

COVID-19 Data Report

Data through December 21, 2021

Updated December 22, 2021

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

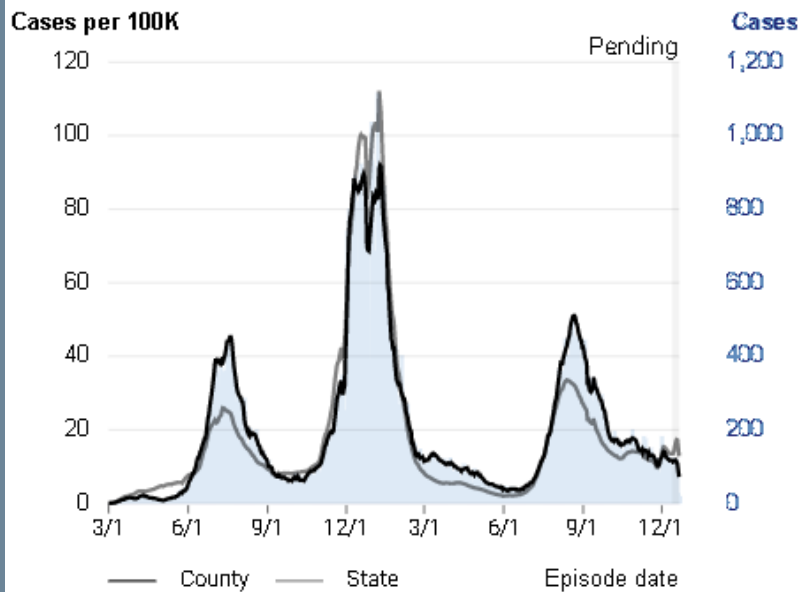


Total Number of Cases and Deaths

Total Cases

- Total Number of Cases: 105,081
- Total New Cases Since Previous Report: 155

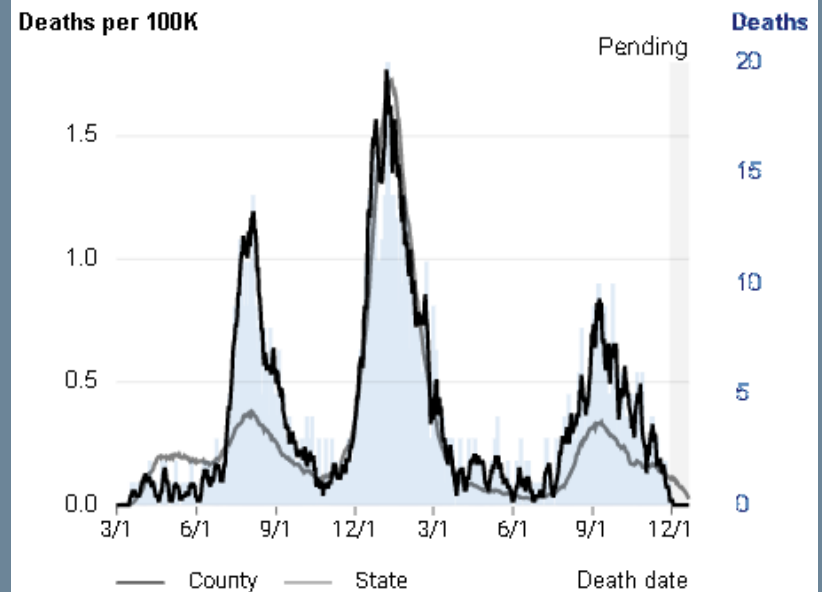
11.3 cases per 100K (7-day average)



Total Deaths

- Total Number of COVID-19 Related Deaths: 1,869
- Total New Deaths Since Previous Report: 5

0.02 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	18,387	29	323	2	1,091.4
Escalon	1,114	2	18	0	1,489.7
Lathrop	3,392	3	29	0	1,264.1
Lodi	9,215	21	208	0	1,356.5
Manteca	10,176	5	167	0	1,200.0
Ripon	2,033	5	29	0	1,276.2
Stockton	43,974	54	927	3	1,380.6
Tracy	10,990	29	112	0	1,145.6

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	0	40	0	1,323.8
95203	2,316	1	44	0	1,311.0
95204	4,162	4	100	0	1,314.1
95205	6,135	5	140	0	1,429.0
95206	10,533	15	187	2	1,436.9
95207	7,071	10	182	1	1,331.7
95209	6,107	6	115	0	1,364.4
95210	5,789	2	130	1	1,307.1
95211	9	0	0	0	38.9
95212	3,916	10	59	0	1,376.6
95215	3,376	4	69	1	1,273.9
95219	3,122	7	49	0	989.5
95220	755	2	14	0	938.8
95227	78	0	1	0	692.7
95230	46	0	1	0	876.2
95231	617	-3	18	0	1,246.5
95234	0	0	0	0	0.0
95236	520	0	8	0	1,078.2
95237	427	1	6	0	1,202.8

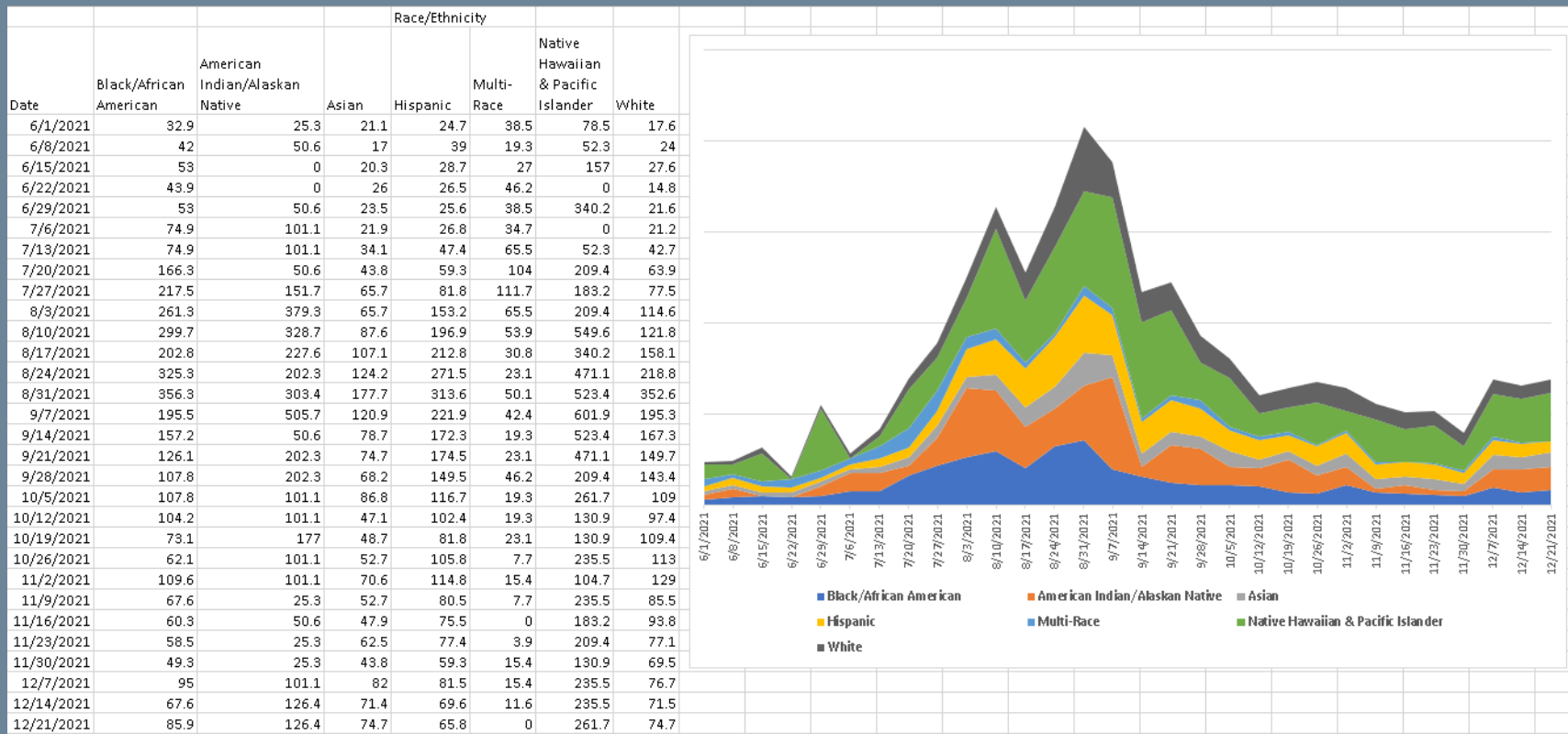
Note: New cases and deaths are new reports that were received since the last update. The total number of cases and deaths noted here is since the beginning of the pandemic on March 1, 2020.

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	7,256	10	187	0	1,361.6
95242	3,126	13	49	0	1,088.2
95253	0	0	0	0	0.0
95254	0	0	0	0	0.0
95258	531	2	10	0	1,267.6
95304	1,622	3	13	0	938.3
95320	1,744	4	26	0	1,222.4
95330	3,427	3	30	0	1,697.4
95336	5,636	2	109	0	1,172.0
95337	5,332	2	74	0	1,496.2
95361	42	0	2	0	690.8
95366	2,294	5	30	0	1,232.7
95367	2	0	0	0	606.1
95376	6,874	15	89	0	1,214.5
95377	3,793	12	22	0	1,085.0
95391	1,439	13	6	0	612.2
95632	109	0	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

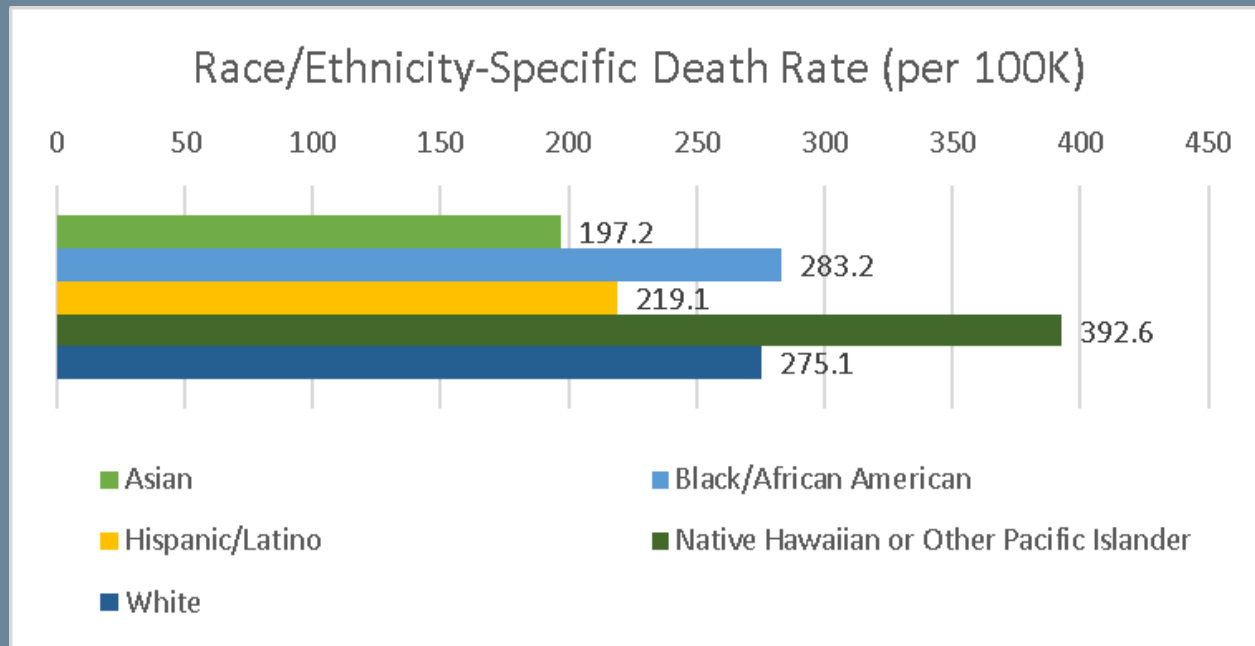


Notes: 7-day case rate (episode date with no lag). This stacked area shows the magnitude of change over time and to draw attention to total cases over time. American Indian/Alaskan Native and Native Hawaiian/Other Pacific Islander are now included in the graph, which has affected the color legend. Additionally, 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

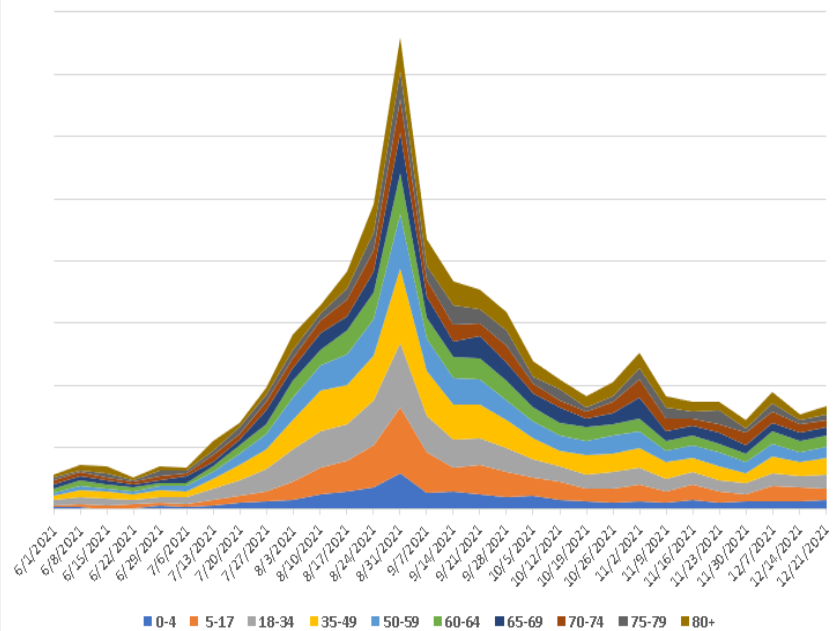
Race/Ethnicity	% Pop	Total Deaths	% Deaths
Asian	15.7	243	13.0
Black/African American	7.0	155	8.3
Hispanic/Latino	40.9	702	37.6
Native Hawaiian or Other Pacific Islander	0.5	15	0.8
White	32.0	689	36.9



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

Date	Age Group									
	0-4	5-17	18-34	35-49	50-59	60-64	65-69	70-74	75-79	80+
6/1/2021	16.6	17.7	38.6	40.2	25.8	30.4	32.1	32.9	25.9	20.4
6/8/2021	18.7	22.5	57.9	56.8	39.7	44.4	29.2	29.3	15.5	44.8
6/15/2021	4.2	27.3	59.9	51.9	29	32.7	26.3	25.6	31.1	65.1
6/22/2021	10.4	28	42.1	38.8	22.5	35.1	29.2	14.6	15.5	16.3
6/29/2021	29.1	25.2	50	49.9	31.1	32.7	20.4	32.9	41.4	40.7
7/6/2021	16.6	30	54.5	42.2	41.9	28.1	58.4	25.6	20.7	20.4
7/13/2021	37.4	40.9	89.6	77.6	59	39.7	40.9	51.2	41.4	73.3
7/20/2021	49.9	66.1	122.3	125.3	85.9	72.5	40.9	47.6	51.8	36.6
7/27/2021	62.4	86.6	181.2	158.6	115.9	79.5	116.8	69.5	51.8	61.1
8/3/2021	81.1	139.1	264.4	238.9	172.8	137.9	102.2	76.9	67.3	130.3
8/10/2021	124.7	206.6	293.1	335.1	199.6	126.3	131.4	102.5	56.9	69.2
8/17/2021	143.5	254.3	290.1	309.5	247.9	196.4	116.8	135.4	88	130.3
8/24/2021	183	334.8	357.5	362.2	294.1	215.1	169.3	168.4	139.8	236.1
8/31/2021	291.1	533.9	511.9	597.6	442.2	329.7	324.1	274.5	217.4	272.8
9/7/2021	137.2	321.2	300	358	259.7	163.7	166.4	142.7	113.9	207.6
9/14/2021	145.5	188.2	226.3	284.6	209.3	173	128.5	135.4	155.3	187.3
9/21/2021	124.7	233.2	219.3	269.4	201.8	166	178.1	106.1	113.9	158.8
9/28/2021	97.7	208.7	191.6	221.6	156.7	163.7	140.2	135.4	124.2	150.6
10/5/2021	114.3	146.6	144.6	171.7	133.1	112.2	111	76.9	62.1	118.1
10/12/2021	79	141.1	125.3	130.9	119.1	105.2	125.6	51.2	93.2	81.4
10/19/2021	66.5	105	113.9	150.3	112.7	114.6	70.1	51.2	41.4	89.6
10/26/2021	52	119.3	129.2	153.7	141.7	93.5	81.8	91.5	46.6	109.9
11/2/2021	68.6	137.1	136.1	154.4	134.2	105.2	166.4	146.4	82.8	130.3
11/9/2021	52	97.5	96.5	133.6	93.4	79.5	73	106.1	93.2	81.4
11/16/2021	76.9	123.4	103.5	110.8	100.9	79.5	78.8	62.2	56.9	77.4
11/23/2021	56.1	88	93.6	110.8	109.5	67.8	87.6	76.9	103.5	73.3
11/30/2021	64.4	63.4	86.6	81	85.9	63.1	70.1	102.5	31.1	73.3
12/7/2021	68.6	124.1	103.5	130.2	102	100.5	64.2	91.5	67.3	89.6
12/14/2021	70.7	107.1	89.1	113.6	80.5	88.8	73	65.9	31.1	48.9
12/21/2021	79	85.9	115.9	135.7	90.2	91.2	67.2	58.6	36.2	69.2

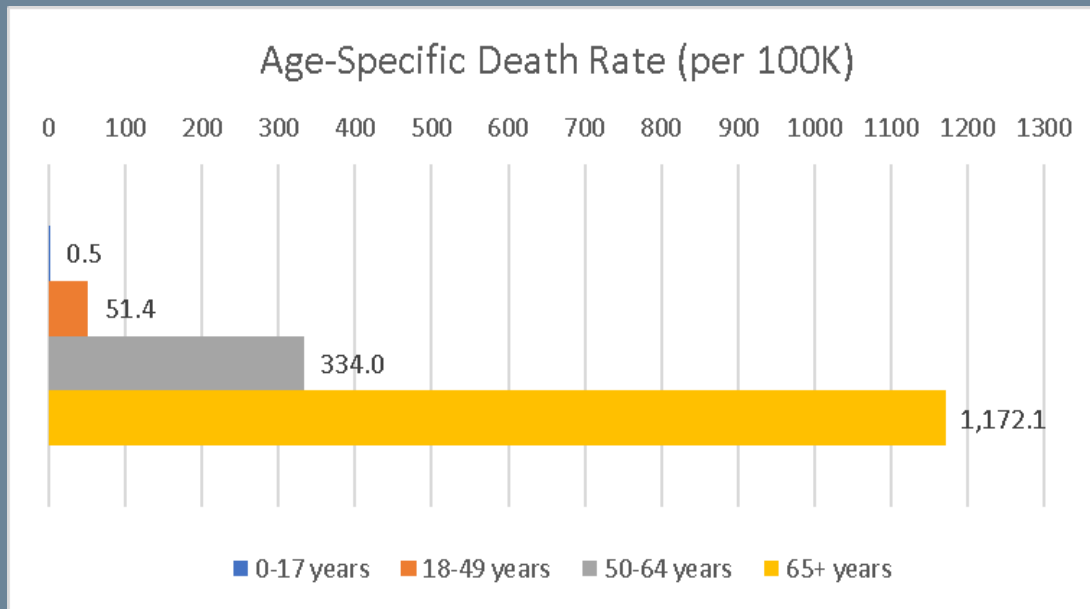


Note: 7-day case rate (episode date with no lag). This stacked area shows the magnitude of change over time and to draw attention to total cases over time.

- 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.

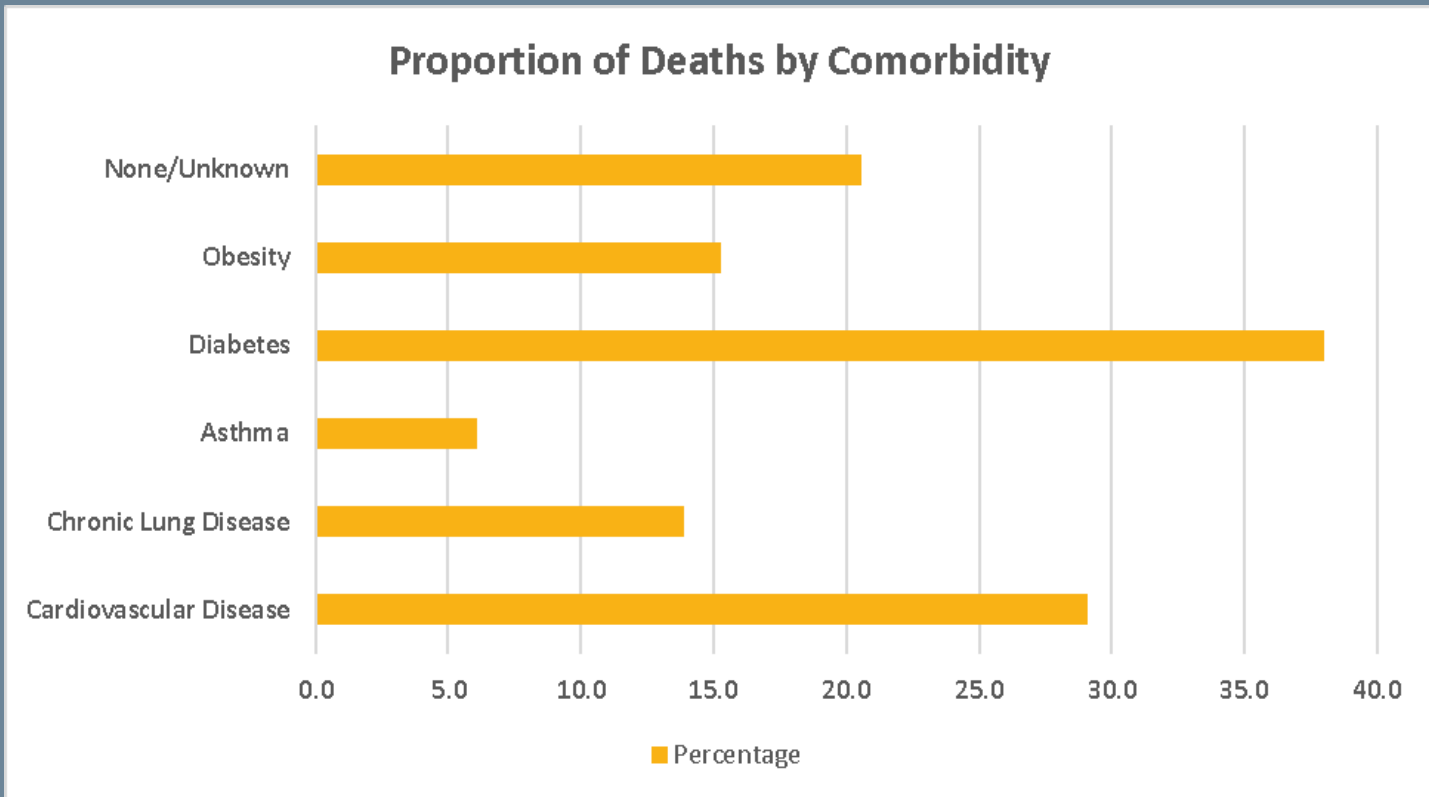
Deaths by Age Group

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	454	24.3
65+ years	13.5	1236	66.1



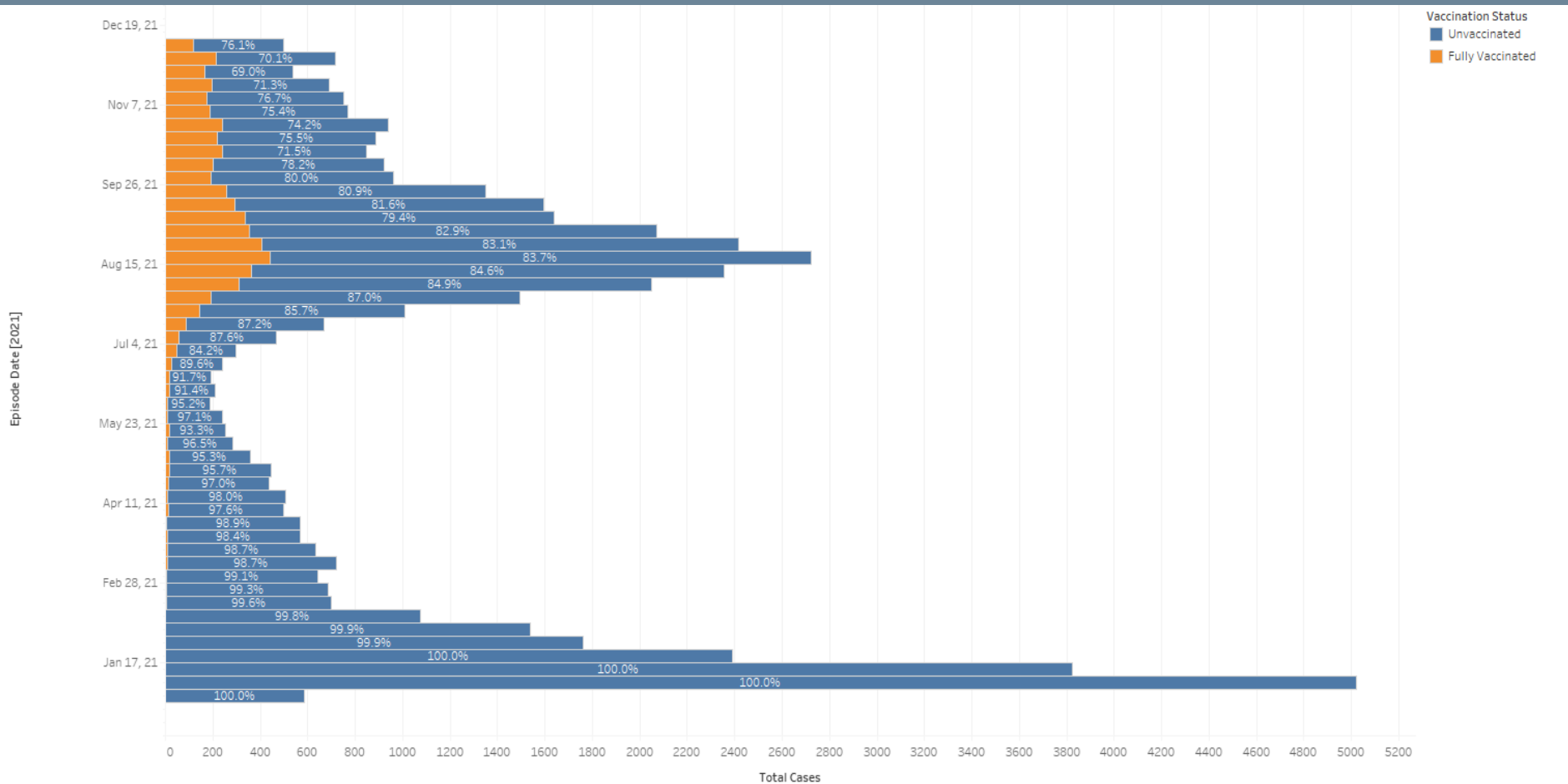
Note: The total number of deaths noted here is since the beginning of the pandemic on March 1, 2020.

Deaths by Comorbidities



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

Post-Vaccine Breakthrough Cases by Week

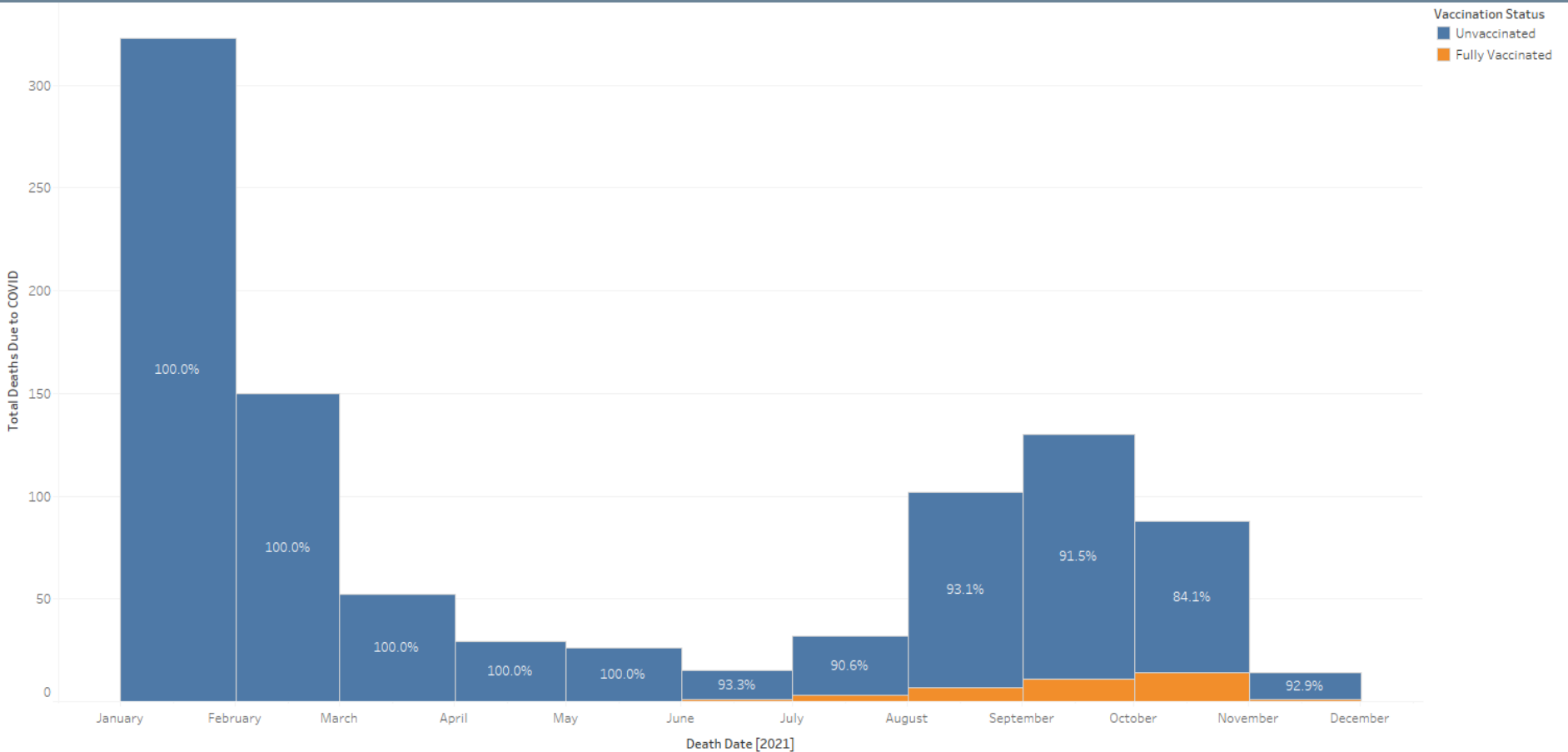


The plot of Total Cases for Episode Date Week. Color shows details about Vaccination Status. The marks are labeled by % of Total Cases, excluding Partially Vaccinated Cases. The data is filtered on Episode Date Year, which keeps 2021.

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.

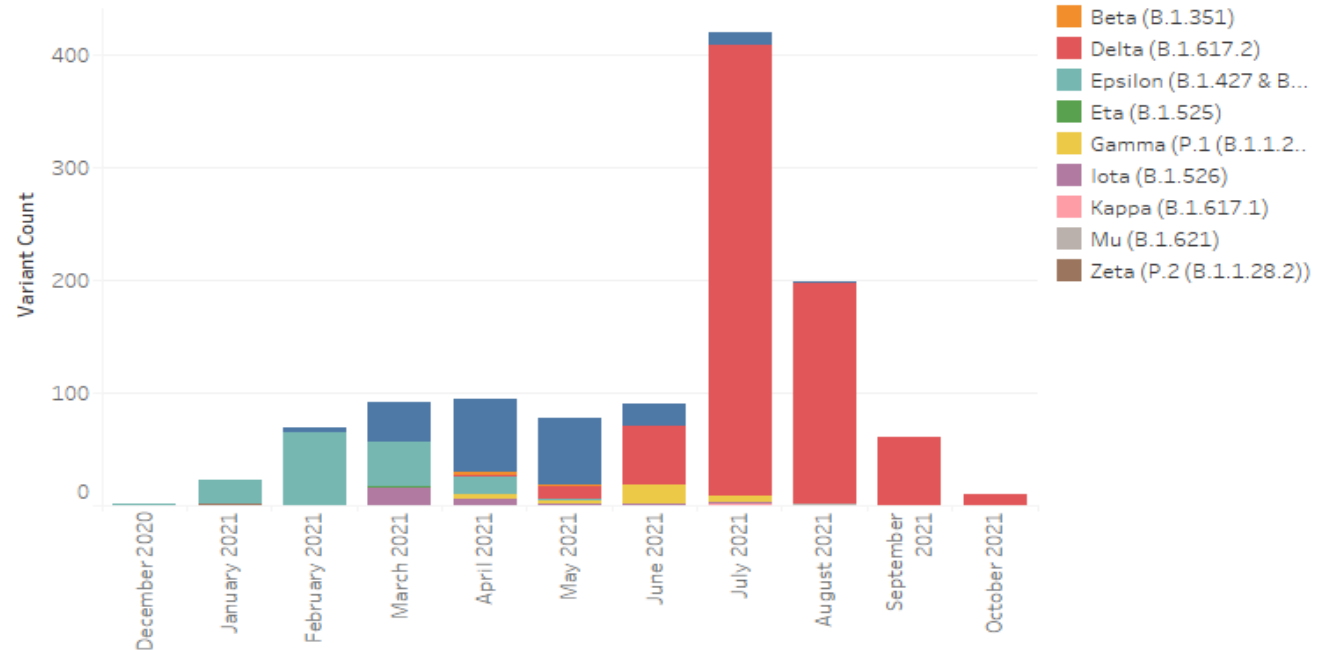
- **Over 90% of the COVID-19 related deaths in November were unvaccinated San Joaquin County residents (excluding partially vaccinated cases).**

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

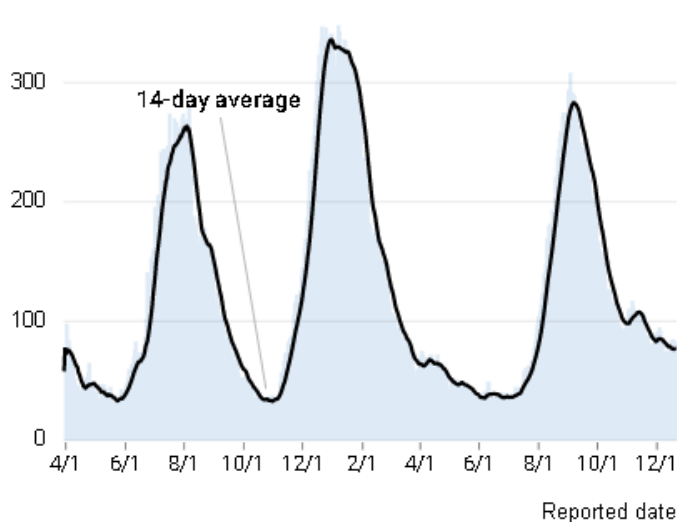
	December 2020	January 2021	February 2021	March 2021	April 2021	May 2021	June 2021	July 2021	August 2021	September 2021	October 2021
Alpha (B.1.1.7)			4	35	65	59	20	12	2		
Beta (B.1.351)					2	1					
Delta (B.1.617.2)					1	12	52	399	196	61	10
Epsilon (B.1.427 & B.1.429)	1	22	65	39	16	1					
Eta (B.1.525)				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

73 COVID-19 hospitalized patients

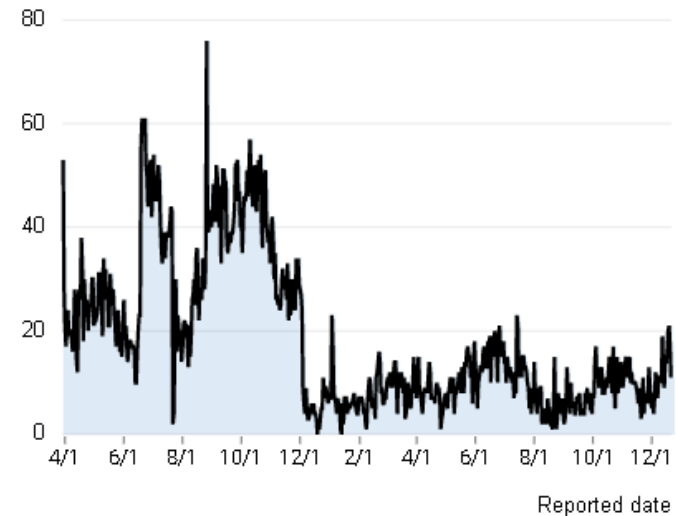
5 fewer patients hospitalized from prior day total (6.4% decrease)



ICU Beds Available

11 ICU beds available

6 fewer ICU beds available from prior day total (35.3% decrease)



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

1,715,593 total tests performed

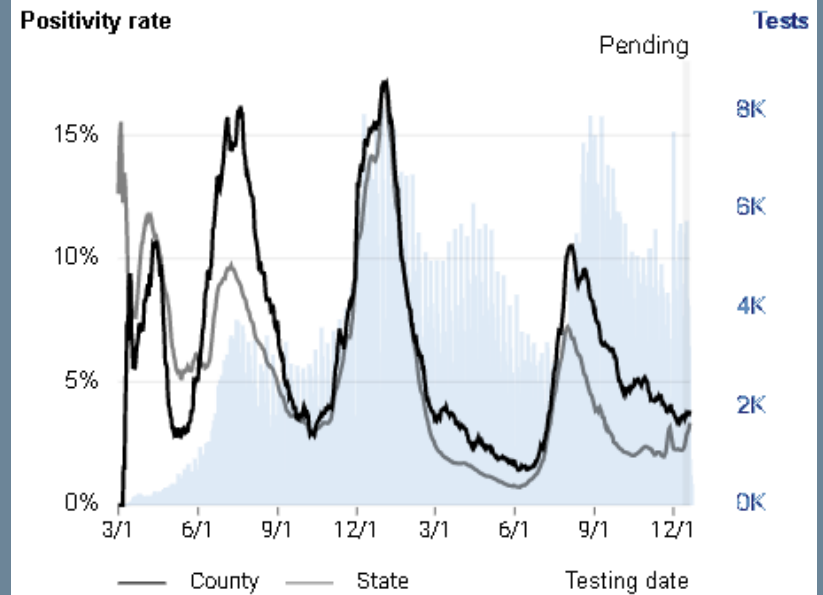
1,494 new tests reported (**0.1%** increase)



Positivity Rate

3.8% test positivity (7-day rate)

0.2% increase from 7-days prior

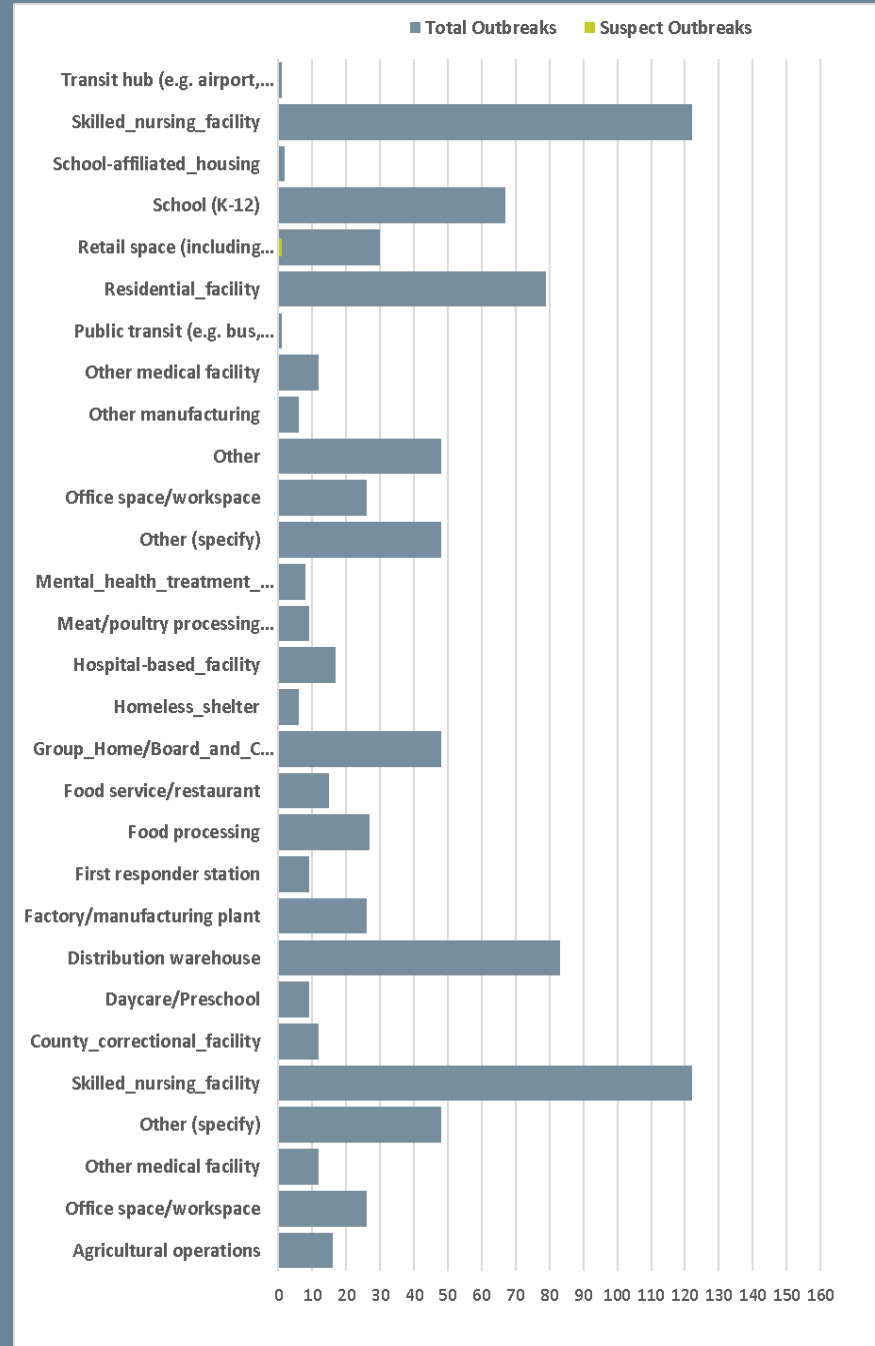


Note: Testing date is the date the test was administered. Test positivity is based on a 7-day average with no lag. Directional change is compared to the prior 7-day period. Data is provided by the California Department of Public Health. The total number is since the beginning of the pandemic on March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

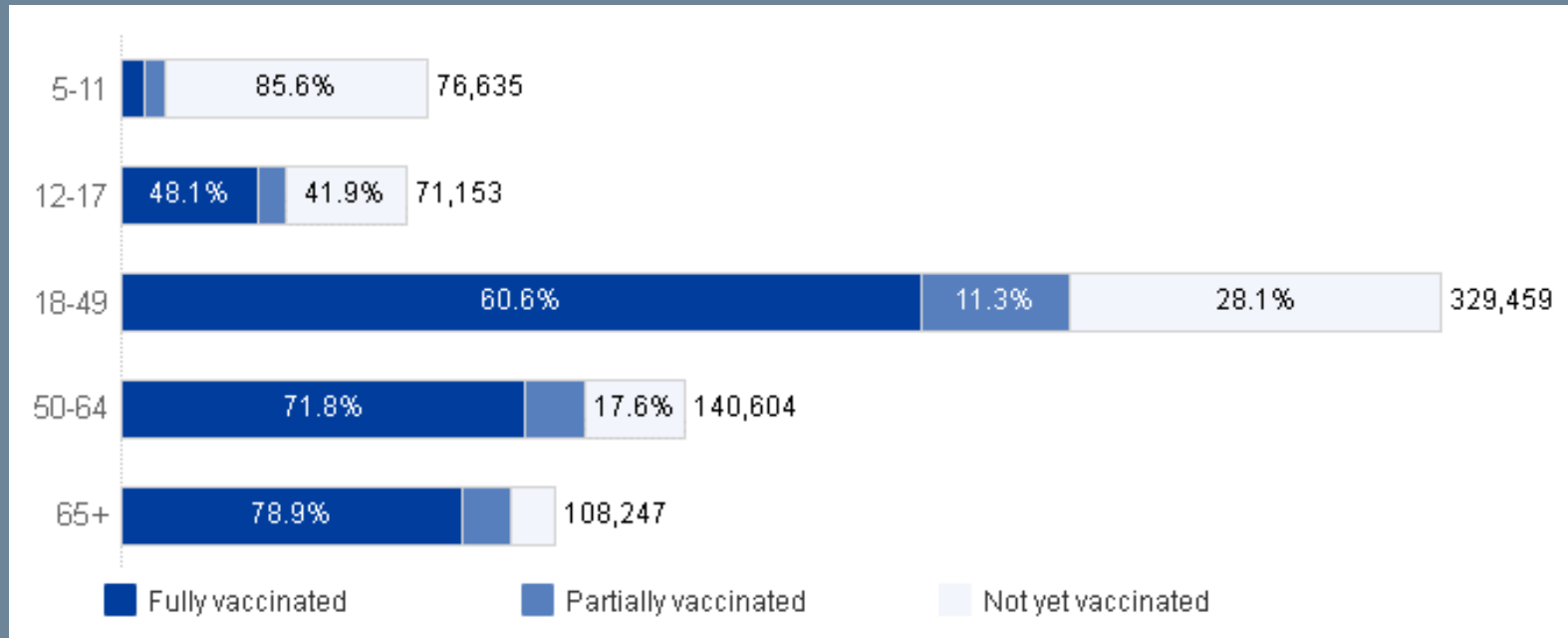


Vaccinations by Jurisdiction

Jurisdiction	Population	Total Vaccinations	Fully Vaccinated	% Fully Vaccinated	Partially Vaccinated	% Partially Vaccinated
Unincorporated	142,043	30,297	26,240	18.5	4,057	2.9
Escalon	6,746	6,826	6,085	90.2	741	11.0
Lathrop	20,571	19,937	17,573	85.4	2,364	11.5
Lodi	60,718	47,348	41,162	67.8	6,186	10.2
Manteca	73,611	59,559	52,723	71.6	6,836	9.3
Ripon	14,742	10,620	9,466	64.2	1,154	7.8
Stockton	286,655	234,495	200,370	69.9	34,125	11.9
Tracy	85,129	78,482	68,855	80.9	9,627	11.3
Unknown	<i>n/a</i>	1,416	983	<i>n/a</i>	433	<i>n/a</i>
Total	690,215	488,980	423,457	61.4	65,523	9.5

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.

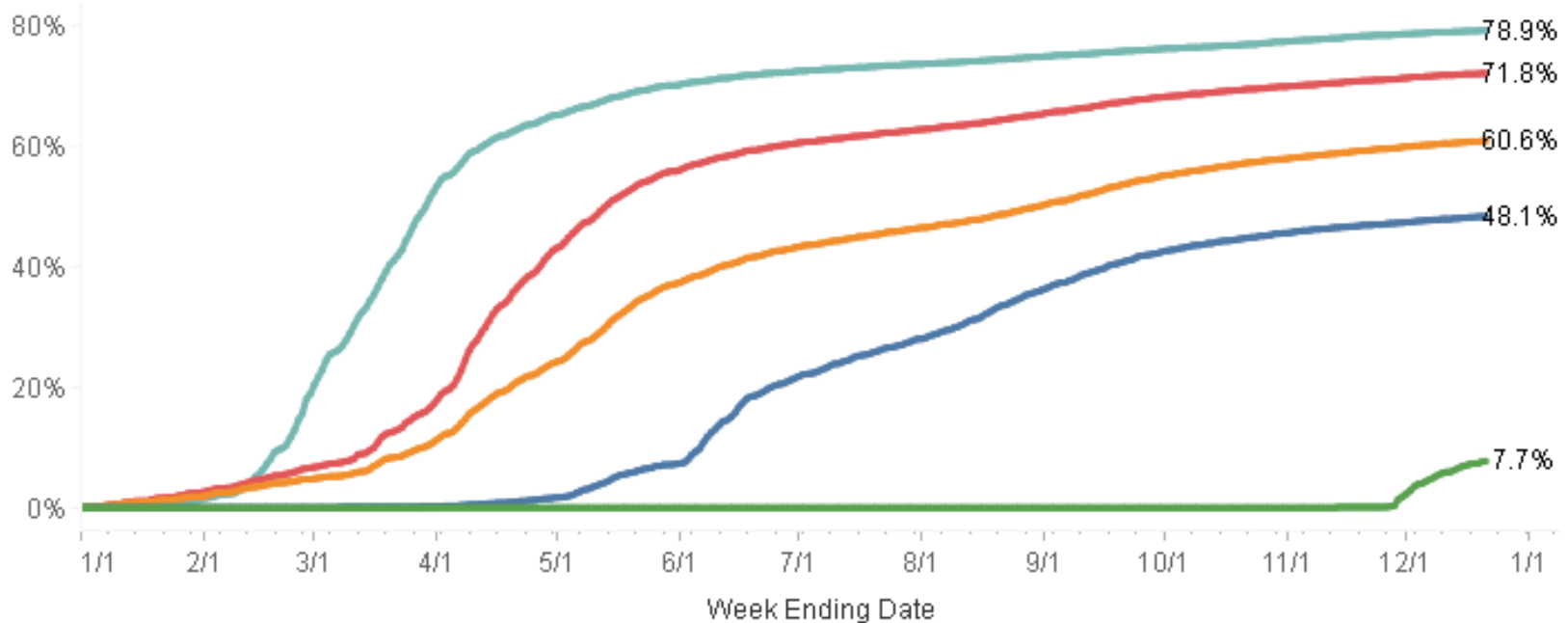
Vaccination Progress by Age Group



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



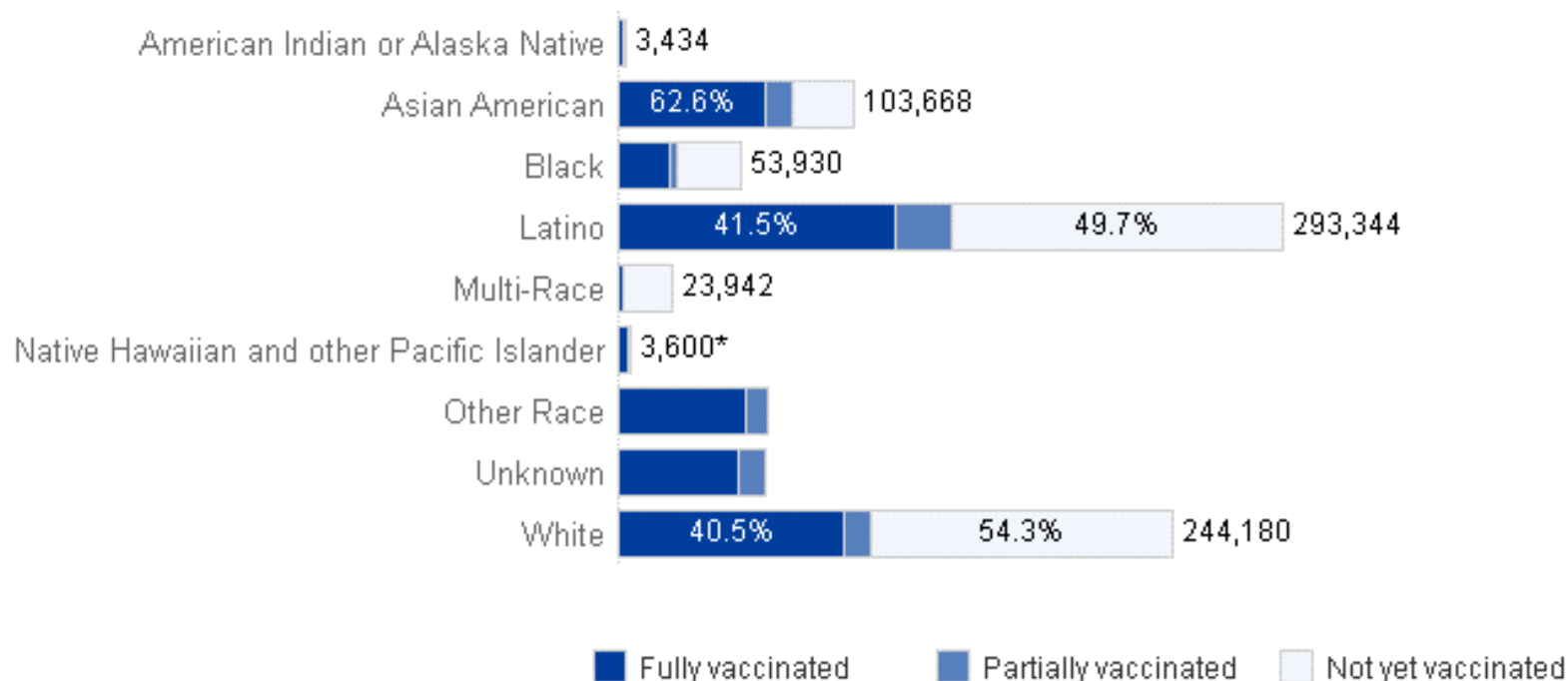
Note: Unknown age represents fewer than 0.01% of records and are therefore omitted. Where the county of residence was not reported the county where vaccinated is used. Data is not shown where there are fewer than 11 records in a group.

■ 5-11 ■ 12-17 ■ 18-49 ■ 50-64 ■ 65+

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

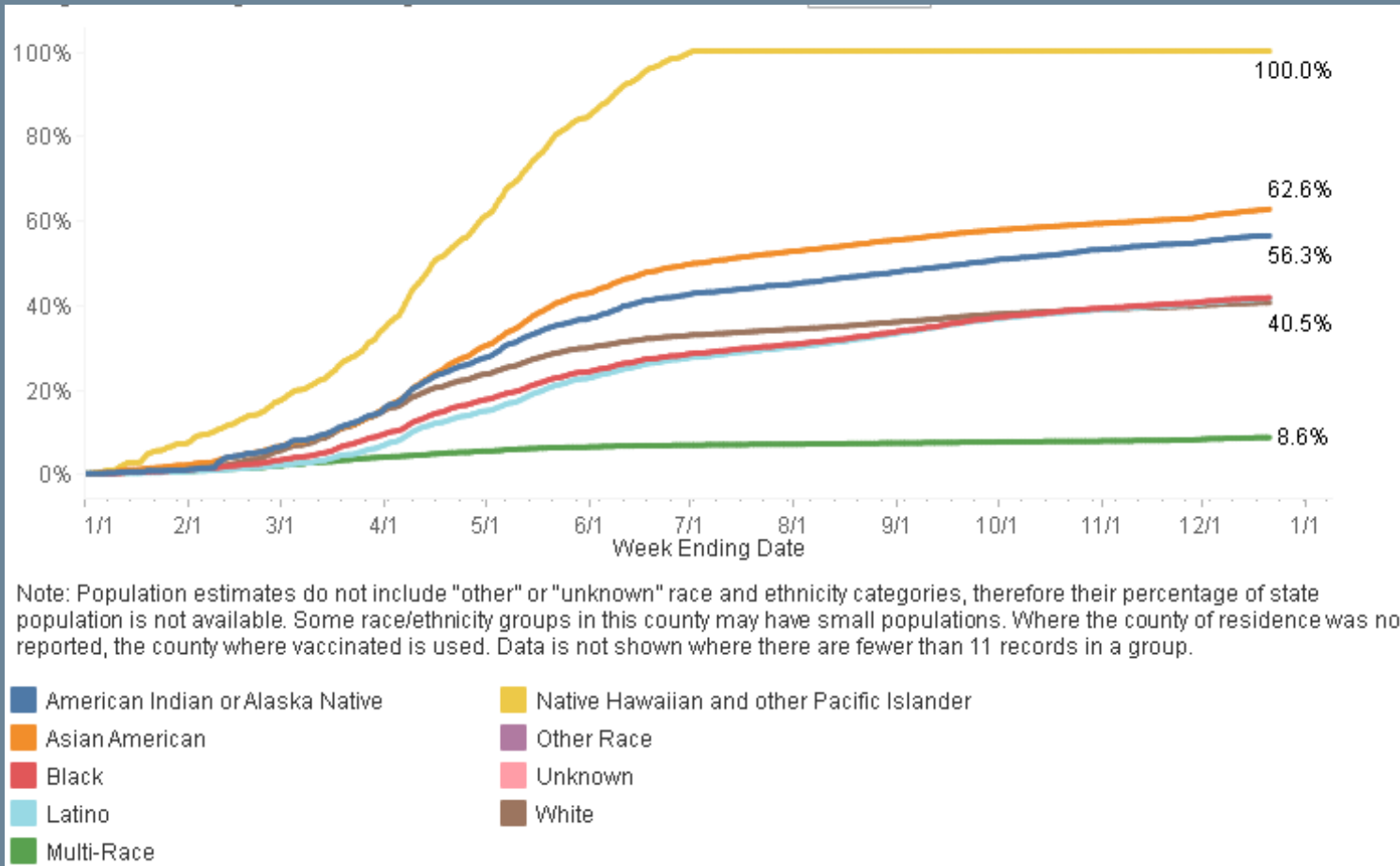


* More self-identified vaccine recipients in this category than the estimated eligible population

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: 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 NHP1). 3) Metrics for small populations may be disproportionately affected by geocoding errors or non-resident individuals.