

COVID-19 Data Report

Data through September 19, 2021

Updated September 20, 2021

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

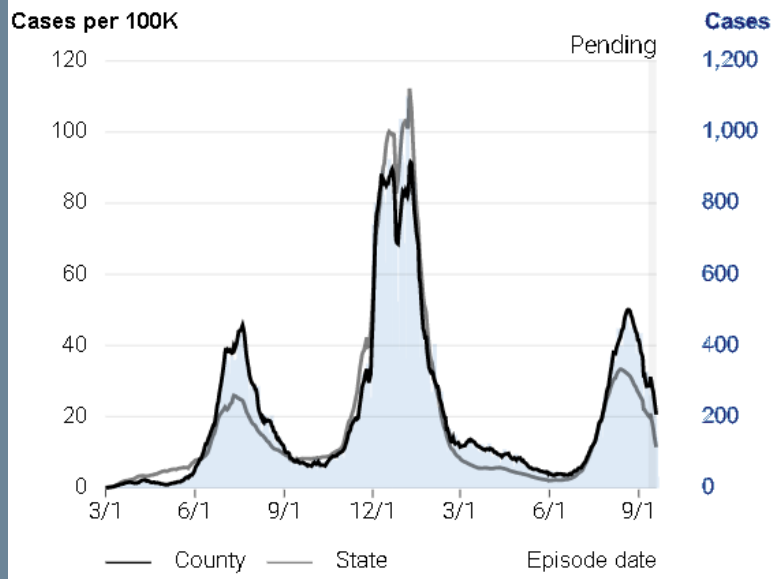


Total Number of Cases and Deaths

Total Cases

- Total Number of Cases: 93,844
- Total New Cases Since Previous Report: 483

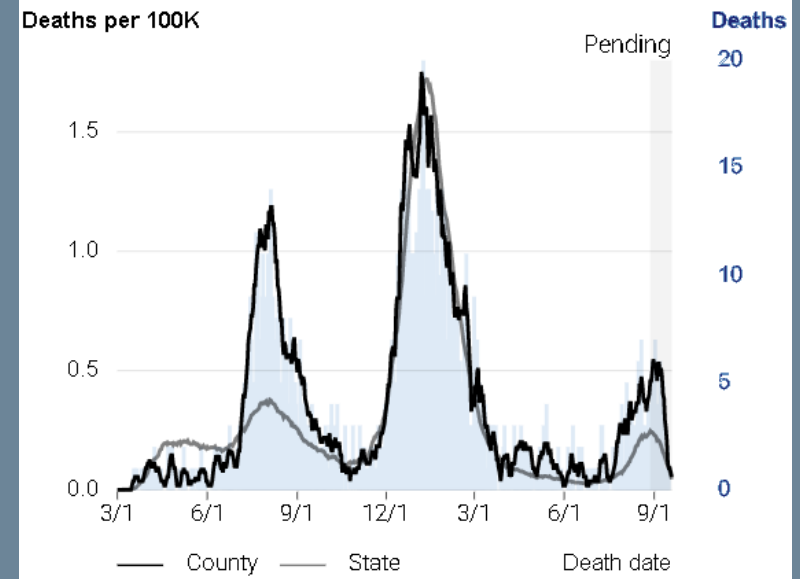
28.7 cases per 100K (7-day average)



Total Deaths

- Total Number of COVID-19 Related Deaths: 1,629
- Total New Deaths Since Previous Report: 5

0.5 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	16,332	100	256	2	969.5
Escalon	954	10	13	0	1,275.7
Lathrop	3,062	20	25	0	1,141.1
Lodi	8,090	47	189	1	1,190.9
Manteca	9,052	48	135	0	1,067.5
Ripon	1,806	13	26	0	1,133.7
Stockton	39,498	201	834	2	1,240.0
Tracy	9,798	39	101	0	1,021.4

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	807	6	36	1	1,115.1
95203	2,095	20	40	0	1,185.9
95204	3,688	19	93	1	1,164.4
95205	5,470	14	119	0	1,274.1
95206	9,566	61	159	0	1,305.0
95207	6,360	30	168	0	1,197.8
95209	5,420	23	106	1	1,210.9
95210	5,228	23	117	0	1,180.5
95211	8	0	0	0	34.6
95212	3,520	32	47	0	1,237.4
95215	3,039	7	54	0	1,146.7
95219	2,765	7	43	0	876.3
95220	672	0	13	1	835.6
95227	72	1	1	0	639.4
95230	40	0	0	0	761.9
95231	565	6	13	0	1,141.4
95234	0	0	0	0	0.0
95236	448	6	7	0	928.9
95237	372	7	6	0	1,047.9

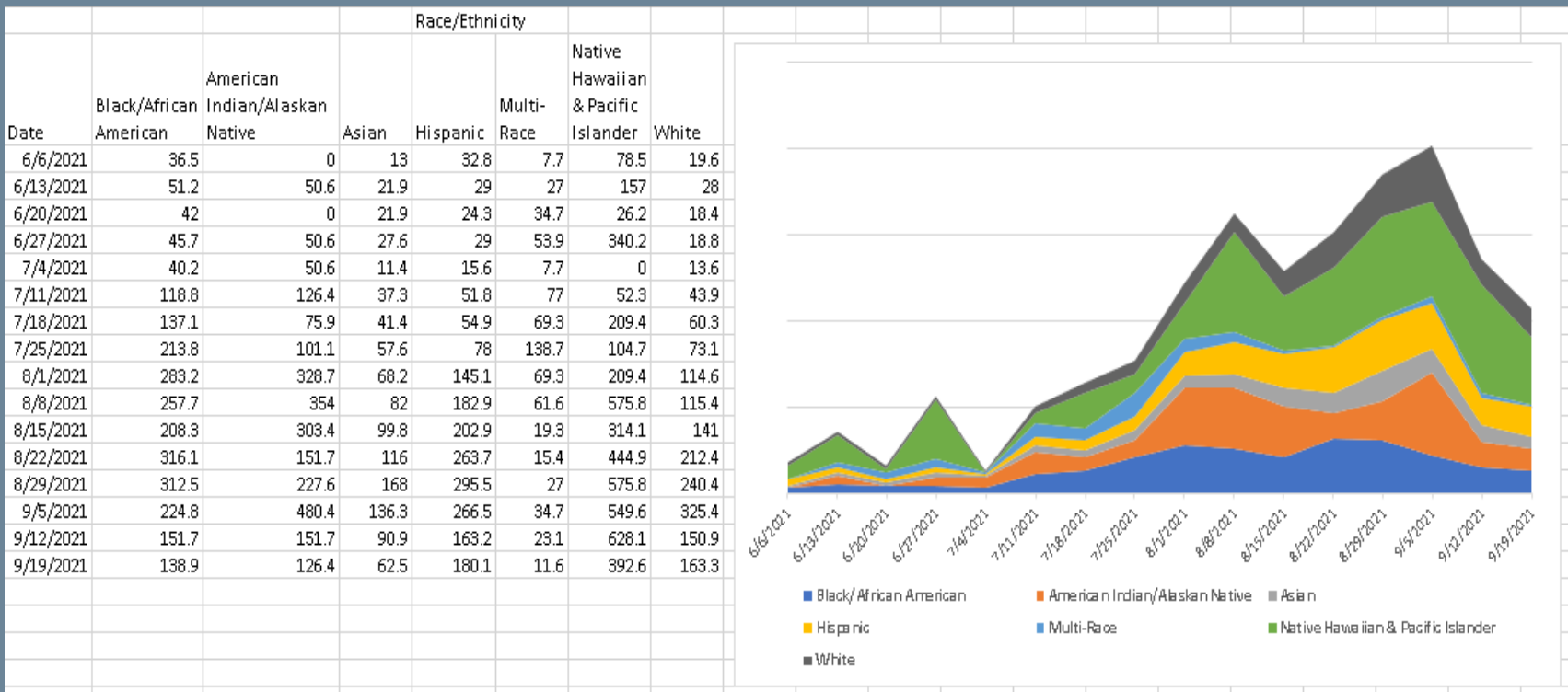
Note: New cases and deaths are new reports that were received since the last update. The total number of cases and deaths noted here is since the beginning of the pandemic on March 1, 2020.

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	6,405	29	172	1	1,201.9
95242	2,741	26	42	0	954.2
95253	0	0	0	0	0.0
95254	0	0	0	0	0.0
95258	464	1	8	0	1,107.7
95304	1,449	2	7	0	838.2
95320	1,490	16	19	0	1,044.4
95330	3,097	20	26	0	1,533.9
95336	5,042	34	91	0	1,048.5
95337	4,701	23	56	0	1,319.1
95361	25	0	2	0	411.2
95366	2,048	14	27	0	1,100.5
95367	2	0	0	0	606.1
95376	6,139	29	80	0	1,084.6
95377	3,381	11	20	0	967.1
95391	1,260	7	5	0	536.1
95632	101	0	0	0	682.4
95686	112	4	2	0	736.4

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

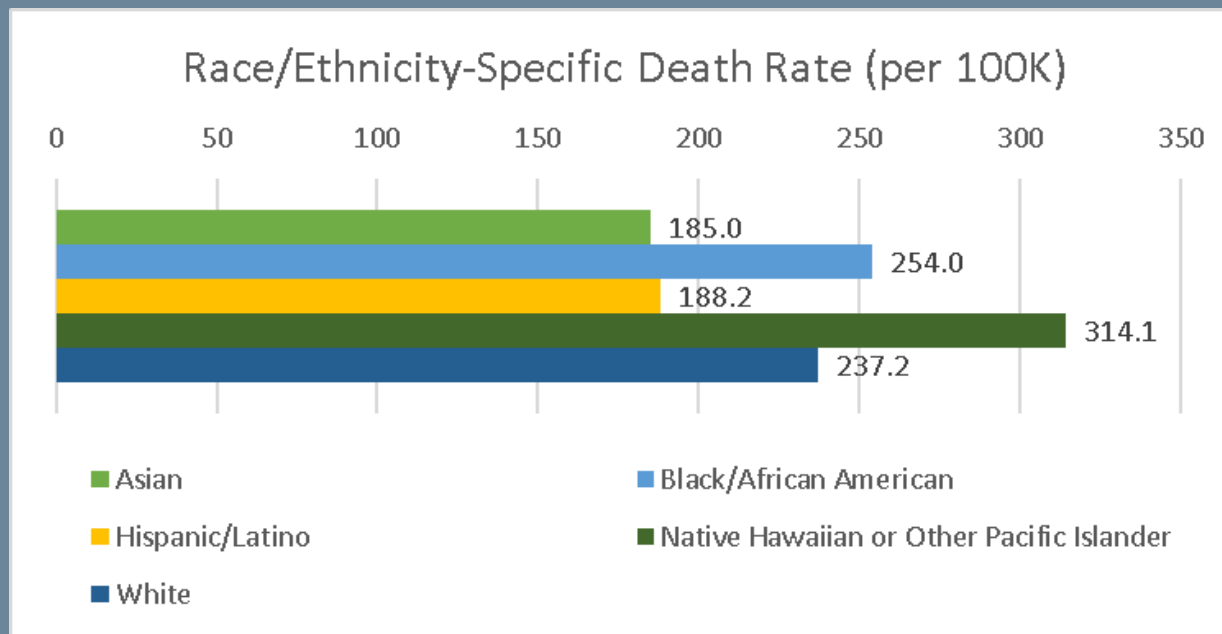


Notes: 7-day case rate (episode date with no lag). This stacked area shows the magnitude of change over time and to draw attention to total cases over time. American Indian/Alaskan Native and Native Hawaiian/Other Pacific Islander are now included in the graph, which has affected the color legend. Additionally,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

Deaths by Race/Ethnicity

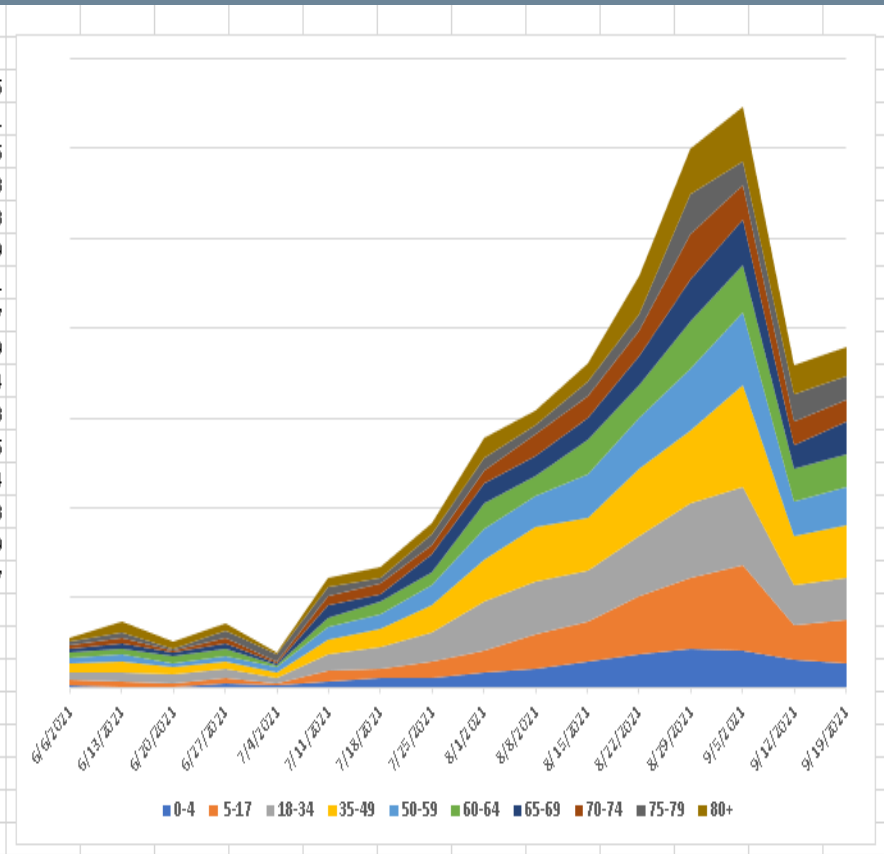
Race/Ethnicity	% Pop	Total Deaths	% Deaths
Asian	15.7	228	14.0
Black/African American	7.0	139	8.5
Hispanic/Latino	40.9	603	37.0
Native Hawaiian or Other Pacific Islander	0.5	12	0.7
White	32.0	594	36.5



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+
6/6/2021	18.7	21.8	47.5	42.9	33.3	35.1	20.4	18.3	15.5	28.5
6/13/2021	4.2	25.9	59.4	58.9	33.3	35.1	29.2	32.9	31.1	61.1
6/20/2021	8.3	18.4	48.5	41.5	23.6	32.7	26.3	11	10.4	32.6
6/27/2021	22.9	34.1	45.5	46.4	27.9	39.7	32.1	32.9	31.1	44.8
7/4/2021	14.6	10.9	33.7	25.6	29	14	11.7	11	31.1	16.3
7/11/2021	35.3	55.2	100.5	80.3	69.8	44.4	73	54.9	46.6	52.9
7/18/2021	56.1	53.9	111.9	108.7	77.3	72.5	38	62.2	31.1	61.1
7/25/2021	52	91.4	163.4	155.8	106.3	74.8	102.2	51.2	56.9	57
8/1/2021	87.3	123.4	265.4	234.7	172.8	140.3	116.8	69.5	72.5	105.9
8/8/2021	104	198.4	290.6	303.3	173.9	112.2	111	113.5	56.9	77.4
8/15/2021	141.4	230.5	274.8	299.1	239.4	198.7	122.6	120.8	77.6	101.8
8/22/2021	183	322.5	340.6	376.7	278	180	166.4	142.7	93.2	207.6
8/29/2021	214.1	398.2	412.4	408.6	345.6	254.8	236.5	248.9	227.8	252.4
9/5/2021	207.9	478	434.7	567.1	397.1	271.2	251.1	186.7	134.6	301.3
9/12/2021	151.8	197.7	223.3	270.1	195.3	175.4	140.2	131.8	144.9	162.9
9/19/2021	137.2	245.5	225.3	297.8	214.7	175.4	186.9	124.4	129.4	154.7

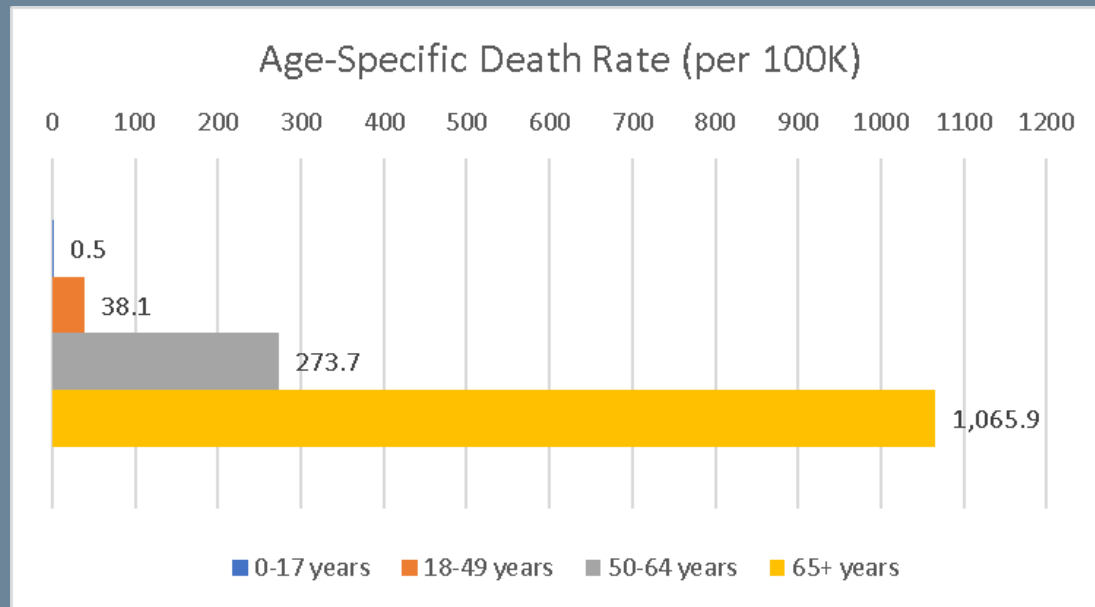


Note: 7-day case rate (episode date with no lag). This stacked area shows the magnitude of change over time and to draw attention to total cases over time.

- In August, there was a dramatic increase in case rate for 5-17-year-olds within our County.
- Since the beginning of September, there appears to be a decrease in case rate among most age groups.

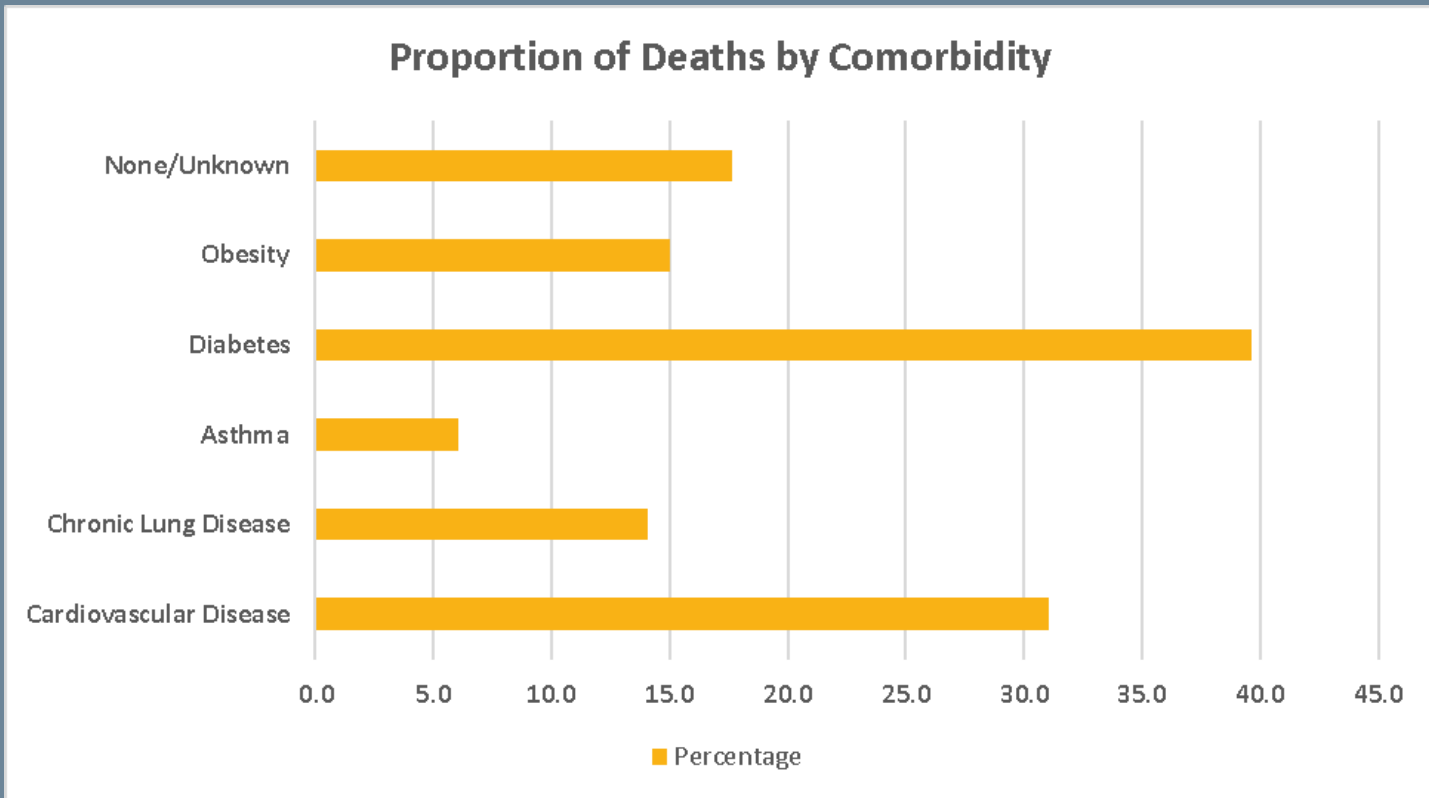
Deaths by Age Group

Age Group	% Pop	Total Deaths	% Deaths
0-17 years	24.9	1	0.1
18-49 years	44.3	132	8.1
50-64 years	17.4	372	22.8
65+ years	13.5	1124	69.0



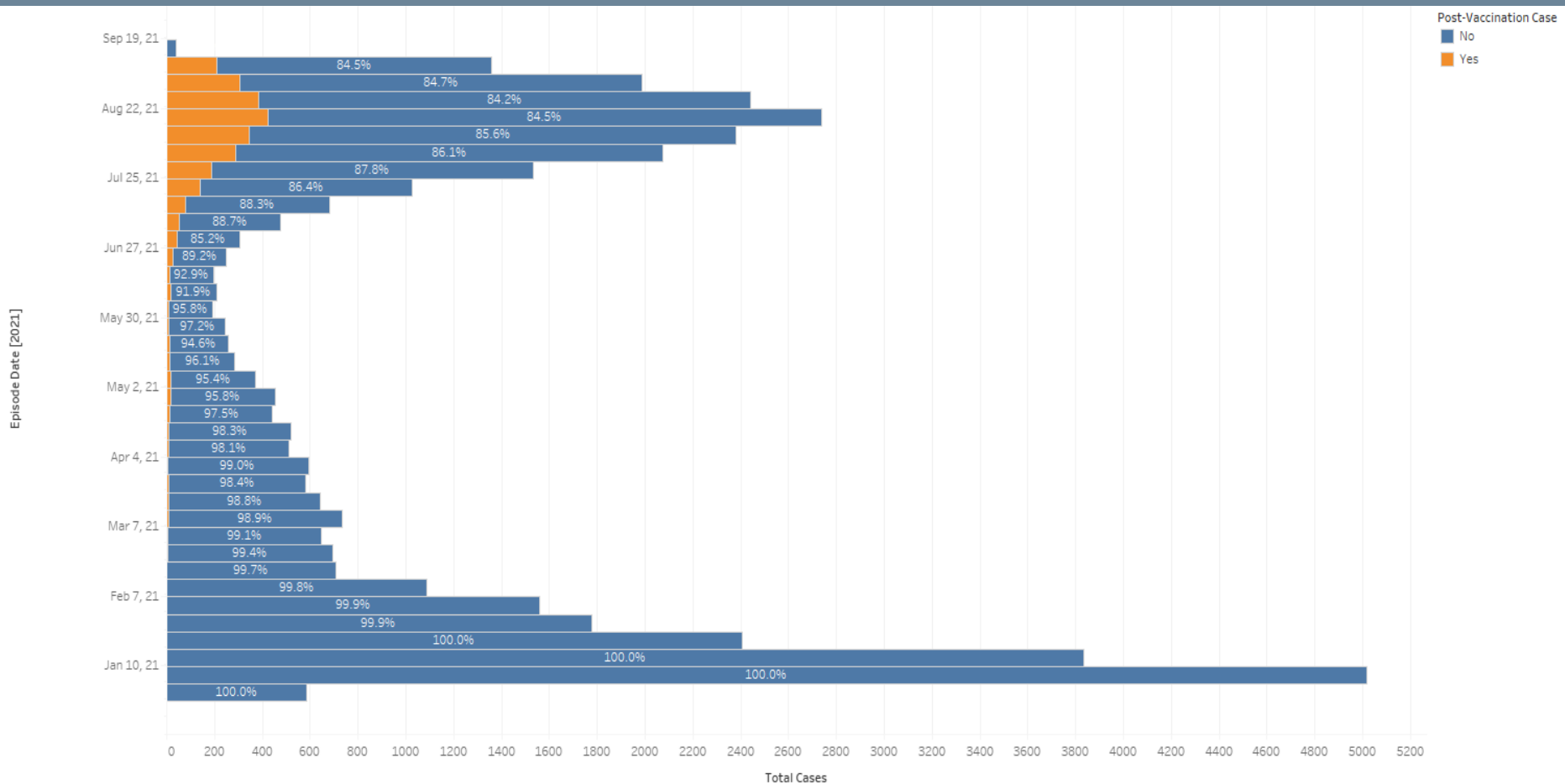
Note: The total number of deaths noted here is since the beginning of the pandemic on March 1, 2020.

Deaths by Comorbidities



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

Post-Vaccine Breakthrough Cases by Week



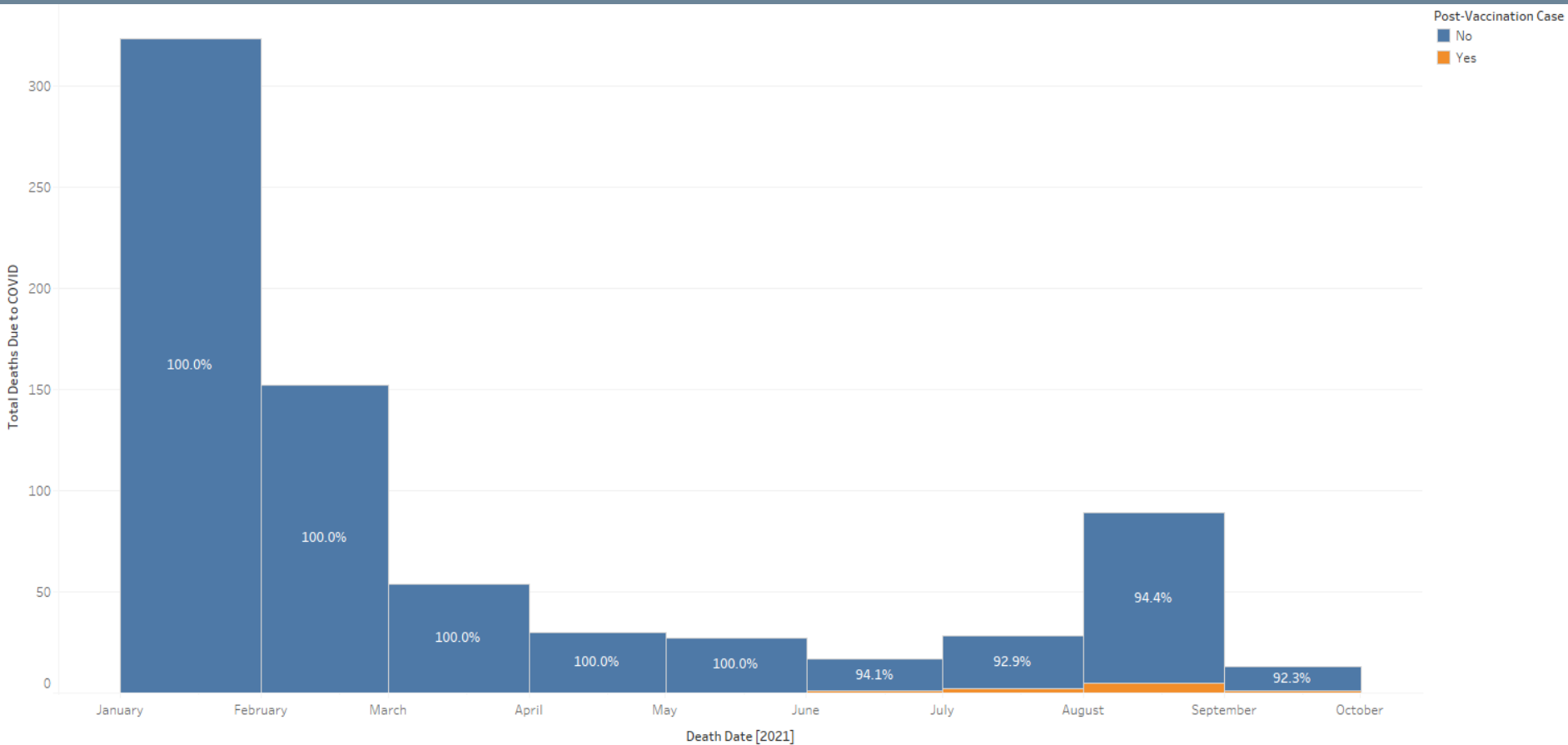
The plot of Total Cases for Episode Date Week. Color shows details about Post-Vaccination Case. The marks are labeled by % of Total Cases. The data is filtered on Episode Date Year, which keeps 2021.

****Additional information has been received from CDPH concerning limitations of the data source****

Note: Post-Vaccination Case 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 includes unvaccinated and partially vaccinated cases. Data through September 12, 2021. Updated every Friday.

- Since Mid-June there has been an increase in COVID-19 cases that are fully vaccinated.
- 0.75% 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 Post-Vaccination Case. The marks are labeled by % of Total Deaths Due to COVID. 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.

****Additional information has been received from CDPH concerning limitations of the data source****

Note: Post-Vaccination Case 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 includes unvaccinated and partially vaccinated cases. Data through September 12, 2021. Updated every Friday.

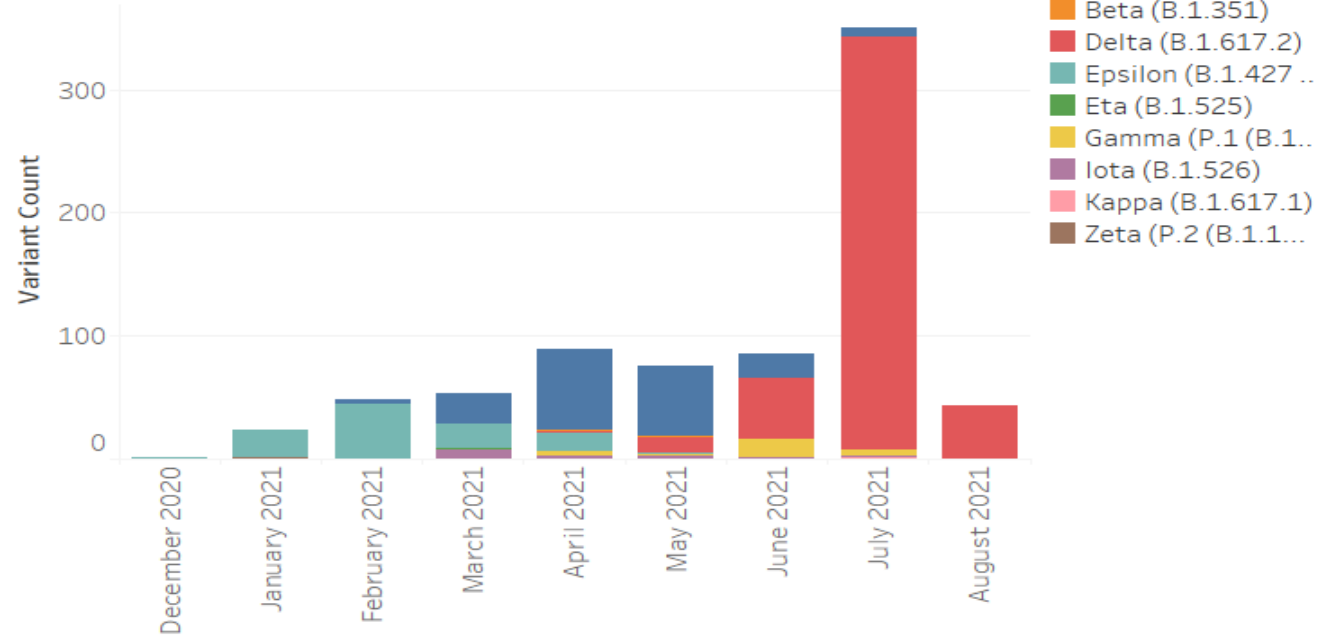
- **Less than 6% of the COVID-19 related deaths in August were fully vaccinated San Joaquin County residents.**

Variants of Interest/Concern

Total Variants

Alpha (B.1.1.7)	180
Beta (B.1.351)	3
Delta (B.1.617.2)	441
Epsilon (B.1.427 & B.1.429)	102
Eta (B.1.525)	1
Gamma (P.1 (B.1.1.28.1))	25
Iota (B.1.526)	16
Kappa (B.1.617.1)	1
Zeta (P.2 (B.1.1.28.2))	1
Grand Total	770

Specimens by Sequence Date



Variant Count By Type and Month

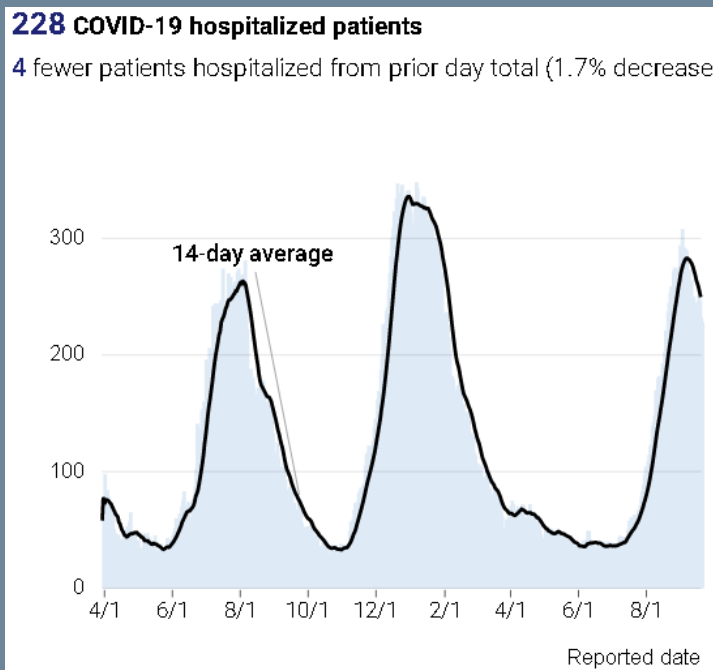
	Decemb..	January..	Februar..	March ..	April 20..	May 20..	June 20..	July 20..	August ..
Alpha (B.1.1.7)			4	25	65	58	20	8	
Beta (B.1.351)					2	1			
Delta (B.1.617.2)					1	12	50	335	43
Epsilon (B.1.427 & B..)	1	22	44	19	15	1			
Eta (B.1.525)				1					
Gamma (P.1 (B.1.1.2..					3	2	15	5	
Iota (B.1.526)				8	3	2	1	2	
Kappa (B.1.617.1)								1	
Zeta (P.2 (B.1.1.28.2..		1							
Grand Total	1	23	48	53	89	76	86	351	43

Total Hospitalizations and ICU Beds

Total Hospitalizations

228 COVID-19 hospitalized patients

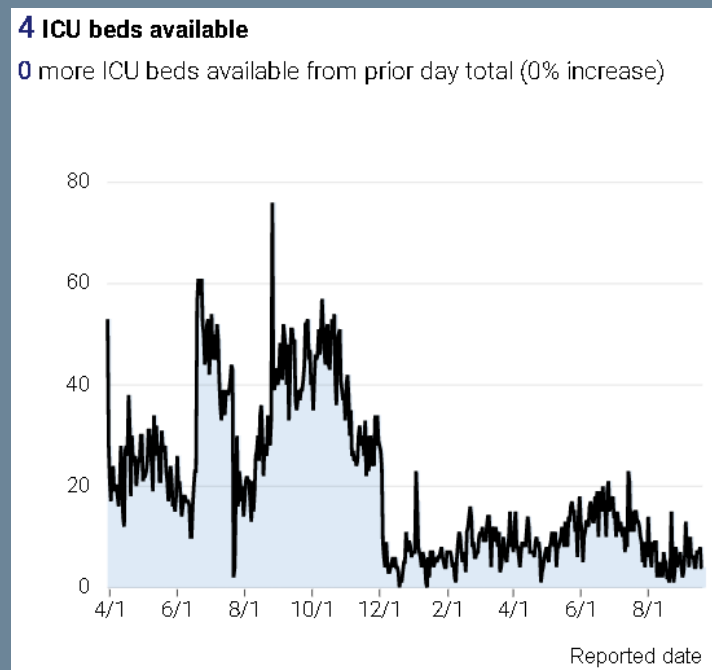
4 fewer patients hospitalized from prior day total (1.7% decrease)



ICU Beds Available

4 ICU beds available

0 more ICU beds available from prior day total (0% increase)



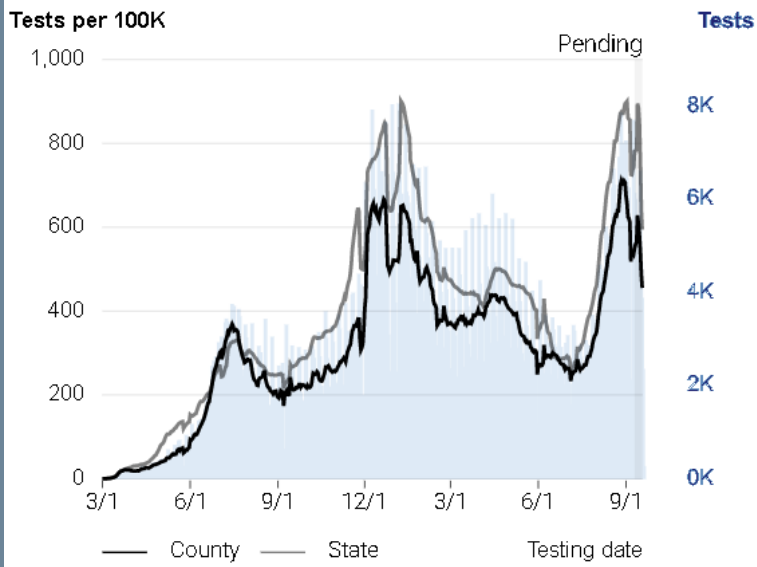
Note: Includes the number of licensed ICU beds and hospitalized patients in San Joaquin County, regardless of residency. Licensed ICU bed totals count the number of beds that can be staffed to provide intensive healthcare. Directional change is compared to the prior day. Data is provided by the California 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

1,382,409 total tests performed

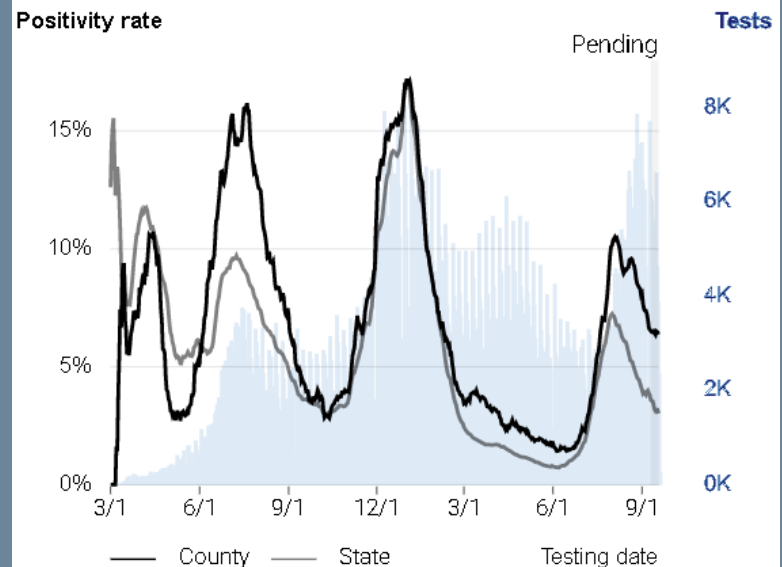
4,483 new tests reported (0.3% increase)



Positivity Rate

6.4% test positivity (7-day rate)

0.1% decrease from 7-days prior

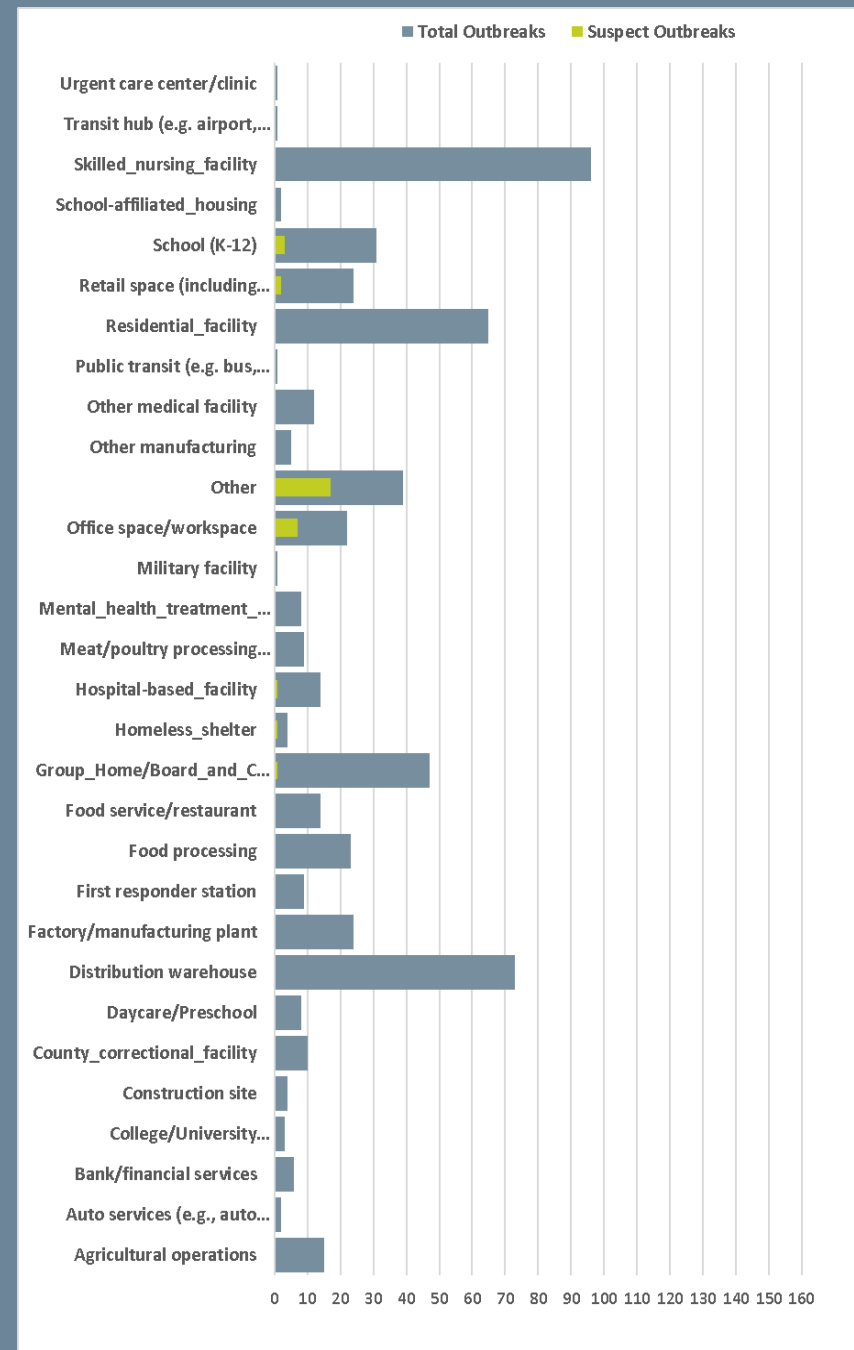


Note: Testing date is the date the test was administered. Test positivity is based on a 7-day average with no lag. Directional change is compared to the prior 7-day period. Data is provided by the California Department of Public Health. The total number is since the beginning of the pandemic on March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

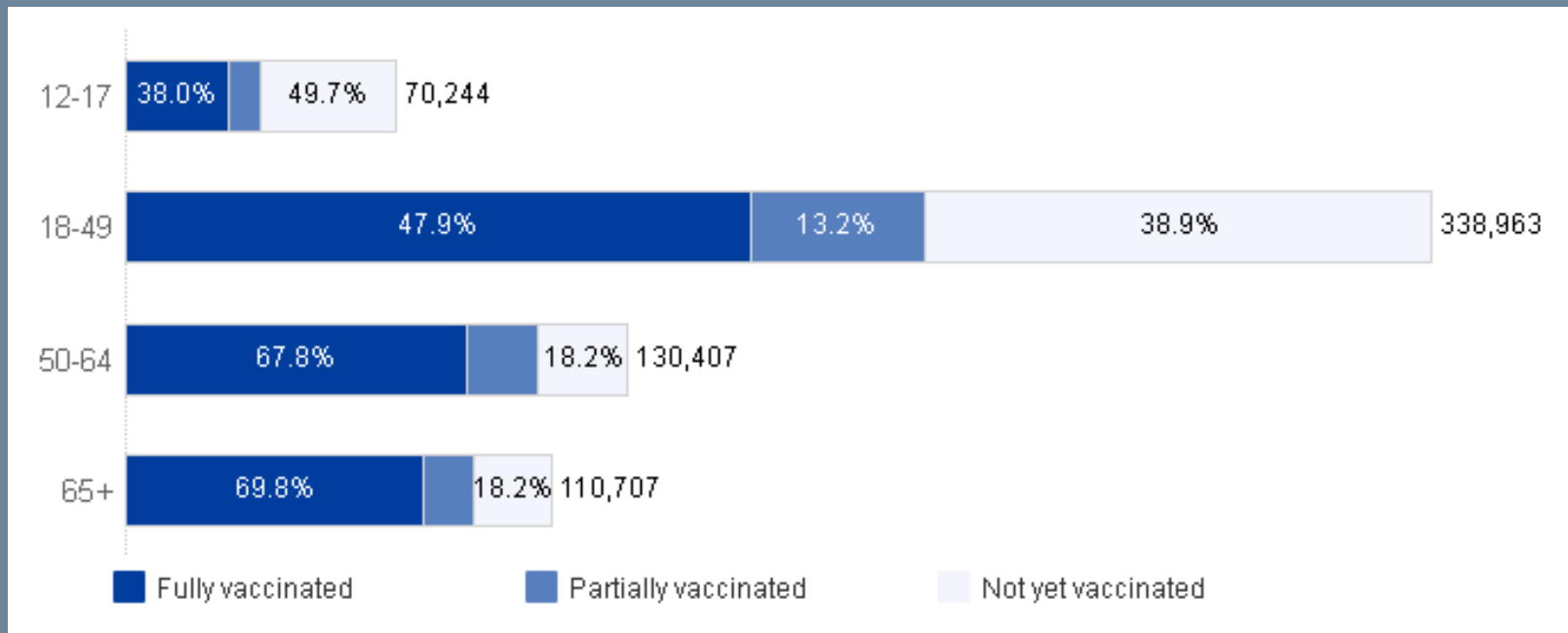


Vaccinations by Jurisdiction

Jurisdiction	Population	Total Vaccinations	Fully Vaccinated	% Fully Vaccinated	Partially Vaccinated	% Partially Vaccinated
Unincorporated	166,467	25,999	22,777	13.7	3,222	1.9
Escalon	6,104	6,019	5,302	86.9	717	11.7
Lathrop	18,226	16,856	14,938	82.0	1,918	10.5
Lodi	53,933	40,838	35,515	65.9	5,323	9.9
Manteca	65,240	51,759	45,691	70.0	6,068	9.3
Ripon	13,094	9,327	8,333	63.6	994	7.6
Stockton	252,326	201,928	171,620	68.0	30,308	12.0
Tracy	74,931	68,317	60,406	80.6	7,911	10.6
Unknown	<i>n/a</i>	1,416	954	<i>n/a</i>	462	<i>n/a</i>
Total	650,321	422,459	365,536	56.2	56,923	8.8

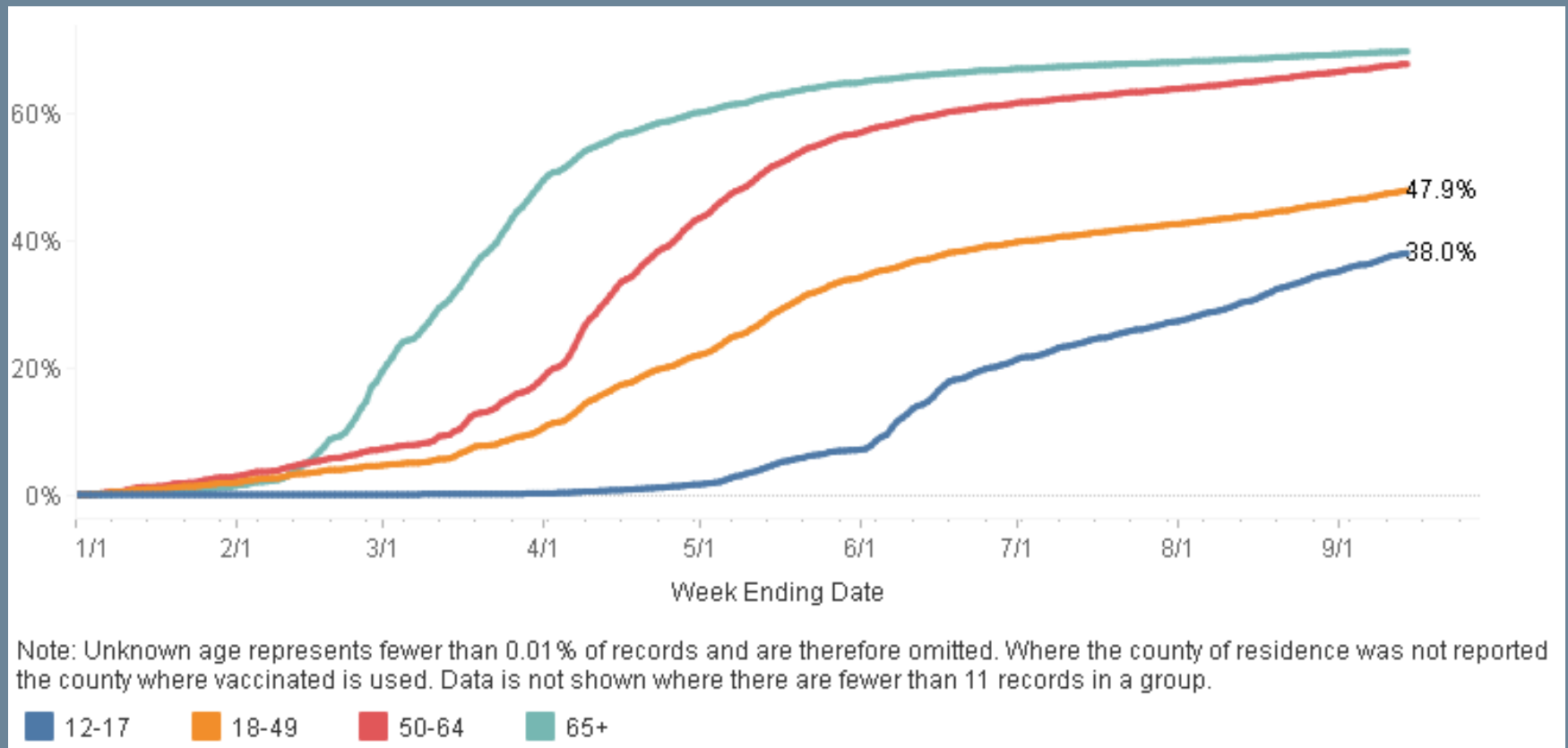
Note: Population estimates have been updated to 2021 DoF projections to be more consistent with State reporting. Population estimates are for individuals 12 years and older.

Vaccination Progress by Age Group



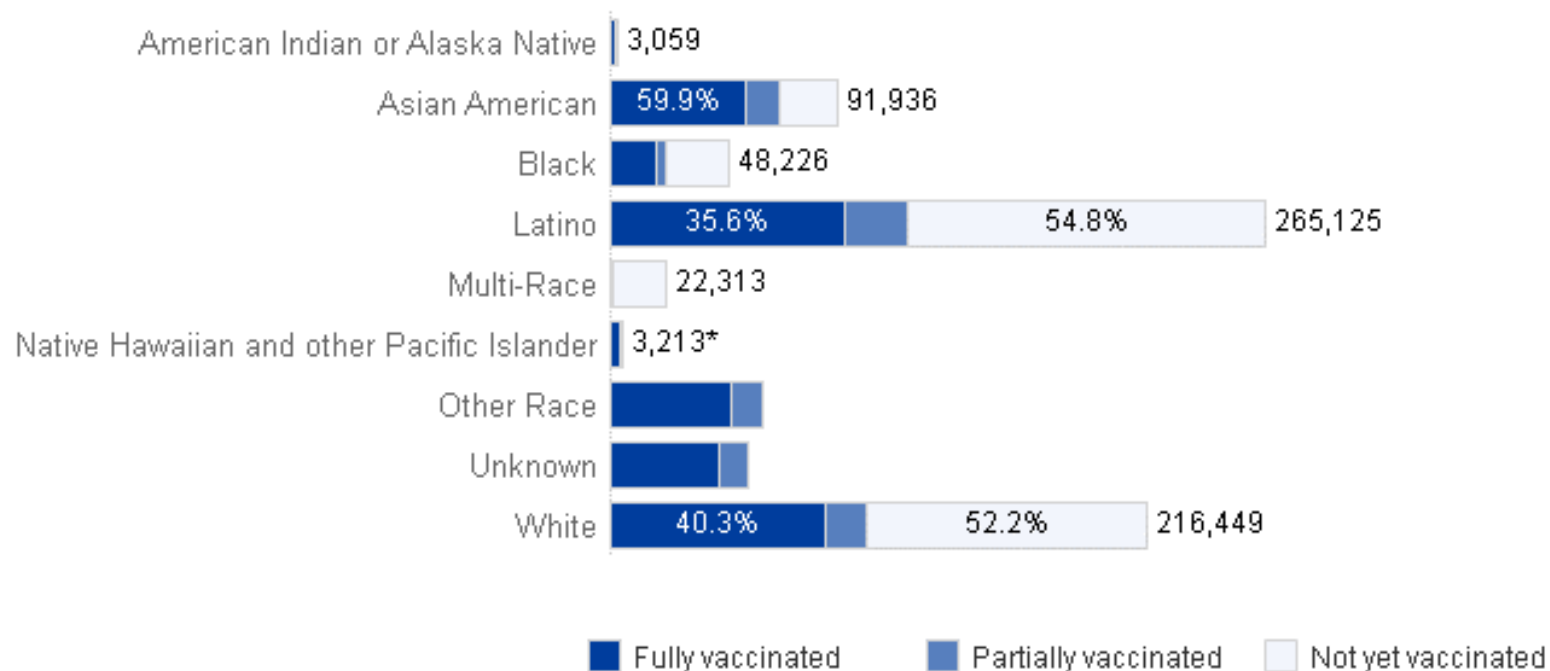
Note: Vaccination breakdowns are updated every Wednesday. Source: <https://covid19.ca.gov/vaccination-progress-data/#equitably-across-groups>

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>

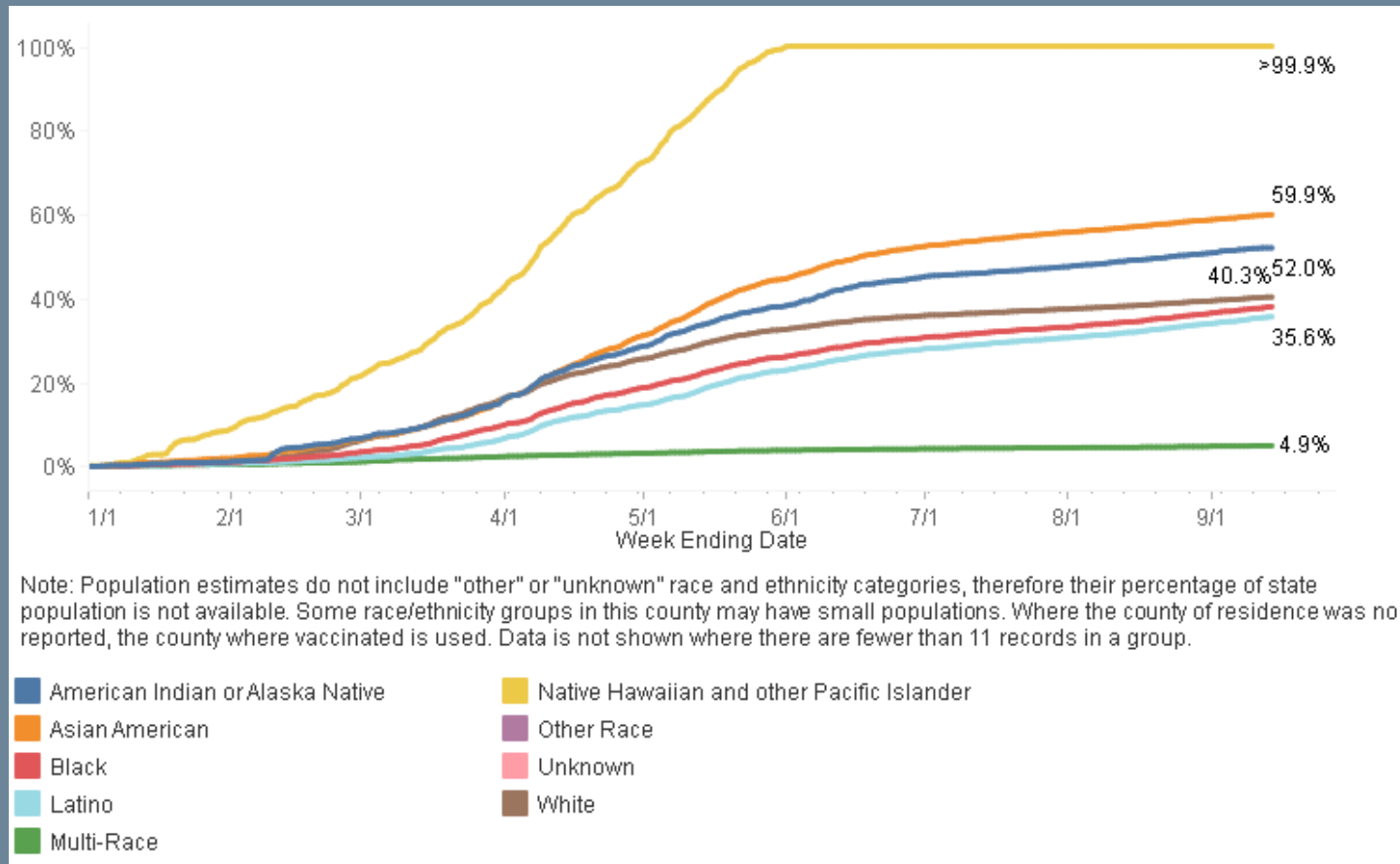
Vaccination Progress by Race/Ethnicity



* 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>

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:
 - 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.