

HIGHLIGHTS

Globally, COVID-19 cases have surpassed 483.5 million with more than 6.1 million deaths.

In the United States, the total number of cases stands at 79,853,683 and deaths at 976,229.

Vaccine effectiveness (VE) against COVID-19–associated emergency department/urgent care visits was 24% after 1 Jansen dose, 54% after 2 Jansen doses, and 79% after 1 Janssen/1 mRNA dose, compared to 83% after 3 mRNA doses. VE for the same strategies against COVID-19–associated hospitalization was 31%, 67%, 78%, and 90% respectively. This MMWR is available [HERE](#).

The US Food and Drug Administration has authorized additional booster doses of the Pfizer/BioNTech and Moderna coronavirus vaccines for adults 50 and older and certain immunocompromised individuals 12 and older at least 4 months after receipt of a first booster dose of any authorized or approved COVID-19 vaccine. This action will now make a second booster dose of these vaccines available to other populations at higher risk for severe disease, hospitalization and death. Emerging evidence suggests that a second booster dose of an mRNA COVID-19 vaccine improves protection against severe COVID-19 and is not associated with new safety concerns. Today’s action applies only to the Pfizer-BioNTech and Moderna COVID-19 vaccines and the authorization of a single booster dose for other age groups with these vaccines remains unchanged.

UNITED STATES

COVID-19: U.S. at a Glance*

- Total cases: 79,853,683
- Total deaths: 976,229
- Jurisdictions reporting cases: 55 (50 states, District of Columbia, Guam, Puerto Rico, the Northern Mariana Islands, and the U.S. Virgin Islands)

*As of April 14, 2020, CDC case counts and death counts include both confirmed and probable cases and deaths. This change was made to reflect an interim COVID-19 position statement issued by the Council for State and Territorial Epidemiologists on April 5, 2020.

A confirmed case or death is defined by meeting confirmatory laboratory evidence for COVID-19.

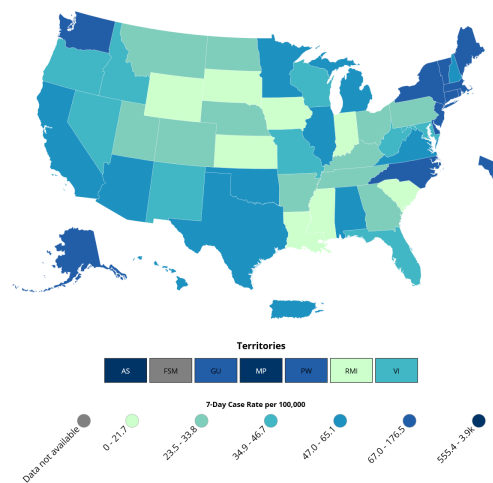
A probable case or death is defined by:

- meeting clinical criteria AND epidemiologic evidence with no confirmatory laboratory testing performed for COVID-19; or ii) meeting presumptive laboratory evidence AND either clinical criteria OR epidemiologic evidence; or iii) meeting vital records criteria with no confirmatory laboratory testing performed for COVID-19.
- State and local public health departments are now testing and publicly reporting their cases. In the event of a discrepancy between CDC cases and cases reported by state and local public health officials, data reported by states should be considered the most up to date.

National Laboratory Testing Data

- Total tests reported: 846,427,440
- Positive tests reported: 78,297,693
- Percent of positive tests (7-day): 2.3%

US COVID-19 7-Day Case Rate per 100,000, by State/Territory





CORONAVIRUS DISEASE 2019 (COVID-19) SITUATIONAL REPORT #419 MARCH 30, 2022



RISK FOR COVID-19 INFECTION, HOSPITALIZATION, AND DEATH BY RACE/ETHNICITY, U.S.

As of March 25, 2022, CDC data shows that AIAN nationwide still have the highest risk for COVID-19 infection, hospitalization, and death than any other race/ethnicity when compared to Whites.

Rate ratios compared to White, Non-Hispanic persons	American Indian or Alaska Native, Non-Hispanic persons	Asian, Non-Hispanic persons	Black or African American, Non-Hispanic persons	Hispanic or Latino persons
Cases ¹	1.6x	0.7x	1.1x	1.5x
Hospitalization ²	3.1x	0.8x	2.4x	2.3x
Death ³	2.1x	0.8x	1.7x	1.8x

COVID-19 CASES BY INDIAN HEALTH SERVICES AREA

	NEGATIVE CASES	POSITIVE CASES	TESTED
ALASKA	841,257	46,671	1,019,103
ALBUQUERQUE	107,756	13,373	142,383
BEMIDJI	261,245	28,440	291,050
BILLINGS	133,182	13,222	151,020
CALIFORNIA	142,858	19,299	171,332
GREAT PLAINS	213,147	25,396	241,046
NASHVILLE	134,533	16,450	156,217
NAVAJO	333,678	66,616	467,839
OKLAHOMA CITY	845,505	157,032	1,014,219
PHOENIX	242,899	43,051	287,802
PORTLAND	201,719	18,413	222,087
TUCSON	66,588	8,608	75,478

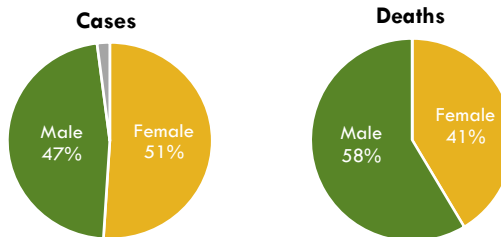
*as of 3/28/2022

CALIFORNIA

As of March 30, 2022, there were a total of 8,487,070 positive cases and 88,043 deaths in California.

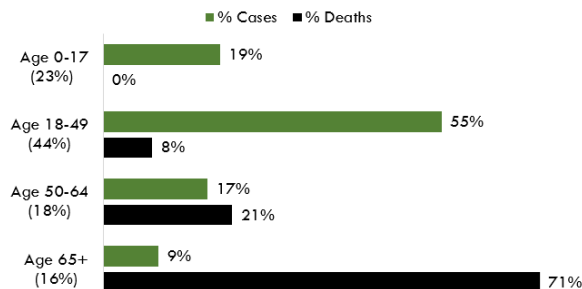
Confirmed positive cases by gender:

- Female: 4,328,406
- Male: 3,988,923
- Unknown: 169,741



Confirmed positive cases by age:

- Age 0-17: 1,612,543
- Age 18-49: 4,667,889
- Age 50-64: 1,442,802
- Age 65 and older: 763,836





CORONAVIRUS DISEASE 2019 (COVID-19) SITUATIONAL REPORT #419 MARCH 30, 2022



California COVID-19 threat level: **MEDIUM**

DAILY NEW CASES

7.5 PER 100K

COVID-19 NOT CONTAINED AND DAILY NEW CASES ARE AT MEDIUM LEVELS

INFECTION RATE

0.84

COVID-19 IS STILL SPREADING AT LOW LEVELS

POSITIVE TEST RATE

1.4%

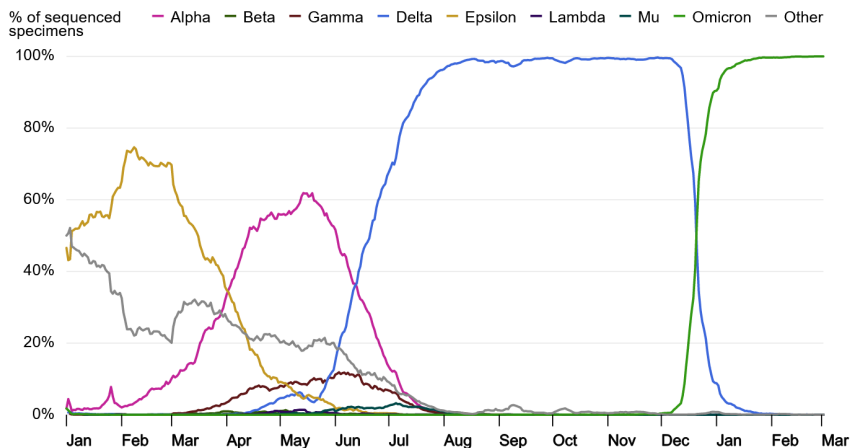
INDICATES LOW TESTING POSITIVITY

Lab tests reported statewide: 154,920,702 7-day test positivity rate: 1.3%

Numerous public health labs in California are testing for COVID-19 samples. Click [HERE](#) to find your nearest testing site.

COVID-19 VARIANTS OF CONCERN, CALIFORNIA

As of March 23, 505,659 samples have been sequenced in California. In February 2022, 11% of 323,871 cases in California had been sequenced. In January 2022, 2% of 2,537,479 cases were sequenced. In December 2021, 9% of 697,812 cases were sequenced. The chart below shows the percent of specimens sequenced by month that are variants of concern/interest. The table below shows the percent of specimens sequenced by recent weeks that are variants of concern/interest statewide.



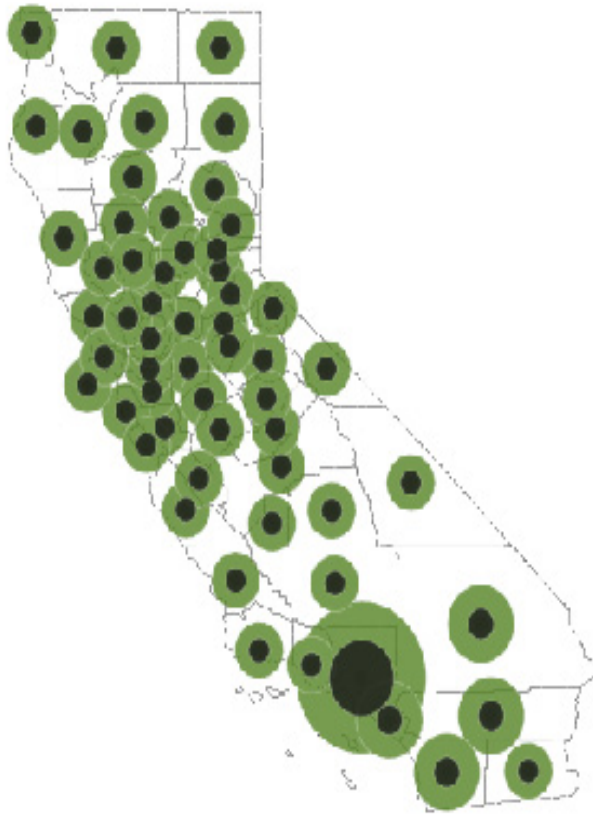
Week Ending	Alpha	Beta	Gamma	Delta	Epsilon	Lambda	Mu	Omicron
3/1/22	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
3/9/22	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%

INDIAN HEALTH SERVICE CALIFORNIA AREA

171,332 Tribal or Urban Indian Health Program patients in the California Area have been tested for COVID-19 as of 3/28/2022.

Of these, 19,645 patients have tested positive for COVID-19 and 141,962 have tested negative for COVID-19. The 7-day rolling average positivity rate is 3.5%.

CONFIRMED CASES AND DEATHS BY COUNTY, CALIFORNIA



Counties with most reported cases

Los Angeles	2,702,005
San Diego	751,240
Riverside	590,359
San Bernardino	561,026
Orange	545,832

Counties with most reported deaths

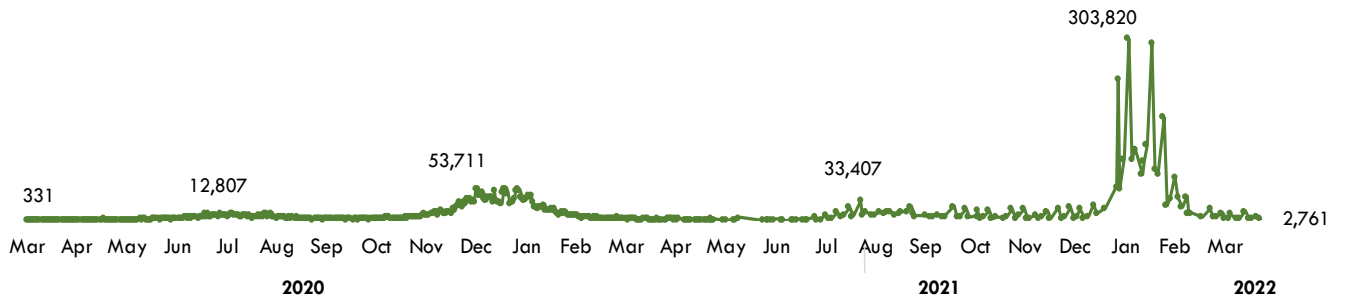
Los Angeles	31,378
San Bernardino	6,871
Orange	6,860
Riverside	6,403
San Diego	5,159

As of 3/30/2022. Source: CDPH

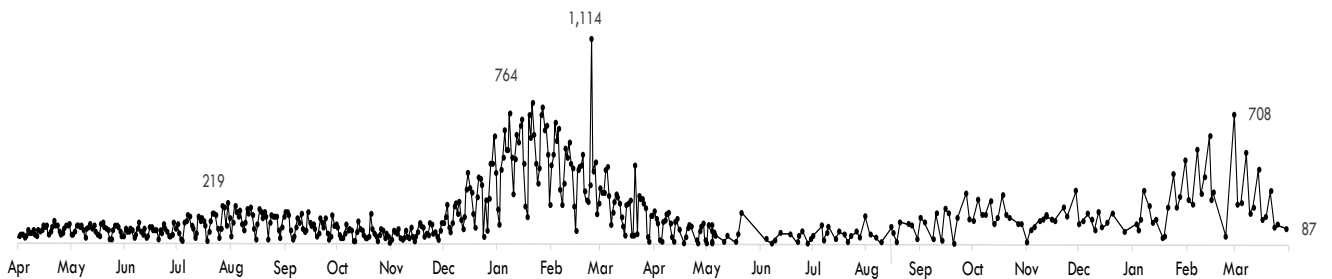
8,487,070 Cases
in California

88,043 Deaths
in California

Newly Reported Cases in California by Date



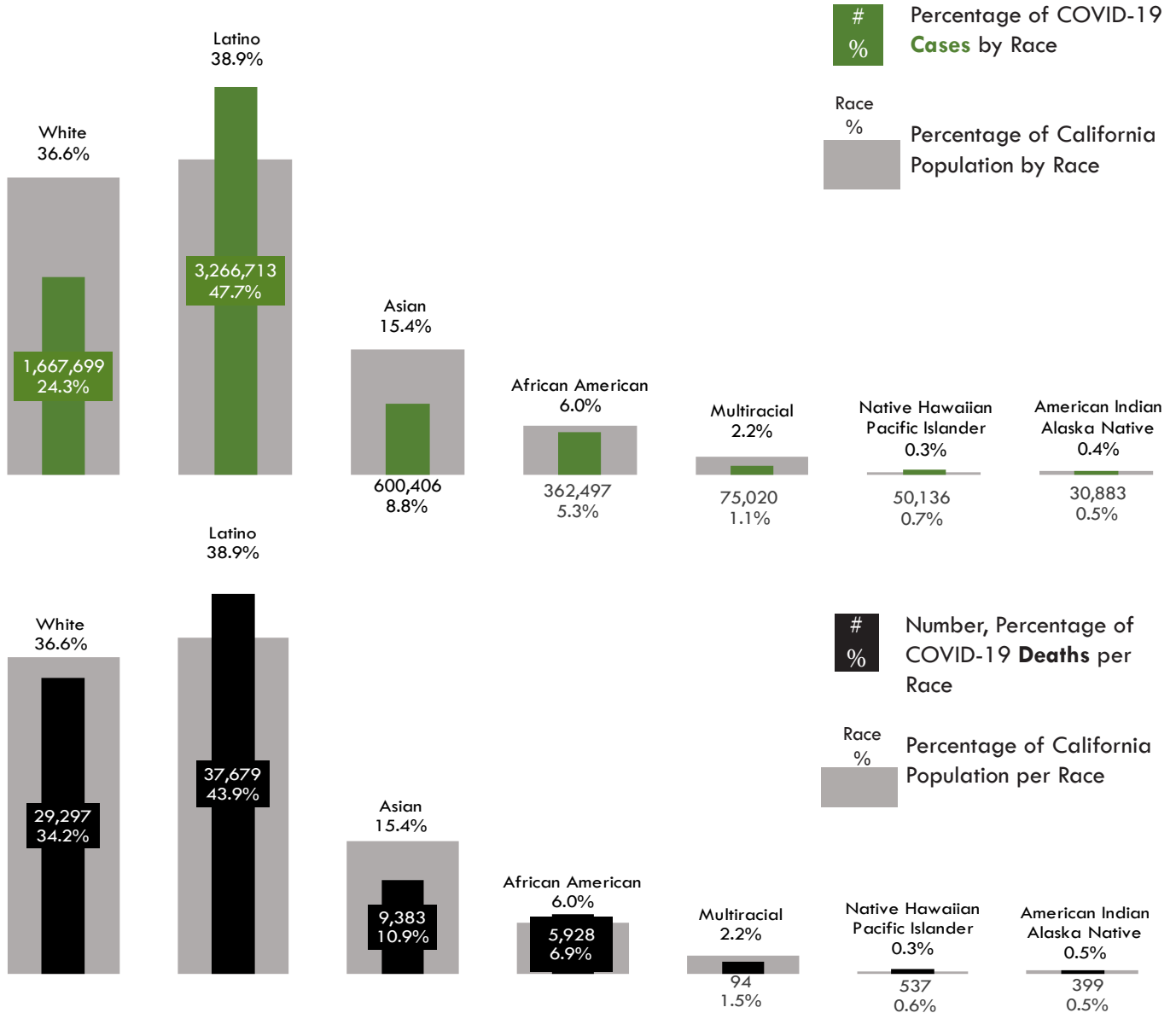
Newly Reported Deaths in California by Date



As of 3/30/2022. Source: CDPH

Racial distribution of confirmed COVID-19 cases and deaths in California

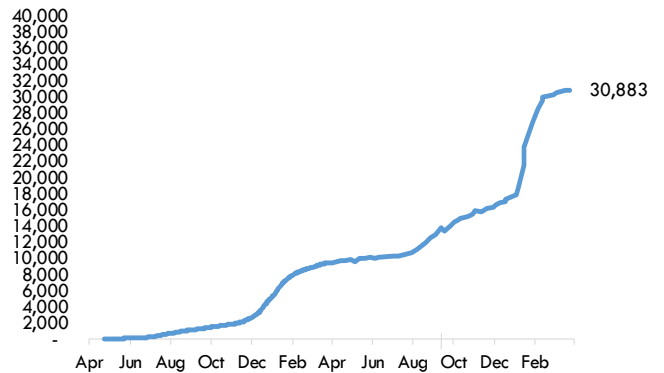
American Indians and Alaska Natives account for 0.5% percent of the population, **0.4% of COVID-19 cases**, and **0.4% of deaths** in California. This includes a total of **30,883 cases** and **399 deaths** among American Indian and Alaska Native people in California.



Note: 10% of cases and 1% of deaths are of unknown race/ethnicity. As of 3/25/2022. Source: CDPH

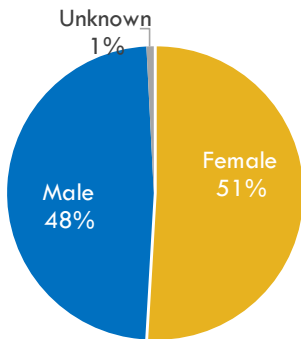
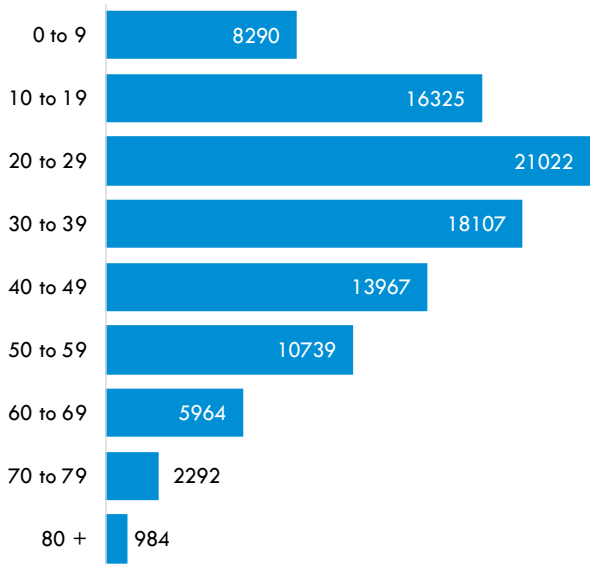
Data from California Department of Public Health (CDPH) include all positive cases of AIAN diagnosed in California.

As of 3/25/2022. Source: CDPH

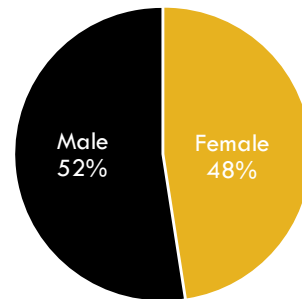
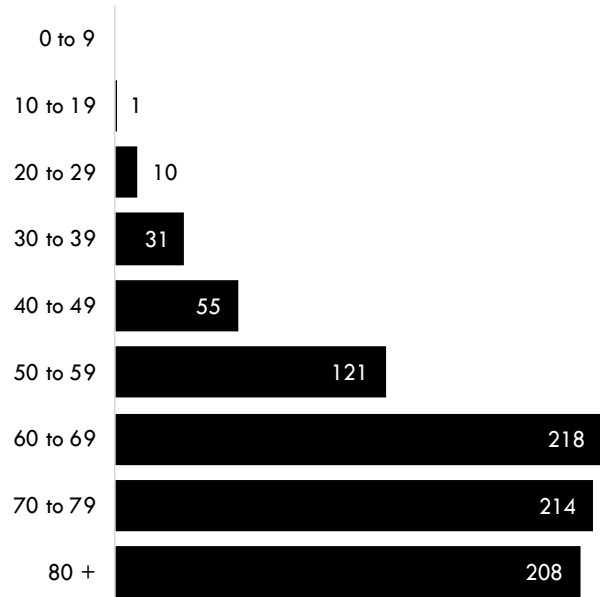


American Indian and Alaska Native (AIAN) data reported by California to the Centers for Disease Control and Prevention (CDC)

Positive COVID-19 cases among AIAN people in California by Age Group and Gender



COVID-19 deaths among AIAN people in California by Age Group and Gender



California Department of Public Health reports COVID-19 data on American Indian and Alaska Native (AIAN) people that only identify in one racial category. Below is a comparison using CDC's data on AIAN cases and deaths in California by racial classification, using a more restrictive definition (AIAN alone) versus a more comprehensive definition (AIAN in combination with other races/ethnicities).

	Cases	Deaths
AIAN alone	29,408	413
AIAN in combination	97,690	858

As of 3/25/2022. Source: CDC

Two sources for tracking American Indian and Alaska Native (AIAN) vaccinations administered in California

Data from [California Department of Public Health \(CDPH\)](#) does not include vaccines administered by Federal entities such as **Indian Health Service**, Department of Defense, U.S. Federal Bureau of Prisons, and Veterans Affairs.

72,725,111

Doses administered

3,529,263

People partially vaccinated

28,073,022

People fully vaccinated



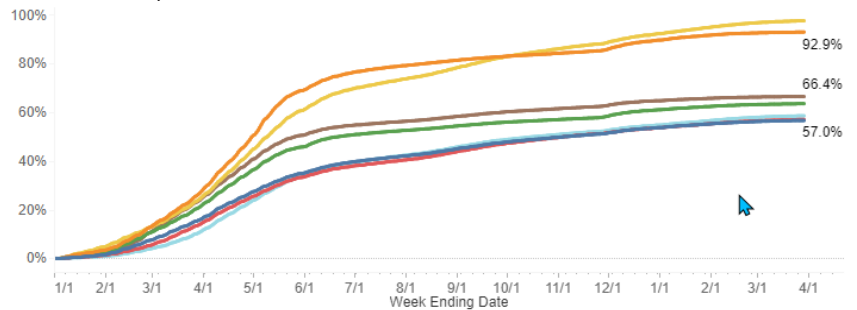
Doses administered by county of residence

Los Angeles	18,703,029
San Diego	6,741,875
Orange	5,912,318
Santa Clara	4,376,131
Alameda	3,562,241

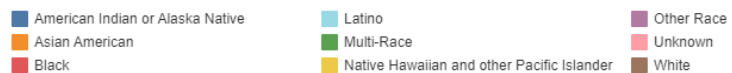
As of 3/30/2022. Source: CDPH

Fully Vaccinated by Race/Ethnicity, California

The graph to the right shows that as of March 30, 2022, 56.6% of the eligible AIAN population statewide has been fully vaccinated (vs. 66.4% among Whites)



Note: Population estimates do not include "other" or "unknown" race and ethnicity categories, therefore their percentage of state population is not available. Some race/ethnicity groups in this county may have small populations. Where the county of residence was not reported, the county where vaccinated is used. Data is not shown where there are fewer than 11 records in a group.



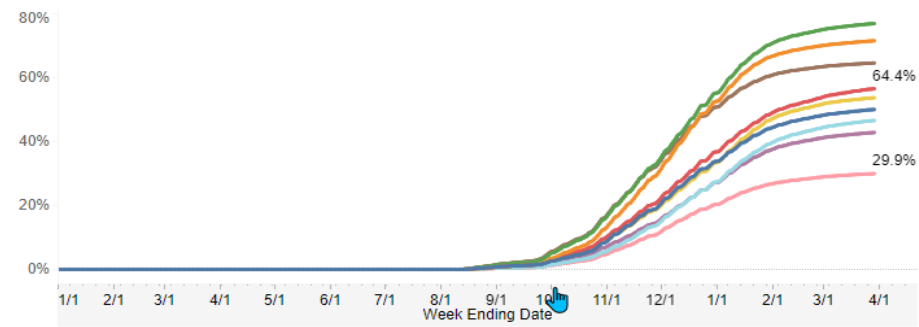
Vaccination Progress by Race/Ethnicity, California.

Race	Fully Vaccinated	Partially Vaccinated	Unvaccinated	Eligible Population
AIAN[^]	92,736 (56.6%)	16,541 (10.1%)	54,447 (33.3%)	163,724
Asian	4,615,807 (92.9%)	413,428 (8.3%)	*NA	4,968,603
Black	1,236,501 (57.0%)	130,975 (6.0%)	801,849 (37.0%)	2,169,325
Latino	8,649,055 (58.5%)	1,214,968 (8.2%)	4,915,286 (33.3%)	14,779,309
Native Hawaiian/ Pacific Islander	133,370 (97.5%)	15,664 (11.5%)	Unknown	136,761
White	9,612,136 (66.4%)	895,144 (6.2%)	3,960,385 (27.4%)	14,467,662
Multi-Race	640,054 (63.5%)	24,325 (2.4%)	343,913 (34.1%)	1,008,292
Other*	2,086,398	416,287	N/A	N/A
Unknown*	1,006,963	401,930	N/A	N/A

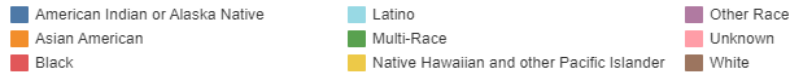
*Percentage of vaccinations not available.

[^]Does not include doses administered by IHS

Booster vaccination progress over time by race/ethnicity, California

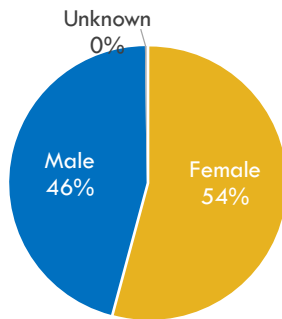


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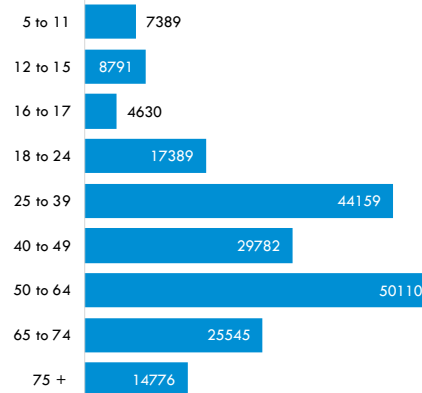
*As of 3/30/2022. Source: CDPH

COVID-19 Vaccine Distribution among AIAN in California by Gender



*As of 3/25/2022. Source: CDC

COVID-19 Vaccine Distribution among AIAN in California by Age Group



Data from the **Indian Health Service (IHS)** shows the total number of vaccine doses (Pfizer, Moderna, and Johnson & Johnson/Janssen) distributed and administered by IHS Area to date

Area	Total Doses Distributed	Total Doses Administered
Albuquerque	192,190	183,989
Bemidji	231,420	172,782
Billings	126,530	77,803
California	343,230	217,608
Great Plains	229,630	156,827
Nashville	152,440	108,082
Navajo	421,880	377,022
Oklahoma City	667,065	509,039
Phoenix	316,705	239,973
Portland	155,050	105,998
Tucson	15,990	11,845

*As of 3/30/2022. Source: IHS

American Indian and Alaska Native (AIAN) COVID-19 cases reported by local public health departments in selected California counties

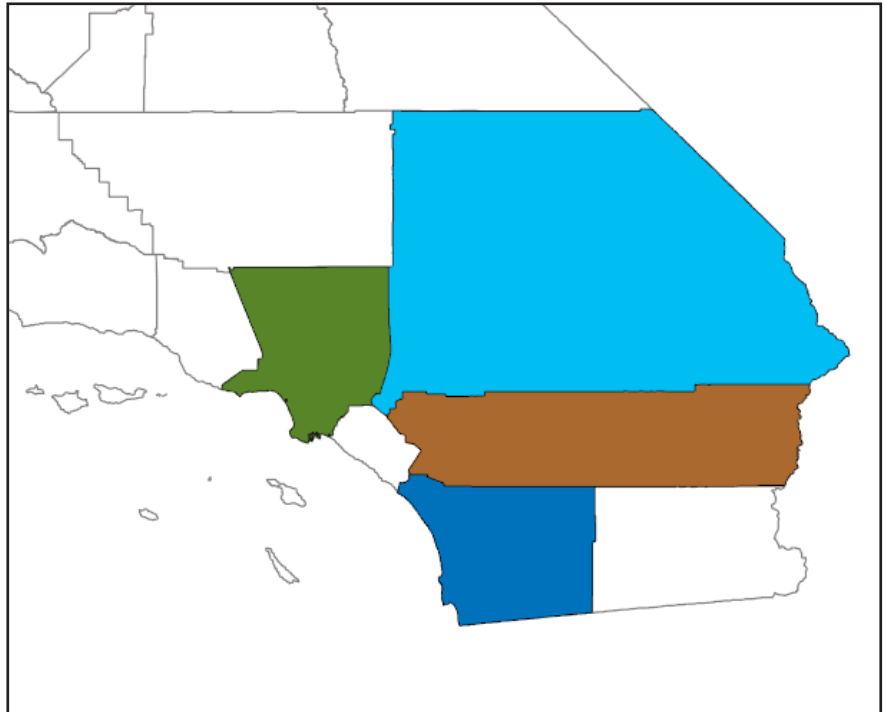
Los Angeles County*	
AIAN Cases	4,916
AIAN Deaths	73
AIAN Tested	20,175

*Note: Data do not include the Cities of Long Beach and Pasadena.

San Bernardino County	
AIAN Cases	7,037
AIAN Deaths	48

San Diego County	
AIAN Cases	2,959
AIAN Deaths	21
AIAN Tested	16,438

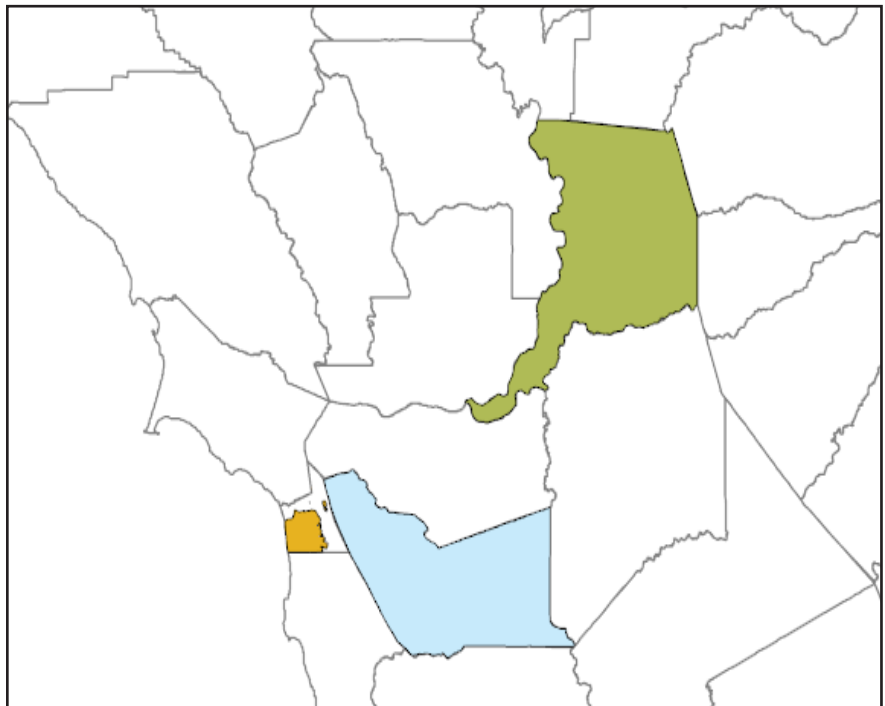
Riverside County	
AIAN Cases	2,565
AIAN Deaths	35



Sacramento County	
AIAN Cases	1,241
AIAN Deaths	19

San Francisco County	
AIAN Cases	307
AIAN Deaths	0

Alameda County	
AIAN Cases	718
AIAN Deaths	na



As of 3/30/2022. Source: County of Los Angeles Public Health, San Bernardino County Department of Public Health, San Diego County Communicable Disease Registry, Riverside University Health System-Public Health, Sacramento County Public Health, DataSF, and Alameda County Department of Public Health.