COVID-19 Data Report

Data through November 7, 2021

Updated November 8, 2021

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

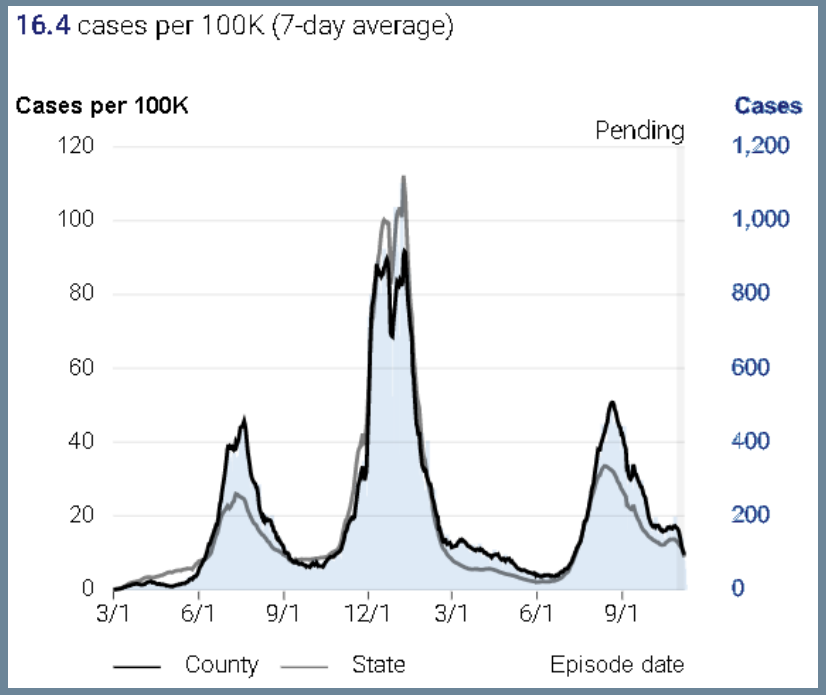
Report produced by: San Joaquin County, Public Health Services, Epidemiology

San Joaquin County
Public Health Services
health grows here

Total Number of Cases and Deaths

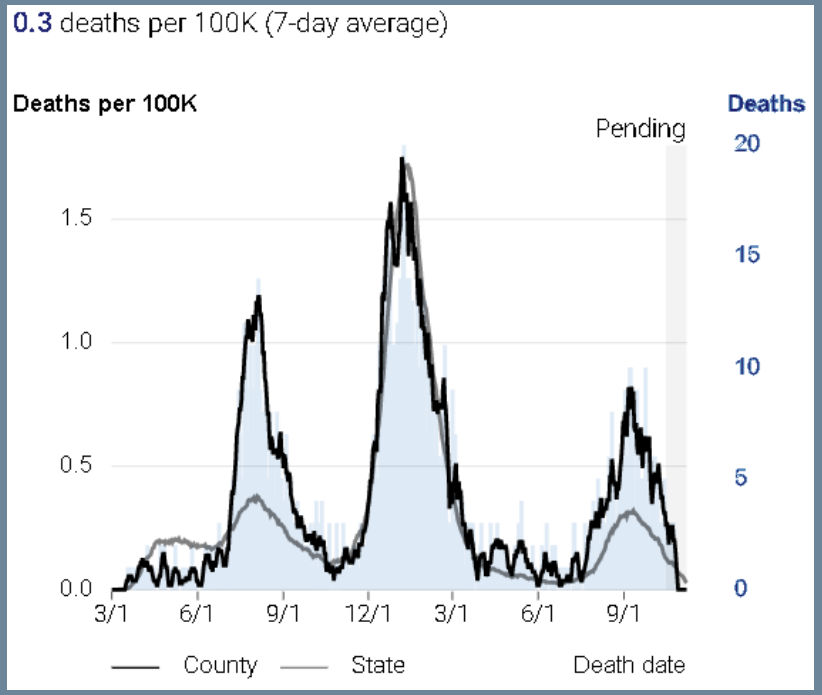
Total Cases

- **Total Number of Cases: 100,473**
- **Total New Cases Since Previous Report: 315**



Total Deaths

- **Total Number of COVID-19 Related Deaths: 1,798**
- **Total New Deaths Since Previous Report: 19**



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	17,560	60	308	7	1,042.3
Escalon	1,049	-3	17	0	1,402.8
Lathrop	3,224	12	28	0	1,201.5
Lodi	8,732	74	200	0	1,285.4
Manteca	9,715	-6	156	2	1,145.6
Ripon	1,938	-32	29	0	1,216.6
Stockton	42,148	163	896	9	1,323.2
Tracy	10,516	28	110	1	1,096.2

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.

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	907	7	38	1	1,253.3
95203	2,231	14	43	1	1,262.9
95204	3,938	18	99	1	1,243.3
95205	5,896	11	139	3	1,373.3
95206	10,136	39	181	1	1,382.8
95207	6,821	31	172	0	1,284.6
95209	5,847	23	112	1	1,306.3
95210	5,564	27	123	3	1,256.3
95211	8	0	0	0	34.6
95212	3,718	21	57	1	1,307.0
95215	3,245	11	65	1	1,224.4
95219	2,956	7	46	0	936.9
95220	729	2	14	0	906.5
95227	74	0	1	0	657.2
95230	43	0	1	0	819.0
95231	603	3	16	0	1,218.2
95234	0	0	0	0	0.0
95236	496	4	8	1	1,028.4
95237	392	0	6	0	1,104.2

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.

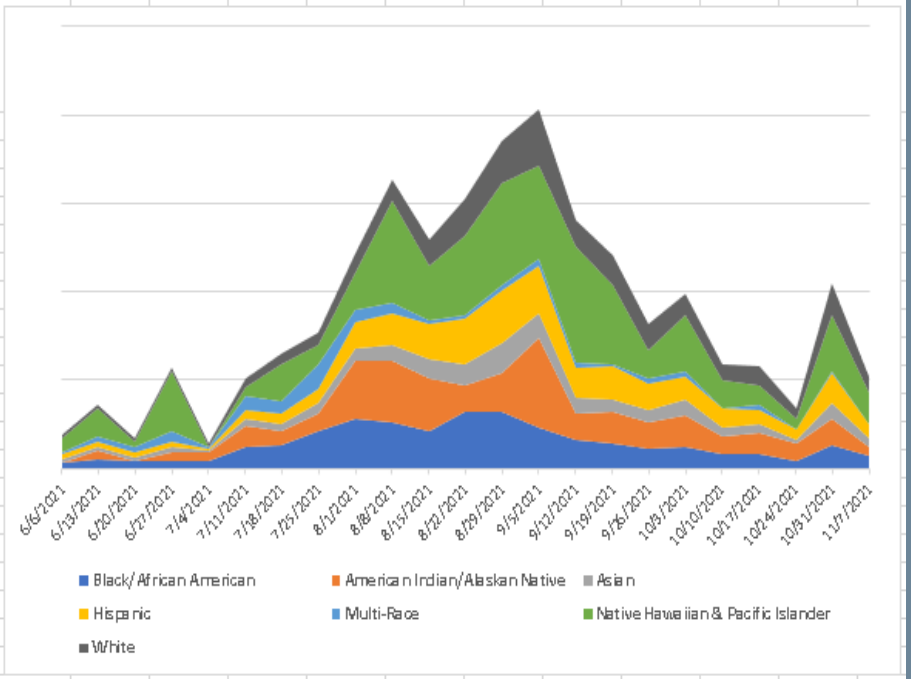
Cases and Deaths by ZIP Code (2 of 2)

Zip Code	Case Count	New Cases	Death Count	New Deaths	Case Rate per 10K (Total)
95240	6,892	65	181	0	1,293.3
95242	2,958	16	46	0	1,029.7
95253	0	0	0	0	0.0
95254	0	0	0	0	0.0
95258	501	4	9	0	1,196.0
95304	1,545	2	12	0	893.7
95320	1,645	-5	24	0	1,153.0
95330	3,258	12	29	0	1,613.7
95336	5,383	-6	104	1	1,119.4
95337	5,083	-4	68	2	1,426.3
95361	41	0	2	0	674.3
95366	2,194	-33	30	0	1,178.9
95367	2	0	0	0	606.1
95376	6,578	17	87	0	1,162.2
95377	3,626	7	22	1	1,037.2
95391	1,353	3	6	0	575.6
95632	103	0	0	0	695.9
95686	116	0	3	0	762.7

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

				Race/Ethnicity			
Date	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	73.1
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	115.4
8/15/2021	210.2	303.4	100.6	202.5	19.3	314.1	141
8/22/2021	316.1	151.7	116.9	263.7	19.3	444.9	210.8
8/29/2021	316.1	227.6	169.6	294.9	27	575.8	241.2
9/5/2021	230.3	505.7	138.8	266.8	42.4	523.4	326.6
9/12/2021	159	151.7	90.9	163.5	30.8	654.3	151.7
9/19/2021	138.9	177	71.4	187.2	19.3	444.9	166.1
9/26/2021	113.3	151.7	66.5	151	30.8	157	150.5
10/3/2021	122.4	177	94.9	125.5	30.8	314.1	117.4
10/10/2021	84.1	101.1	45.4	106.1	7.7	157	91
10/17/2021	78.6	126.4	43	79.9	34.7	104.7	114.2
10/24/2021	42	101.1	23.5	55.2	3.9	52.3	57.9
10/31/2021	127.9	151.7	95.8	161	15.4	314.1	183.7
11/7/2021	67.6	50.6	52.7	75.8	0	183.2	87.1

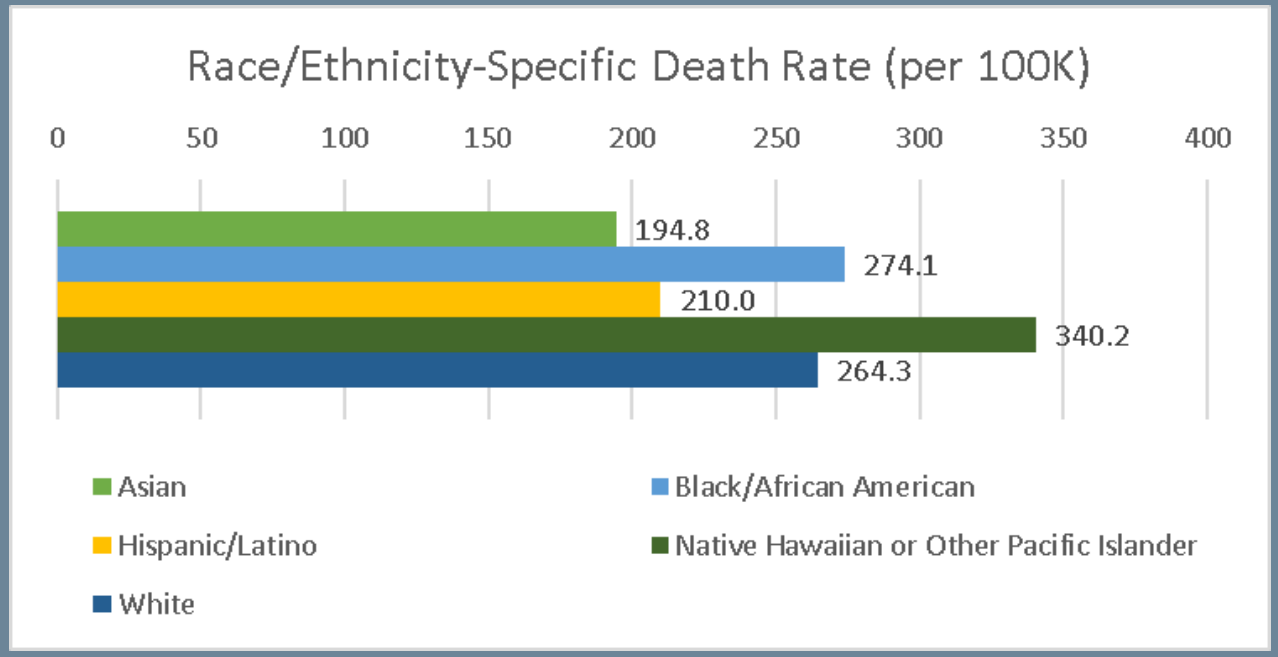


Notes: 7-day case rate (episode date with no lag). This stacked area shows the magnitude of change over time and to draw attention to total cases over time. American Indian/Alaskan Native and Native Hawaiian/Other Pacific Islander are now included in the graph , which has affected the color legend. Additionally, 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)**
- **In September, there appears to be a decrease in the case rate among most race/ethnicity populations within our county.**
- **In the beginning of October, there appeared to be a continued decrease in case rate amongst most race/ethnicity populations within our county. Later in the month of October there was an increase in case rate, that has since decreased in the beginning of November.**

Deaths by Race/Ethnicity

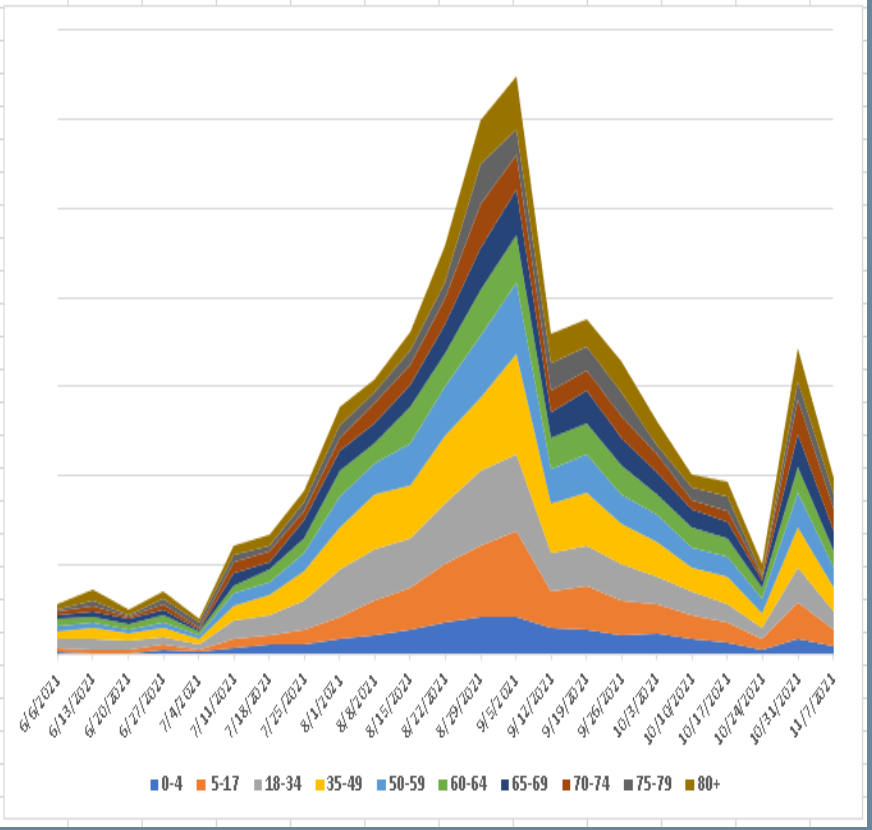
Race/Ethnicity	% Pop	Total Deaths	% Deaths
Asian	15.7	240	13.3
Black/African American	7.0	150	8.3
Hispanic/Latino	40.9	673	37.4
Native Hawaiian or Other Pacific Islander	0.5	13	0.7
White	32.0	662	36.8



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

					Age Group					
Date	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	42.2	33.3	35.1	20.4	18.3	15.5	28.5
6/13/2021	4.2	25.9	59.4	58.9	32.2	32.7	29.2	32.9	31.1	61.1
6/20/2021	8.3	19.1	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	40.7
7/4/2021	14.6	10.9	33.2	24.9	29	14	11.7	11	31.1	16.3
7/11/2021	35.3	55.2	100.5	81	69.8	44.4	73	54.9	46.6	52.9
7/18/2021	56.1	53.9	111.9	108.7	77.3	70.1	38	62.2	31.1	61.1
7/25/2021	52	91.4	163.4	157.2	106.3	74.8	102.2	51.2	56.9	57
8/1/2021	87.3	123.4	265.9	234.1	172.8	140.3	116.8	69.5	72.5	105.9
8/8/2021	104	199.1	290.6	304	173.9	112.2	111	113.5	56.9	77.4
8/15/2021	141.4	230.5	274.3	299.1	239.4	198.7	122.6	120.8	77.6	101.8
8/22/2021	183	322.5	341.1	377.4	278	180	163.5	142.7	93.2	203.6
8/29/2021	214.1	398.2	413.9	411.3	344.5	254.8	236.5	248.9	222.6	252.4
9/5/2021	207.9	478	435.2	565	395	268.9	254	194	139.8	297.2
9/12/2021	149.7	199.1	222.8	268	194.3	177.7	140.2	131.8	144.9	162.9
9/19/2021	139.3	246.2	226.8	293.6	215.7	173	183.9	117.1	129.4	150.6
9/26/2021	104	199.1	199	225.7	165.3	170.7	148.9	120.8	134.6	179.1
10/3/2021	114.3	165.7	157.9	191.8	156.7	112.2	116.8	106.1	51.8	130.3
10/10/2021	85.2	139.1	130.2	130.9	117	109.9	99.3	51.2	72.5	77.4
10/17/2021	66.5	109.1	108.9	153	105.2	112.2	90.5	54.9	82.8	81.4
10/24/2021	24.9	58	70.8	78.9	78.4	60.8	38	22	15.5	57
10/31/2021	91.5	195.7	195.6	229.2	196.4	135.6	189.8	190.3	108.7	179.1
11/7/2021	45.7	95.5	100	137.1	103	98.2	108	124.4	82.8	89.6

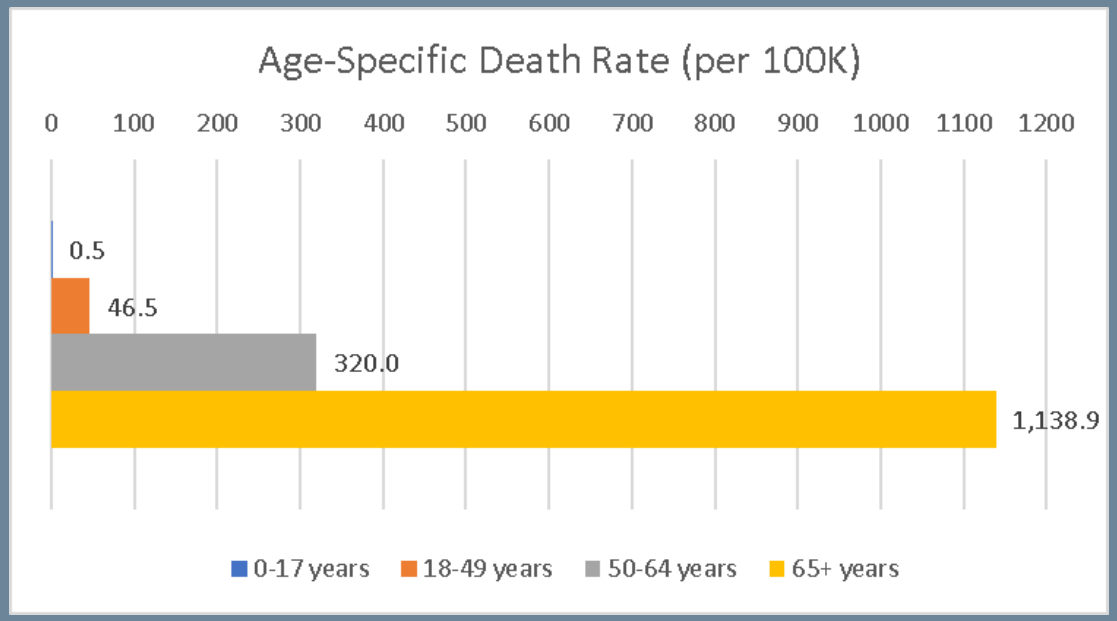


Note: 7-day case rate (episode date with no lag). This stacked area shows the magnitude of change over time and to draw attention to total cases over time.

- **In August, there was a dramatic increase in case rate for 5-17-year-olds within our County.**
- **In September, there appeared to be a decrease in case rate among most age groups.**
- **In the beginning of October, there appeared to be a continued decrease in case rate amongst most age groups within our county. Later in the month of October there was an increase in case rate, that has since decreased in the beginning of November.**

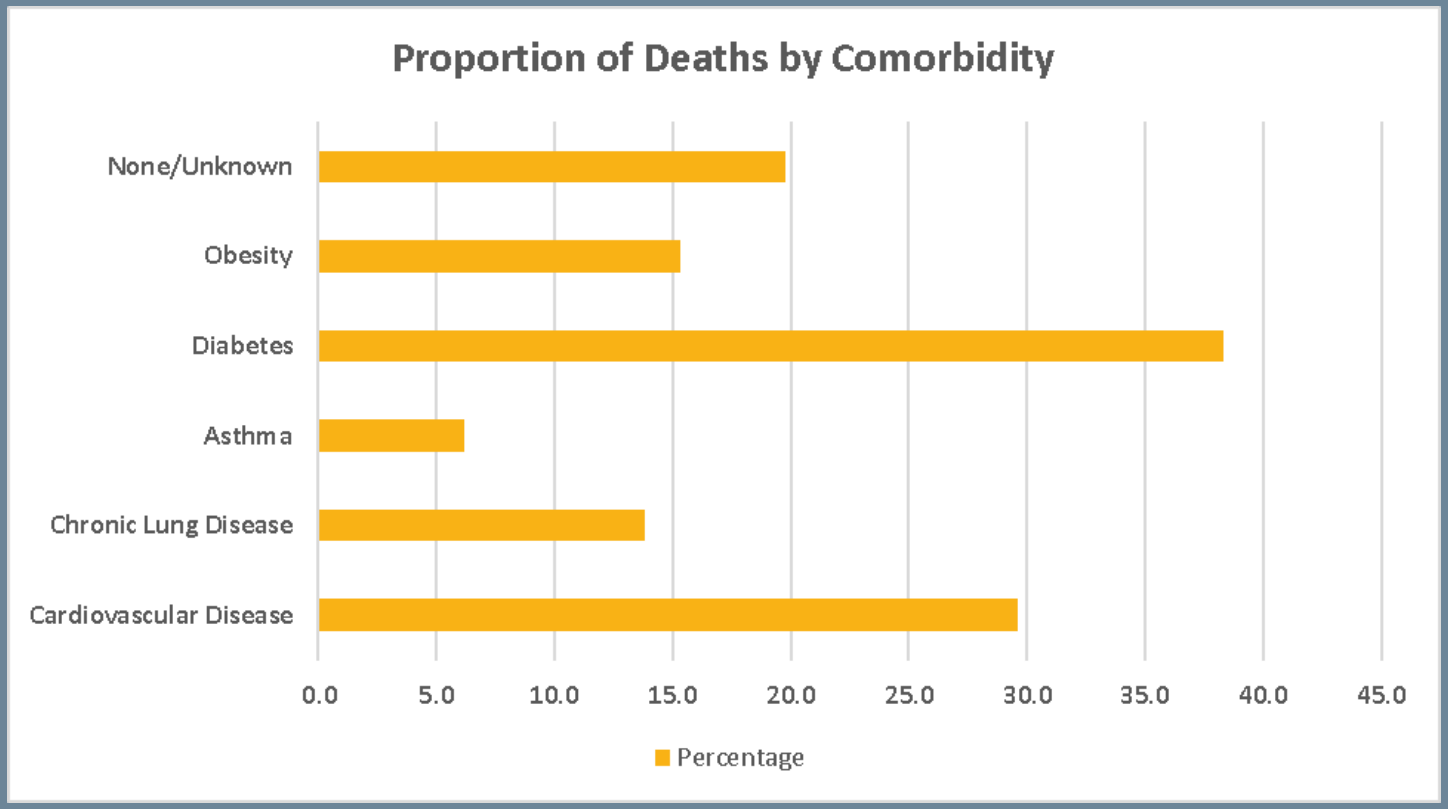
Deaths by Age Group

Age Group	% Pop	Total Deaths	% Deaths
0-17 years	24.9	1	0.1
18-49 years	44.3	161	9.0
50-64 years	17.4	435	24.2
65+ years	13.5	1201	66.8



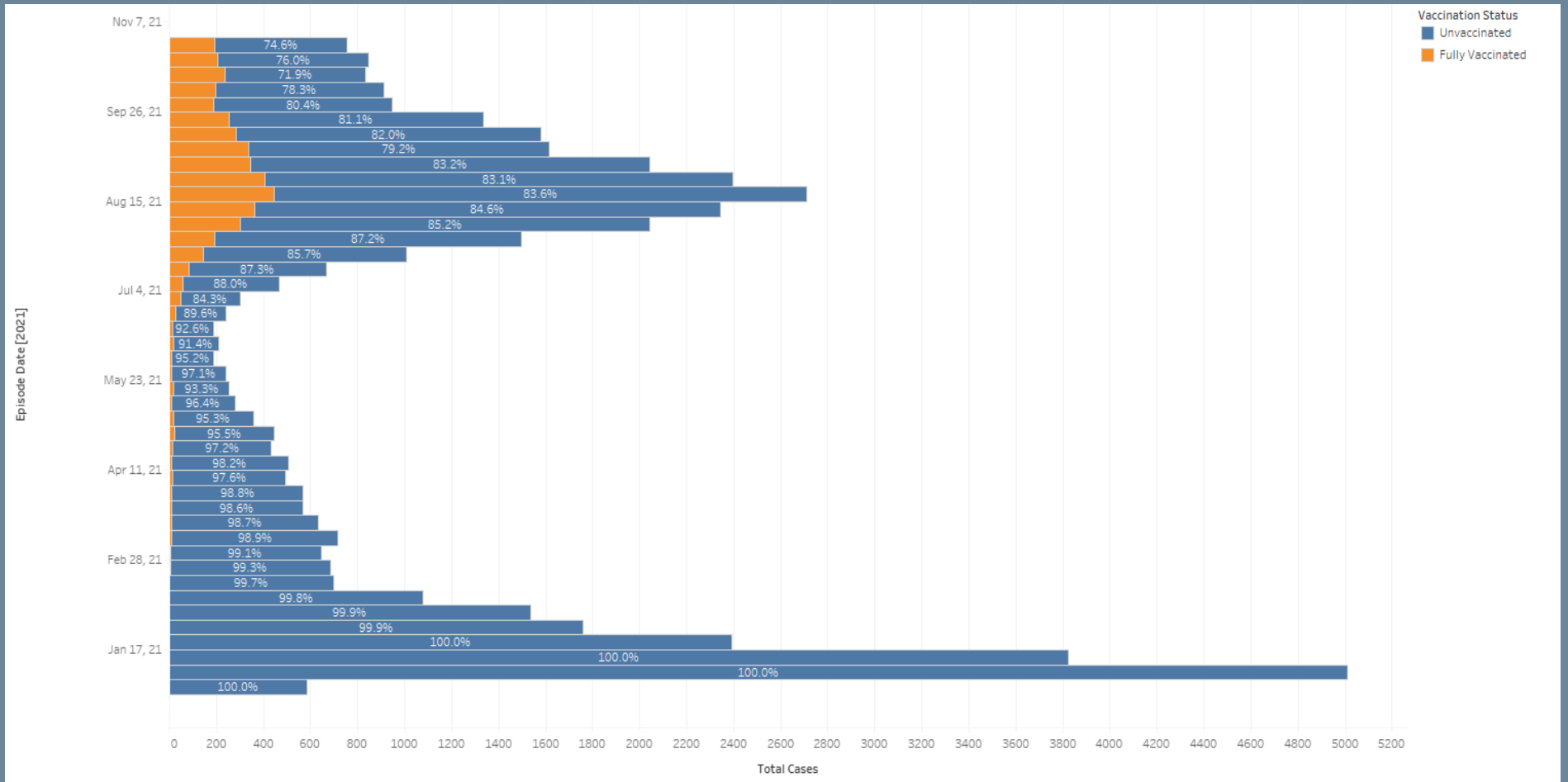
Note: The total number of deaths noted here is since the beginning of the pandemic on March 1, 2020.

Deaths by Comorbidities



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

Post-Vaccine Breakthrough Cases by Week

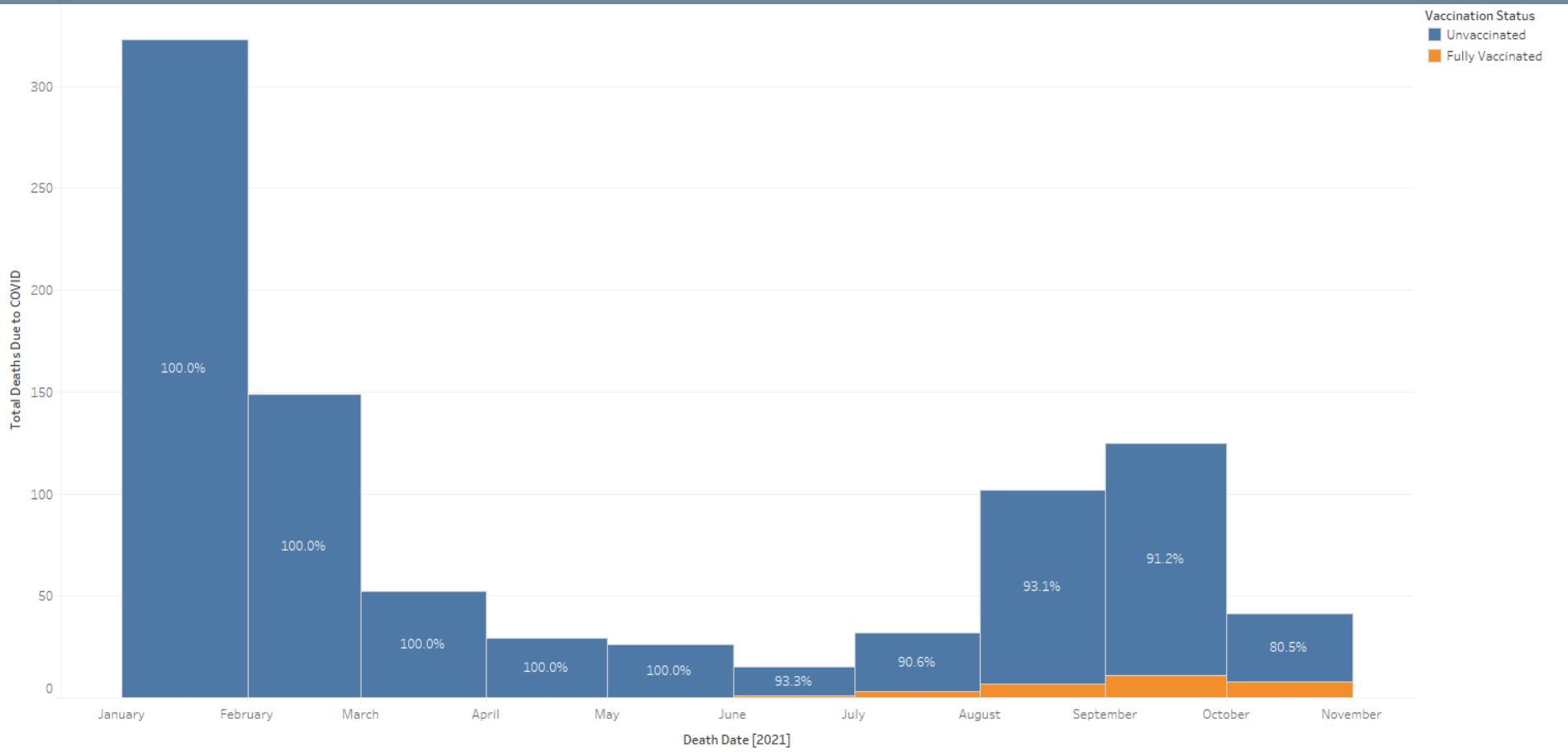


The plot of Total Cases for Episode Date Week. Color shows details about Vaccination Status. The marks are labeled by % of Total Cases, excluding Partially Vaccinated Cases. The data is filtered on Episode Date Year, which keeps 2021.

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 October 30, 2021. Updated every Friday.

- **Over 70% of the cases in October were unvaccinated (excluding partially vaccinated cases).**
- **1.08% 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 October 30, 2021. Updated every Friday.

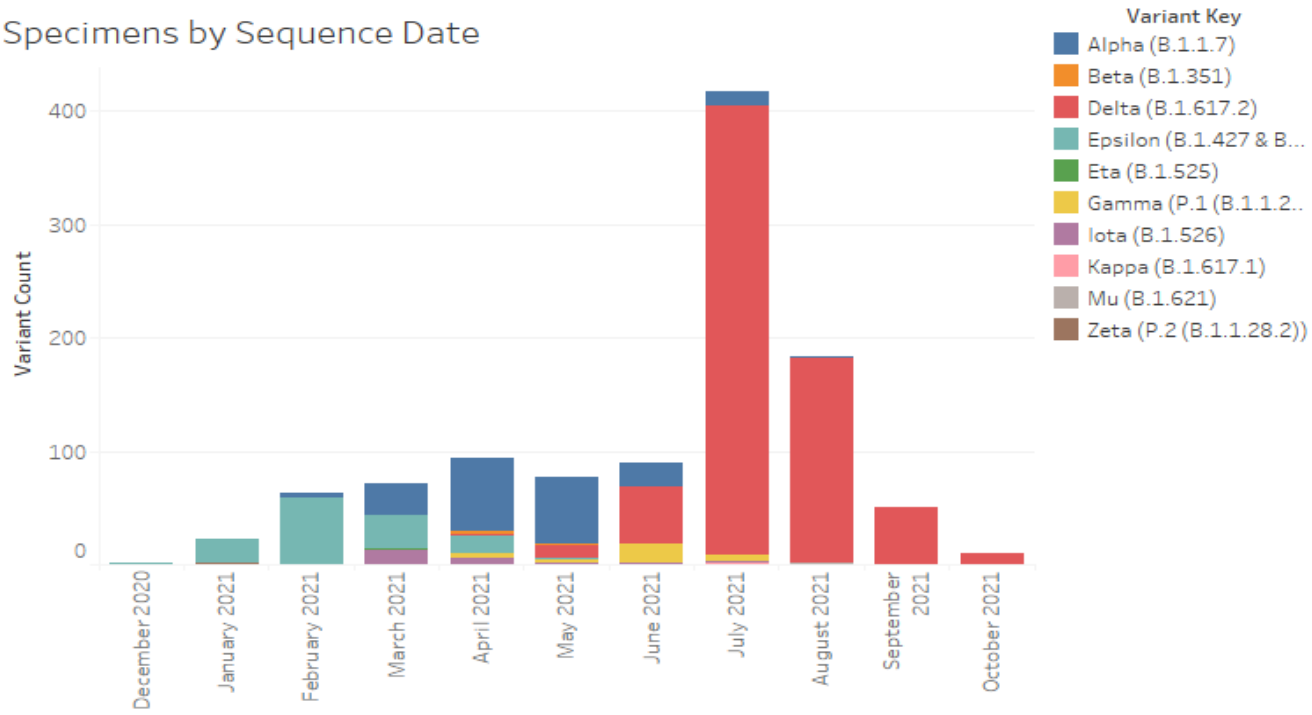
- **Around 80% of the COVID-19 related deaths in October were unvaccinated San Joaquin County residents (excluding partially vaccinated cases).**

Variants of Interest/Concern

Total Variants

Alpha (B.1.1.7)	191
Beta (B.1.351)	3
Delta (B.1.617.2)	701
Epsilon (B.1.427 & B.1.429)	128
Eta (B.1.525)	2
Gamma (P.1 (B.1.1.28.1))	28
Iota (B.1.526)	23
Kappa (B.1.617.1)	1
Mu (B.1.621)	2
Zeta (P.2 (B.1.1.28.2))	1
Grand Total	1,080

Specimens by Sequence Date

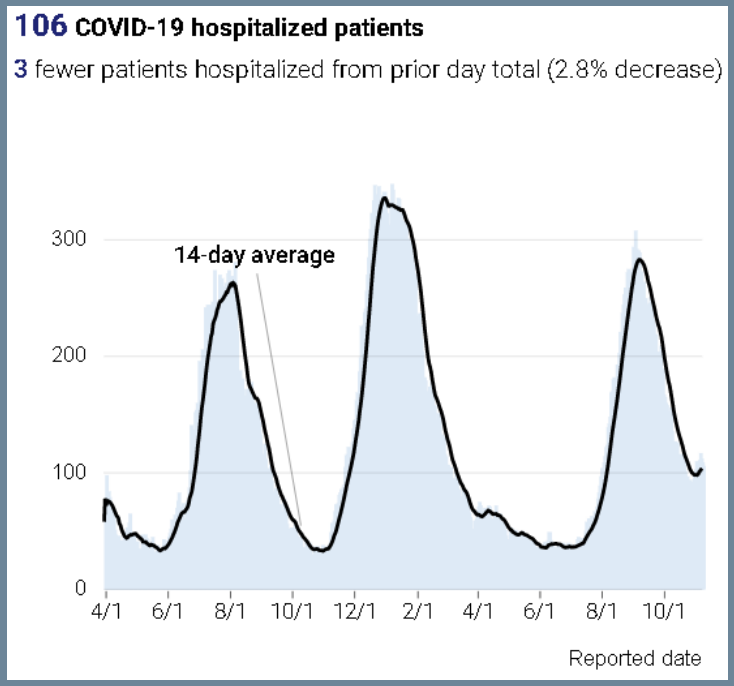


Variant Count By Type and Month

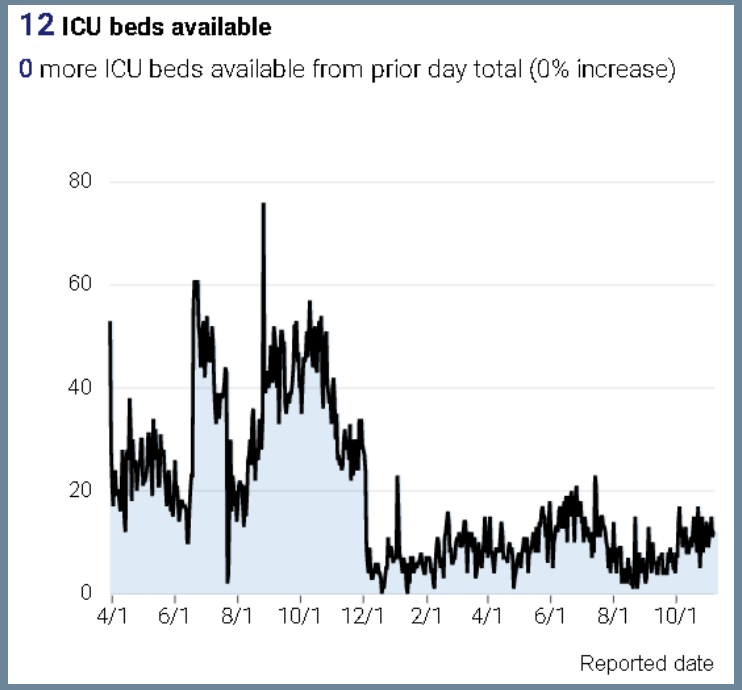
	Decembe..	January ..	February..	March 2..	April 2021	May 2021	June 2021	July 2021	August 2..	Septemb..	October ..
Alpha (B.1.1.7)			4	29	65	59	20	12	2		
Beta (B.1.351)					2	1					
Delta (B.1.617...					1	12	51	396	181	50	10
Epsilon (B.1.42..	1	22	59	29	16	1					
Eta (B.1.525)				2							
Gamma (P.1 (B...					4	2	16	6			
Iota (B.1.526)				12	6	2	1	2			
Kappa (B.1.617..								1			
Mu (B.1.621)							1		1		
Zeta (P.2 (B.1.1..		1									
Grand Total	1	23	63	72	94	77	89	417	184	50	10

Total Hospitalizations and ICU Beds

Total Hospitalizations



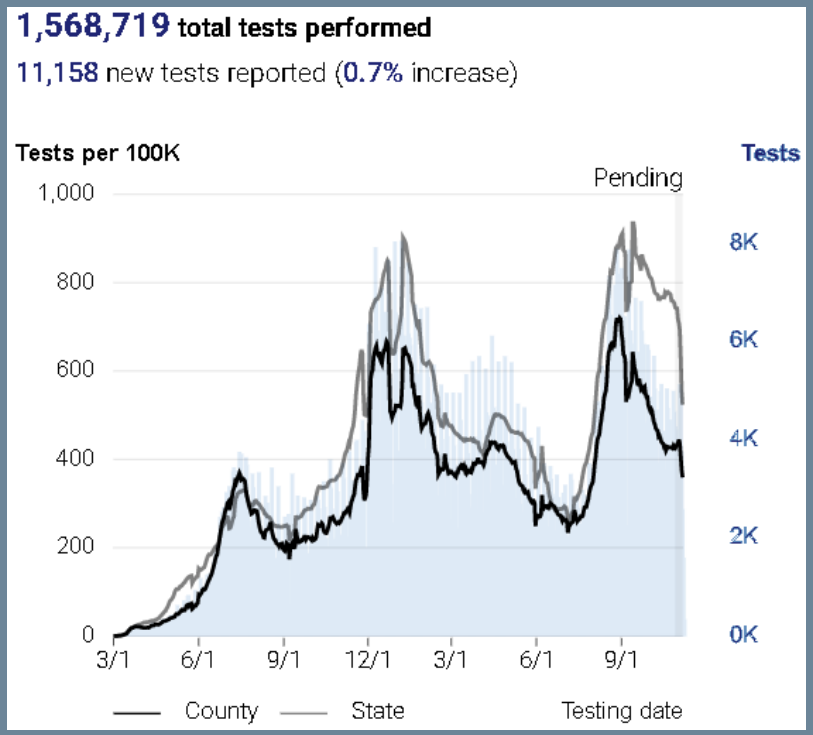
ICU Beds Available



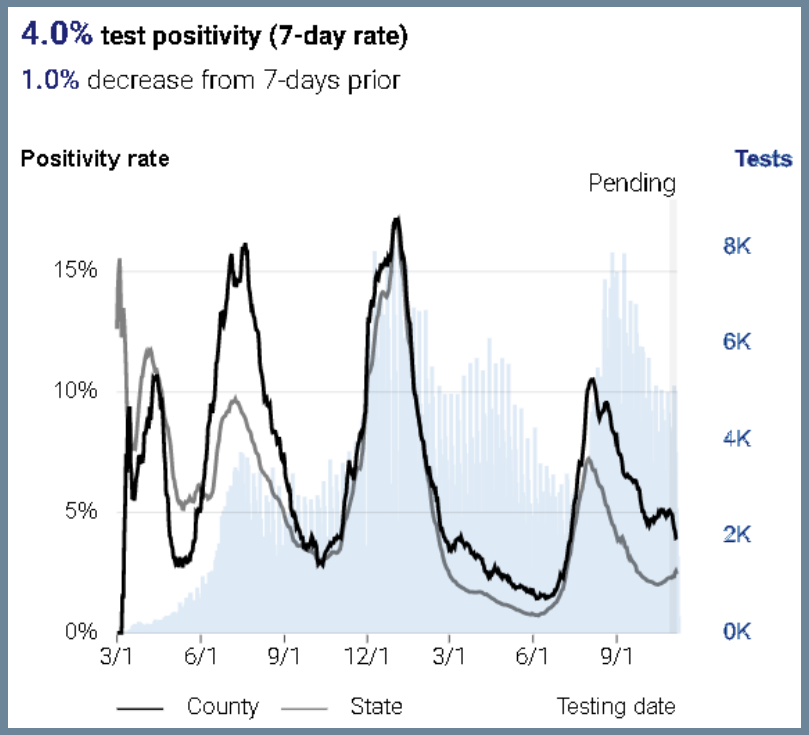
Note: Includes the number of licensed ICU beds and hospitalized patients in San Joaquin County, regardless of residency. Licensed ICU bed totals count the number of beds that can be staffed to provide intensive healthcare. Directional change is compared to the prior day. Data is provided by the California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

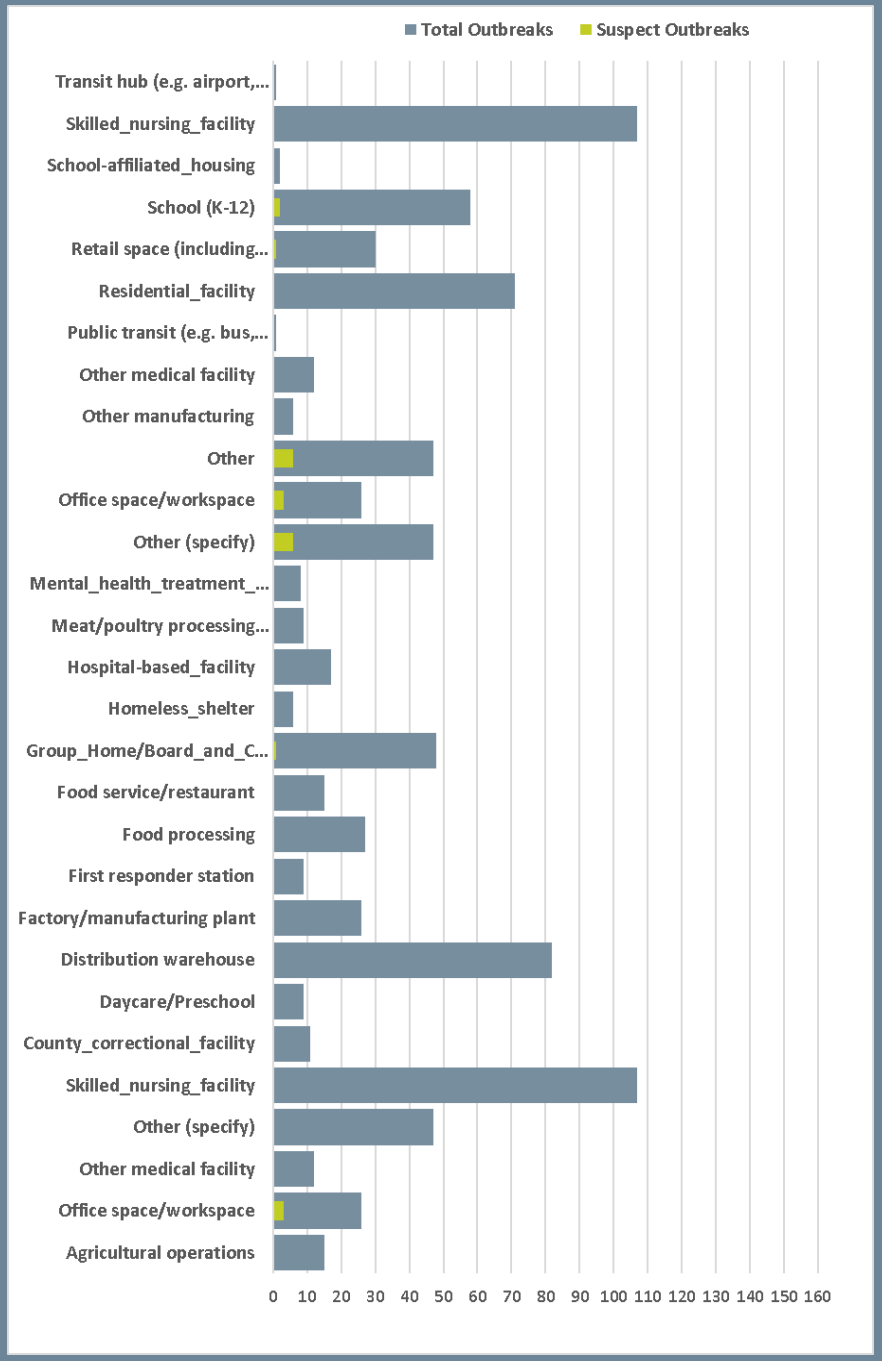


Note: Testing date is the date the test was administered. Test positivity is based on a 7-day average with no lag. Directional change is compared to the prior 7-day period. Data is provided by the California Department of Public Health. The total number is since the beginning of the pandemic on March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

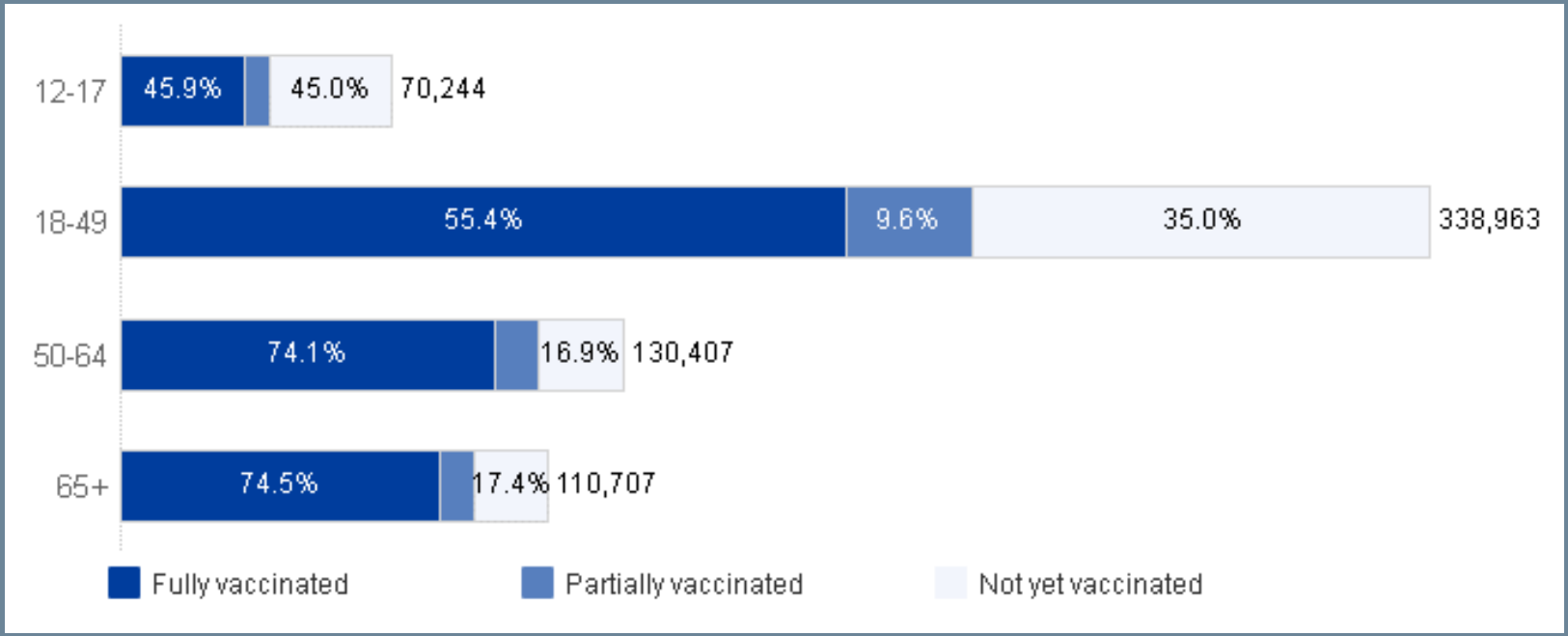


Vaccinations by Jurisdiction

Jurisdiction	Population	Total Vaccinations	Fully Vaccinated	% Fully Vaccinated	Partially Vaccinated	% Partially Vaccinated
Unincorporated	142,043	27,434	24,315	17.1	3,119	2.2
Escalon	6,746	6,462	5,811	86.1	651	9.7
Lathrop	20,571	18,024	16,280	79.1	1,744	8.5
Lodi	60,718	43,883	38,794	63.9	5,089	8.4
Manteca	73,611	55,600	49,962	67.9	5,638	7.7
Ripon	14,742	9,866	8,937	60.6	929	6.3
Stockton	286,655	216,253	187,942	65.6	28,311	9.9
Tracy	85,129	72,542	64,785	76.1	7,757	9.1
Unknown	*n/a*	1,501	1,054	*n/a*	447	*n/a*
Total	690,215	451,565	397,880	57.6	53,685	7.8

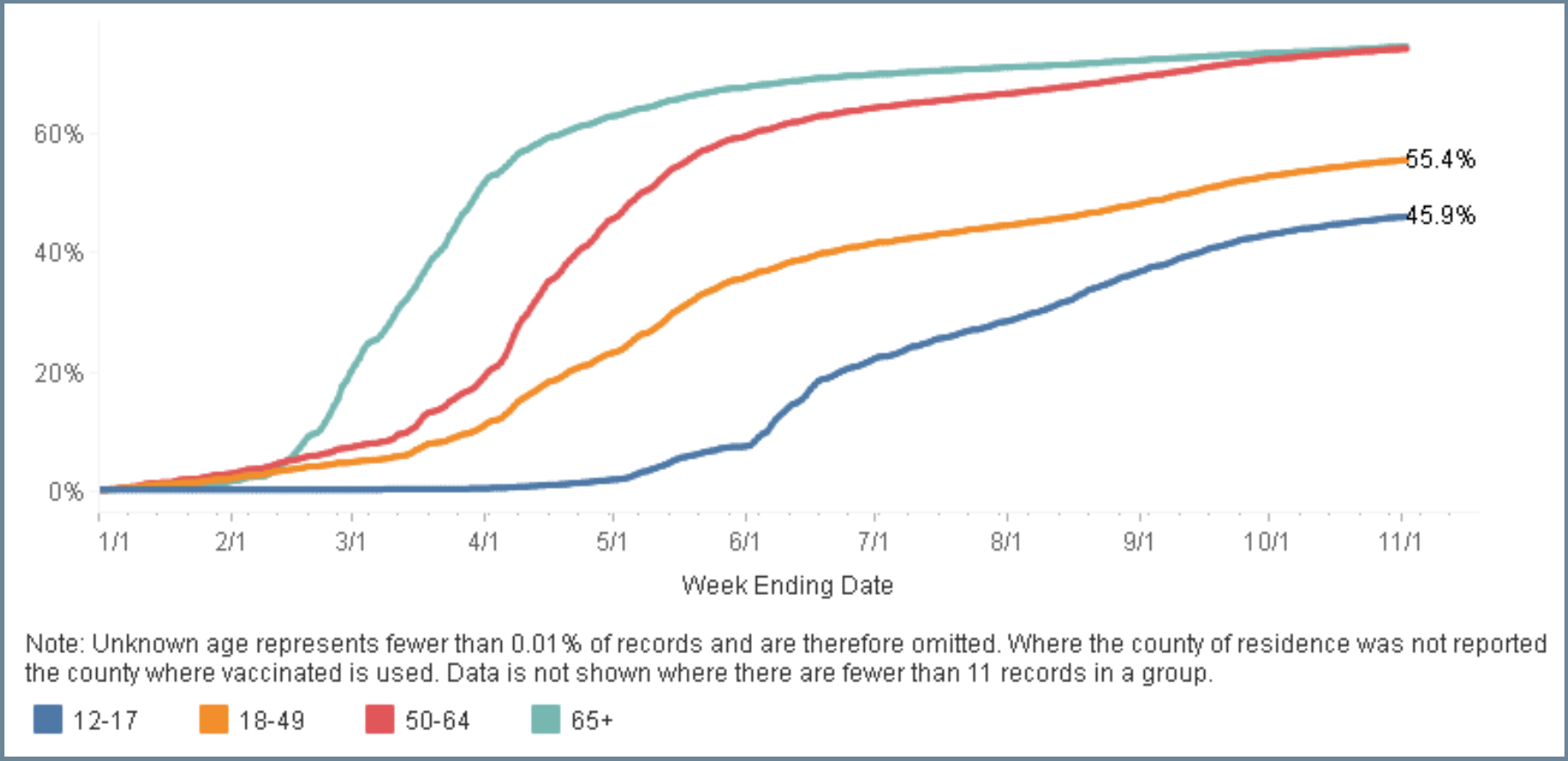
Note: Population estimates for each Jurisdiction have been updated to the 2019 American Community Survey (ACS) 5-Year Estimates. Population estimates are for individuals 5 years and older. The Total Population Estimate has been updated to the 2021 San Joaquin County Population Projection from the Department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

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



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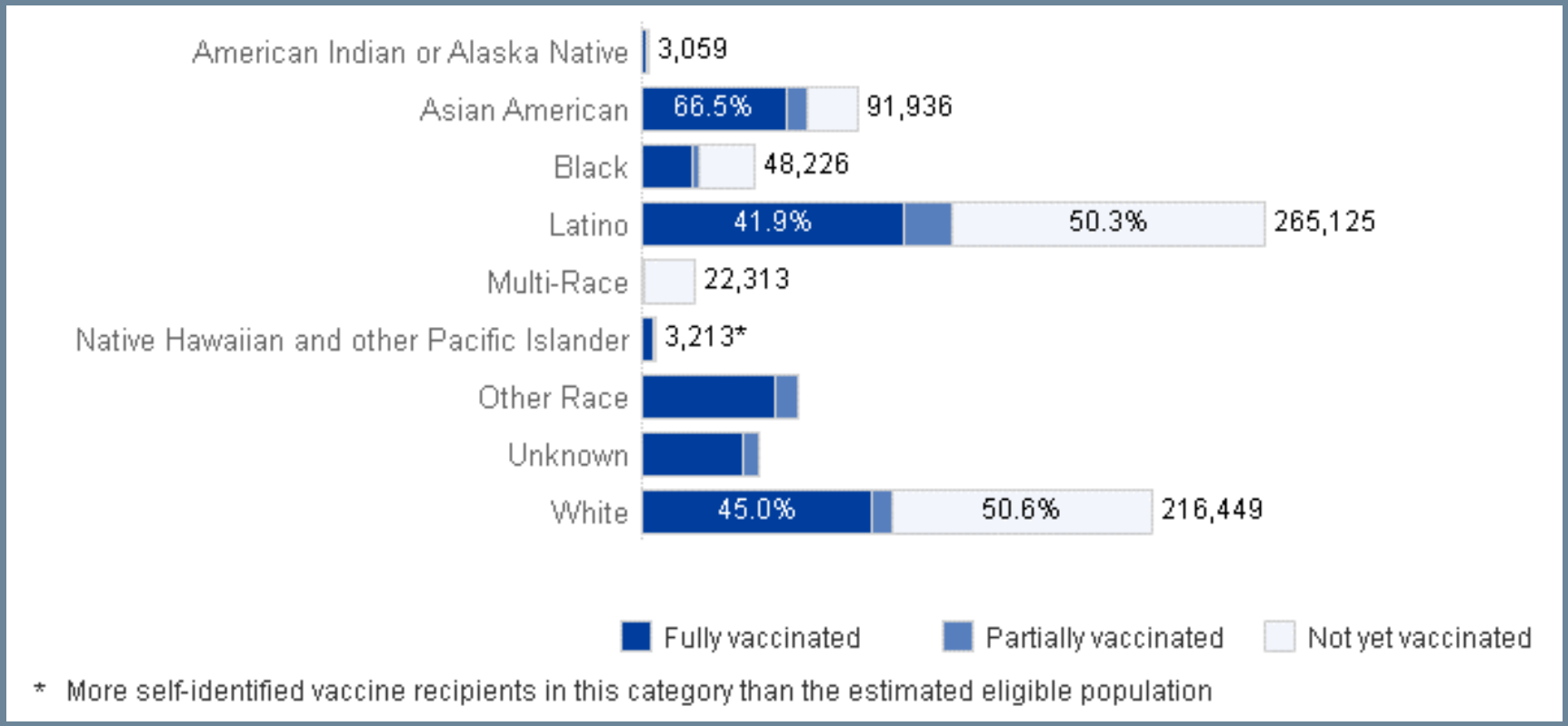
Vaccination Progress by Race/Ethnicity



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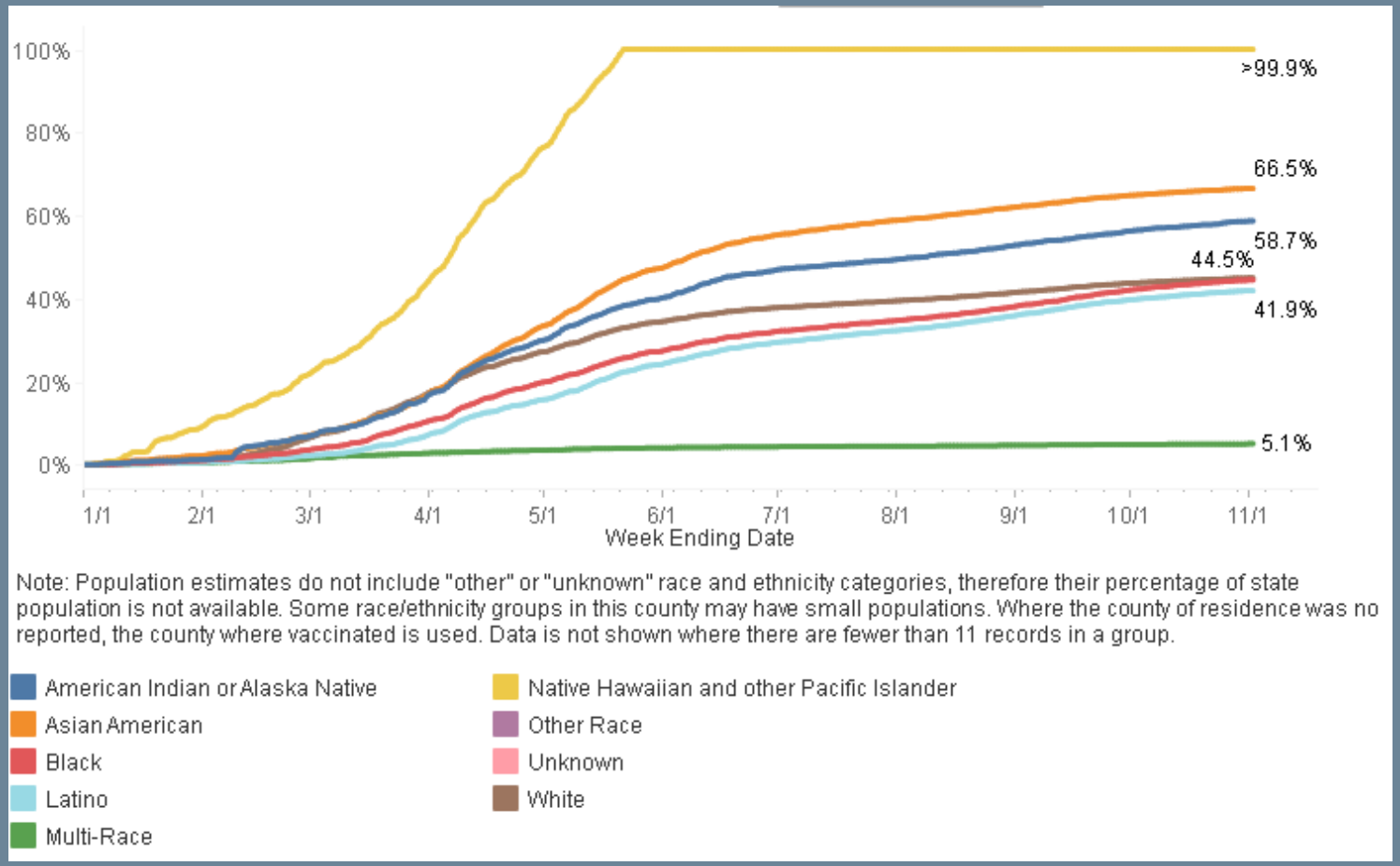
Fully Vaccinated Over Time by Race/Ethnicity



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