COVID-19 Data Report

Data through January 11, 2022 Updated January 12, 2022

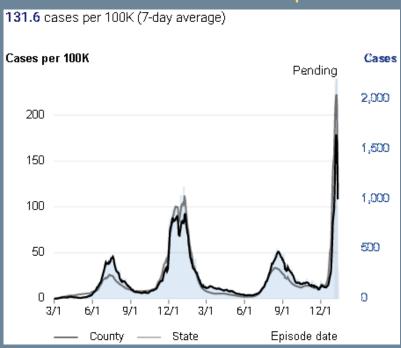
Update Schedule: Every Monday, Wednesday and Friday (excluding holidays) by 3pm



Total Number of Cases and Deaths

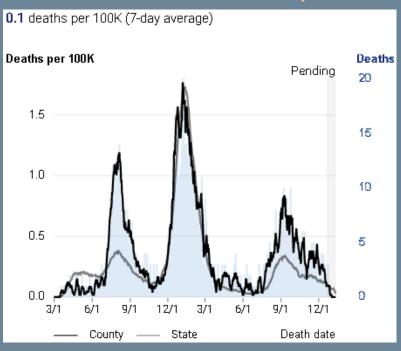
Total Cases

- Total Number of Cases: 118,755
- Total New Cases Since Previous Report: 943



Total Deaths

- Total Number of COVID-19 Related Deaths: 1,947
- Total New Deaths Since Previous Report: 21



Note: Case and Death Totals presented without lag. Case rate is based on a 7-day average with a 7-day lag. Rates of deaths is based on a 7-day average with a 21-day lag due to delays in receiving death certificates. Directional change is compared to the prior 7-day period Data is provided by the California Department of Public Health. The total number of cases and deaths noted here is since the beginning of the pandemic on March 1, 2020. Total new cases and new deaths are the difference between the updated weekly report and the previous report. Source: https://covid19.ca.gov/state-dashboard/

There are currently Data transmission issues causing major delays in case counts due to such a large influx of cases. This is an issue that is affecting other counties as well. We are currently reporting all available data until the issue is resolved.

Cases and Deaths by Jurisdiction

Jurisdiction	Case Total	New Cases	Death Total	New Deaths	Case Rate per 10K (Total)
Unincorporated	20,638	58	331	3	1,225.1
Escalon	1,200	1	19	0	1,604.7
Lathrop	3,949	42	33	0	1,471.7
Lodi	10,301	104	214	2	1,516.4
Manteca	11,274	72	181	2	1,329.5
Ripon	2,238	19	29	0	1,404.9
Stockton	49,466	440	965	14	1,553.0
Tracy	12,993	144	116	0	1,354.4

Note: New cases and deaths are new reports that were received since the last update. The total number of cases and deaths noted here is since the beginning of the pandemic on March 1, 2020.

Cases and Deaths by ZIP Code (1 of 2)

Zip Code	Case Count	New Cases	Death Count	New Deaths	Case Rate per 10K (Total)
95202	1,044	10	40	0	1,442.6
95203	2,541	18	45	0	1,438.4
95204	4,678	34	104	1	1,477.0
95205	6,631	12	149	1	1,544.5
95206	11,648	96	193	4	1,589.0
95207	8,023	71	191	5	1,511.0
95209	7,040	94	119	2	1,572.9
95210	6,452	65	132	0	1,456.8
95211	10	0	0	0	43.3
95212	4,538	57	61	0	1,595.3
95215	3,645	-1	72	1	1,375.4
95219	3,684	34	54	1	1,167.6
95220	860	12	16	1	1,069.4
95227	87	1	1	0	772.6
95230	48	1	1	0	914.3
95231	642	8	15	1	1,297.0
95234	0	0	0	0	0.0
95236	558	3	9	0	1,157.0
95237	491	6	6	0	1,383.1

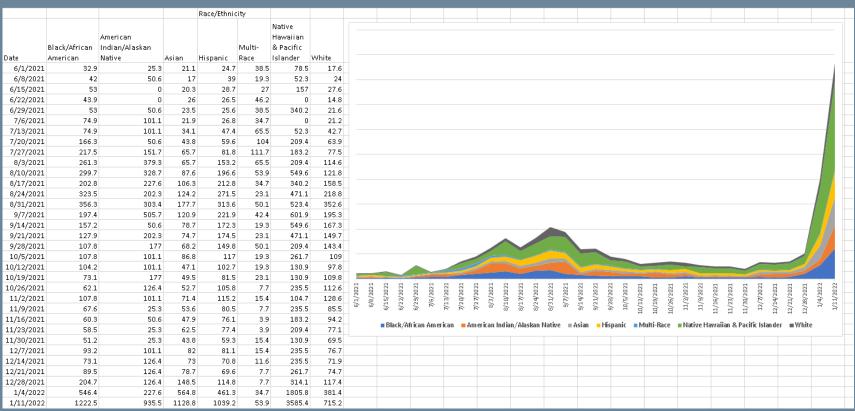
Note: New cases and deaths are new reports that were received since the last update. The total number of cases and deaths noted here is since the beginning of the pandemic on March 1, 2020.

Cases and Deaths by ZIP Code (2 of 2)

Zip Code	Case Count	New Cases	Death Count	New Deaths	Case Rate per 10K (Total)
95240	7,952	58	192	2	1,492.2
95242	3,643	49	50	0	1,268.1
95253	0	0	0	0	0.0
95254	0	0	0	0	0.0
95258	606	7	10	0	1,446.6
95304	1,905	15	14	0	1,102.0
95320	1,870	3	27	0	1,310.7
95330	3,989	45	34	0	1,975.7
95336	6,211	39	113	0	1,291.5
95337	5,942	43	84	2	1,667.4
95361	50	-1	2	0	822.4
95366	2,511	21	30	0	1,349.3
95367	2	0	0	0	606.1
95376	7,919	79	90	0	1,399.1
95377	4,642	57	24	0	1,327.8
95391	1,941	-56	6	0	825.8
95632	116	0	1	0	783.8
95686	140	0	3	0	920.4

Note: New cases and deaths are new reports that were received since the last update. The total number of cases and deaths noted here is since the beginning of the pandemic on March 1, 2020.

Case Rate Over Time by Race/Ethnicity

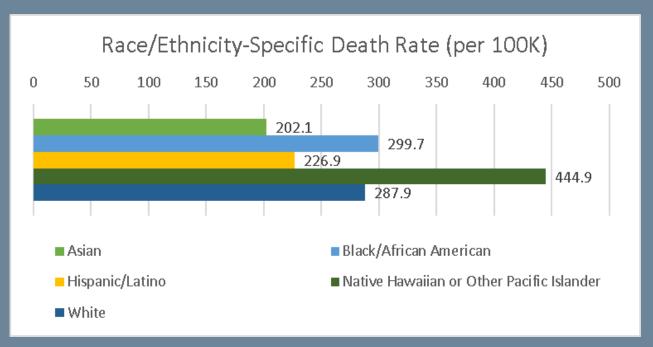


Notes: 7-day case rate (episode date with no lag). This stacked area shows the magnitude of change over time and to draw attention to total cases over time. American Indian/Alaskan Native and Native Hawaiian/Other Pacific Islander are now included in the graph, which has affected the color legend. Additionally, these race/ethnicity populations have unstable rates so use caution when interpreting their results.

- In August, there was an increase in case rate among our most prominent race/ethnicity populations within our County.
 (i.e. White, Hispanic)
- Since the beginning of September there has been a steady decrease in case rate among all race/ethnicity populations.
- In the end of October and into the beginning of November the was a slight increase in case rate among most race/ethnicity groups, which has since decreased.
- Since the end of November, there has been an increase in case rate among most race/ethnicity populations.

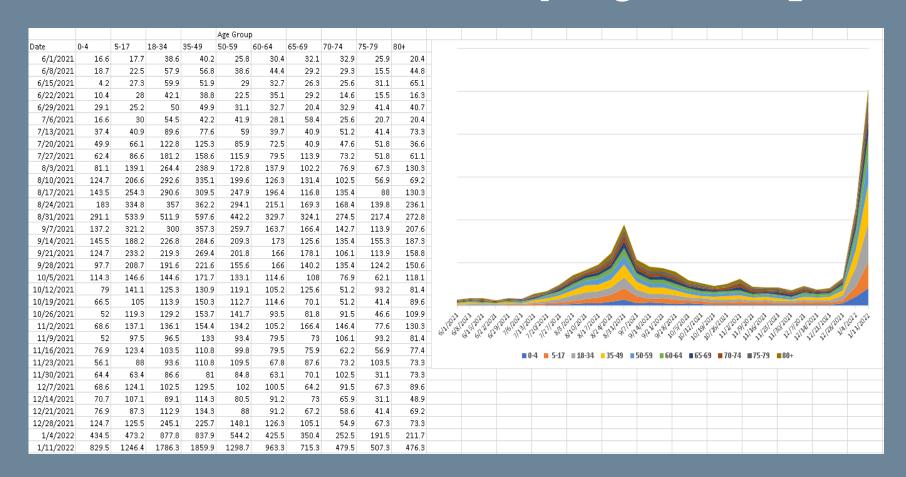
Deaths by Race/Ethnicity

Race/Ethnicity	% Pop	Total Deaths	% Deaths
Asian	15.7	249	12.8
Black/African American	7.0	164	8.4
Hispanic/Latino	40.9	727	37.3
Native Hawaiian or Other Pacific			
Islander	0.5	17	0.9
White	32.0	721	37.0



Note: The total number of deaths noted here is since the beginning of the pandemic on March 1, 2020. The Native Hawaiian or Other Pacific Islander population has an unstable rate so use caution when interpreting their results.

Case Rate Over Time by Age Group

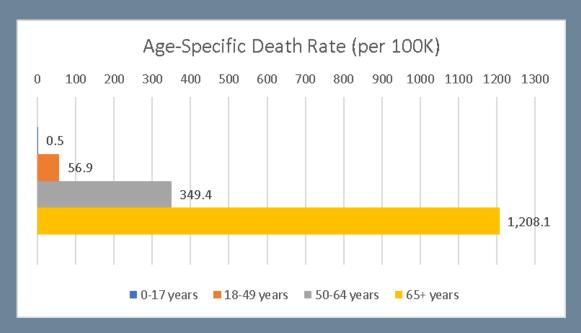


Note: 7-day case rate (episode date with no lag). This stacked area shows the magnitude of change over time and to draw attention to total cases over time.

- In August, there was a dramatic increase in case rate for 5-17-year-olds within our County.
- Since the beginning of September there has been a steady decrease in case rate among all age groups.
- In the end of October and into the beginning of November the was a slight increase in case rate among most age groups,
 which has since decreased.
- Since the end of November, the case rate amongst all age groups has increased in December.

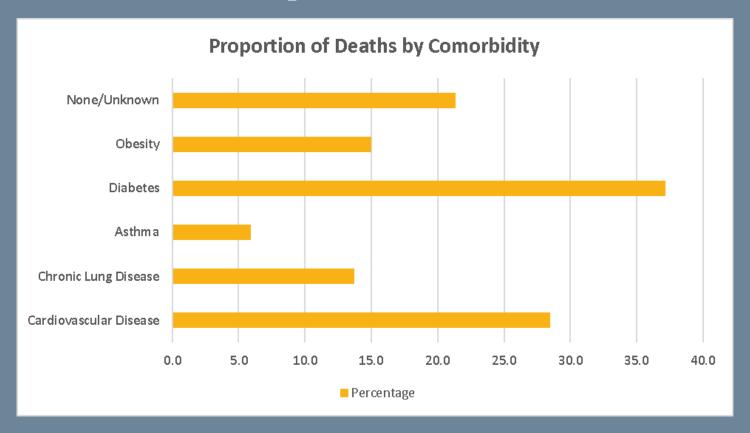
Deaths by Age Group

Age Group	% Pop	Total Deaths	% Deaths
0-17 years	24.9	1	0.1
18-49 years	44.3	197	10.1
50-64 years	17.4	475	24.4
65+ years	13.5	1274	65.4



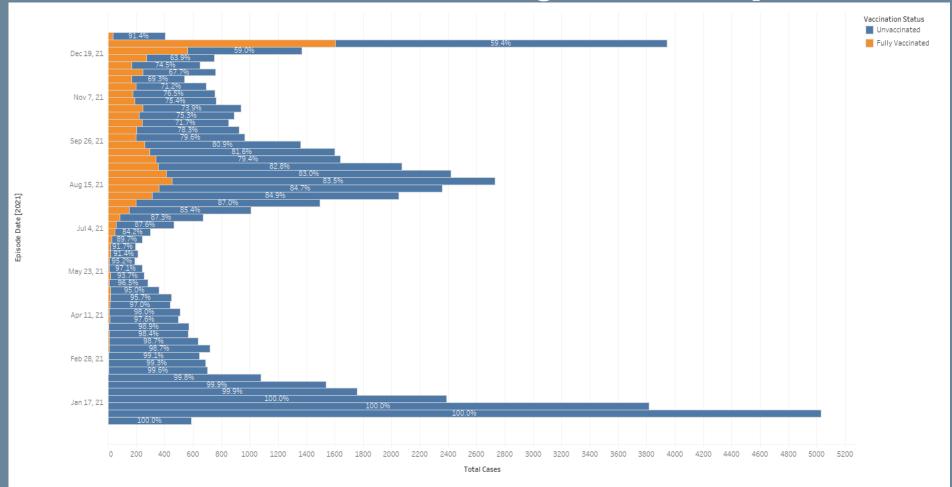
Note: The total number of deaths noted here is since the beginning of the pandemic on March 1, 2020.

Deaths by Comorbidities



Note: Will not total 100%. Cases may have more than one comorbidity.

Post-Vaccine Breakthrough Cases by Week

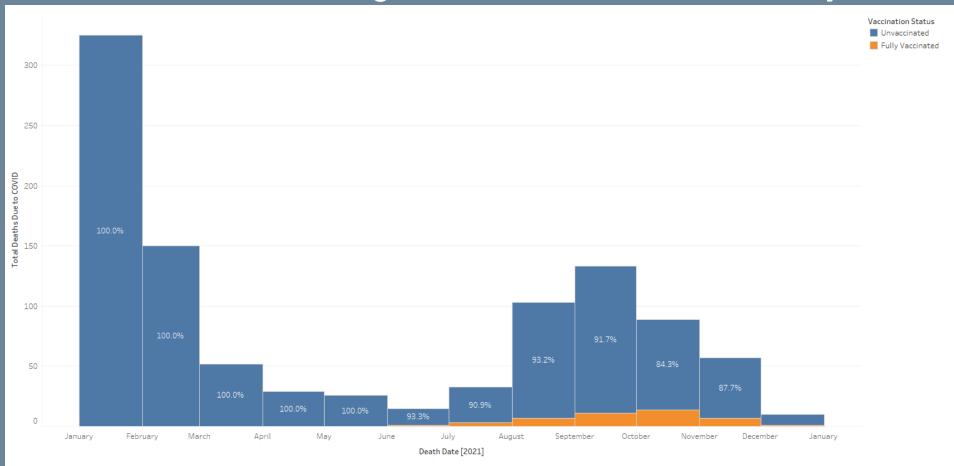


The plot of Total Cases for Episode Date Week. Color shows details about Vaccination Status. The marks are labeled by % of Total Cases, excluding Partially Vaccinated Cases. The data is filtered on Episode Date Year, which keeps 2021 and 2022.

Note: Case Vaccination Status determined by probabilistic matching of the immunization registry and case data, performed by the California Department of Public Health. Per the data provided by CDPH, the blue has been updated to only include Unvaccinated Cases. Partially Vaccinated Cases are not included in this data. Data through January 3, 2022. Updated every Friday.

- The total case count grew in the week of December 26, 2021, with unvaccinated cases making up around 59% of the total.
- 1.35% of our County's fully vaccinated population are breakthrough cases. (This is not depicted in the graph above)

Post-Vaccine Breakthrough COVID-19 Related Deaths by Month



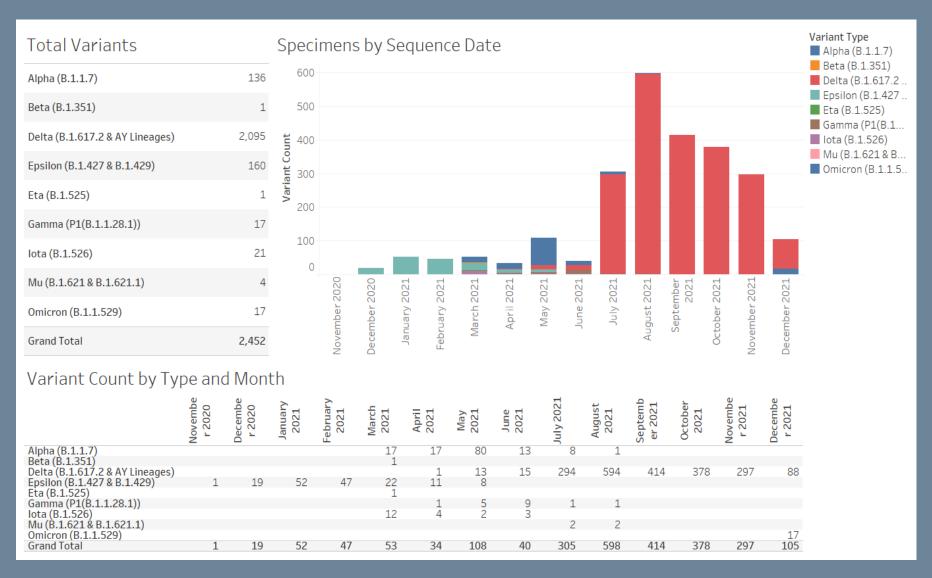
The plot of Total Deaths Due to COVID for Date of Death Month. Color shows details about Vaccination Status. The marks are labeled by % of Total Deaths Due to COVID, excluding Partially Vaccinated Cases. The data is filtered on Death Status, Date of Death Year, and COVID Death Status. The Death Status filter keeps Yes. The Date of Death Year filter keeps 2021 and 2022. The COVID Death Status filter keeps Yes.

Note: Case Vaccination Status determined by probabilistic matching of the immunization registry and case data, performed by the California Department of Public Health. Per the data provided by CDPH, the blue has been updated to only include Unvaccinated Cases. Partially Vaccinated Cases are not included in this data. Data through January 3, 2022.

Updated every Friday.

90% of the COVID-19 related deaths in December were unvaccinated San Joaquin County residents (excluding partially vaccinated cases).

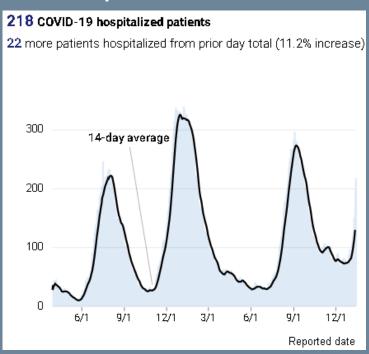
Variants of Interest/Concern



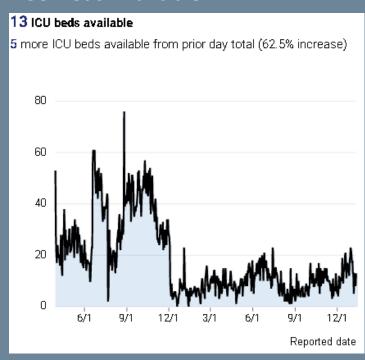
This slide includes only Electronic Lab Results. The data may differ from previous report since we are no longer counting manually entered results and only counting Electronic Labs results. There may be duplicate lab results that are currently being counted but are in the process of being cleaned from the data.

Total Hospitalizations and ICU Beds

Total Hospitalizations



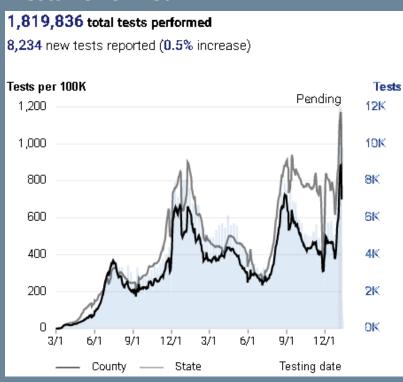
ICU Beds Available



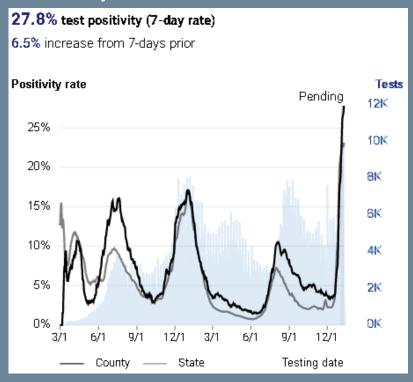
Note: Includes the number of licensed ICU beds and hospitalized patients in San Joaquin County, regardless of residency. Licensed ICU bed totals count the number of beds that can be staffed to provide intensive healthcare. Directional change is compared to the prior day. Data is provided by the California Department of Public Health. The total number is since the beginning of the pandemic on March 1, 2020. Source: https://covid19.ca.gov/state-dashboard/

Testing and Positivity Rate

Tests Performed



Positivity Rate

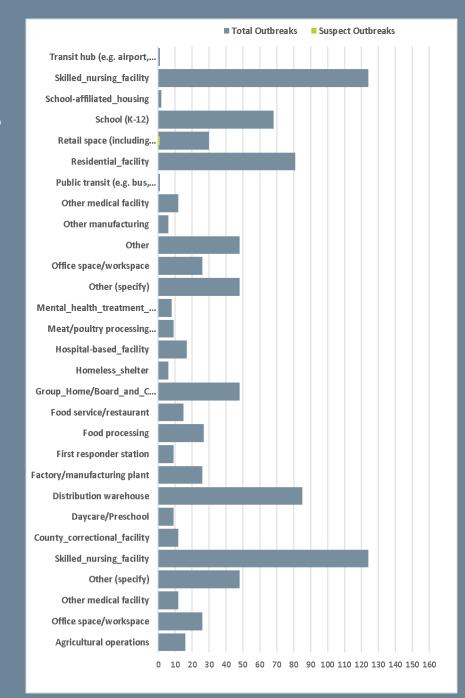


Note: Testing date is the date the test was administered. Test positivity is based on a 7-day average with no lag. Directional change is compared to the prior 7-day period. Data is provided by the California Department of Public Health. The total number is since the beginning of the pandemic on March 1, 2020. Source: https://covid19.ca.gov/state-dashboard/

Outbreaks by Industry

- Suspect outbreaks are outbreaks that have been reported to PHS since July '21 and are currently under investigation to determine whether the report constitutes a confirmed outbreak.
 - Suspect outbreak numbers can vary over time as information is verified.
- The same site can have multiple suspected outbreaks occurring at the same time.
- Total outbreaks are outbreaks that have been confirmed since the beginning of the pandemic, March 1, 2020.

(refer to Definitions - Outbreaks for more info)

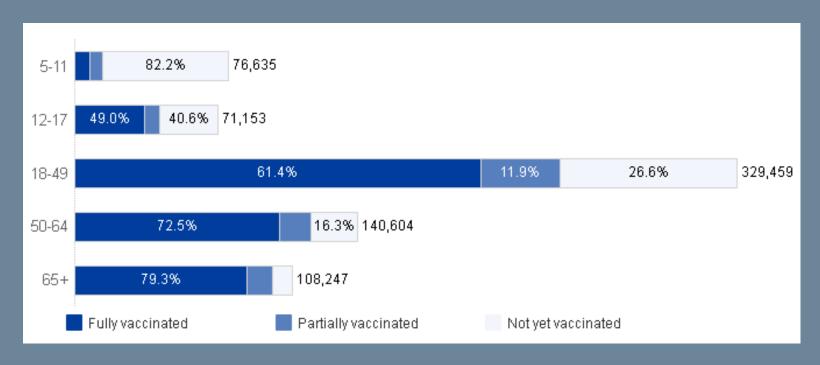


Vaccinations by Jurisdiction

Jurisdiction	Population	Total Vaccinations	Fully Vaccinated	% Fully Vaccinated	Partially Vaccinated	% Partially Vaccinated
Unincorporated	142,043	31,129	26,774	18.8	4,355	3.1
Escalon	6,746	6,970	6,177	91.6	793	11.8
Lathrop	20,571	20,661	17,994	87.5	2,667	13.0
Lodi	60,718	48,629	41,941	69.1	6,688	11.0
Manteca	73,611	61,161	53,736	73.0	7,425	10.1
Ripon	14,742	10,843	9,636	65.4	1,207	8.2
Stockton	286,655	242,363	205,457	71.7	36,906	12.9
Tracy	85,129	80,830	70,445	82.8	10,385	12.2
Unknown	n/a	1,382	959	n/a	423	n/a
Total	690,215	503,968	433,119	62.8	70,849	10.3

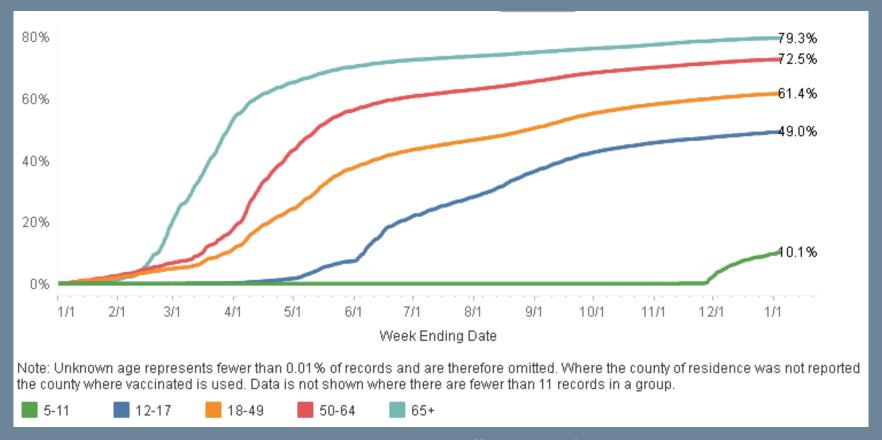
Note: Population estimates for each Jurisdiction have been updated to the 2019 American Community Survey (ACS) 5-Year Estimates. Population estimates are for individuals 5 years and older. The Total Population Estimate has been updated to the 2021 San Joaquin County Population Projection from the Department of Finance, to be consistent with the CDPH population denominator. Percentages may have changed due to the addition of 5-11 year olds to the vaccine eligible population.

Vaccination Progress by Age Group



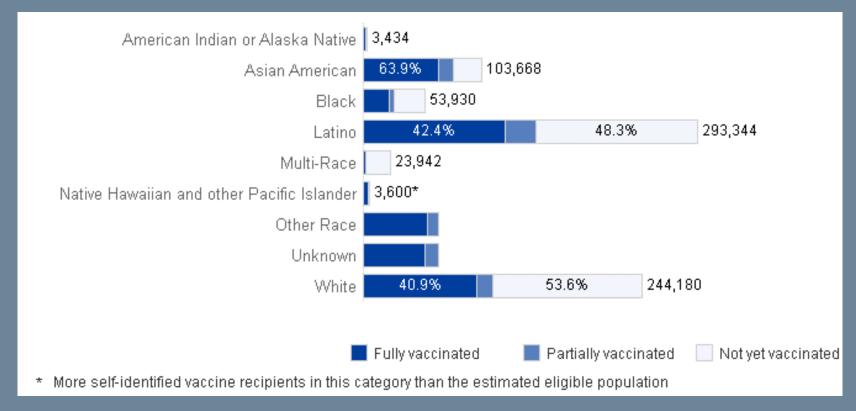
Note: Vaccination breakdowns are updated every Wednesday. Source: https://covid19.ca.gov/vaccination-progress-data/#equitably-across-groups

Fully Vaccinated Over Time by Age Group



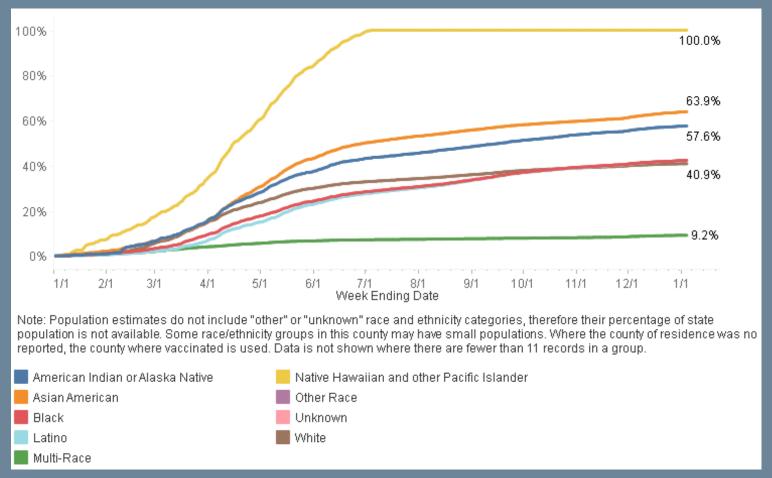
Note: Vaccination breakdowns are updated every Wednesday. Source: https://covid19.ca.gov/vaccination-progress-data/#equitably-across-groups

Vaccination Progress by Race/Ethnicity



Note: Vaccination breakdowns are updated every Wednesday. Source: https://covid19.ca.gov/vaccination-progress-data/#equitably-across-groups

Fully Vaccinated Over Time by Race/Ethnicity



Note: Vaccination breakdowns are updated every Wednesday. Source: https://covid19.ca.gov/vaccination-progress-data/#equitably-across-groups

Definitions - Cases, Deaths, and Positivity Rate

• Cases:

- <u>Confirmed:</u> Detection of SARS-CoV-2 RNA in a clinical specimen (swab) using a molecular amplification detection test (PCR).
 - A patient is counted only once if they have multiple positive tests.
- Not Counted: Antigen or antibody tests.
- Episode date is the estimated earliest date of the case's illness.

• Deaths:

- COVID-19 is listed as the leading cause of death or significant condition on the death certificate as per CDPH's definition. May be removed from the total once the final ICD-10 code is received.
- There is a substantial delay in receiving notification of deaths. Totals by week will change as PHS receives information.

Positivity Rate:

 Positivity rate is calculated as the number of positive molecular tests divided by the total molecular tests performed.

Definitions - Outbreaks

Health Care Facilities:

- Acute Hospital Facilities:
 - Patients: At least two lab confirmed COVID-19 in patients 7 days after admission for a non-COVID condition in which: (a) have a common source (i.e., unit and/or healthcare provider), (b) are not contacts to one another outside the facility, (c) are from different households.
 - Health Care Providers: 2-3 lab confirmed cases within two weeks in which (a) have a common source (i.e., unit), (b) are not contacts to one another outside the facility, (c) are from different households.
- Long-Term Care Facilities: At least one lab confirmed COVID-19 in a resident, that was acquired in the facility.

For more detailed information, refer to https://www.cdph.ca.gov/Programs/CHCQ/LCP/Pages/AFL-20-75.aspx

Non-Health Care Facilities:

- Residential Congregate Settings (non-healthcare): At least three probable or confirmed cases (residents and/or employees) within two weeks in which: (a) have common source and (b) are not identified as contacts to each other in any other case investigation.
 - Examples include dormitories, group homes, jails, prisons, shelters.
- <u>Non-Residential Congregate Settings (non-healthcare)</u>: At least three probable or confirmed cases within two weeks in which: (a) have a common source, (b) are from different households, (c) are not identified as contacts to each other in any other case investigation.
 - Examples include workplaces, childcare facilities, schools, weddings, churches.

For more detailed information, refer to https://www.cdph.ca.gov/Programs/CID/DCDC/Pages/COVID-19/OutbreakDefinitionandReportingGuidance.aspx

Sources

• Data Systems:

- California Reportable Disease Information Exchange (CalREDIE), Data Distribution Portal.
- California Connected System (CalCONNECT).
- Healthy Futures and California Immunization Registry (CAIR2).
- California Department Of Finance 2021 Population Projections.

Websites:

- "Tracking COVID-19 in California" https://covid19.ca.gov/state-dashboard/
- "Vaccination Progress Data" https://covid19.ca.gov/vaccination-progress-data/
- "California's Commitment to Health Equity" https://covid19.ca.gov/equity/

Disclaimers

- Data are preliminary and subject to change as information is verified. Numbers do not represent true dayover-day changes as these results include cases from prior days. This information may not match other state websites due to differences in when the data was pulled, and the data sources used.
- Case/Death Counts by Jurisdiction and ZIP Code are processed through geocoding software to determine if
 they are found within the City Limits or ZIP Code boundaries. Cases without a known address, cases that are
 homeless, and cases with street addresses that cannot be accurately located are not included in the
 Case/Death Counts but are included in the County total.
- <u>Variant cases:</u> Do not represent the total number of variant infections. Positive COVID-19 samples are randomly selected and tested by CDPH and other labs. San Joaquin County Public Health Services does not control any aspect of the sampling completed by CDPH or other labs.
- <u>Vaccinations</u>: Population estimates are for individuals 12 years and older. The reporting of vaccine administration data into the immunization registries is consistently an under-count of actual number of doses administered locally, due to incomplete and delayed reporting into these systems. Providers that receive the vaccine are responsible for entering information into an immunization registry (Healthy Futures or CAIR2). Vaccine administration data is extracted from these registries. Administered doses are not counted if there is uncertainty regarding the county of residence. If the patient's address is missing, their administration site (i.e., Dameron) will be used as a proxy. May not include the following vaccinations of San Joaquin Residents: Individuals vaccinated but are not reported in California Immunization Registries or vaccinated at Federal facilities (VA, Prisons, Skilled Nursing Facilities).
- <u>For ">99.9%" values:</u> These values should be interpreted with caution as they may result from numerator-denominator mismatches for the following reasons: 1) Population projections are estimates and thus have a margin of error; this error can result in >99.9% values particularly for small populations. 2) Individuals identifying with race/ethnic groups outside of Federal Office of Management and Budget (OMB) classifications may cause those groups to exceed 99.9% (e.g. Asian ethnicities identifying as NHPI). 3) Metrics for small populations may be disproportionately affected by geocoding errors or non-resident individuals.