COVID-19 Data Report

Data through October 10, 2021

Updated October 11, 2021

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

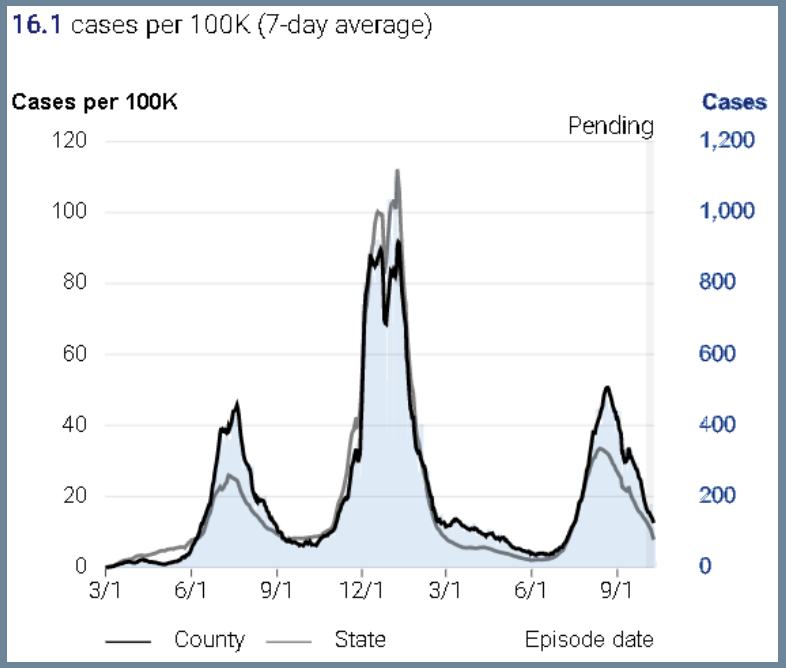
Report produced by: San Joaquin County, Public Health Services, Epidemiology

San Joaquin County
Public Health Services
health grows here

Total Number of Cases and Deaths

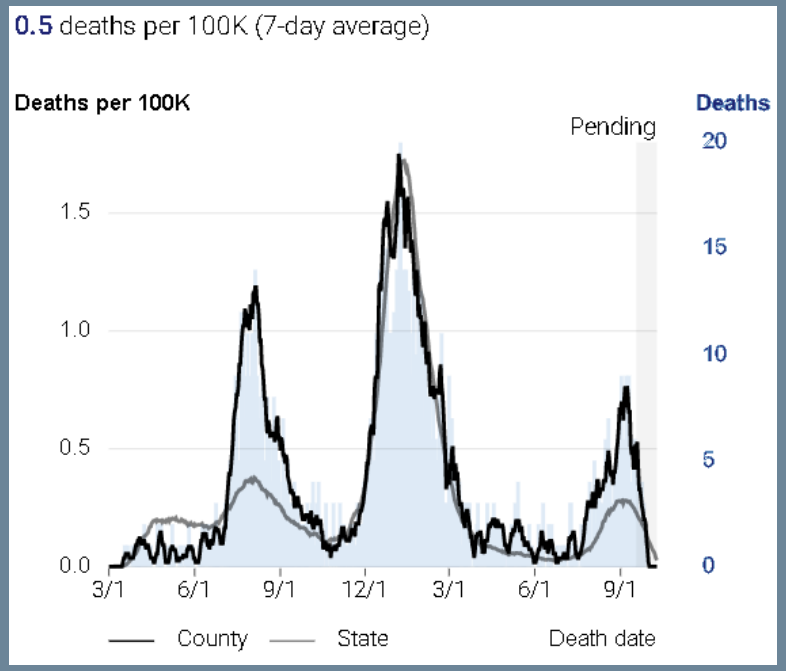
Total Cases

- **Total Number of Cases: 97,212**
- **Total New Cases Since Previous Report: 343**



Total Deaths

- **Total Number of COVID-19 Related Deaths: 1,687**
- **Total New Deaths Since Previous Report: 6**



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	16,985	64	275	2	1,008.2
Escalon	986	3	15	1	1,318.5
Lathrop	3,136	11	28	0	1,168.7
Lodi	8,352	27	192	0	1,229.5
Manteca	9,397	45	140	0	1,108.1
Ripon	1,877	10	29	1	1,178.3
Stockton	40,904	132	856	2	1,284.2
Tracy	10,153	39	102	0	1,058.4

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	848	4	36	0	1,171.8
95203	2,164	1	41	0	1,225.0
95204	3,824	18	96	0	1,207.3
95205	5,713	21	127	2	1,330.7
95206	9,878	30	167	2	1,347.6
95207	6,609	28	170	0	1,244.7
95209	5,655	29	109	0	1,263.4
95210	5,400	9	117	0	1,219.3
95211	8	0	0	0	34.6
95212	3,620	8	51	0	1,272.6
95215	3,143	9	58	0	1,185.9
95219	2,861	8	46	0	906.8
95220	709	1	13	0	881.6
95227	72	1	1	0	639.4
95230	42	1	0	0	800.0
95231	585	4	13	0	1,181.8
95234	0	0	0	0	0.0
95236	470	1	7	0	974.5
95237	383	1	6	0	1,078.9

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.

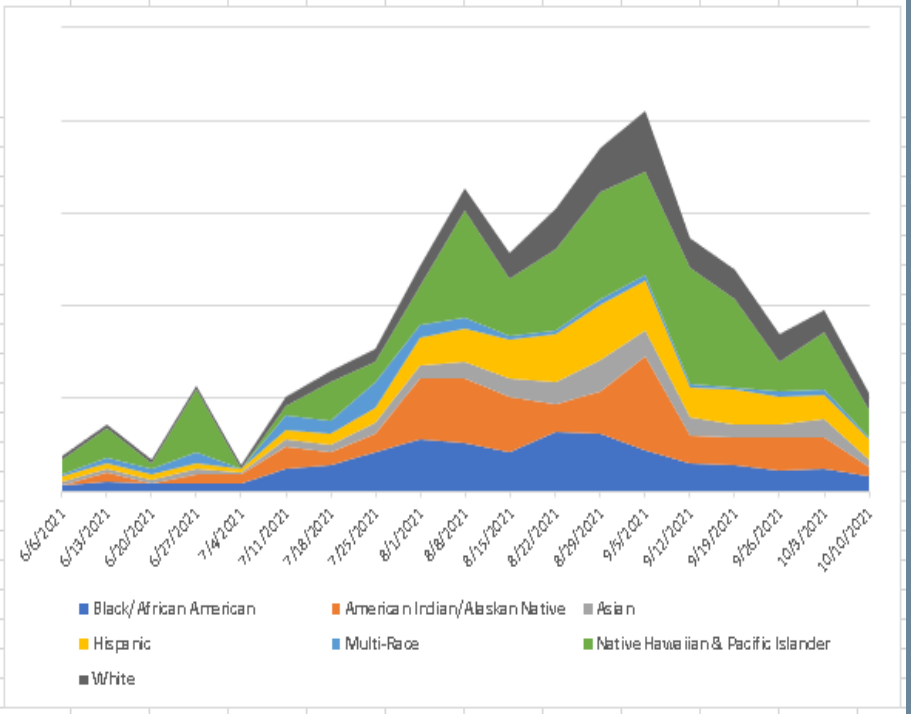
Cases and Deaths by ZIP Code (2 of 2)

Zip Code	Case Count	New Cases	Death Count	New Deaths	Case Rate per 10K (Total)
95240	6,613	17	175	0	1,241.0
95242	2,836	12	42	0	987.2
95253	0	0	0	0	0.0
95254	0	0	0	0	0.0
95258	486	2	9	0	1,160.2
95304	1,488	9	10	0	860.8
95320	1,543	5	21	1	1,081.5
95330	3,171	11	29	0	1,570.6
95336	5,225	36	95	0	1,086.5
95337	4,893	16	58	0	1,373.0
95361	31	2	2	0	509.9
95366	2,125	10	30	1	1,141.9
95367	2	0	0	0	606.1
95376	6,376	16	81	0	1,126.5
95377	3,491	16	20	0	998.6
95391	1,309	4	5	0	556.9
95632	103	0	0	0	695.9
95686	114	1	2	0	749.5

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	7.7	78.5	19.2
6/13/2021	51.2	50.6	21.9	29	27	157	28
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	18.8
7/4/2021	40.2	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	137.1	75.9	41.4	54.9	69.3	209.4	60.3
7/25/2021	213.8	101.1	57.6	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	183.2	61.6	575.8	115.4
8/15/2021	208.3	303.4	99.8	202.5	19.3	314.1	141
8/22/2021	316.1	151.7	116.9	264	15.4	444.9	211.6
8/29/2021	314.3	227.6	168.8	295.5	27	575.8	241.2
9/5/2021	224.8	505.7	138	266.5	34.7	549.6	326.2
9/12/2021	153.5	151.7	90.1	163.2	23.1	628.1	151.7
9/19/2021	137.1	151.7	71.4	187.6	15.4	471.1	165.3
9/26/2021	115.1	177	64.9	151	30.8	157	150.5
10/3/2021	118.8	177	93.3	125.8	30.8	314.1	116.6
10/10/2021	82.2	50.6	41.4	104.9	7.7	157	89

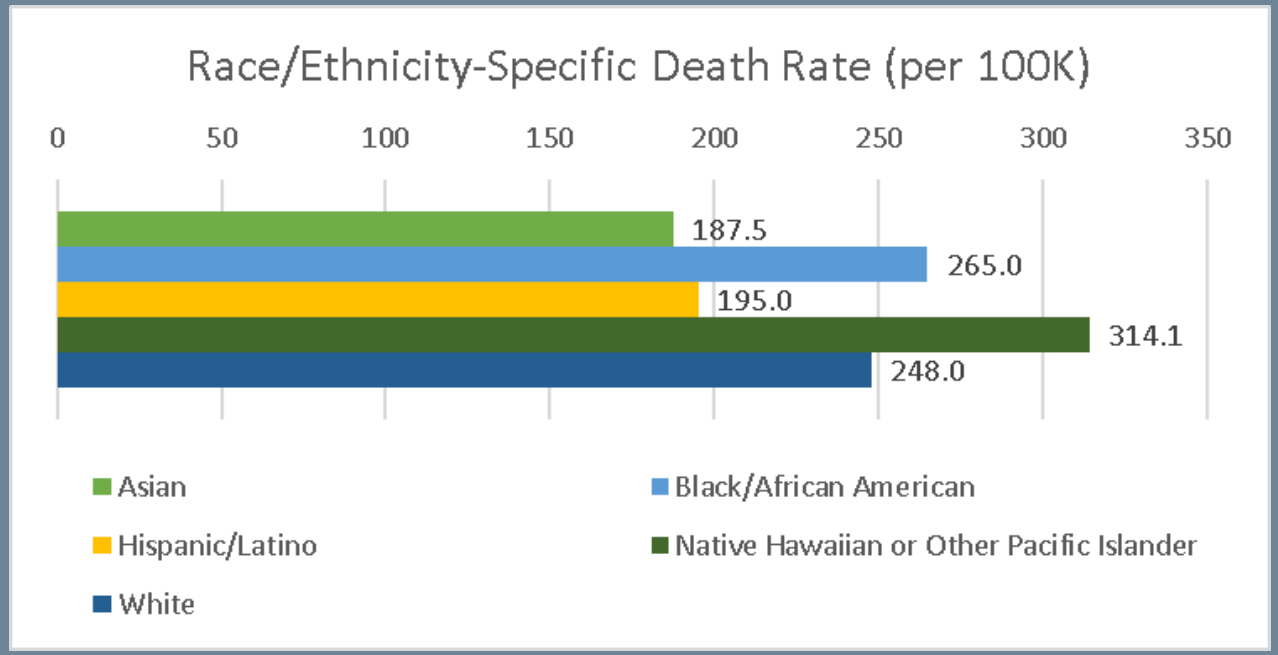


Notes: 7-day case rate (episode date with no lag). This stacked area shows the magnitude of change over time and to draw attention to total cases over time. American Indian/Alaskan Native and Native Hawaiian/Other Pacific Islander are now included in the graph , which has affected the color legend. Additionally,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

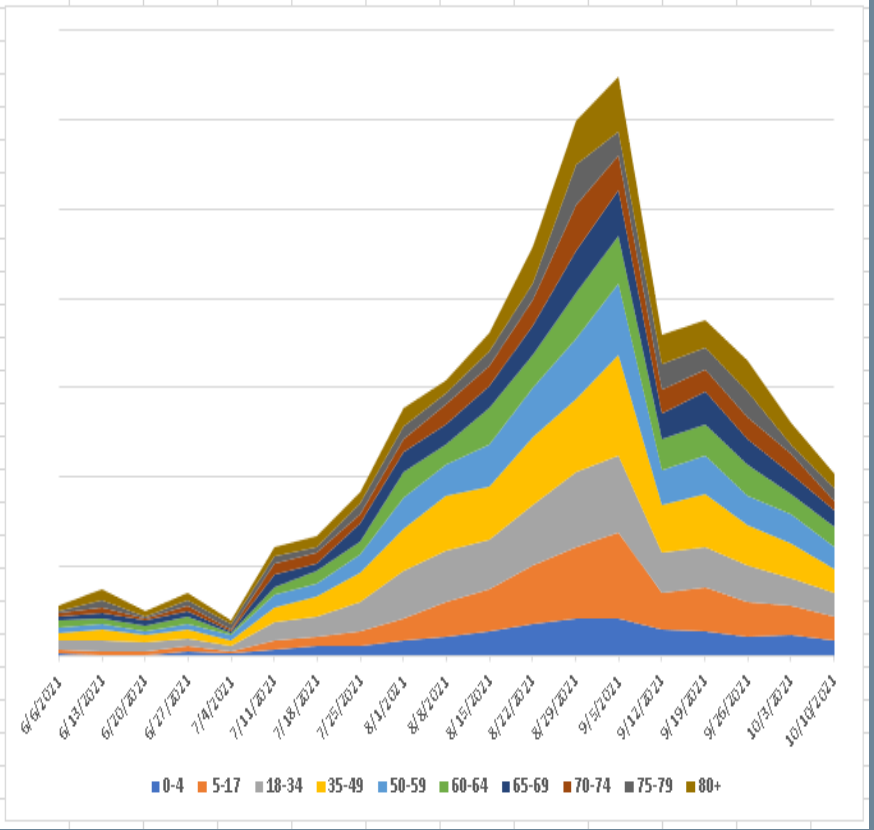
Race/Ethnicity	% Pop	Total Deaths	% Deaths
Asian	15.7	231	13.7
Black/African American	7.0	145	8.6
Hispanic/Latino	40.9	625	37.0
Native Hawaiian or Other Pacific Islander	0.5	12	0.7
White	32.0	621	36.8



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	33.3	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	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	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	72.5	38	62.2	31.1	61.1
7/25/2021	52	91.4	163.4	156.5	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	199.1	290.6	303.3	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	340.6	376	278	180	166.4	142.7	93.2	207.6
8/29/2021	214.1	398.2	412.9	409.2	345.6	254.8	236.5	248.9	222.6	252.4
9/5/2021	207.9	478	435.2	565.7	396.1	268.9	251.1	194	139.8	301.3
9/12/2021	151.8	199.1	222.8	268.7	195.3	175.4	140.2	131.8	144.9	162.9
9/19/2021	139.3	246.2	227.2	293.6	215.7	173	186.9	117.1	129.4	150.6
9/26/2021	104	199.8	200.5	225.7	165.3	170.7	148.9	124.4	134.6	183.2
10/3/2021	114.3	166.4	159.4	193.2	155.6	112.2	116.8	109.8	51.8	130.3
10/10/2021	85.2	138.4	131.2	133.6	121.3	109.9	96.4	51.2	72.5	81.4

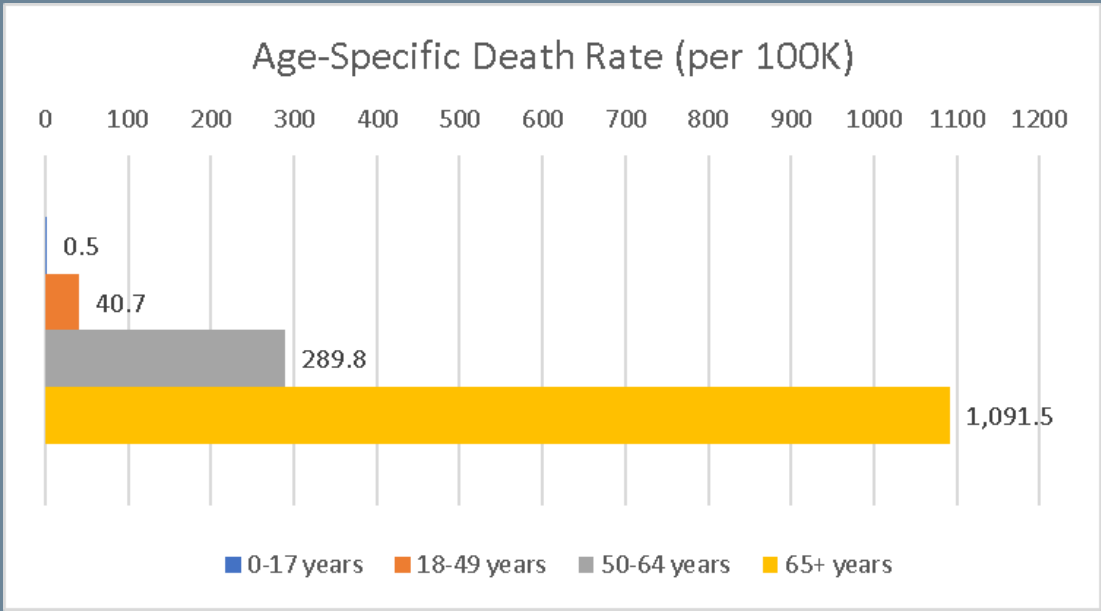


Note: 7-day case rate (episode date with no lag). This stacked area shows the magnitude of change over time and to draw attention to total cases over time.

- **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.**

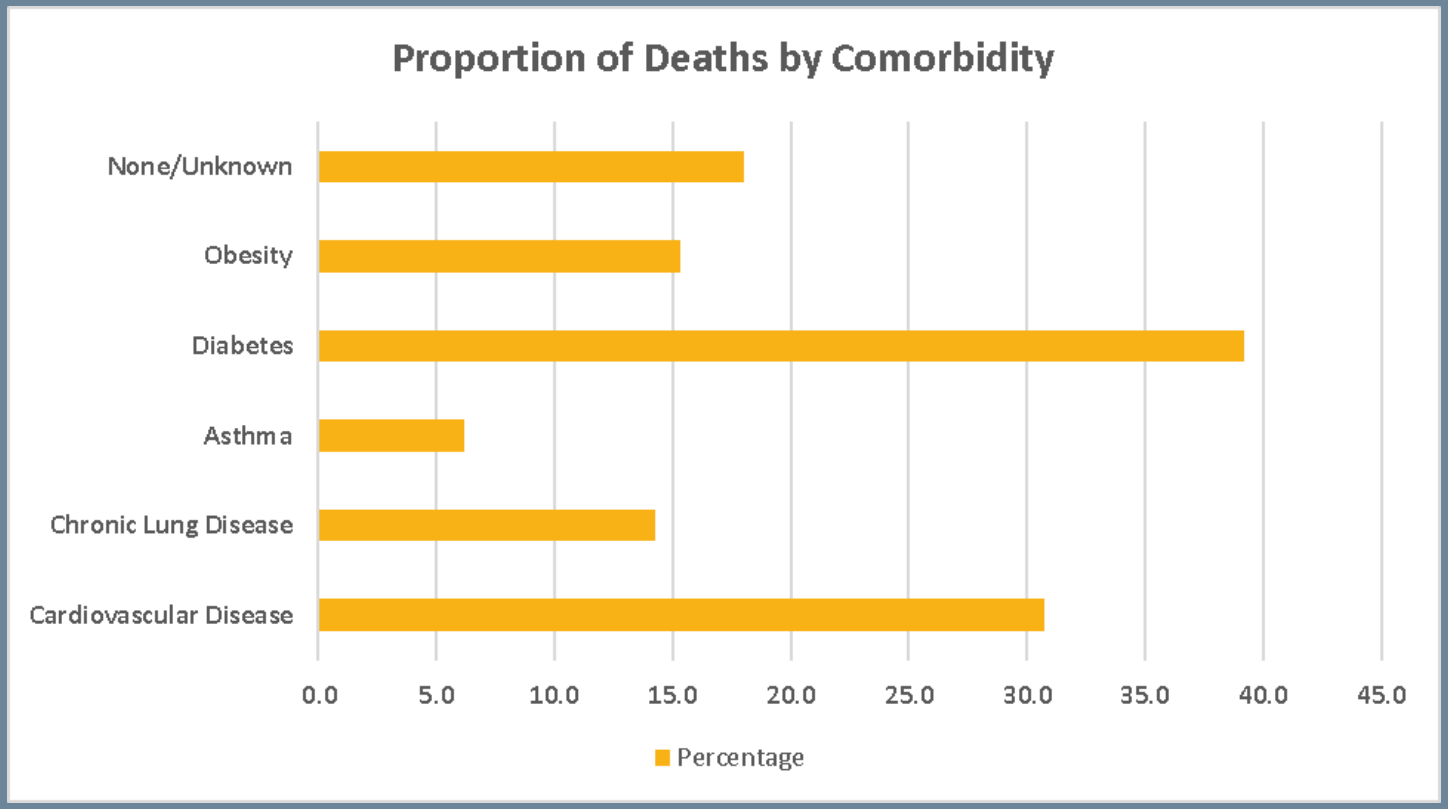
Deaths by Age Group

Age Group	% Pop	Total Deaths	% Deaths
0-17 years	24.9	1	0.1
18-49 years	44.3	141	8.4
50-64 years	17.4	394	23.4
65+ years	13.5	1151	68.2



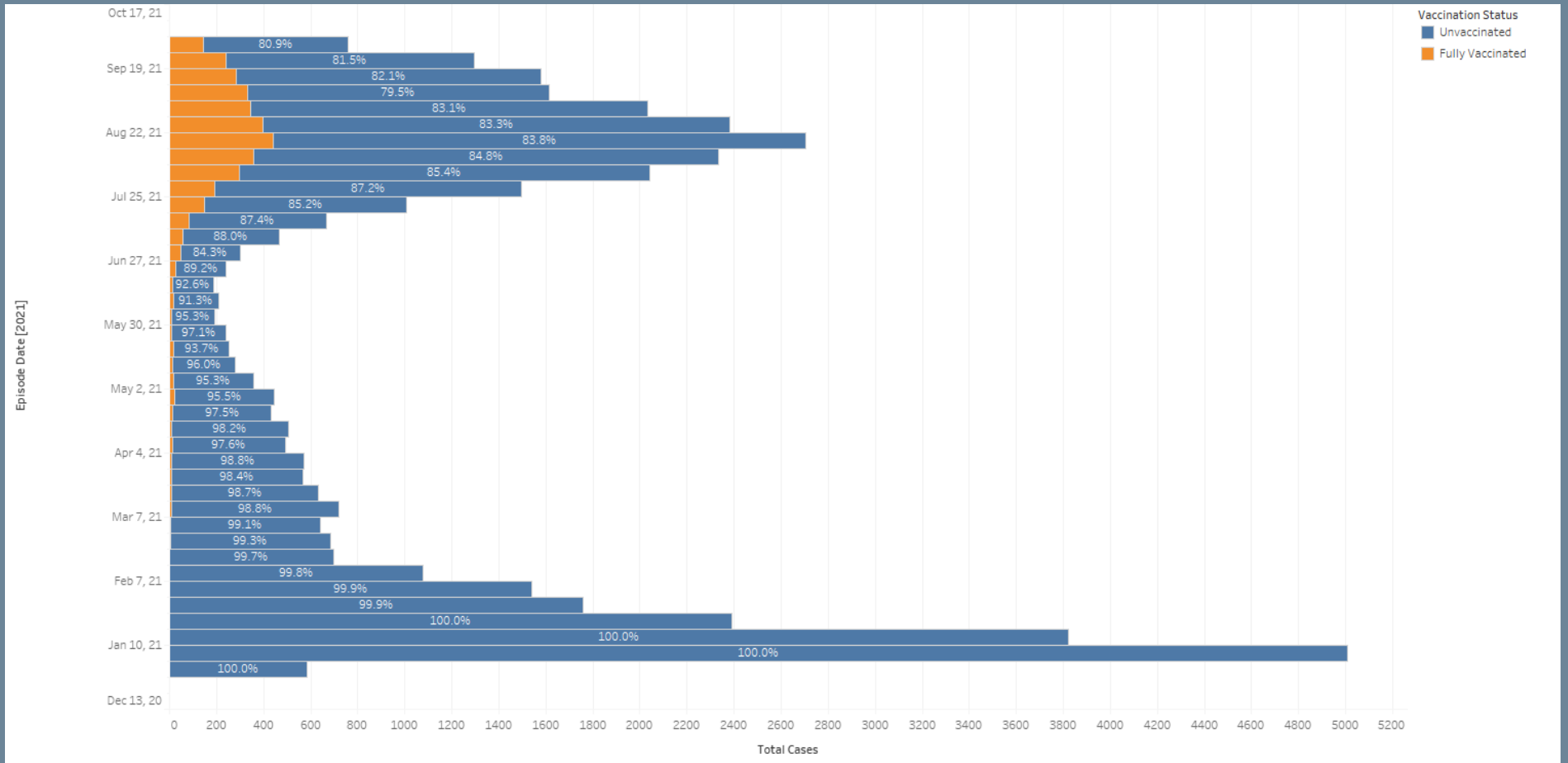
Note: The total number of deaths noted here is since the beginning of the pandemic on March 1, 2020.

Deaths by Comorbidities



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

Post-Vaccine Breakthrough Cases by Week

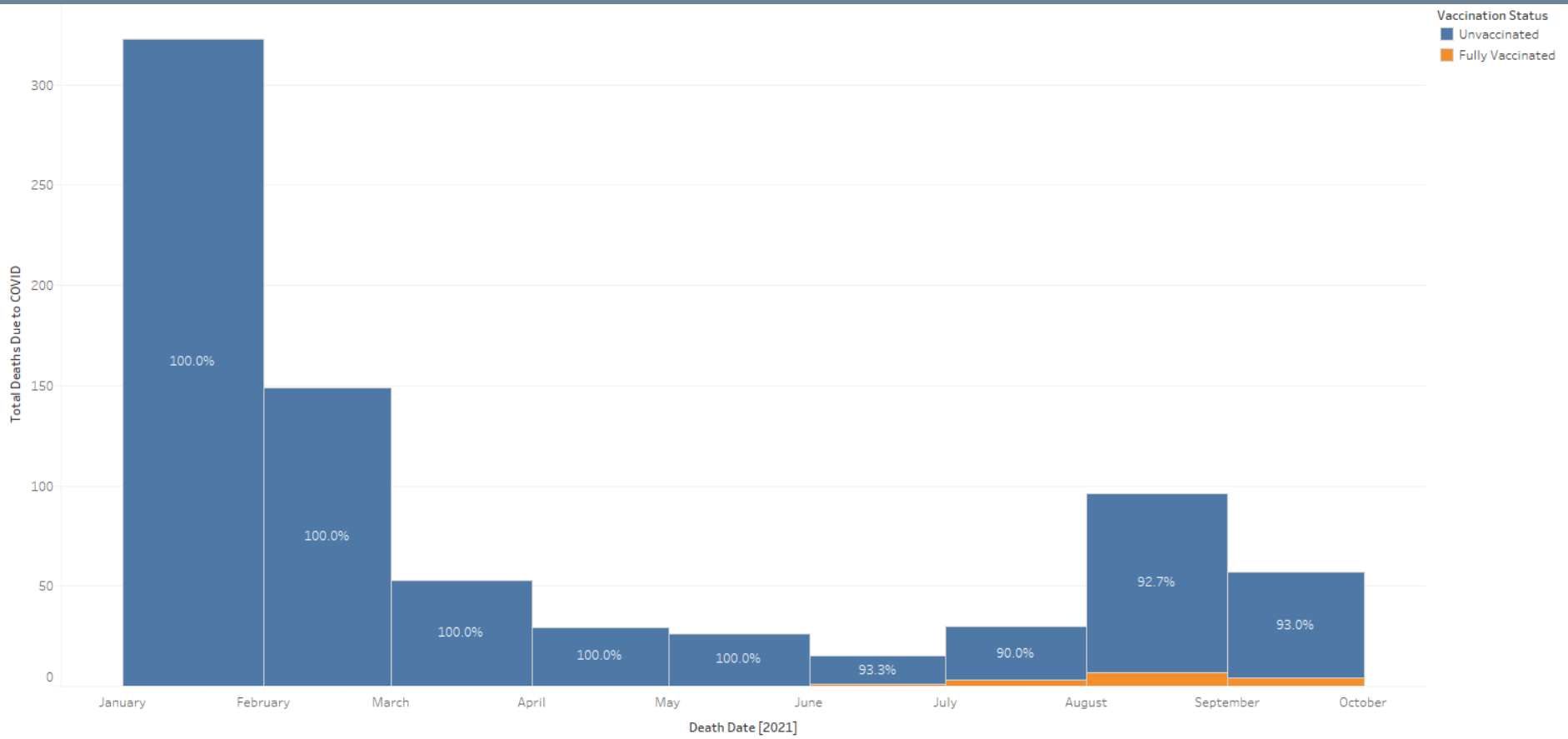


The plot of Total Cases for Episode Date Week. Color shows details about Vaccination Status. The marks are labeled by % of Total Cases, excluding Partially Vaccinated Cases. The data is filtered on Episode Date Year, which keeps 2021.

Updated information has been received from CDPH concerning the data source
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 2, 2021. Updated every Friday.

- **Around 80% of the cases in September were unvaccinated (excluding partially vaccinated cases).**
- **0.94% 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.

Updated information has been received from CDPH concerning the data source
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 2, 2021. Updated every Friday.

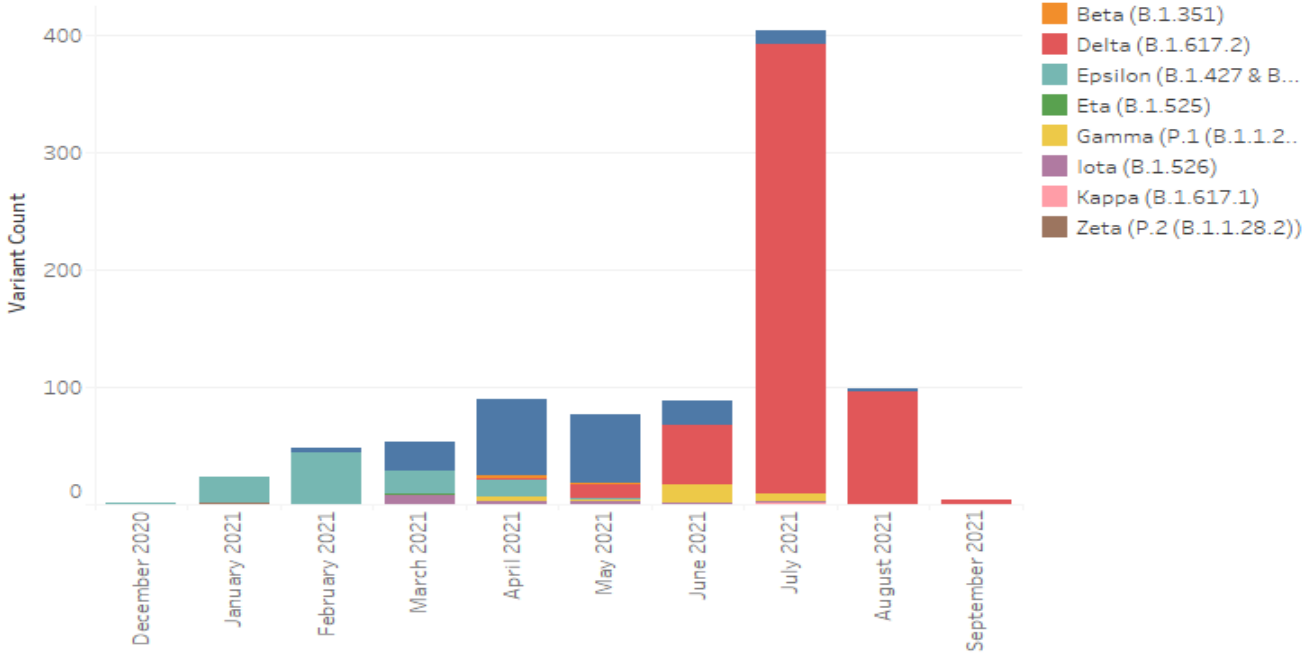
- **Over 90% of the COVID-19 related deaths in September were unvaccinated San Joaquin County residents (excluding partially vaccinated cases).**

Variants of Interest/Concern

Total Variants

Alpha (B.1.1.7)	185
Beta (B.1.351)	3
Delta (B.1.617.2)	547
Epsilon (B.1.427 & B.1.429)	102
Eta (B.1.525)	1
Gamma (P.1 (B.1.1.28.1))	27
Iota (B.1.526)	16
Kappa (B.1.617.1)	1
Zeta (P.2 (B.1.1.28.2))	1
Grand Total	883

Specimens by Sequence Date

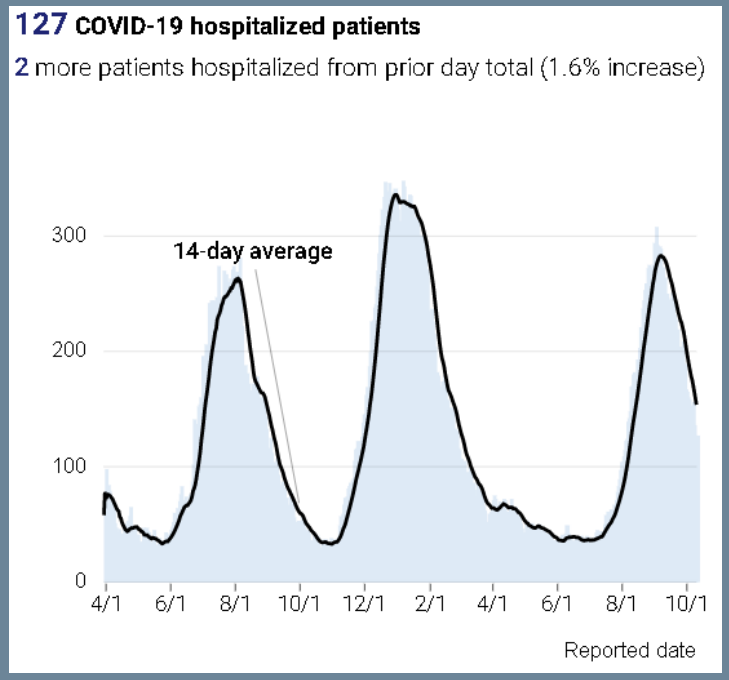


Variant Count By Type and Month

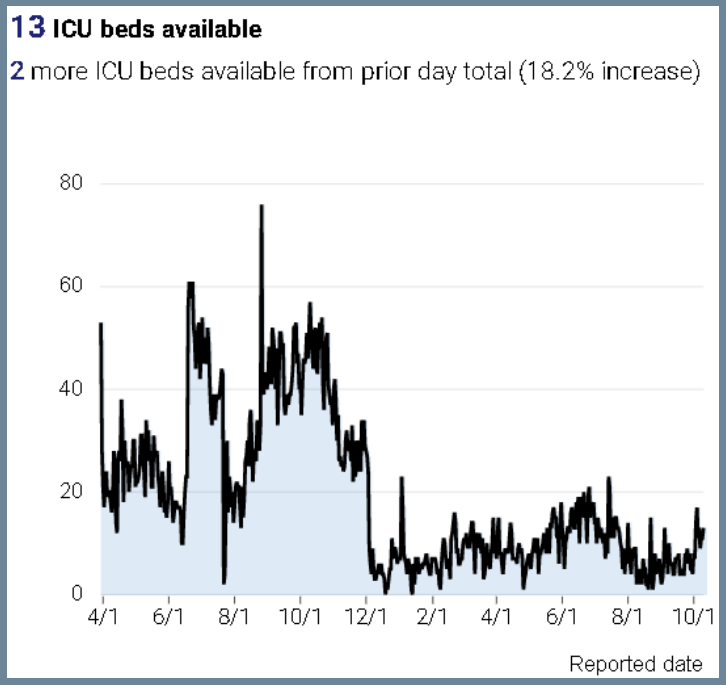
	December 2020	January 2021	February 2021	March 2021	April 2021	May 2021	June 2021	July 2021	August 2021	September 2021
Alpha (B.1.1.7)			4	25	65	58	20	11	2	
Beta (B.1.351)					2	1				
Delta (B.1.617.2)					1	12	51	383	96	4
Epsilon (B.1.427 & B.1..	1	22	44	19	15	1				
Eta (B.1.525)				1						
Gamma (P.1 (B.1.1.28...					3	2	16	6		
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	88	403	98	4

Total Hospitalizations and ICU Beds

Total Hospitalizations



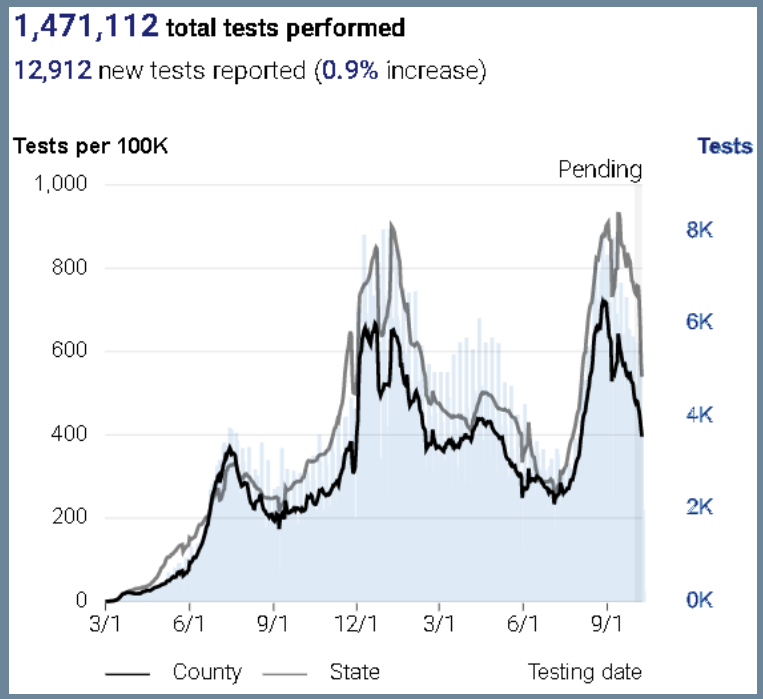
ICU Beds Available



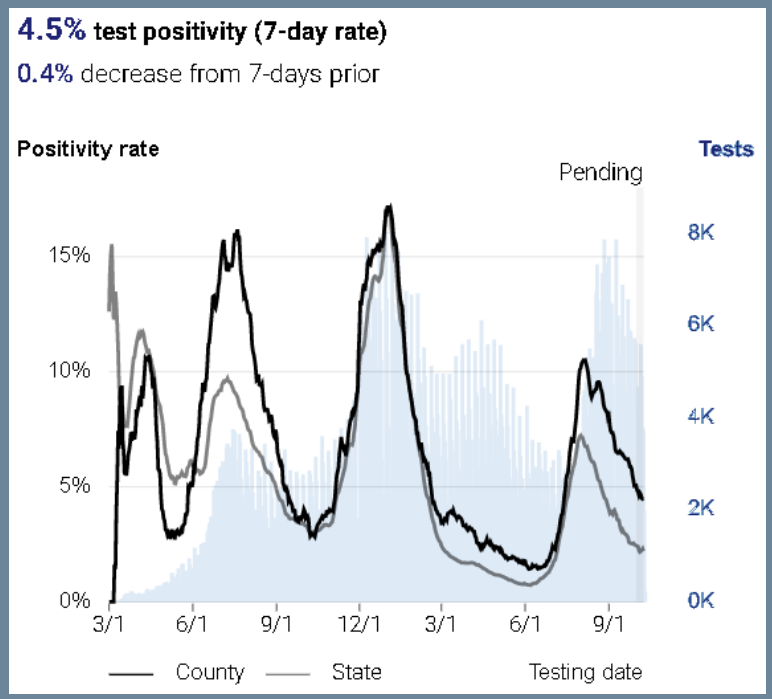
Note: Includes the number of licensed ICU beds and hospitalized patients in San Joaquin County, regardless of residency. Licensed ICU bed totals count the number of beds that can be staffed to provide intensive healthcare. Directional change is compared to the prior day. Data is provided by the California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

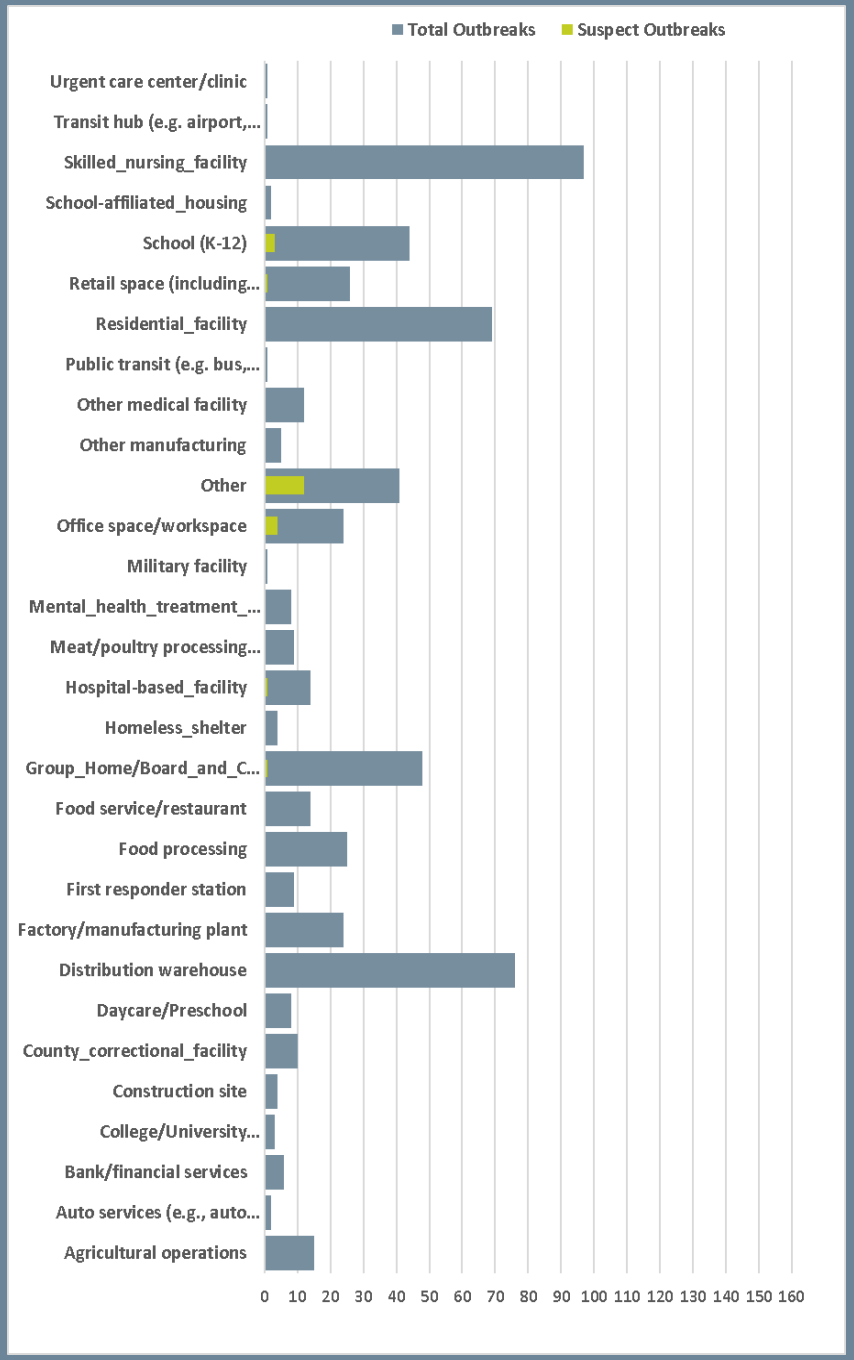


Note: Testing date is the date the test was administered. Test positivity is based on a 7-day average with no lag. Directional change is compared to the prior 7-day period. Data is provided by the California Department of Public Health. The total number is since the beginning of the pandemic on March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

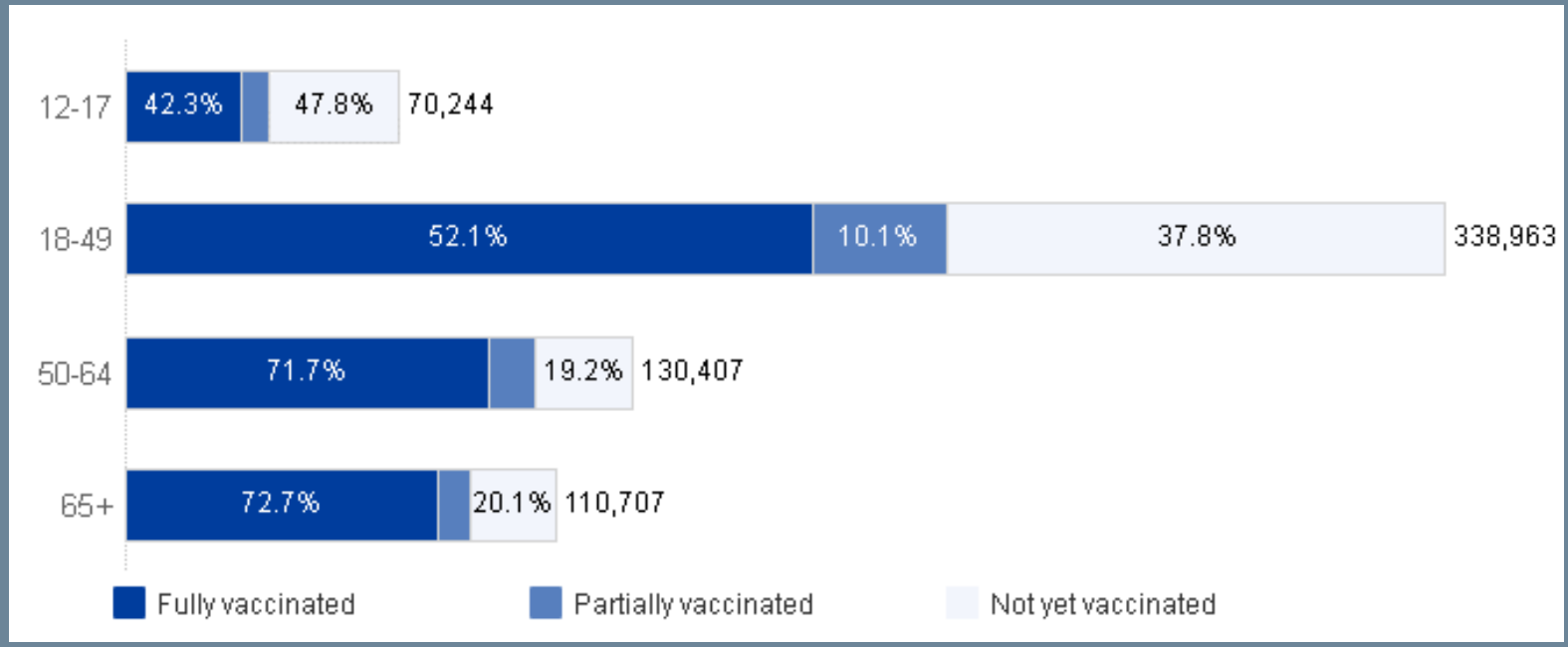


Vaccinations by Jurisdiction

Jurisdiction	Population	Total Vaccinations	Fully Vaccinated	% Fully Vaccinated	Partially Vaccinated	% Partially Vaccinated
Unincorporated	166,467	26,692	23,585	14.2	3,107	1.9
Escalon	6,104	6,281	5,552	91.0	729	11.9
Lathrop	18,226	17,390	15,626	85.7	1,764	9.7
Lodi	53,933	42,236	37,188	69.0	5,048	9.4
Manteca	65,240	53,645	47,832	73.3	5,813	8.9
Ripon	13,094	9,609	8,636	66.0	973	7.4
Stockton	252,326	209,269	179,899	71.3	29,370	11.6
Tracy	74,931	70,345	62,472	83.4	7,873	10.5
Unknown	*n/a*	1,455	999	*n/a*	456	*n/a*
Total	650,321	436,922	381,789	58.7	55,133	8.5

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

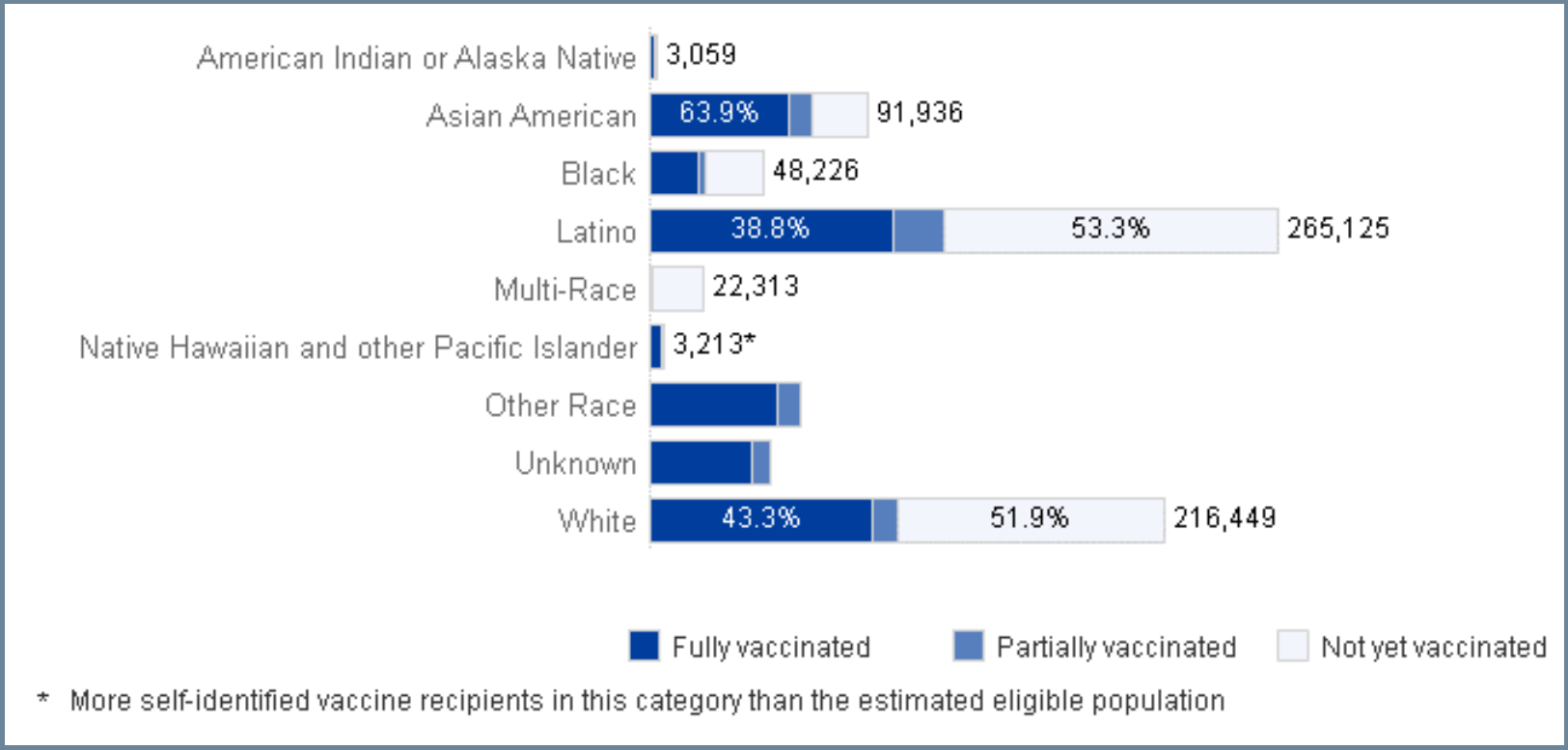


Note: Vaccination breakdowns are updated every Wednesday. Source: https://covid19.ca.gov/vaccination-progress-data/#equitably-across-groups

Fully Vaccinated Over Time by Age Group

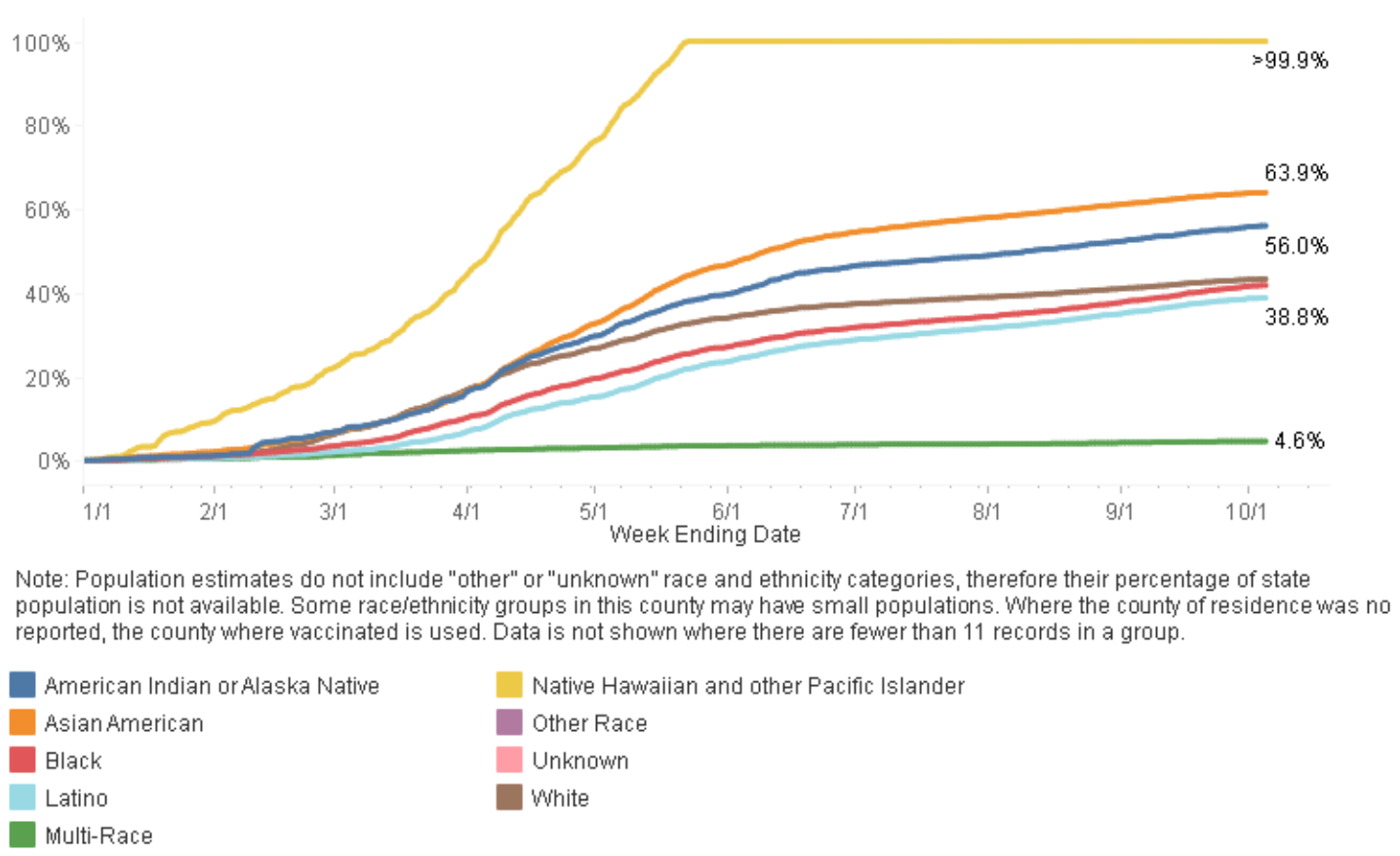
Note: Vaccination breakdowns are updated every Wednesday. Source:
https://covid19.ca.gov/vaccination-progress-data/#equitably-across-groups

Vaccination Progress by Race/Ethnicity



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