

COVID-19 Data Report

Data through December 19, 2021

Updated December 20, 2021

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

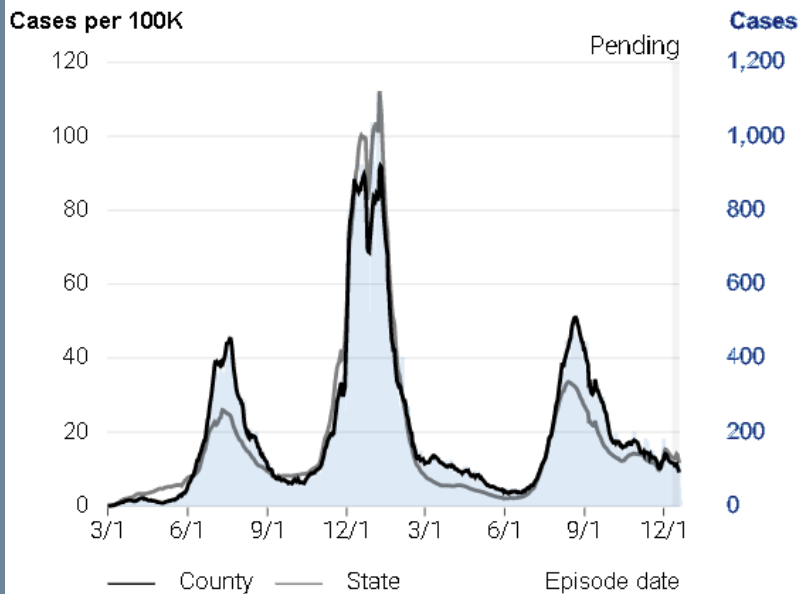


Total Number of Cases and Deaths

Total Cases

- Total Number of Cases: 104,926
- Total New Cases Since Previous Report: 355

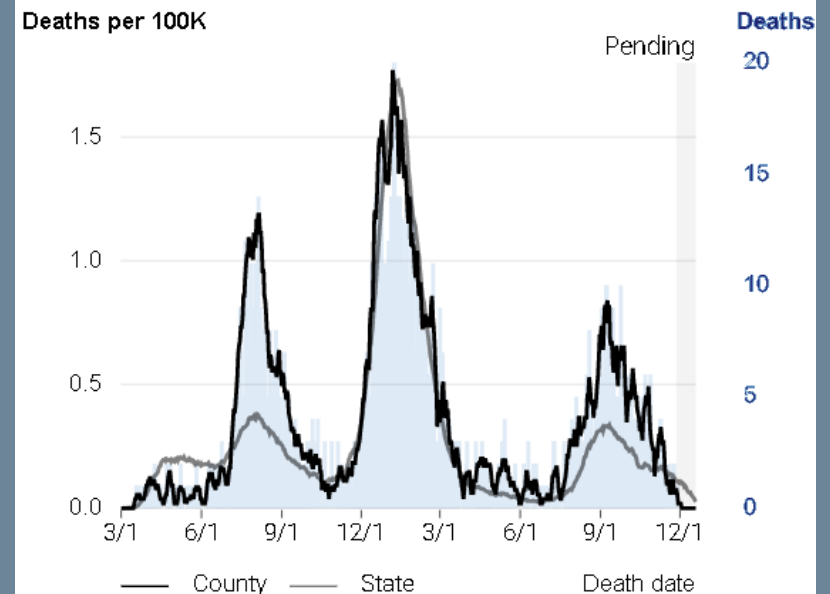
11.6 cases per 100K (7-day average)



Total Deaths

- Total Number of COVID-19 Related Deaths: 1,864
- Total New Deaths Since Previous Report: 3

0.1 deaths per 100K (7-day average)



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/>

Cases and Deaths by Jurisdiction

Jurisdiction	Case Total	New Cases	Death Total	New Deaths	Case Rate per 10K (Total)
Unincorporated	18,358	79	321	0	1,089.7
Escalon	1,112	4	18	0	1,487.0
Lathrop	3,389	9	29	0	1,263.0
Lodi	9,194	33	208	0	1,353.5
Manteca	10,171	31	167	0	1,199.4
Ripon	2,028	12	29	0	1,273.1
Stockton	43,920	143	924	3	1,378.9
Tracy	10,961	36	112	0	1,142.6

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	958	5	40	1	1,323.8
95203	2,315	8	44	1	1,310.4
95204	4,158	16	100	0	1,312.8
95205	6,130	15	140	0	1,427.8
95206	10,518	37	185	0	1,434.9
95207	7,061	23	181	0	1,329.8
95209	6,101	10	115	1	1,363.1
95210	5,787	27	129	0	1,306.7
95211	9	0	0	0	38.9
95212	3,906	14	59	0	1,373.1
95215	3,372	11	68	0	1,272.4
95219	3,115	12	49	0	987.3
95220	753	4	14	0	936.3
95227	78	1	1	0	692.7
95230	46	0	1	0	876.2
95231	620	2	18	0	1,252.5
95234	0	0	0	0	0.0
95236	520	4	8	0	1,078.2
95237	426	6	6	0	1,200.0

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.

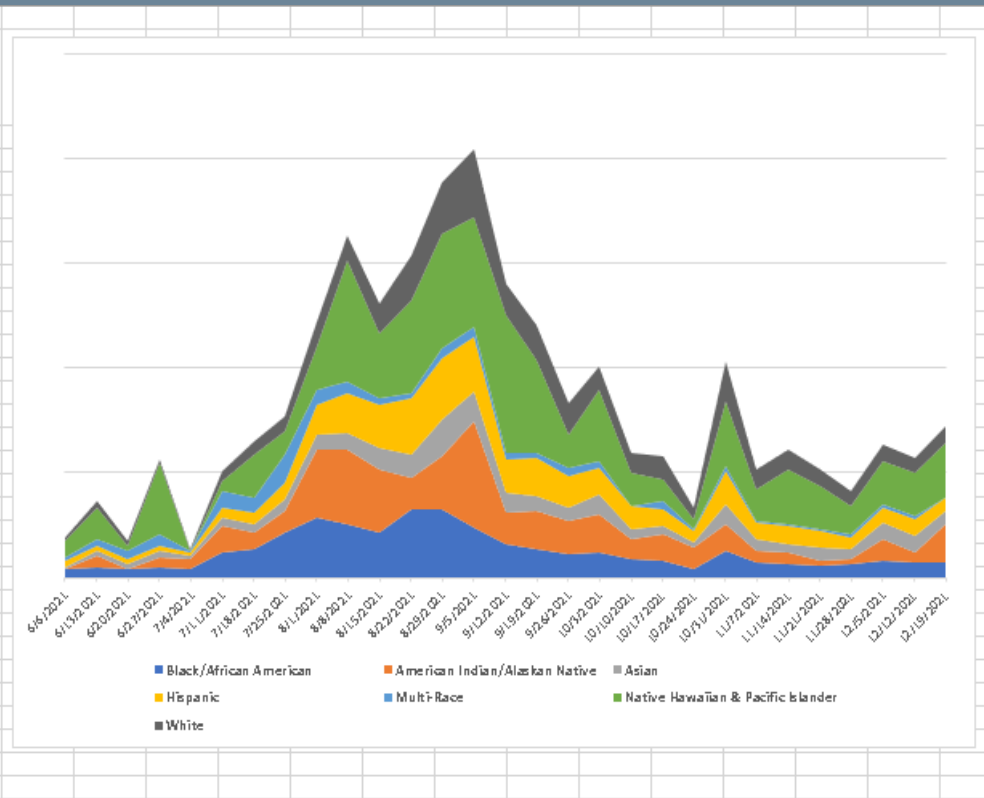
Cases and Deaths by ZIP Code (2 of 2)

Zip Code	Case Count	New Cases	Death Count	New Deaths	Case Rate per 10K (Total)
95240	7,246	26	187	0	1,359.8
95242	3,113	14	49	0	1,083.6
95253	0	0	0	0	0.0
95254	0	0	0	0	0.0
95258	529	2	10	0	1,262.8
95304	1,619	4	13	0	936.5
95320	1,740	5	26	0	1,219.6
95330	3,424	9	30	0	1,695.9
95336	5,634	8	109	0	1,171.6
95337	5,330	28	74	0	1,495.6
95361	42	0	2	0	690.8
95366	2,289	13	30	0	1,230.0
95367	2	0	0	0	606.1
95376	6,859	20	89	0	1,211.8
95377	3,781	15	22	0	1,081.6
95391	1,426	6	6	0	606.7
95632	109	2	0	0	736.5
95686	117	0	3	0	769.2

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

Date	Race/Ethnicity							
	Black/African American	American Indian/Alaskan Native	Asian	Hispanic	Multi-Race	Native Hawaiian & Pacific Islander	White	
6/6/2021	36.5	0	13	32.8	11.6	78.5	18.8	
6/13/2021	51.2	50.6	21.9	29.3	27	157	27.6	
6/20/2021	42	0	21.9	24.3	38.5	26.2	18.4	
6/27/2021	45.7	50.6	27.6	29	53.9	340.2	18.4	
7/4/2021	38.4	50.6	11.4	15.6	7.7	0	13.6	
7/11/2021	118.8	126.4	37.3	52.1	77	52.3	43.9	
7/18/2021	135.2	75.9	41.4	55.2	69.3	209.4	60.3	
7/25/2021	213.8	101.1	58.4	78	138.7	104.7	72.7	
8/1/2021	283.2	328.7	68.2	145.4	69.3	209.4	114.2	
8/8/2021	257.7	354	82	183.5	61.6	575.8	115.8	
8/15/2021	213.8	303.4	103.9	201.6	30.8	314.1	140.2	
8/22/2021	321.6	151.7	116	263.7	27	444.9	212.4	
8/29/2021	327.1	252.8	170.4	295.5	46.2	549.6	240.8	
9/5/2021	241.2	505.7	138.8	265.9	42.4	523.4	327	
9/12/2021	159	151.7	90.9	163.8	30.8	654.3	152.1	
9/19/2021	138.9	177	71.4	187.2	19.3	444.9	166.5	
9/26/2021	115.1	151.7	67.4	151	38.5	157	149.7	
10/3/2021	122.4	177	96.6	125.5	30.8	340.2	117	
10/10/2021	84.1	101.1	46.3	105.8	7.7	157	91	
10/17/2021	78.6	126.4	43.8	79.6	34.7	104.7	114.2	
10/24/2021	42	101.1	23.5	55.9	3.9	52.3	57.5	
10/31/2021	126.1	126.4	96.6	161.7	19.3	314.1	183.7	
11/7/2021	73.1	50.6	59.2	80.2	3.9	157	87.9	
11/14/2021	67.6	50.6	42.2	86.4	3.9	261.7	95.4	
11/21/2021	54.8	25.3	66.5	78.6	3.9	209.4	77.9	
11/28/2021	60.3	25.3	47.1	59.3	15.4	130.9	74.3	
12/5/2021	82.2	101.1	74.7	75.5	15.4	209.4	73.5	
12/12/2021	71.3	50.6	80.3	76.5	11.6	209.4	67.5	
12/19/2021	74.9	177	69	61.5	0	261.7	79.1	

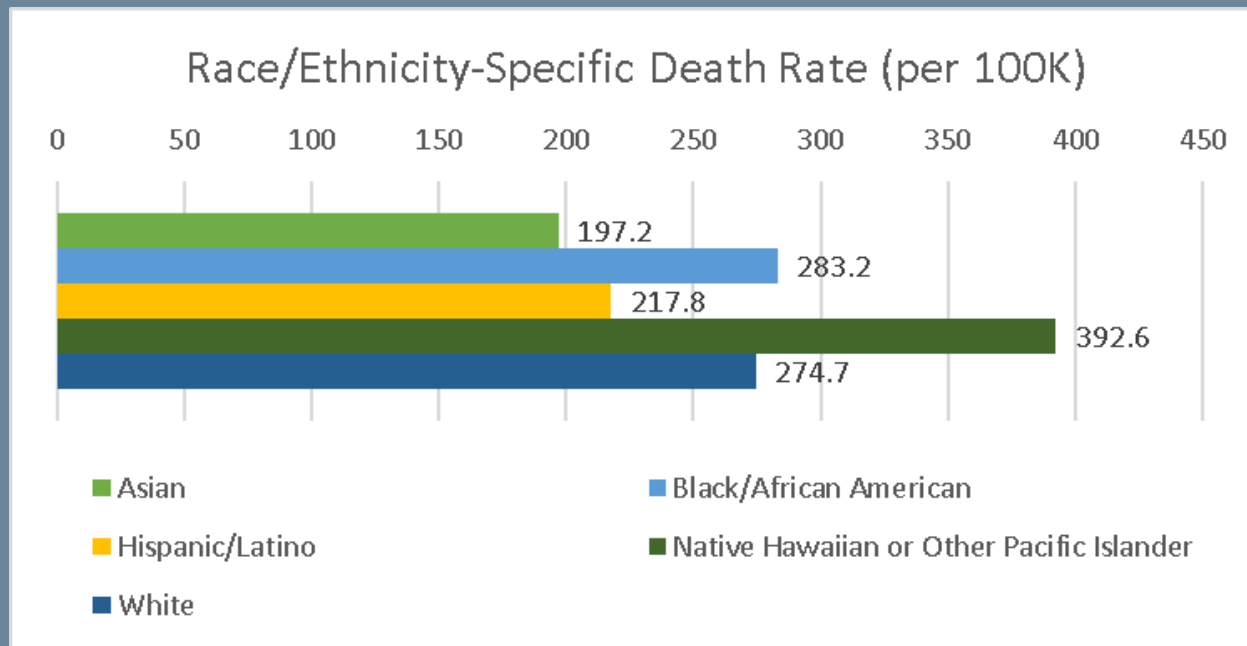


Notes: 7-day case rate (episode date with no lag). This stacked area shows the magnitude of change over time and to draw attention to total cases over time. American Indian/Alaskan Native and Native Hawaiian/Other Pacific Islander are now included in the graph, which has affected the color legend. Additionally, 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 there was a slight increase in case rate among most race/ethnicity groups, which has since decreased.
- Since the end of November, there has been a slight increase in case rate among most race/ethnicity populations.

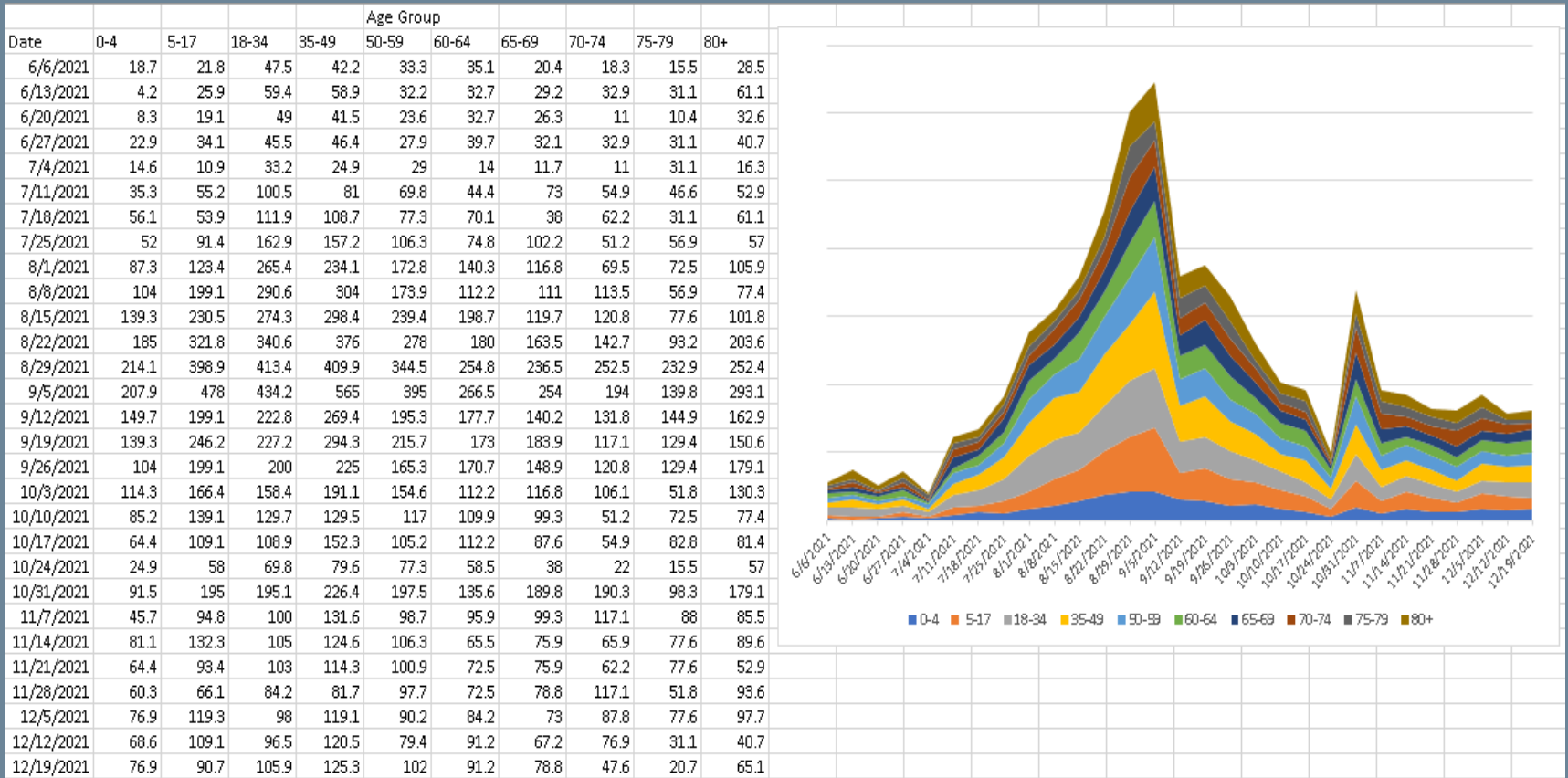
Deaths by Race/Ethnicity

Race/Ethnicity	% Pop	Total Deaths	% Deaths
Asian	15.7	243	13.0
Black/African American	7.0	155	8.3
Hispanic/Latino	40.9	698	37.4
Native Hawaiian or Other Pacific Islander	0.5	15	0.8
White	32.0	688	36.9



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

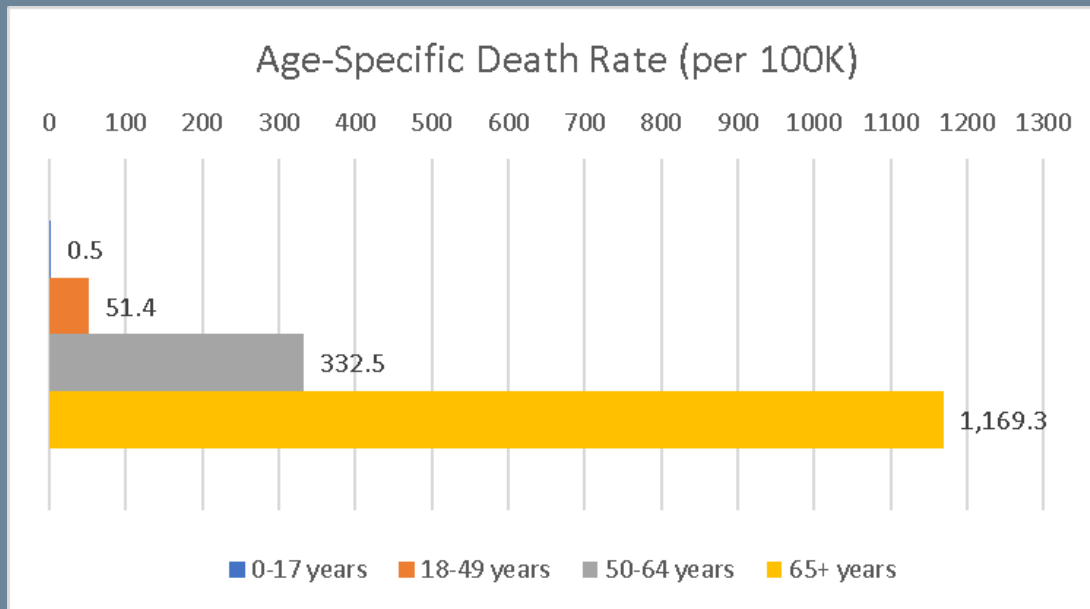


Note: 7-day case rate (episode date with no lag). This stacked area shows the magnitude of change over time and to draw attention to total cases over time.

- 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 there 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 remained steady into December.

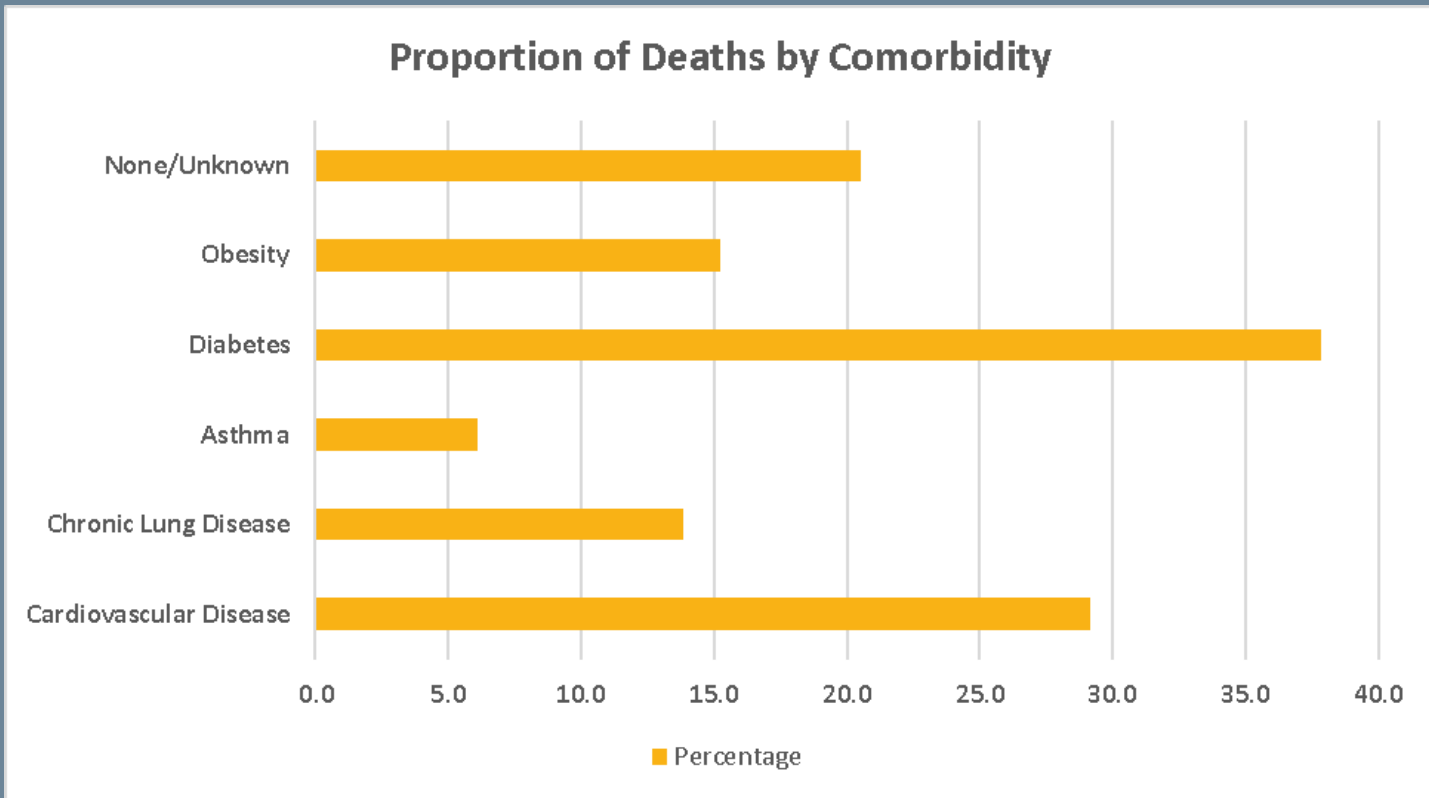
Deaths by Age Group

Age Group	% Pop	Total Deaths	% Deaths
0-17 years	24.9	1	0.1
18-49 years	44.3	178	9.5
50-64 years	17.4	452	24.2
65+ years	13.5	1233	66.1



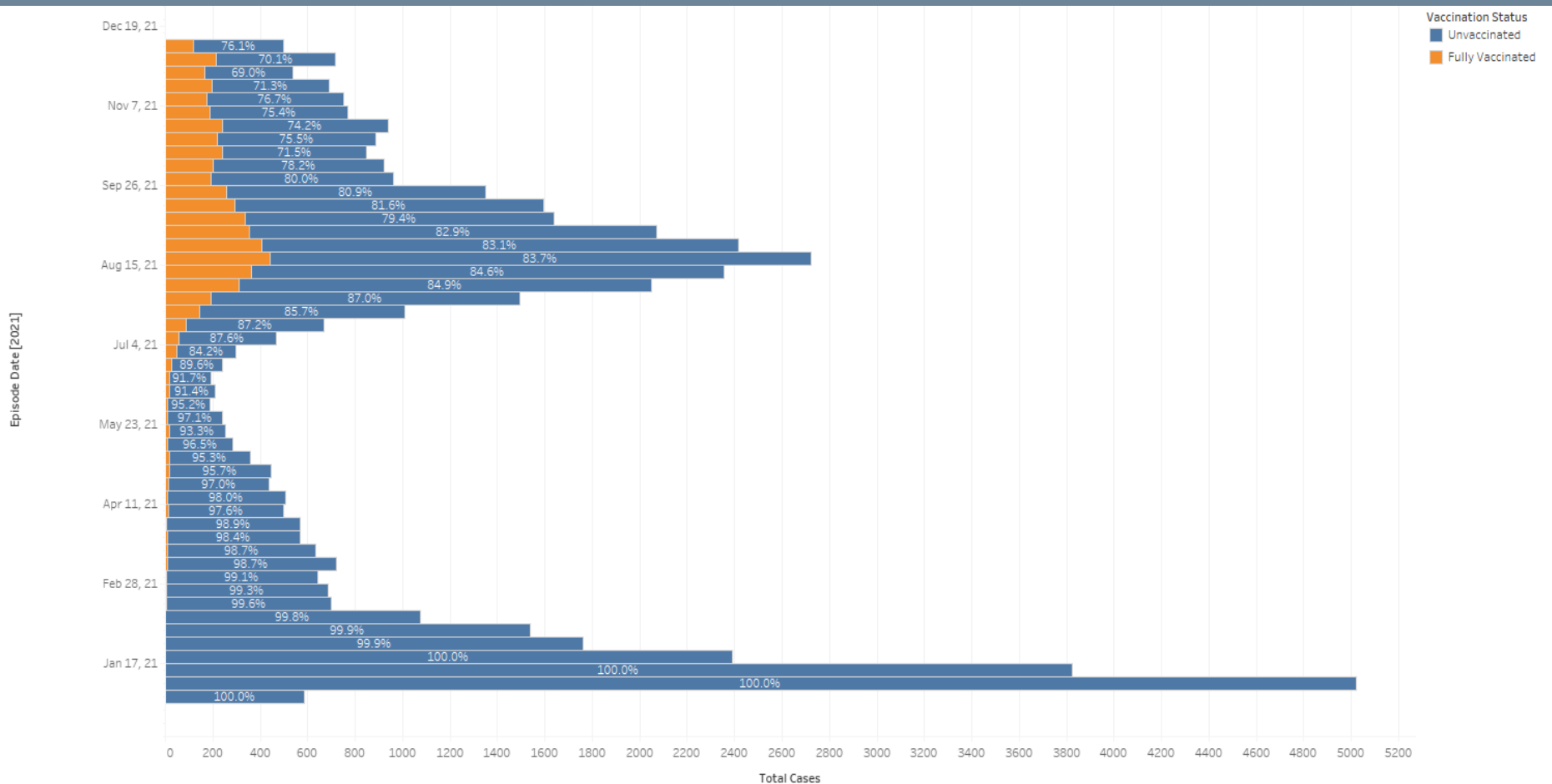
Note: The total number of deaths noted here is since the beginning of the pandemic on March 1, 2020.

Deaths by Comorbidities



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

Post-Vaccine Breakthrough Cases by Week

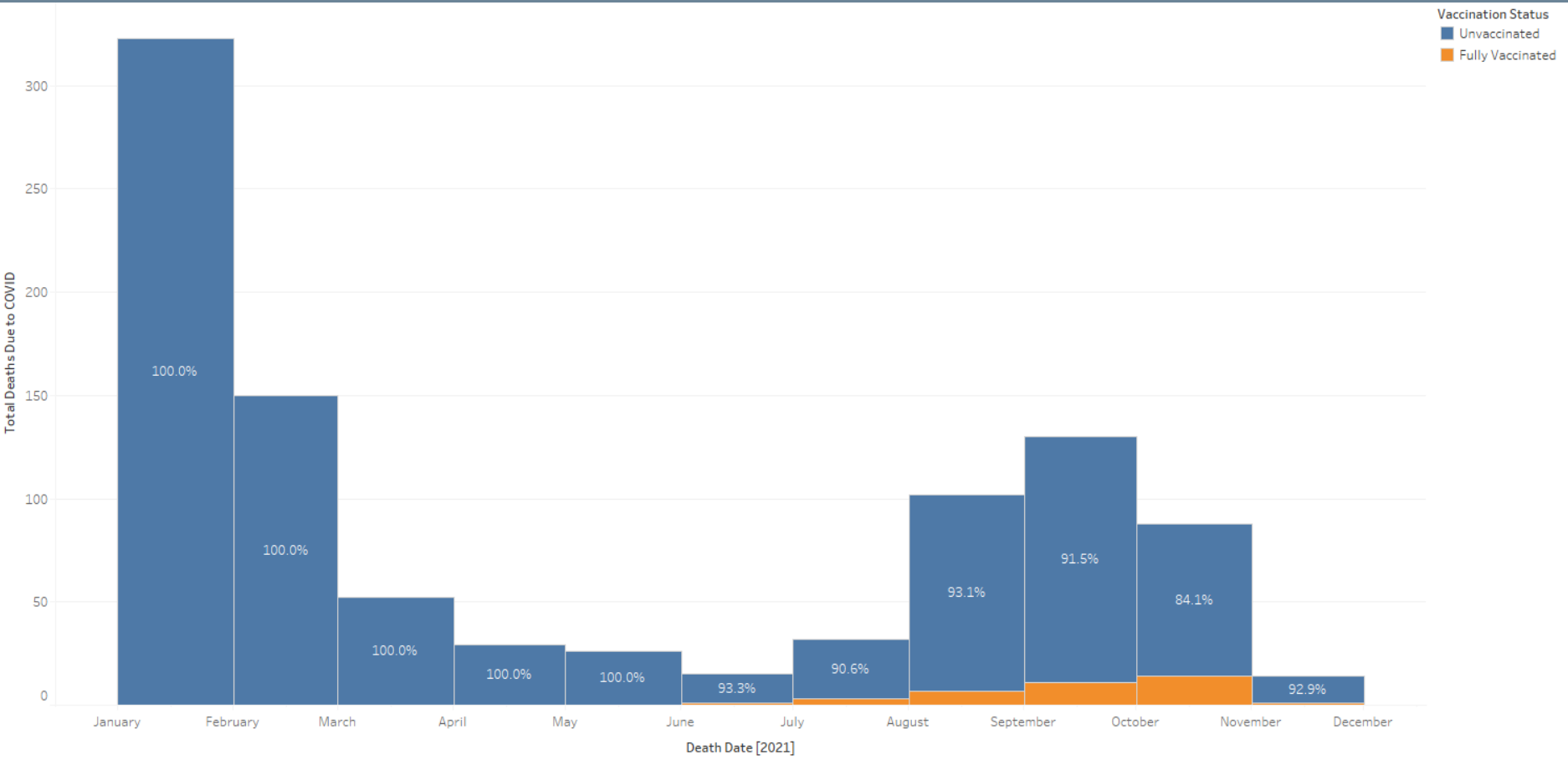


The plot of Total Cases for Episode Date Week. Color shows details about Vaccination Status. The marks are labeled by % of Total Cases, excluding Partially Vaccinated Cases. The data is filtered on Episode Date Year, which keeps 2021.

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 December 11, 2021. Updated every Friday.

- Around 70% of the cases in November were unvaccinated (excluding partially vaccinated cases).
- 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. 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 December 11, 2021. Updated every Friday.

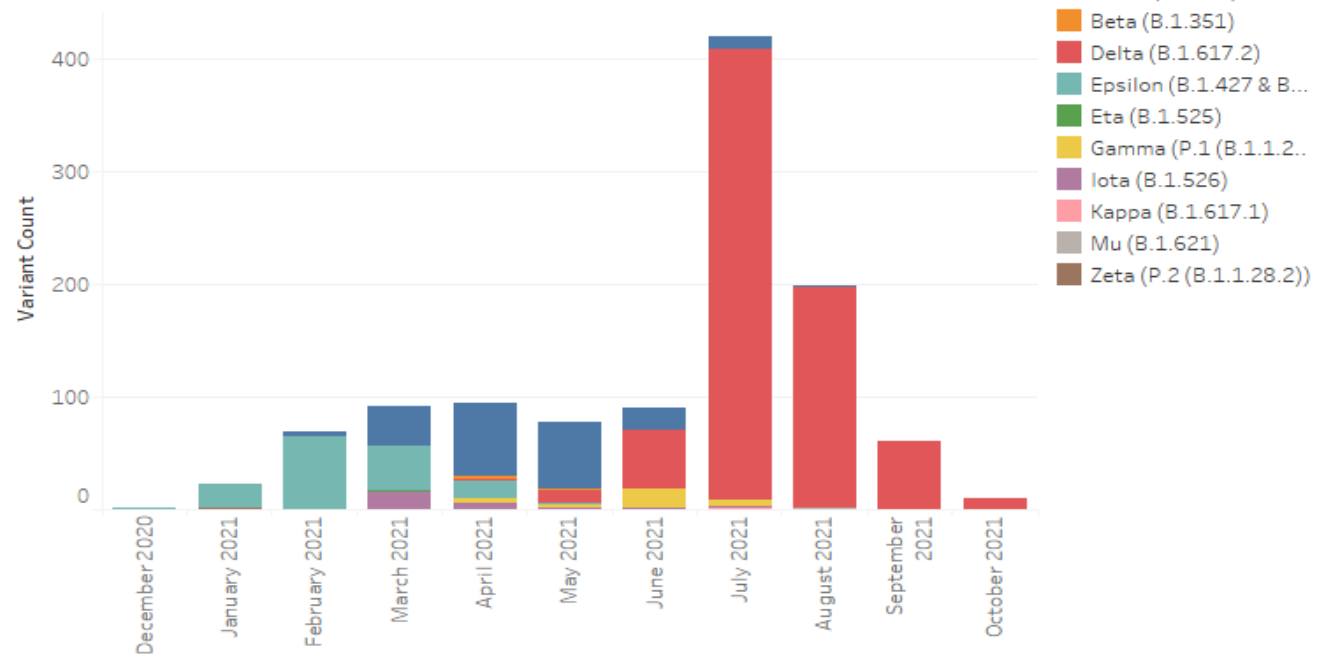
- **Over 90% of the COVID-19 related deaths in November were unvaccinated San Joaquin County residents (excluding partially vaccinated cases).**

Variants of Interest/Concern

Total Variants

Alpha (B.1.1.7)	197
Beta (B.1.351)	3
Delta (B.1.617.2)	731
Epsilon (B.1.427 & B.1.429)	144
Eta (B.1.525)	2
Gamma (P.1 (B.1.1.28.1))	28
Iota (B.1.526)	26
Kappa (B.1.617.1)	1
Mu (B.1.621)	2
Zeta (P.2 (B.1.1.28.2))	1
Grand Total	1,135

Specimens by Sequence Date



Variant Count By Type and Month

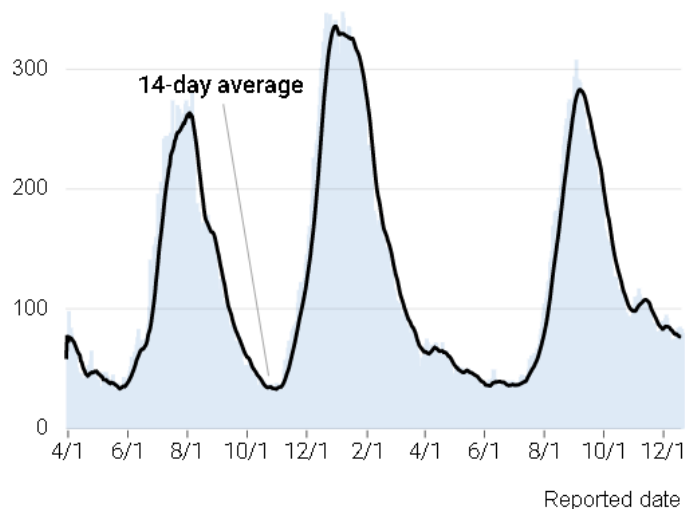
	December 2020	January 2021	February 2021	March 2021	April 2021	May 2021	June 2021	July 2021	August 2021	September 2021	October 2021
Alpha (B.1.1.7)			4	35	65	59	20	12	2		
Beta (B.1.351)					2	1					
Delta (B.1.617.2)					1	12	52	399	196	61	10
Epsilon (B.1.427 & B.1.429)	1	22	65	39	16	1					
Eta (B.1.525)				2							
Gamma (P.1 (B.1.1.28.1))					4	2	16	6			
Iota (B.1.526)				15	6	2	1	2			
Kappa (B.1.617.1)								1			
Mu (B.1.621)							1		1		
Zeta (P.2 (B.1.1.28.2))		1									
Grand Total	1	23	69	91	94	77	90	420	199	61	10

Total Hospitalizations and ICU Beds

Total Hospitalizations

80 COVID-19 hospitalized patients

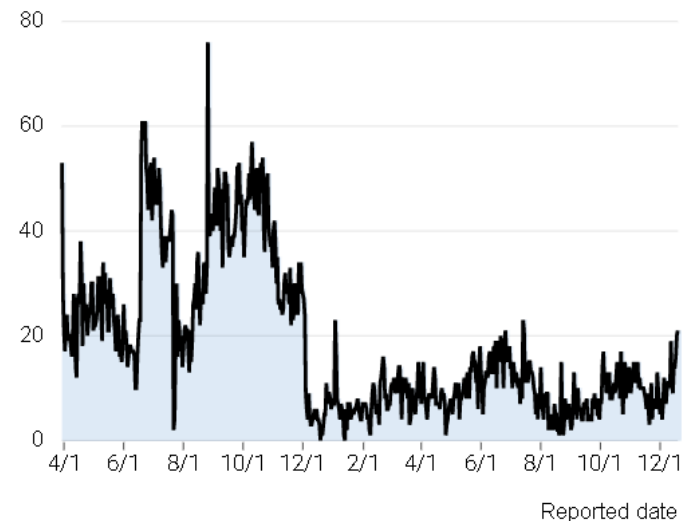
3 fewer patients hospitalized from prior day total (3.6% decrease)



ICU Beds Available

21 ICU beds available

1 more ICU beds available from prior day total (5.0% increase)



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.

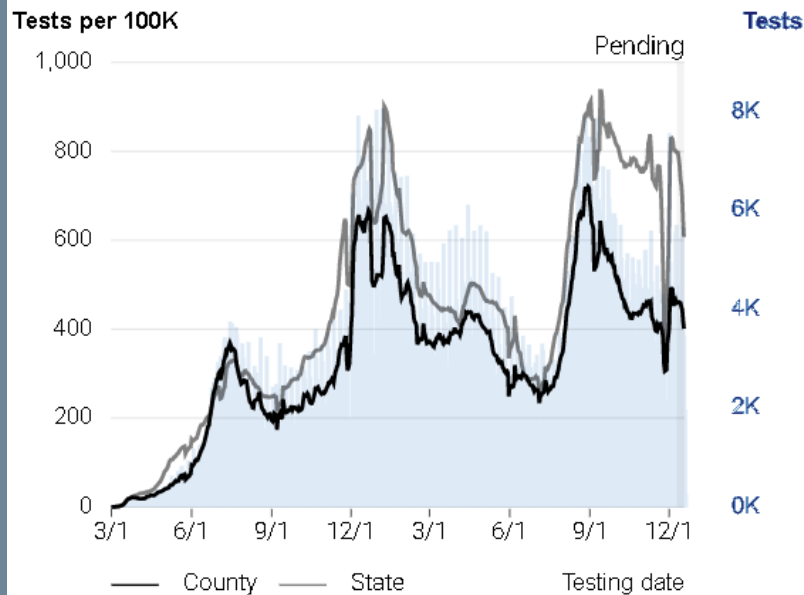
Source: <https://covid19.ca.gov/state-dashboard/>

Testing and Positivity Rate

Tests Performed

1,711,757 total tests performed

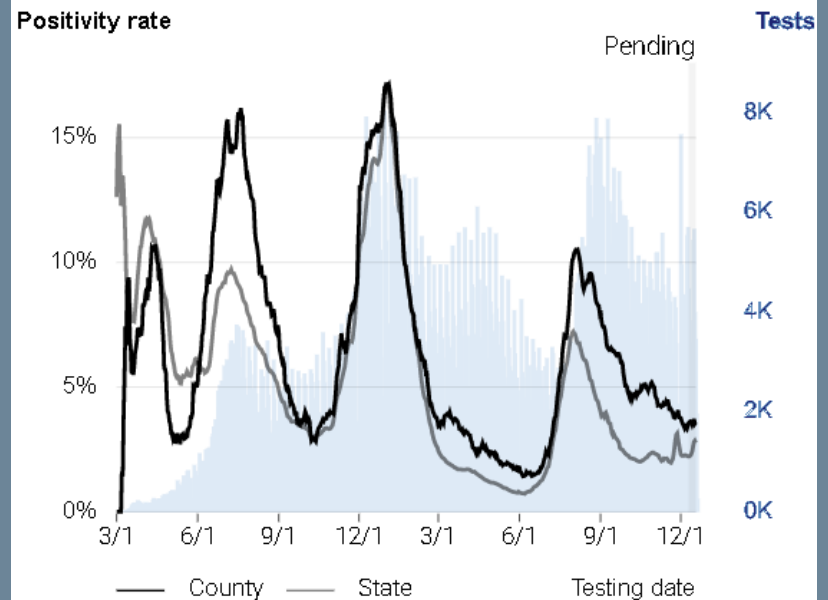
12,753 new tests reported (**0.8%** increase)



Positivity Rate

3.6% test positivity (7-day rate)

0.01% decrease from 7-days prior

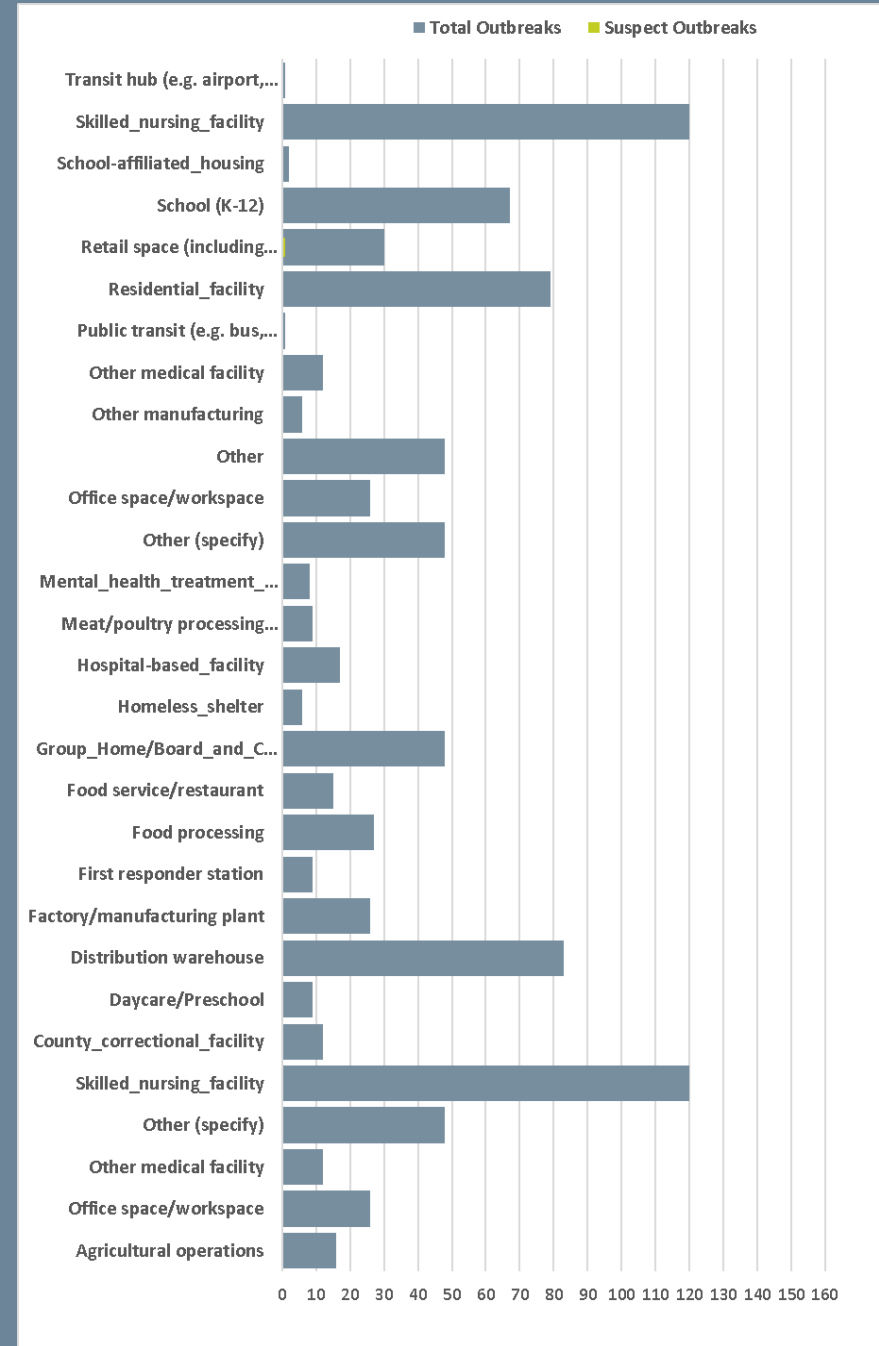


Note: Testing date is the date the test was administered. Test positivity is based on a 7-day average with no lag. Directional change is compared to the prior 7-day period. Data is provided by the California Department of Public Health. The total number is since the beginning of the pandemic on March 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)

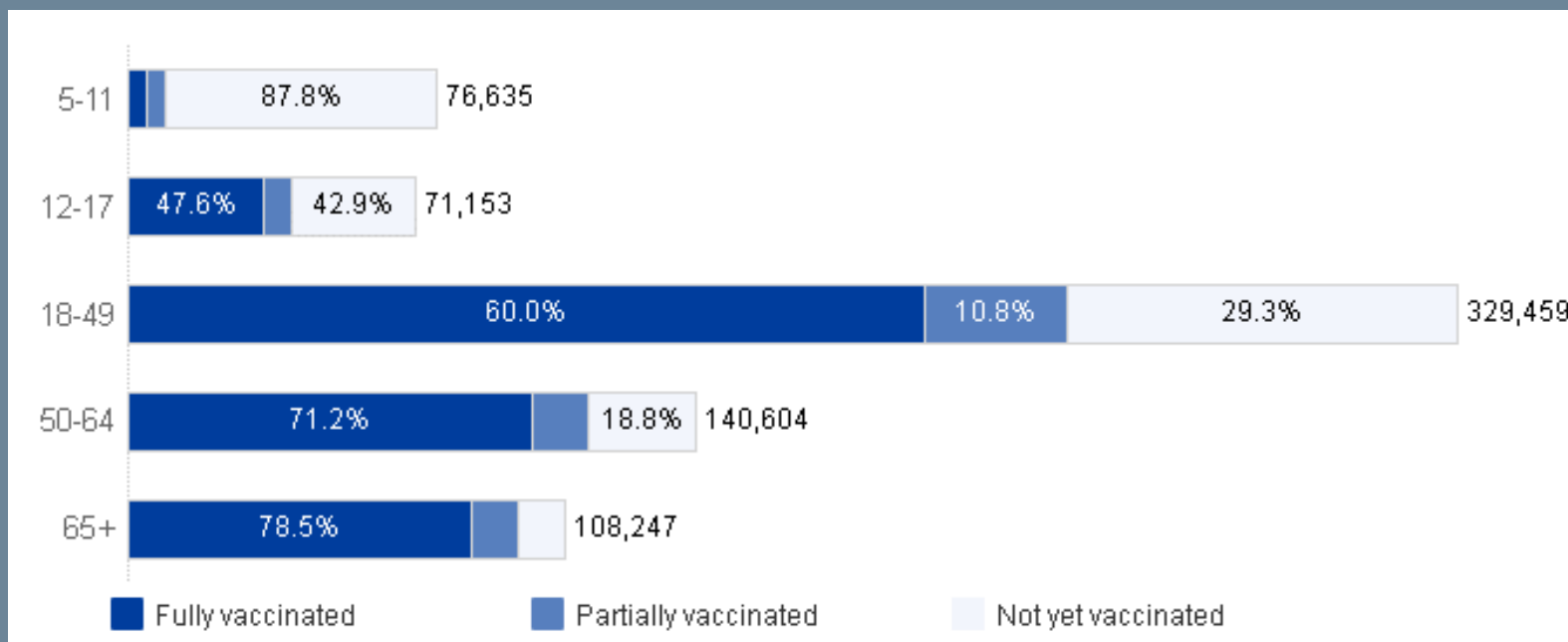


Vaccinations by Jurisdiction

Jurisdiction	Population	Total Vaccinations	Fully Vaccinated	% Fully Vaccinated	Partially Vaccinated	% Partially Vaccinated
Unincorporated	142,043	30,180	26,174	18.4	4,006	2.8
Escalon	6,746	6,795	6,066	89.9	729	10.8
Lathrop	20,571	19,847	17,505	85.1	2,342	11.4
Lodi	60,718	47,213	41,074	67.6	6,139	10.1
Manteca	73,611	59,369	52,581	71.4	6,788	9.2
Ripon	14,742	10,589	9,448	64.1	1,141	7.7
Stockton	286,655	233,677	199,861	69.7	33,816	11.8
Tracy	85,129	78,093	68,594	80.6	9,499	11.2
Unknown	<i>n/a</i>	1,421	987	<i>n/a</i>	434	<i>n/a</i>
Total	690,215	487,184	422,290	61.2	64,894	9.4

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>

Percentages may have changed due to the addition of 5-11 year olds to the vaccine eligible population.

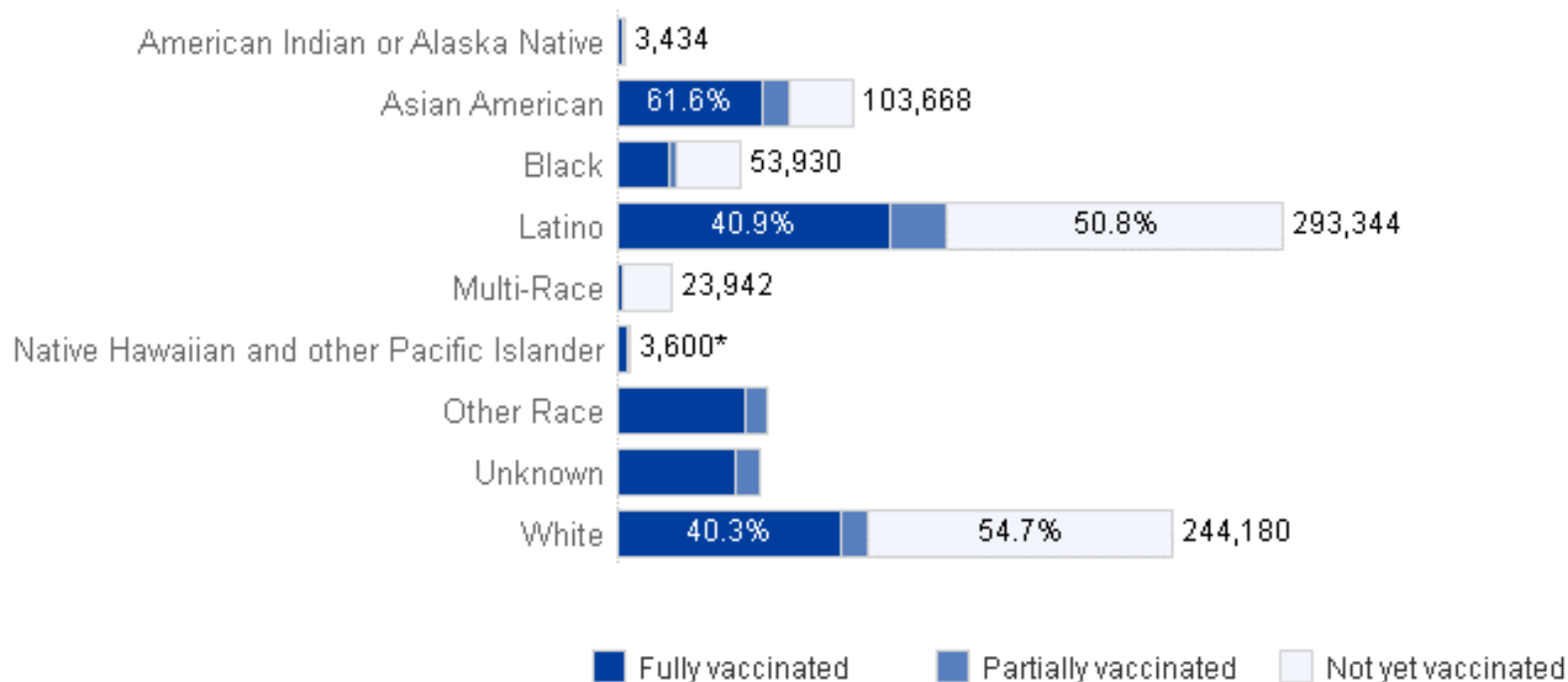
Fully Vaccinated Over Time by Age Group



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

Percentages may have changed due to the addition of 5-11 year olds to the vaccine eligible population.

Vaccination Progress by Race/Ethnicity

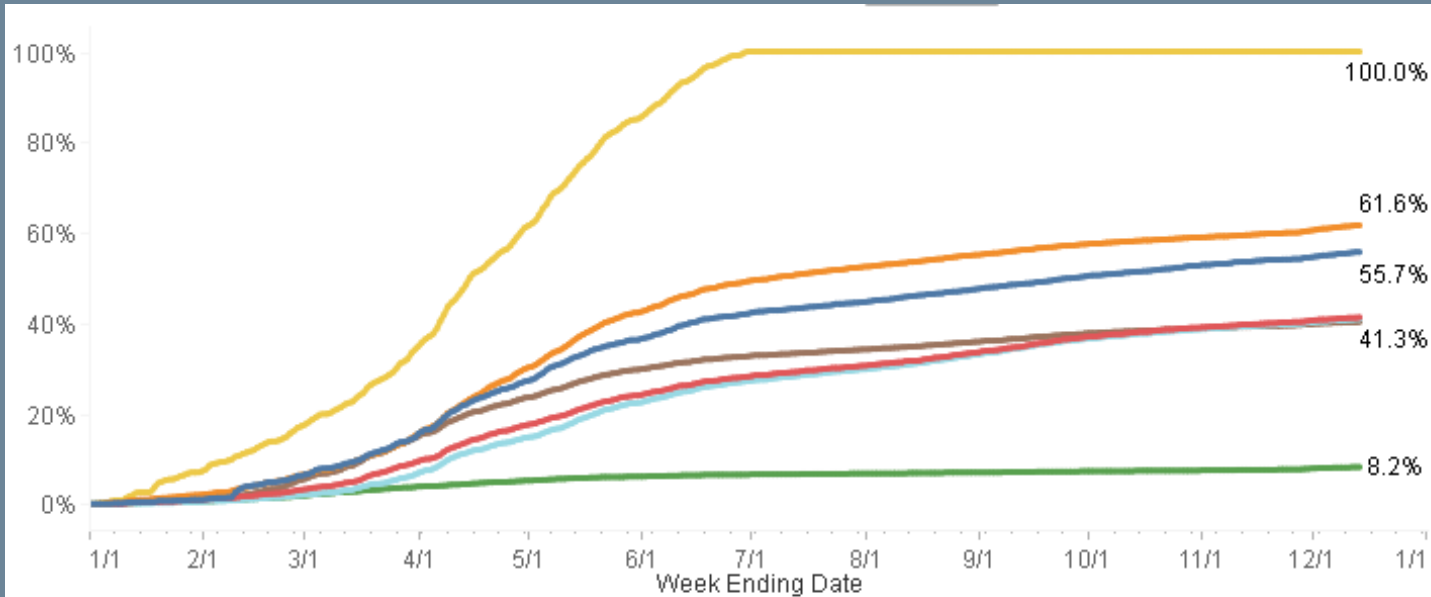


* More self-identified vaccine recipients in this category than the estimated eligible population

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

Percentages may have changed due to the addition of 5-11 year olds to the vaccine eligible population.

Fully Vaccinated Over Time by Race/Ethnicity



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.



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

Percentages may have changed due to the addition of 5-11 year olds to the vaccine eligible population.

Definitions – Cases, Deaths, and Positivity Rate

- Cases:
 - Confirmed: 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.
- Non-Residential Congregate Settings (non-healthcare): 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 day-over-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.
- Variant cases: 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.
- Vaccinations: 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).
- For “>99.9%” values: 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.