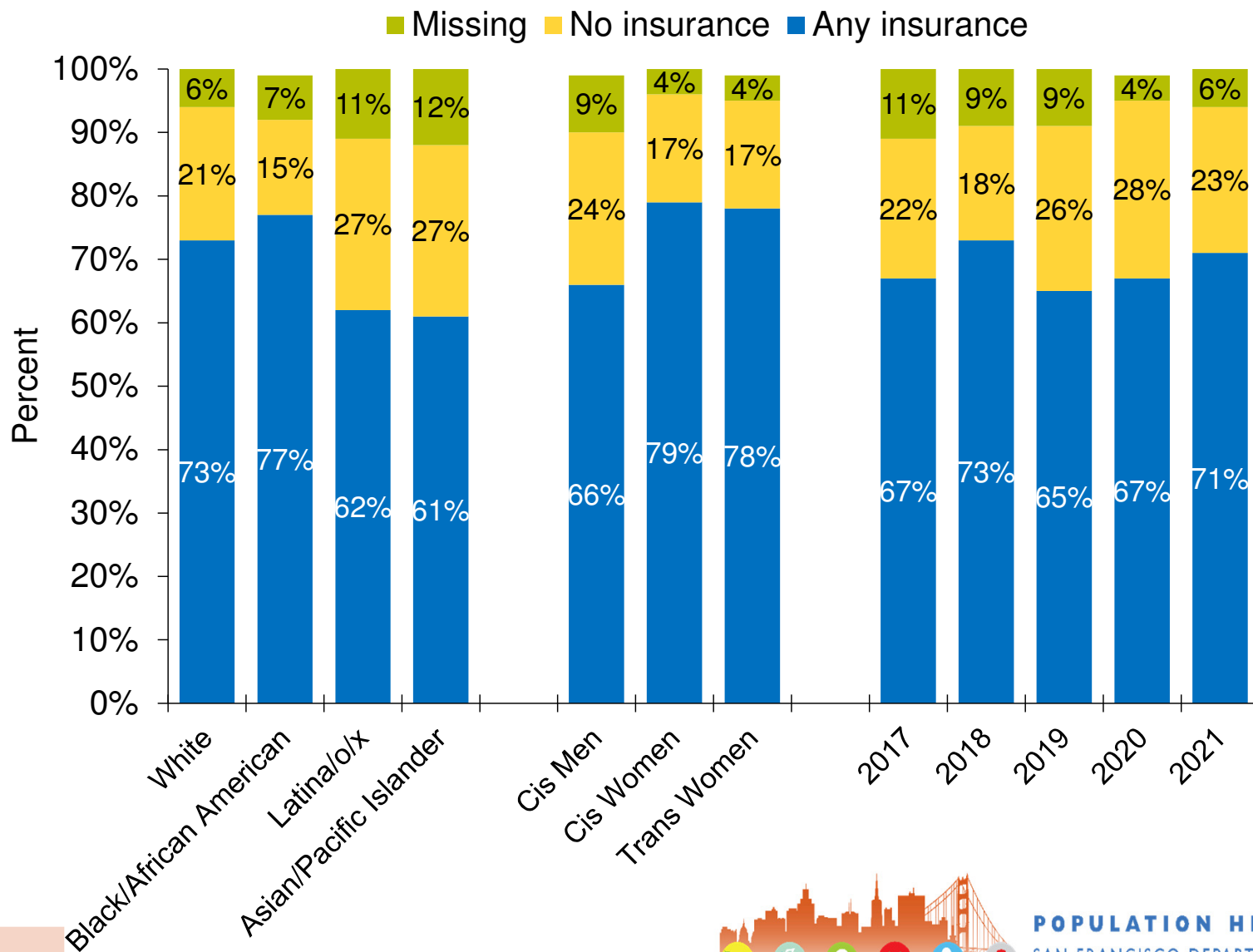
*address at time of diagnosis was indicated “homeless”, “unsheltered”, or homeless shelter.

Persons Experiencing Homelessness Compared to Non-Homeless Diagnosed with HIV, 2012-2021

		New HIV Diagnoses, 2012-2021	
		Homeless	Non-Homeless
		Number (%)	
Total		345	2,316
Gender¹	Cis Men	271 (79)	2,071 (89)
	Cis Women	51 (15)	163 (7)
	Trans Women	23 (7)	76 (3)
Race/Ethnicity	White	133 (39)	914 (39)
	Black/African American	83 (24)	288 (12)
	Latina/o/x	95 (28)	702 (30)
	Asian/Pacific Islander	10 (3)	311 (13)
	Other/Unknown	24 (7)	101 (4)
Transmission Category	MSM	108 (31)	1,714 (74)
	TWSM & TWSM-PWID	21 (6)	76 (3)
	PWID	94 (27)	109 (5)
	MSM-PWID	86 (25)	209 (9)
	Heterosexual	20 (6)	127 (5)
	Other/Unidentified	16 (5)	81 (3)
Age at Diagnosis (Years)	13 - 24	39 (11)	313 (14)
	25 - 29	64 (19)	444 (19)
	30 - 39	121 (35)	711 (31)
	40 - 49	74 (21)	513 (22)
	50+	47 (14)	335 (14)

¹ Data on trans men are not released separately due to small numbers. See Technical Notes "Gender Status."

Health Insurance Status at Diagnosis, 2017-2021

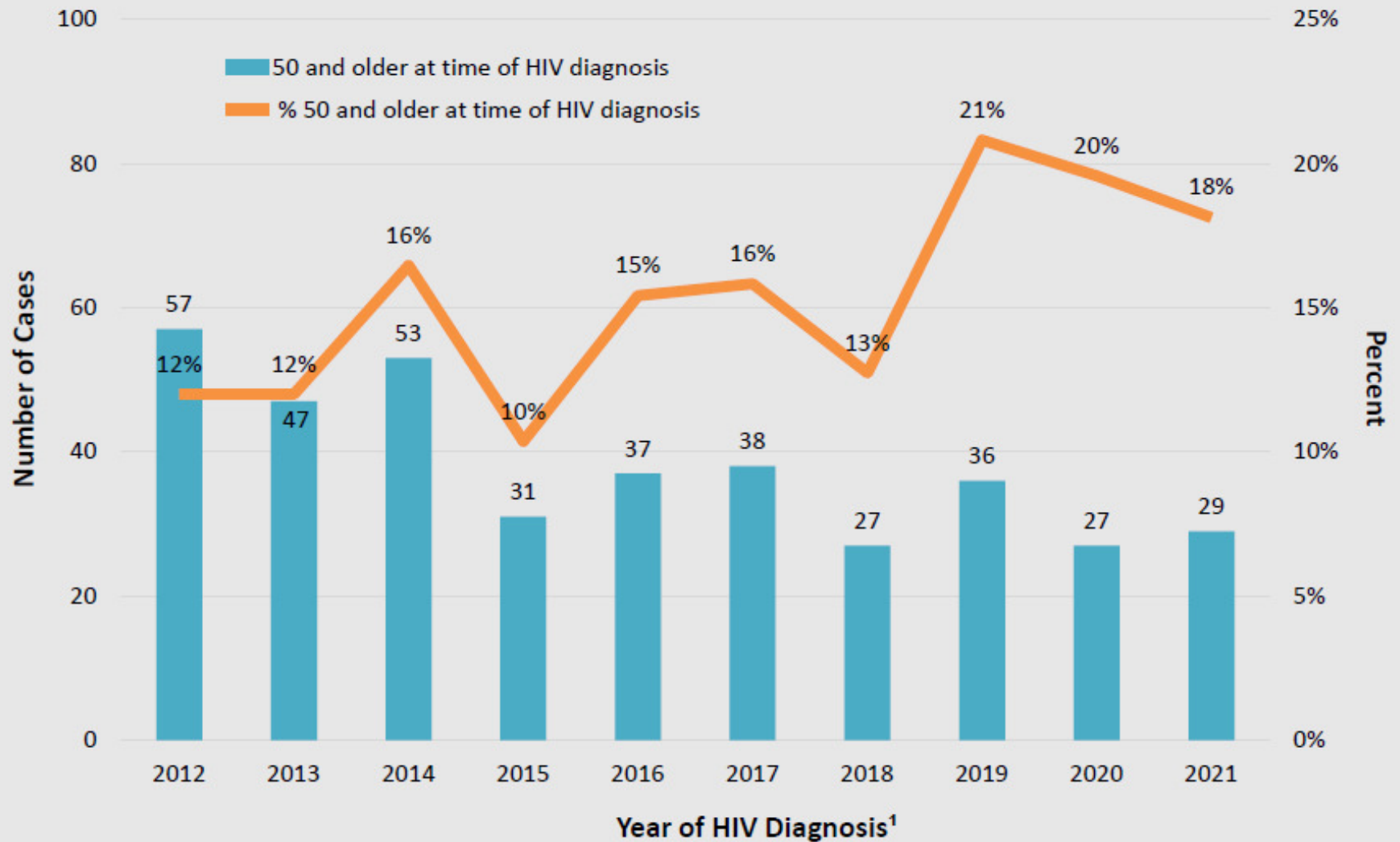


Summary of New Diagnoses

- Total diagnoses increased in 2021 by 16% compared to 2020
- Diagnoses for cis men increased in 2021, while MSM, non-PWID was the only risk group that continued to decrease in 2021
- Annual diagnoses for cis women increased in 2020 and 2021
- Diagnosis rates increased in 2021 for White cis men, Latino cis men, and Latina cis women
- Persons who experienced homelessness (PEH) accounted for 24% of 2021 new diagnoses



Persons newly diagnosed age 50 years and older, 2012-2021



¹ Includes persons with HIV by year of their initial HIV diagnosis. See Technical Notes “Date of Initial HIV Diagnosis.”

Characteristics of newly diagnosed persons by MSM transmission category and age group, 2012-2021

		MSM		Non-MSM	
		Age < 50 years	Age ≥ 50 years	Age < 50 years	Age ≥ 50 years
		Number (%)			
	Total	1,862	255	417	127
Gender¹	Cis Men	1,862 (100)	255 (100)	163 (39)	62 (49)
	Cis Women			154 (37)	60 (47)
	Trans Women			94 (23)	5 (4)
Race/Ethnicity	White	730 (39)	169 (66)	114 (27)	34 (27)
	Black/African American	197 (11)	21 (8)	114 (27)	39 (31)
	Latina/o/x	605 (32)	32 (13)	129 (31)	31 (24)
	Asian/Pacific Islander	253 (14)	22 (9)	35 (8)	11 (9)
	Other/Unknown	77 (4)	11 (4)	25 (6)	12 (9)
Transmission Category	MSM	1,597 (86)	225 (88)		
	PWID			145 (35)	58 (46)
	MSM-PWID	265 (14)	30 (12)		
	Heterosexual			107 (26)	40 (31)
	Other/Unidentified ²			165 (40)	29 (23)
Age in Years at Diagnosis	50-54		126 (49)		44 (35)
	55-59		61 (24)		40 (31)
	60-64		44 (17)		28 (22)
	65+		24 (9)		15 (12)

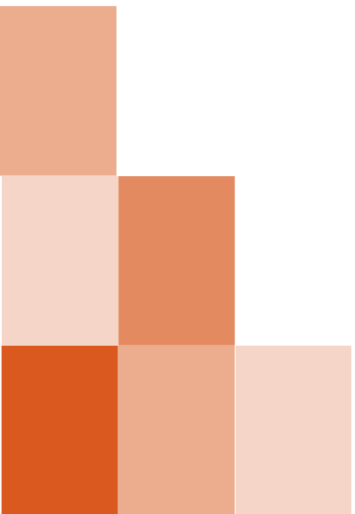
¹ Data on trans men are not released separately due to small numbers. See Technical Notes "Gender Status."

² Includes TWSM, TWSM-PWID and persons with no identified risk factor.



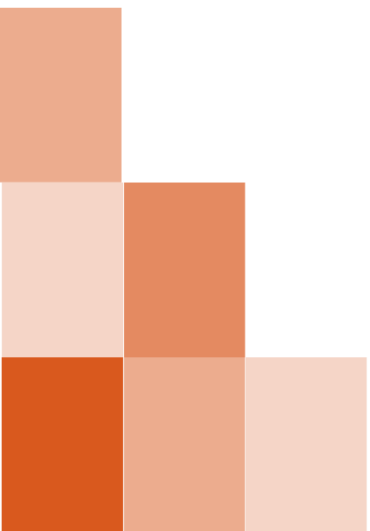
Characteristics of trans women newly diagnosed with HIV in 2012-2021

		Trans Women ¹	Others
		Number (%)	
Total		99	2,562
Race/Ethnicity	White	15 (15)	1,032 (40)
	Black/African American	28 (28)	343 (13)
	Latina/o/x	40 (40)	757 (30)
	Asian/Pacific Islander	11 (11)	310 (12)
	Other/Unknown	5 (5)	120 (5)
People who Inject Drugs	Yes	26 (26)	496 (19)
	No	73 (74)	2,066 (81)
Age at Diagnosis (Years)	13 - 24	22 (22)	330 (13)
	25 - 29	16 (16)	492 (19)
	30 - 39	36 (36)	796 (31)
	40 - 49	20 (20)	567 (22)
	50+	5 (5)	377 (15)

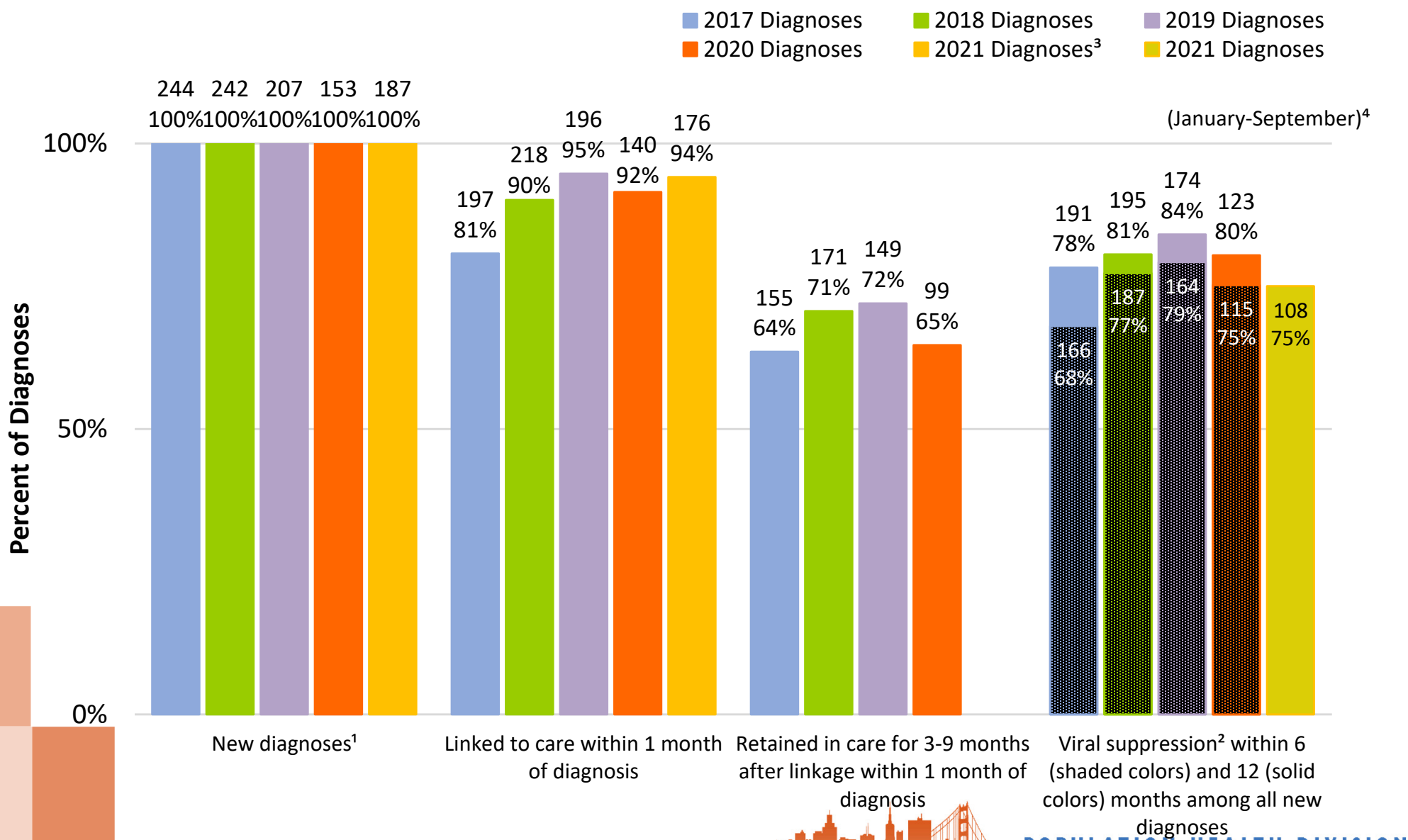


Characteristics of trans women living with HIV compared to all people living with HIV, December 2021

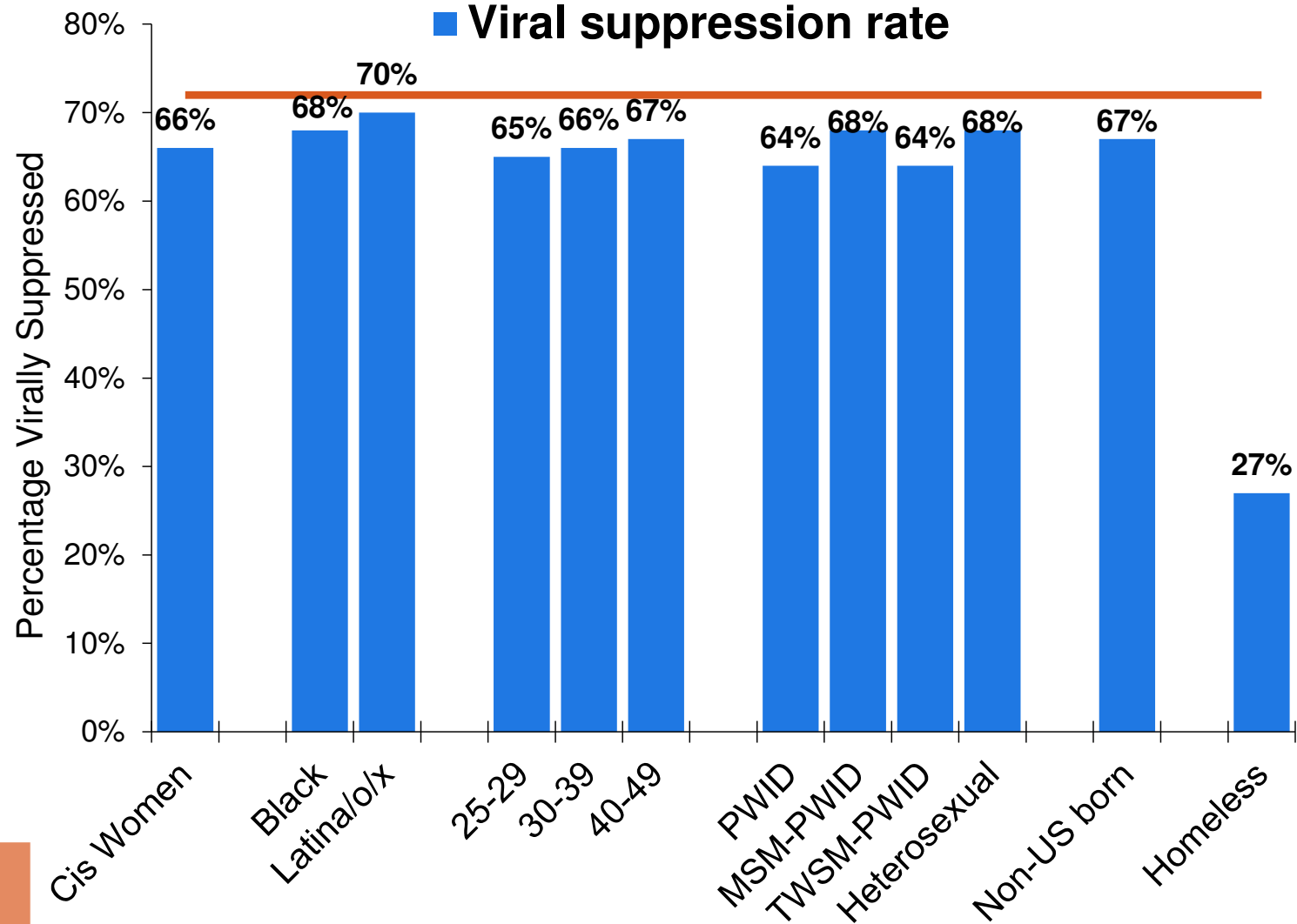
		Trans Women ¹	Others
		Number (%)	
Total		421	15,210
Race/Ethnicity	White	74 (18)	8,795 (58)
	Black/African American	127 (30)	1,692 (11)
	Latina/o/x	152 (36)	3,146 (21)
	Asian/Pacific Islander	40 (10)	984 (6)
	Other/Unknown	28 (7)	593 (4)
People who Inject Drugs	Yes	167 (40)	2,893 (19)
	No	254 (60)	12,317 (81)
Age in Years (at end of 2021)	13 - 17	0 (0)	2 (<1)
	18 - 24	4 (1)	46 (<1)
	25 - 29	14 (3)	236 (2)
	30 - 39	85 (20)	1,448 (10)
	40 - 49	114 (27)	2,387 (16)
	50+	204 (48)	11,091 (73)



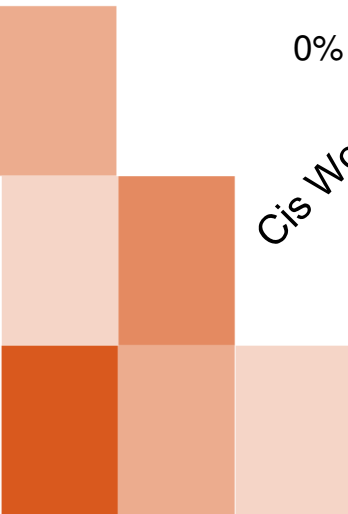
HIV Care Continuum, New Diagnoses, 2017-2021



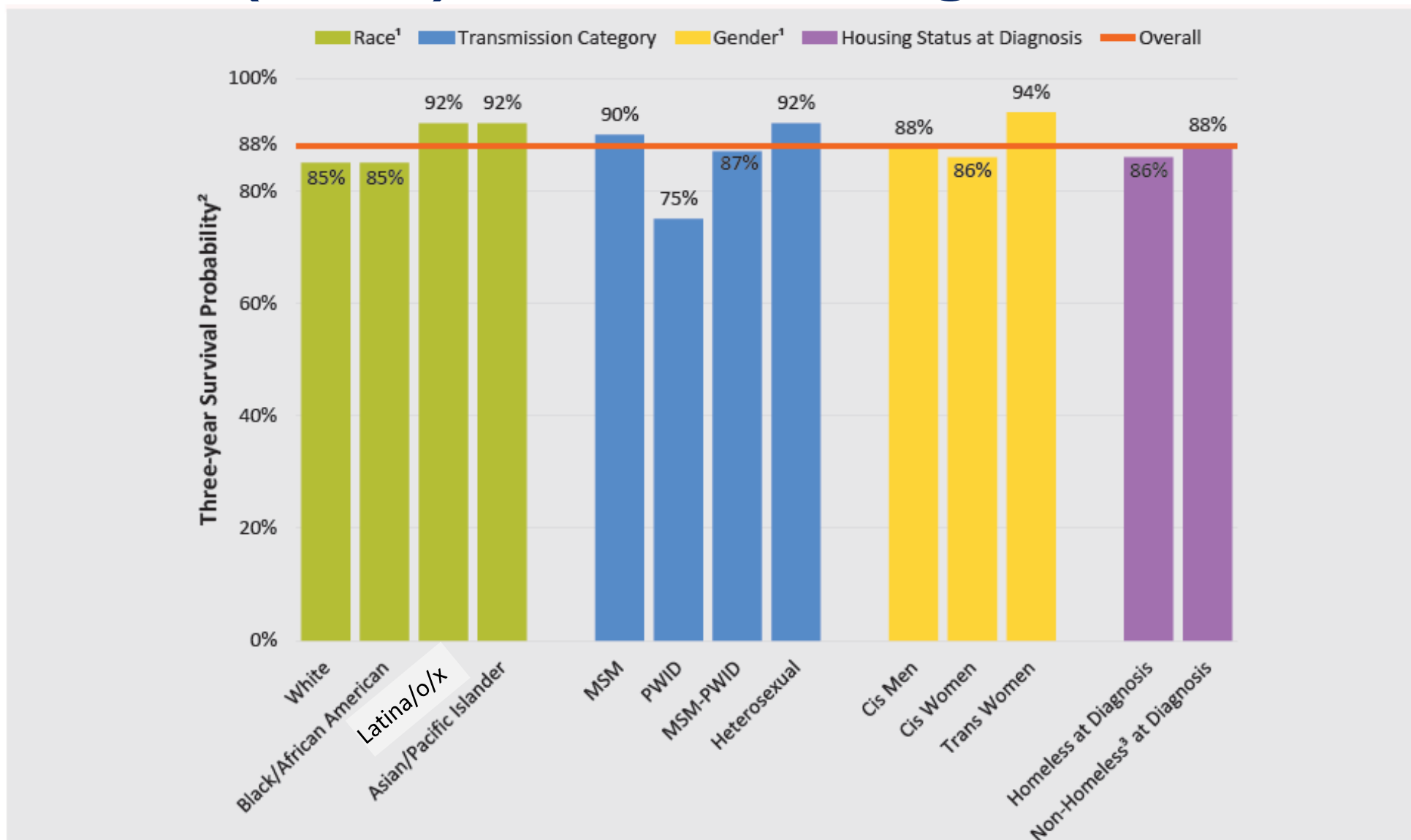
Disparities in Viral Suppression PLWH*



72% of PLWH in 2021 were virally suppressed compared to 70% in 2020.

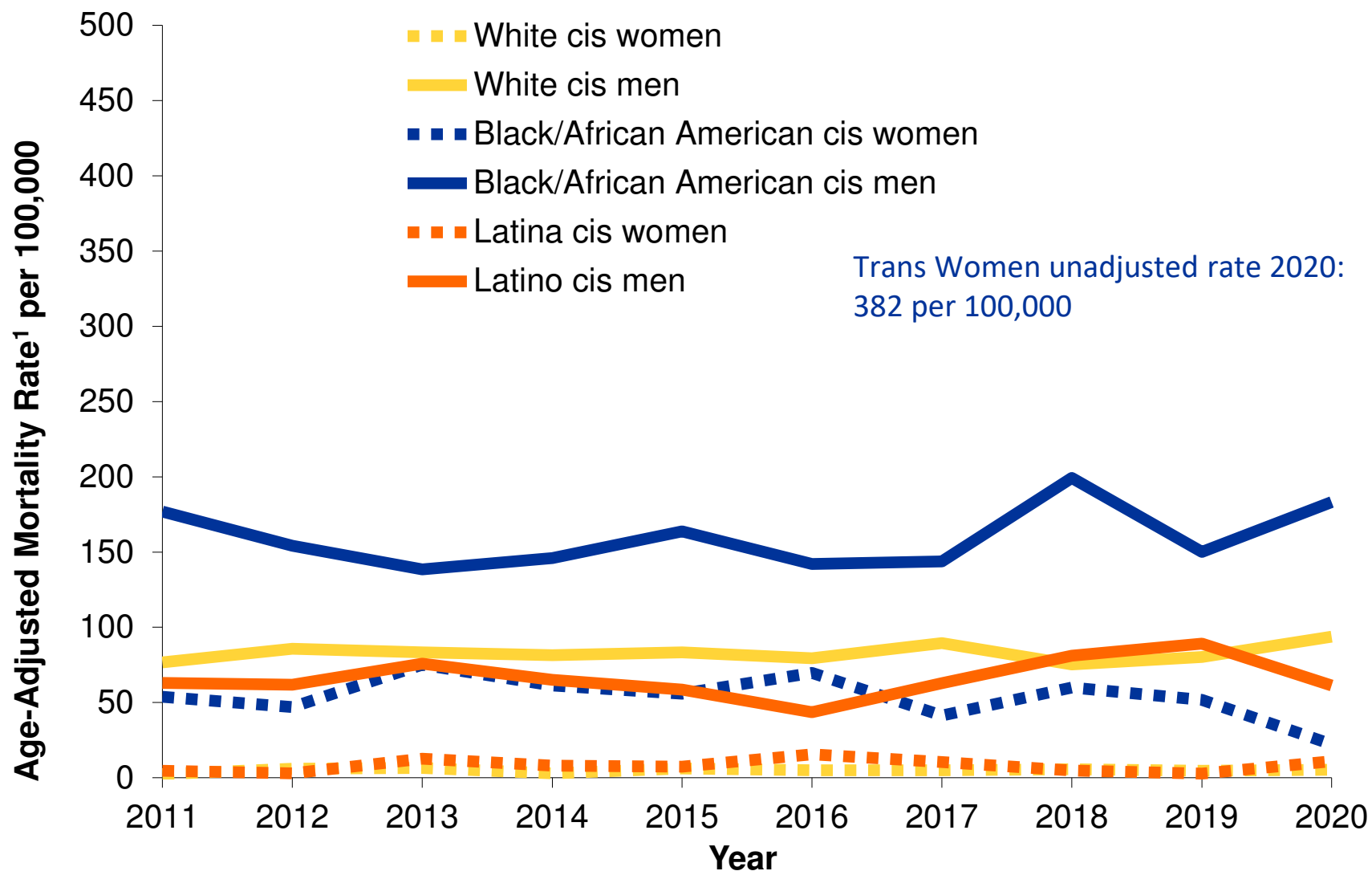


Three-Year Survival after Stage 3* (AIDS) 2012-2020 Diagnoses

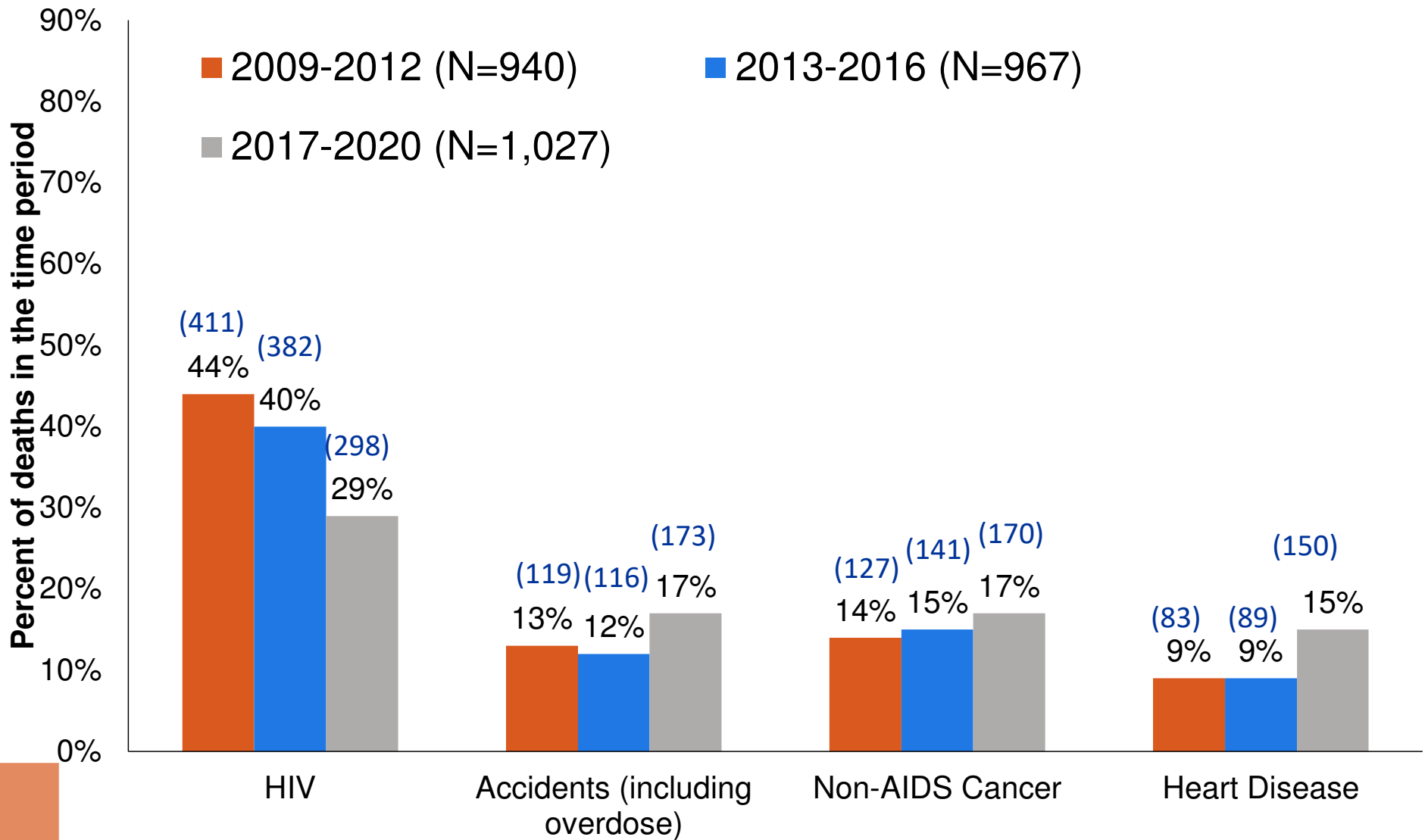


*Stage of HIV Disease is classified by the U.S. HIV surveillance case definition and describes how advanced a person's HIV disease is.

Age-adjusted Mortality Rates Persons 18+ years by Gender and Race/ethnicity



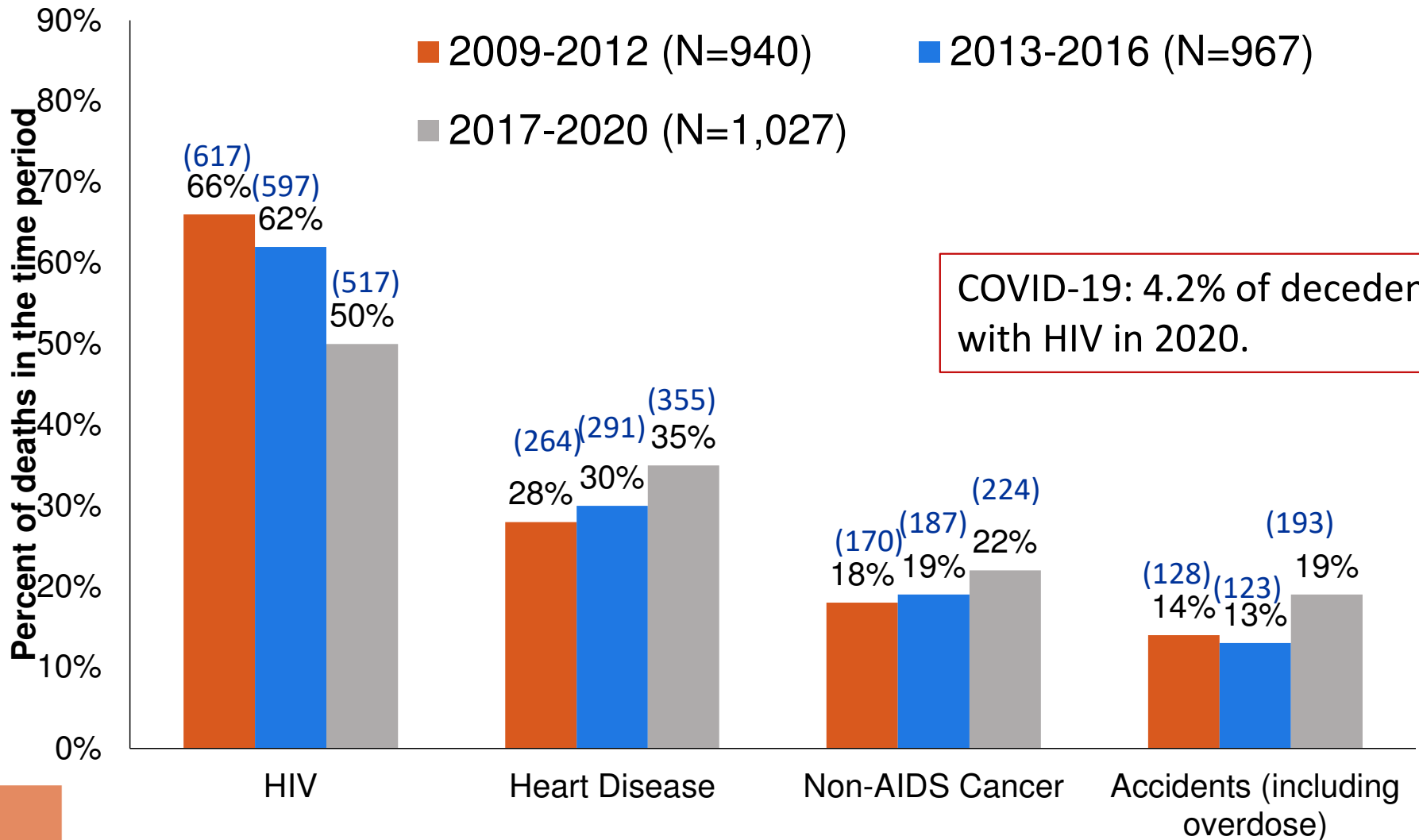
Trends in Underlying Causes of Death among Persons with HIV



(No.): Number of deaths in the time period.



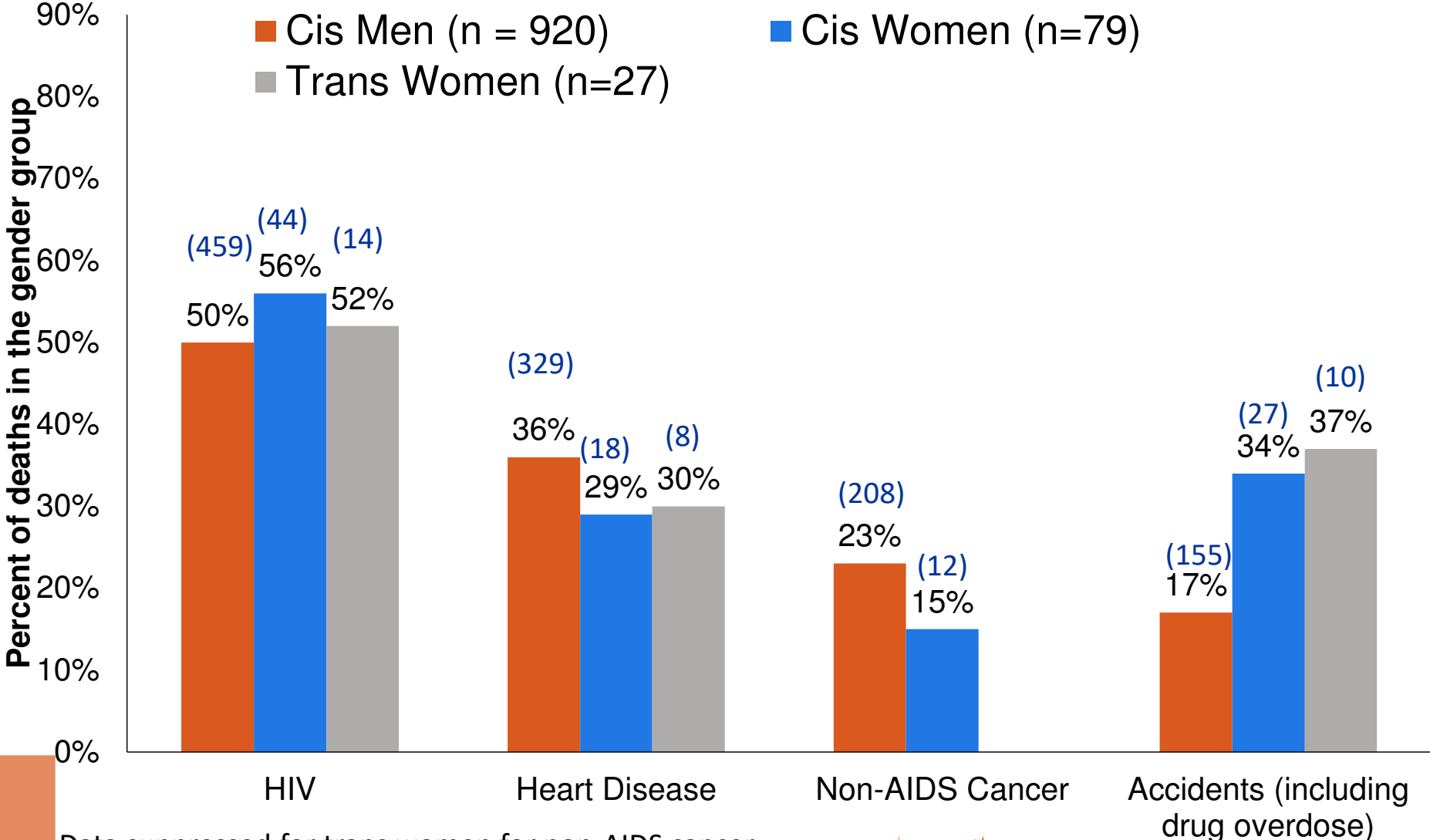
Trends in Multiple Causes of Death among Persons with HIV



(No.): Number of deaths in the time period.



Top Multiple Causes of Death, by Gender, 2017-2020



Data suppressed for trans women for non-AIDS cancer.



(No.): Number of deaths in the gender group.

PrEP Enrollment and PrEP at 6 months, by priority population and PrEP Regimen, 2020

		Enrolled ¹	PrEP at Six Months ²
		Number (Column %)	Number (row % of Enrolled PrEP Regimen)
Priority Populations ³ / PrEP Regimens	All Clients	560	376
	Daily PrEP	456 (81)	306 (67)
	PrEP 2-1-1	104 (19)	70 (67)
	White MSM	240	158
	Daily PrEP	193 (80)	127 (66)
	PrEP 2-1-1	47 (20)	31 (66)
Black/African American MSM	55	35	
Daily PrEP	43 (78)	27 (63)	
PrEP 2-1-1	12 (22)	8 (67)	
Latino MSM	193	140	
Daily PrEP	161 (83)	113 (70)	
PrEP 2-1-1	32 (17)	27 (84)	
MSM <25 years	100	65	
Daily PrEP	83 (83)	53 (64)	
PrEP 2-1-1	17 (17)	12 (71)	

1 Enrolled in PrEP was defined as attending a PrEP enrollment visit and having a PrEP prescription.

2 PrEP at six months was defined as still being enrolled in the SFAF PrEP program at six month follow-up.

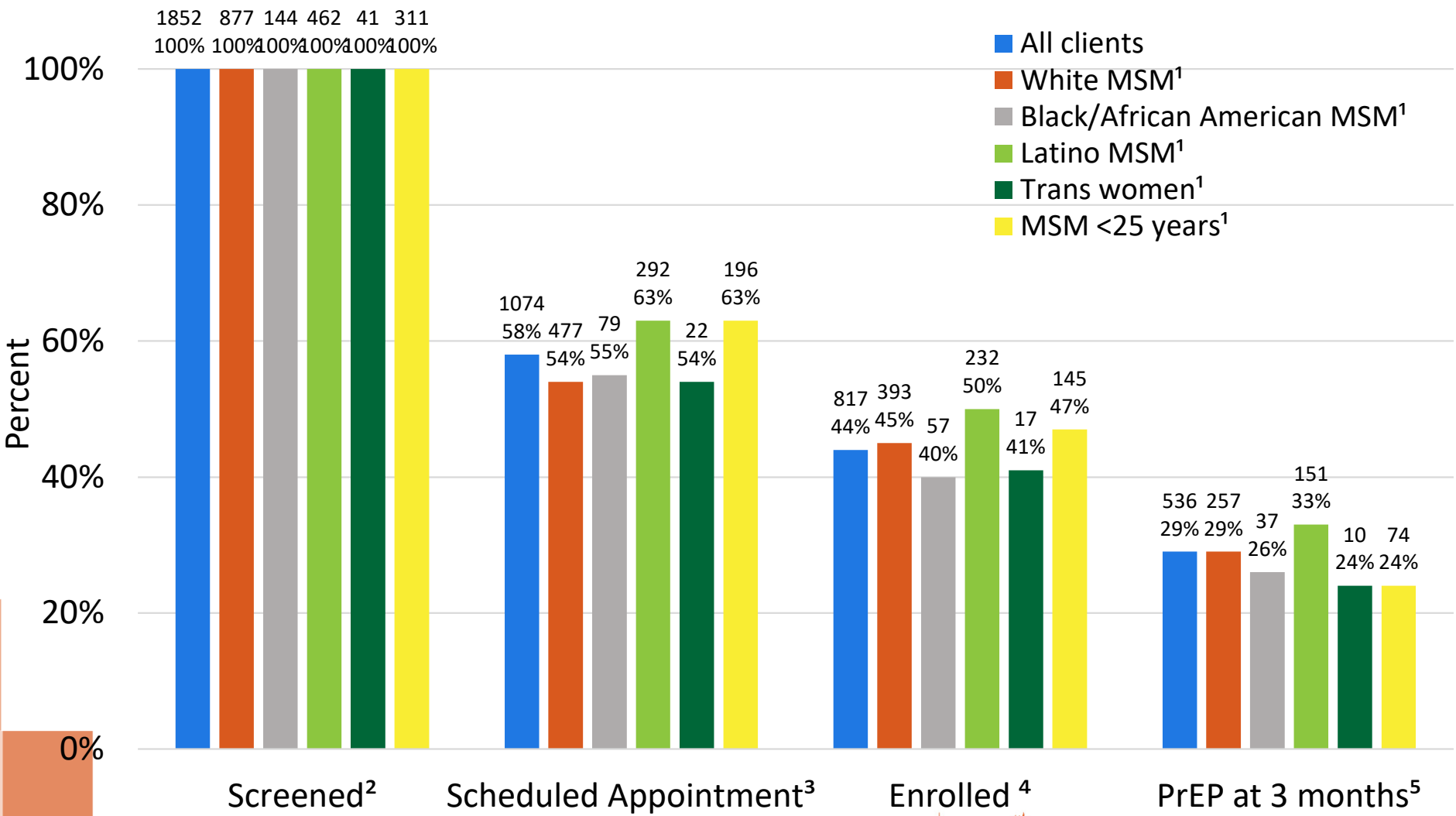
3 These groups are priority populations and not mutually exclusive. Data on trans women are not displayed due to small numbers.



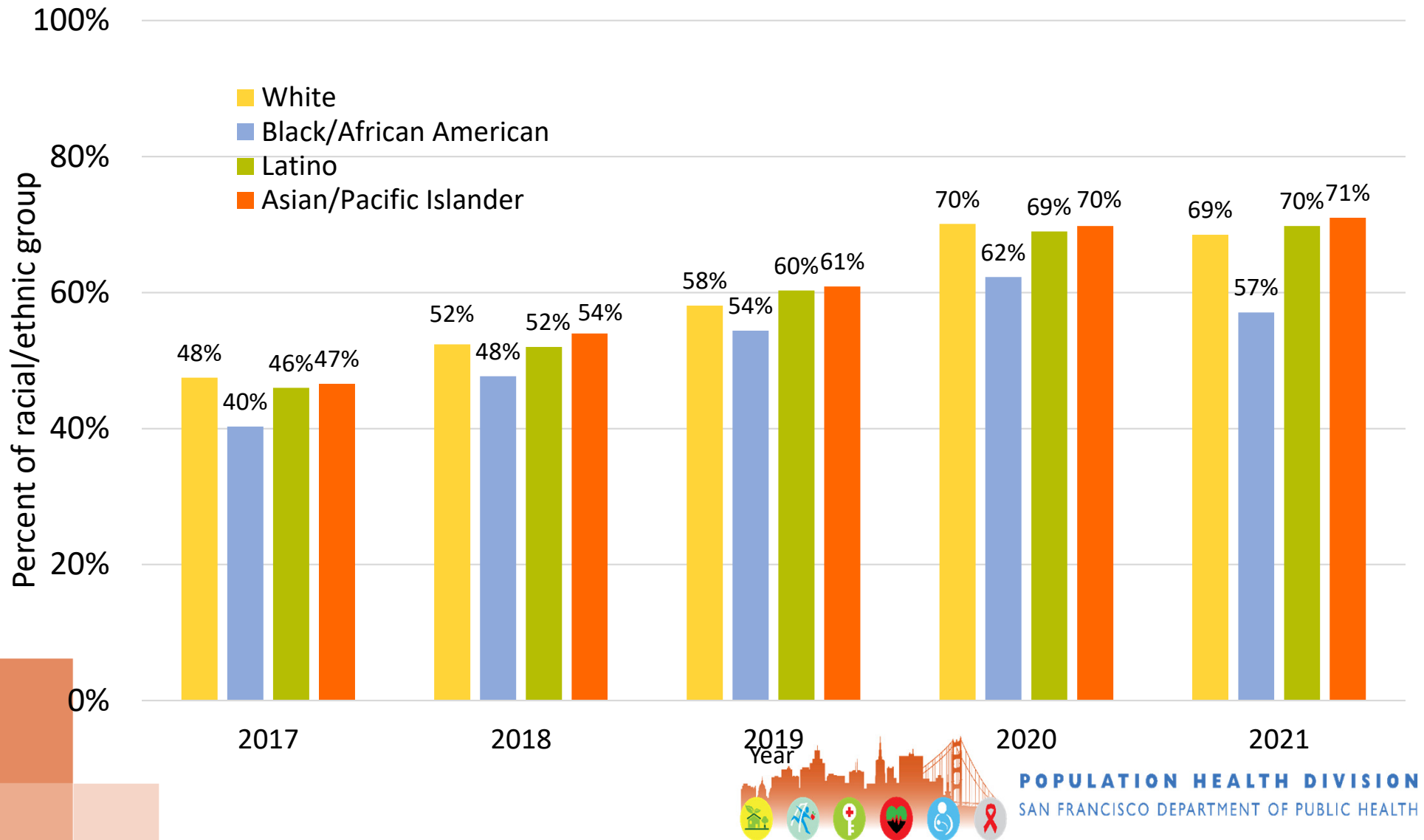
POPULATION HEALTH DIVISION
SAN FRANCISCO DEPARTMENT OF PUBLIC HEALTH

Data from San Francisco AIDS Foundation

Health Disparities: PrEP cascade for clients at San Francisco AIDS Foundation, 2021

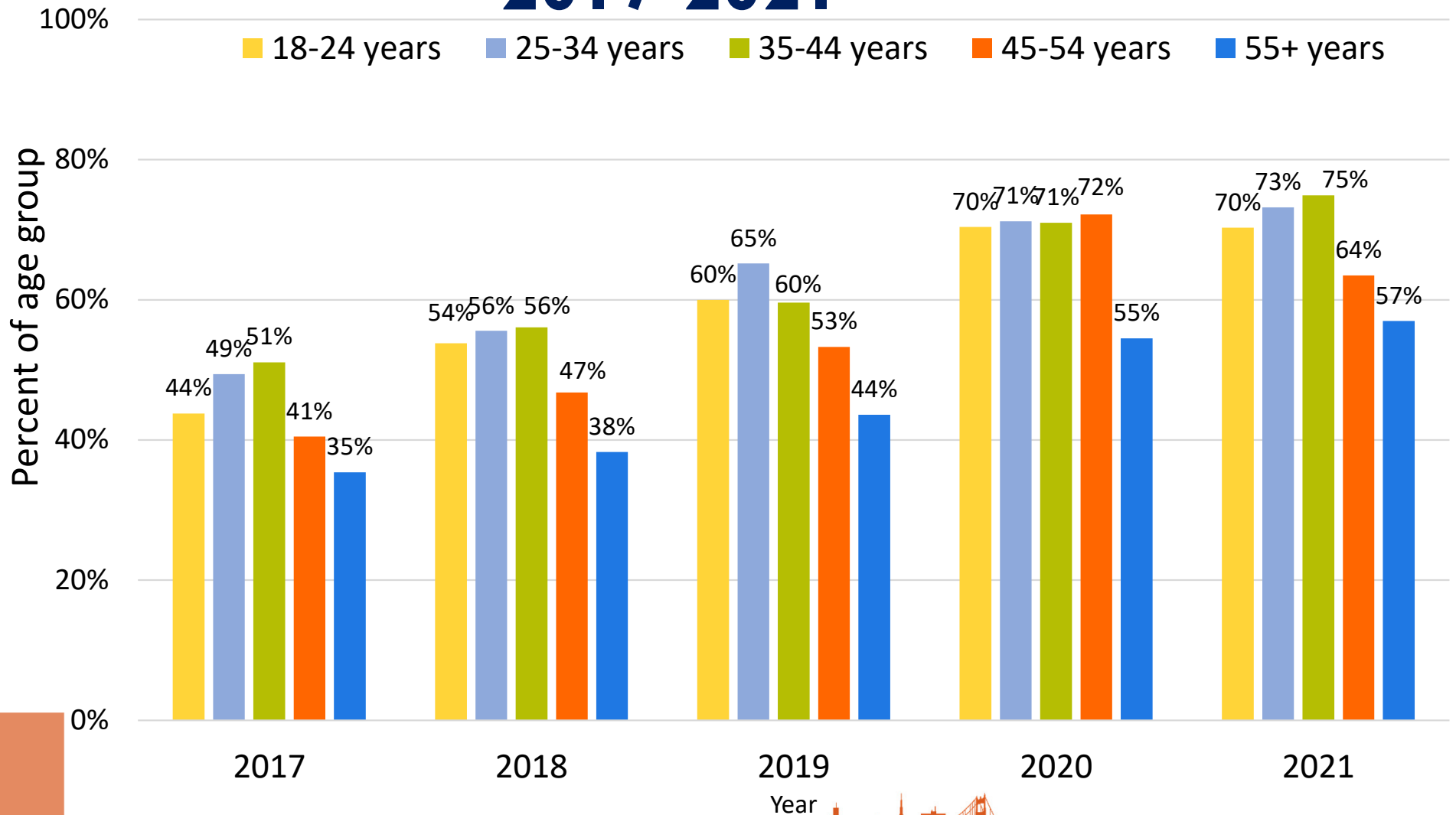


Proportion of PrEP eligible MSM currently on PrEP¹ by Race/ethnicity, San Francisco City Clinic, 2017-2021



¹ On PrEP at visit: (1) Answer 'yes' to are you currently on PrEP (2) Enrolled in PrEP as of visit.

Proportion of PrEP eligible MSM currently on PrEP¹ by Age, San Francisco City Clinic, 2017-2021



2021 HIV Epi Annual Report available at:

<http://www.sfdph.org/dph/files/reports/default.asp>



POPULATION HEALTH DIVISION
SAN FRANCISCO DEPARTMENT OF PUBLIC HEALTH