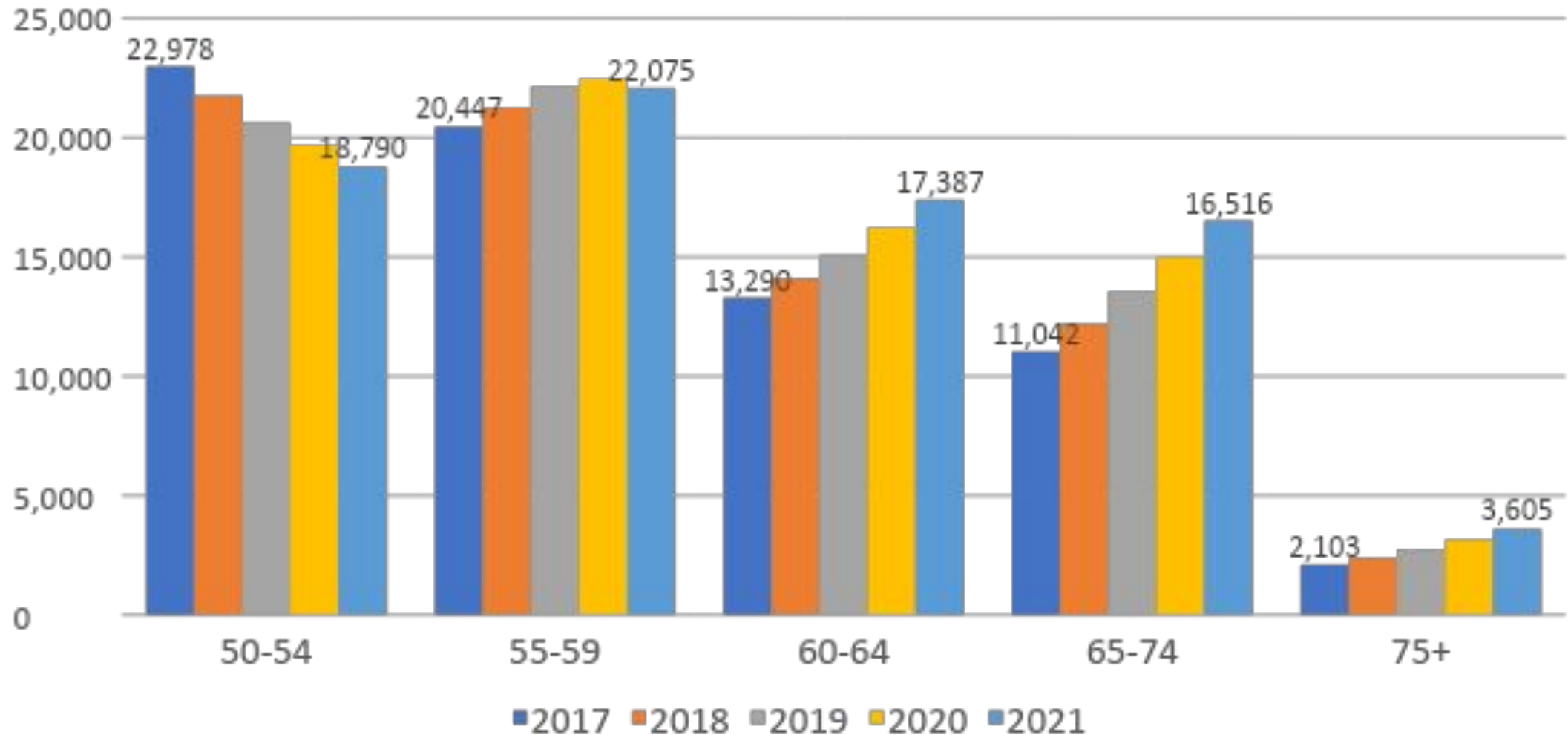


HIV & Aging Learning Objectives

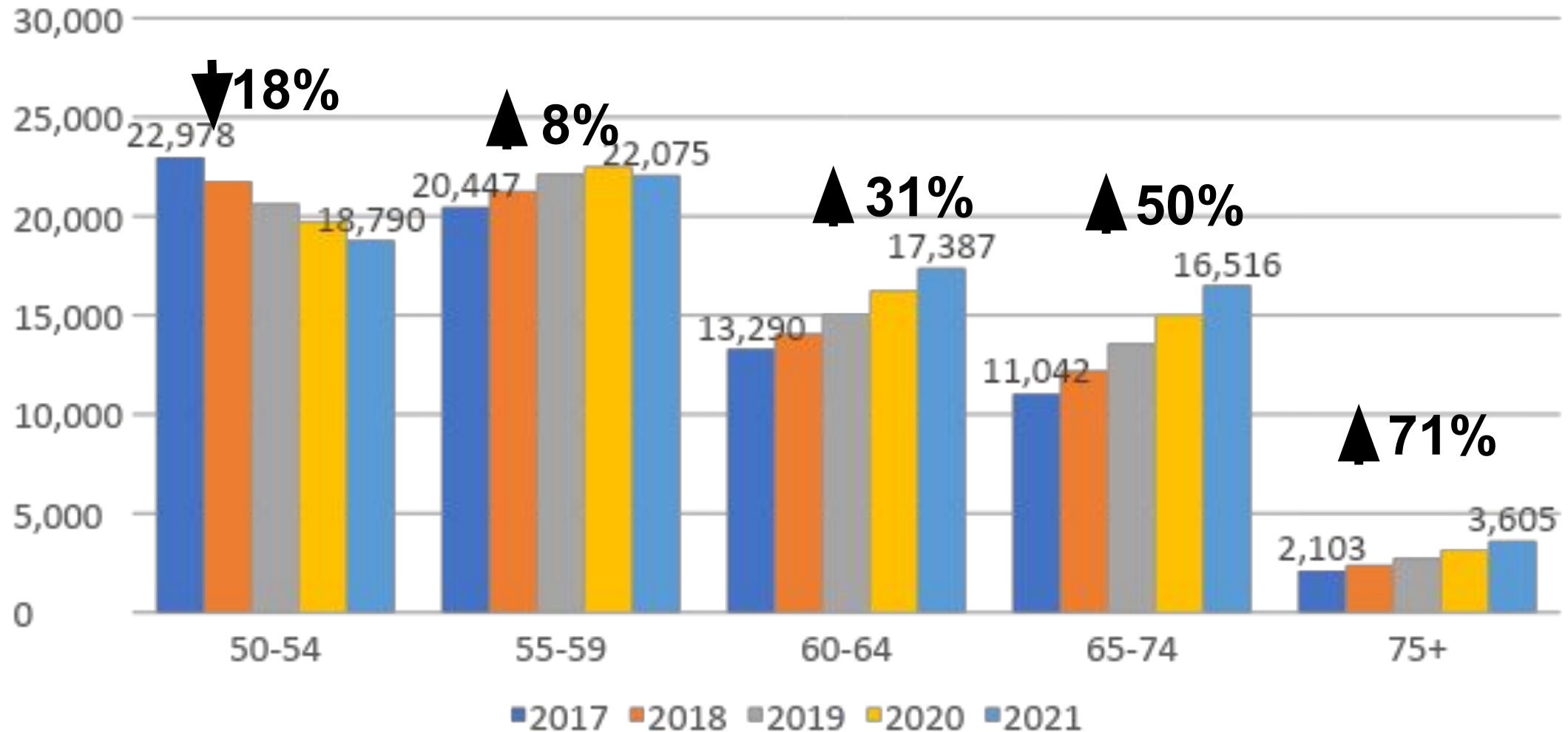
1. Participants will learn about the current incidence and prevalence of HIV among Californians 50 years and older, as well as predicted future trends.
2. Participants will learn how HIV impacts the body, especially over time, as well as its impact on other age-related health issues.
3. Participants will learn at least three psychosocial issues common among people living with HIV over the age of 50.
4. Participants will learn about programs being developed specifically to serve the unique needs of people living with HIV over the age of 50.

Trends: Number of People > 50 years of age Living with Diagnosed HIV, California 2017 – 2021



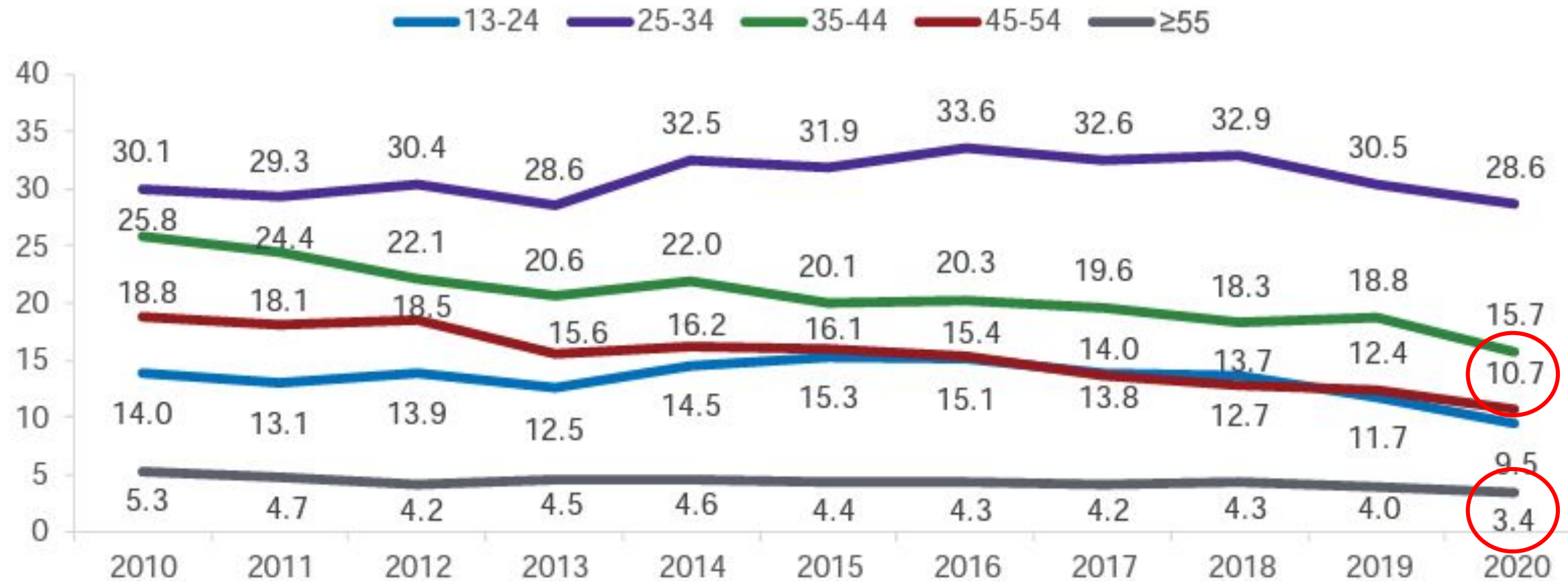
78,373 (56%) of CA PWH were \geq 50 years of age in 2021

Trends: Number of People > 50 years of age Living with Diagnosed HIV, California 2017 – 2021

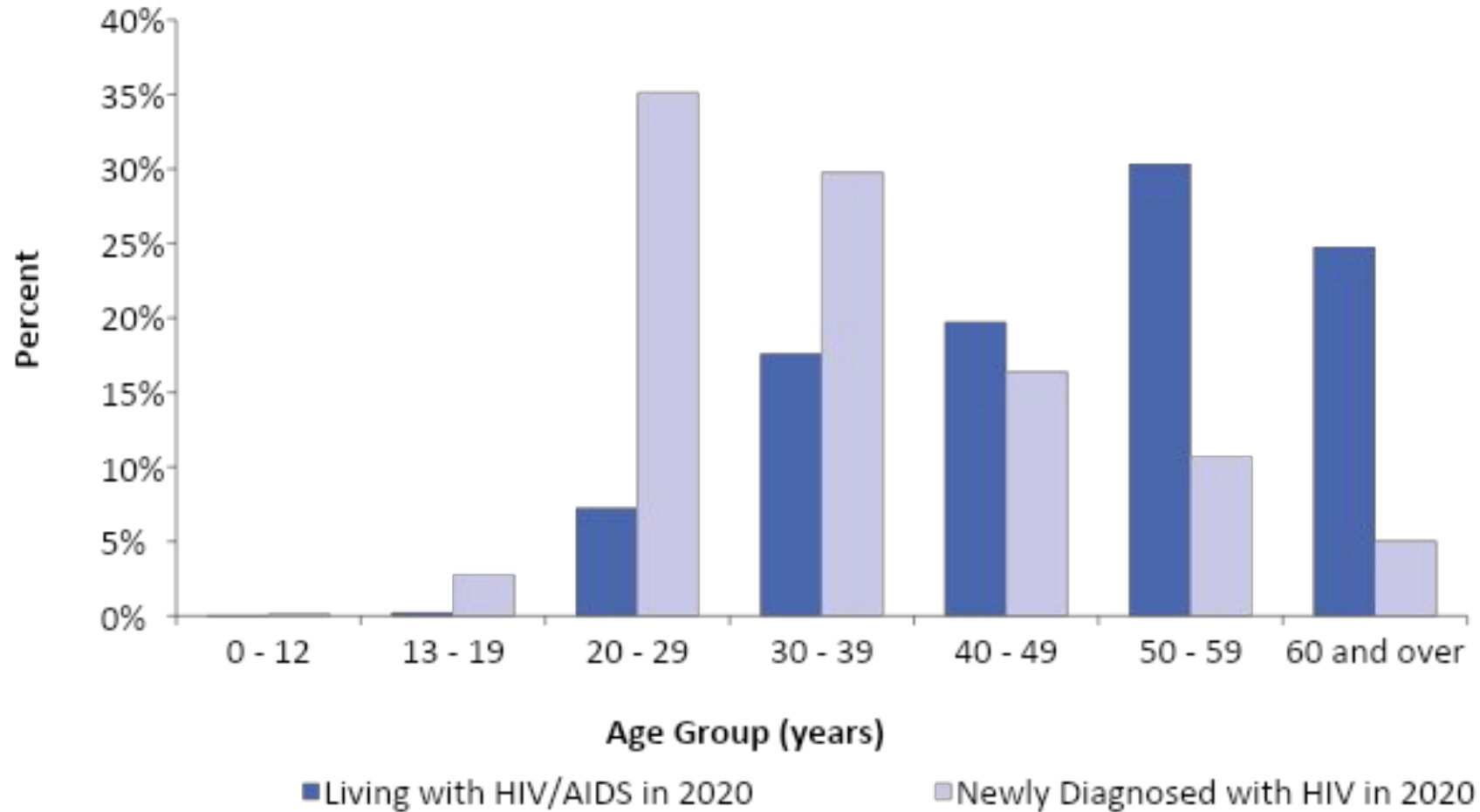


Rate Trends of New HIV Diagnoses by Age, California 2010-2020

Rate of New HIV Diagnoses per 100,000 population



Age Distribution of Persons Newly Diagnosed with HIV and Persons Living with HIV: California, 2020



PrEP-AP Usage Utilization: 1 in 5 PrEP AP ≥ 45 y/o

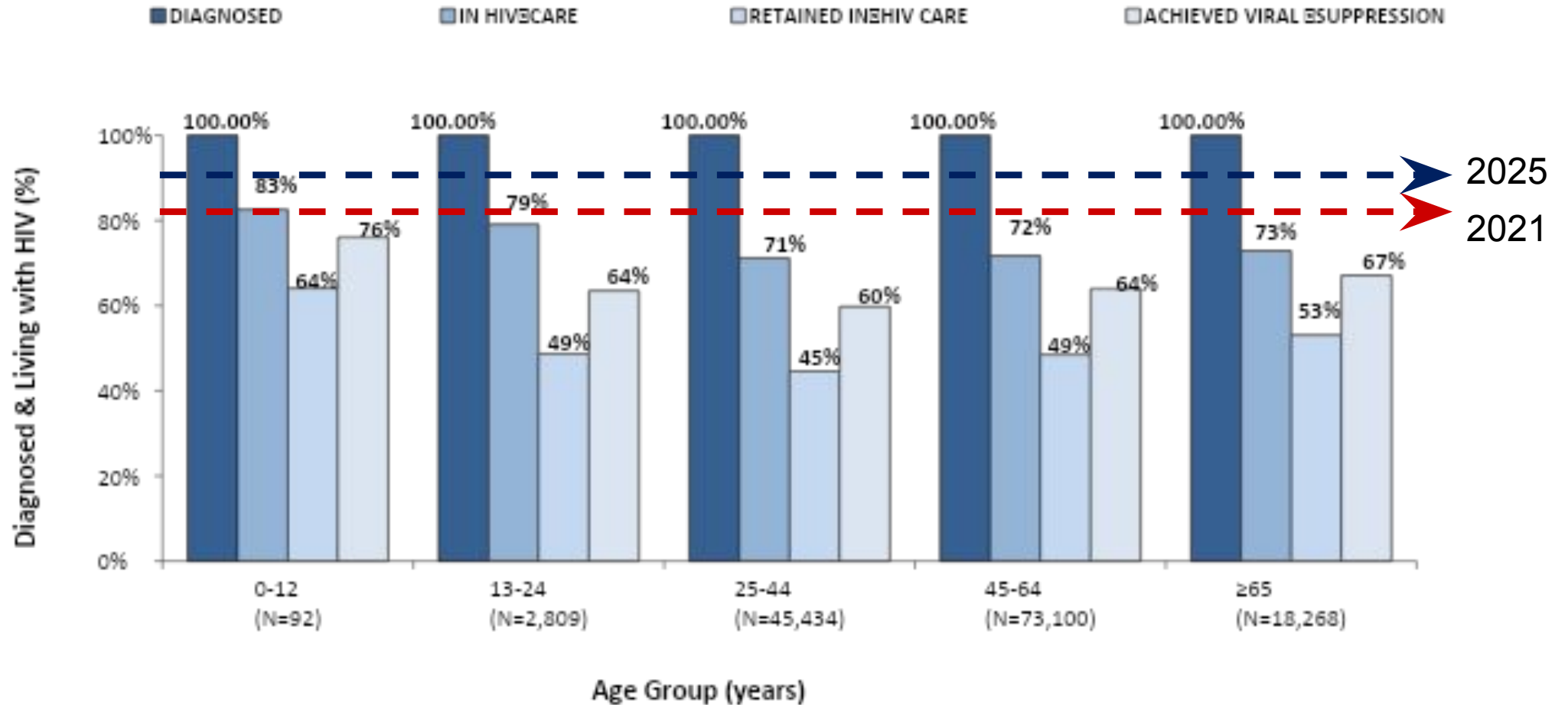
Active PrEP-AP Clients by Age and Race/Ethnicity:

Current Age	Latinx		American Indian or Alaskan Native		Asian		Black or African American		Native Hawaiian/ Pacific Islander		White		More Than One Race Reported		Decline to Provide		TOTAL	
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N	%
	18 - 24	181	5%	---	---	36	1%	12	0%	1	0%	56	2%	2	0%	26	1%	314
25 - 34	834	23%	2	0%	121	3%	82	2%	3	0%	270	8%	9	0%	72	2%	1,393	39%
35 - 44	695	19%	3	0%	83	2%	39	1%	2	0%	195	5%	5	0%	41	1%	1,063	30%
45 - 64	394	11%	2	0%	37	1%	17	0%	1	0%	132	4%	2	0%	19	1%	604	17%
65+	22	1%	1	0%	3	0%	3	0%	---	---	187	5%	---	---	7	0%	223	6%
TOTAL	2,126	59%	8	0%	280	8%	153	4%	7	0%	840	23%	18	1%	165	5%	3,597	100%

Ending the Epidemics Strategy: Health Access for All

ADAP INSURANCE ASSISTANCE					
Insurance Coverage Group	17-18	18-19	19-20	20-21	21-22
ADAP Only	13,018	12,396	12,577	11,321	10,754
	43.90%	41.50%	40.80%	37.30%	37.10%
ADAP with Medi-Cal	143	218	179	189	123
	0.50%	0.70%	0.60%	0.60%	0.40%
ADAP with Medicare	7,712	7,622	7,678	7,777	7,572
	26.00%	25.50%	24.90%	25.70%	26.10%
ADAP with Private Insurance	8788	9635	10,363	11,028	10,544
	29.60%	32.30%	33.60%	36.40%	36.40%
TOTAL	29,661	29,871	30,797	30,315	28,993
	100.00%	100.00%	100.00%	100.00%	100.00%

Continuum of HIV Care by Age Group — California, 2020



RESPOND Cohort: Trends in Mortality in PWH

Tusch ES, et al. ROI 2023, Abstract 870

- Collaboration of 17 cohort studies (N = 33,598)
- Changes between 2012 and 2019
 - All-cause mortality decreased (13.0 to 8.6/1000 person-years follow-up)
 - Median Age of death increased from 52 to 56 years of age)
 - Decreasing mortality rates for non-AIDS defining malignancies, AIDS, CVD, Liver, and other causes

Cause Specific Mortality		
	EVENTS (Number)	RATE (1000 PYFU)
Non-AIDS Defining Malignancies	370	2.20
AIDS	169	1.02
CVD	142	0.85
Liver	133	0.79
Other	409	2.70
Unknown	417	2.48

RESPOND: International Cohort of Infectious Diseases

PYFU: Person-years follow-up

RESPOND Cohort: Trends in Mortality in PWH

Tusch ES, et al. ROI 2023, Abstract 870

- Collaboration of 17 cohort studies (N = 33,598)

Strongest Predictors of All Causes Mortality (RR P<0.01)

- CD4 \leq 350 cells/ μ L and HIV RNA >200 copies/mL: 9.78
- Diabetes/CVD: 1.88/1.98
- End-state renal/liver disease: 2.67/5.08
- Injection Drug Use: 1.78

Cause Specific Mortality		
	EVENTS (Number)	RATE (1000 PYFU)
Non-AIDS Defining Malignancies	370	2.20
AIDS	169	1.02
CVD	142	0.85
Liver	133	0.79
Other	409	2.70
Unknown	417	2.48

NATIONAL HIV AIDS STRATEGY 2020 - 2025

3.4 Address social and structural determinants of health and co-occurring conditions that impede access to HIV services and exacerbate HIV-related disparities

- 3.4.1 Develop whole-person systems of care and wellness that address co-occurring conditions for people with or who experience risk for HIV.

Mental Health and Psychosocial Elements

- Studies consistently show PWH have higher incidence of depression, anxiety, substance abuse, childhood trauma, and PTSD
- Approximately seven in ten older adults living with HIV experience HIV-related and age-related stigma.
- Older PLWH are more likely to experience higher levels of stress due to social isolation.

Mental Health and Psychosocial Elements

Psychological resilience is a fundamental variable for reducing and preventing negative psychological effects and is associated with lower levels of depression, anxiety and burnout.