COVID-19 Data Report

Data through April 28, 2022

Updated April 29, 2022

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

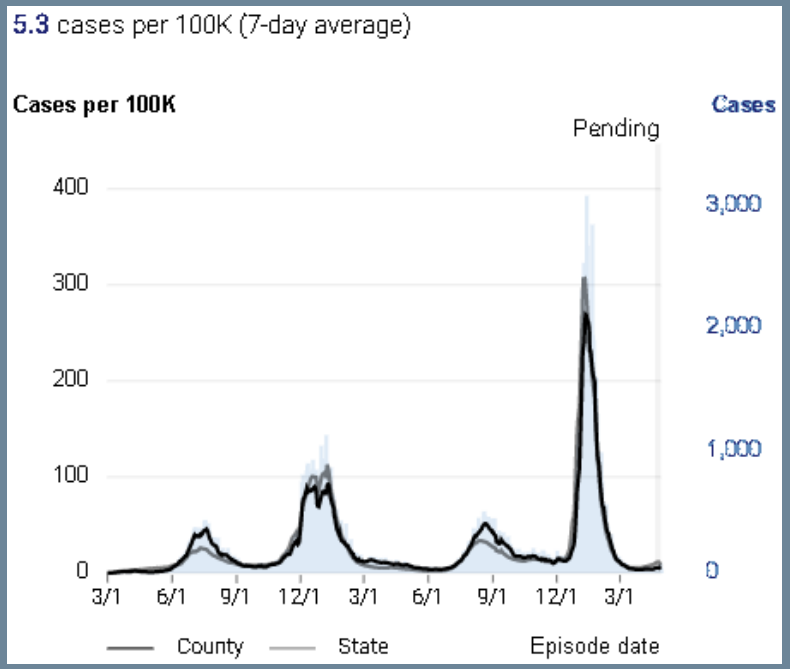
Report produced by: San Joaquin County, Public Health Services, Epidemiology

San Joaquin County
Public Health Services
health grows here

Total Number of Cases and Deaths

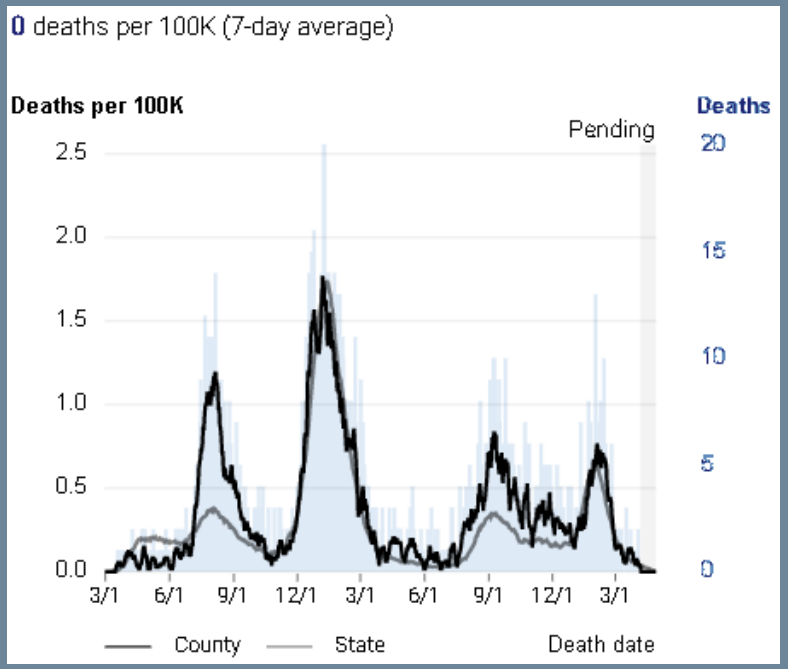
Total Cases

- **Total Number of Cases: 168,422**
- **Total New Cases Since Previous Report: 158**



Total Deaths

- **Total Number of COVID-19 Related Deaths: 2,219**
- **Total New Deaths Since Previous Report: 0**



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. Updated Wednesdays and Fridays. 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	29,412	54	400	1	1,745.9
Escalon	1,644	7	20	0	2,198.4
Lathrop	5,566	4	39	0	2,074.3
Lodi	14,263	21	250	0	2,099.7
Manteca	15,270	28	218	1	1,800.7
Ripon	2,931	4	37	0	1,839.9
Stockton	70,375	94	1,110	3	2,209.4
Tracy	18,906	38	136	0	1,970.8

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 (1 of 2)

Zip Code	Case Count	New Cases	Death Count	New Deaths	Case Rate per 10K (Total)
95202	1,459	0	47	0	2,016.0
95203	3,490	2	52	0	1,975.5
95204	6,601	5	120	1	2,084.1
95205	9,309	9	168	0	2,168.3
95206	16,634	35	224	2	2,269.2
95207	11,527	6	211	-1	2,170.9
95209	10,064	20	143	0	2,248.5
95210	9,202	11	154	1	2,077.8
95211	18	0	0	0	77.9
95212	6,492	11	73	0	2,282.2
95215	5,211	15	95	1	1,966.3
95219	5,336	10	60	0	1,691.2
95220	1,211	0	18	0	1,505.8
95227	120	0	1	0	1,065.7
95230	72	1	1	0	1,371.4
95231	883	0	17	0	1,783.8
95234	0	0	0	0	0.0
95236	745	1	11	0	1,544.7
95237	661	1	7	0	1,862.0

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

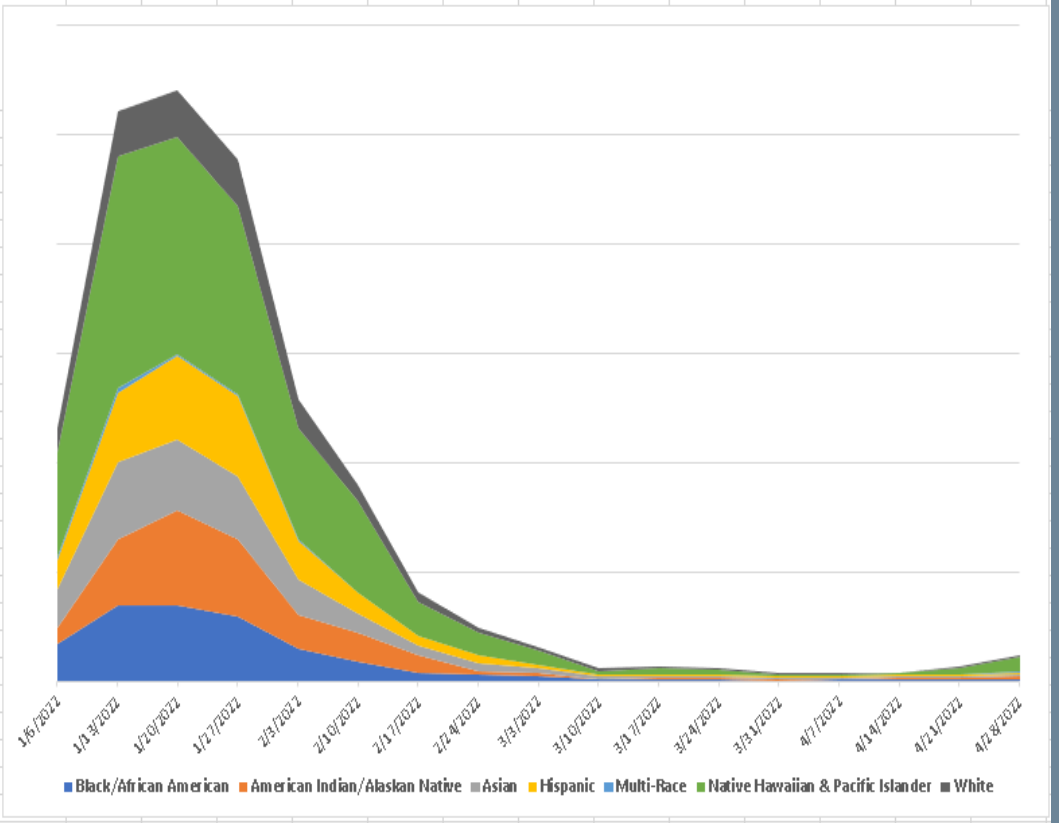
Cases and Deaths by ZIP Code (2 of 2)

Zip Code	Case Count	New Cases	Death Count	New Deaths	Case Rate per 10K (Total)
95240	10,964	15	222	0	2,057.5
95242	5,037	9	58	0	1,753.4
95253	0	0	0	0	0.0
95254	0	0	0	0	0.0
95258	843	0	12	0	2,012.4
95304	2,631	4	17	0	1,522.0
95320	2,620	7	32	0	1,836.4
95330	5,619	4	40	0	2,783.1
95336	8,370	15	140	0	1,740.5
95337	8,126	14	97	1	2,280.2
95361	80	0	3	0	1,315.8
95366	3,270	4	38	0	1,757.1
95367	11	0	0	0	3,333.3
95376	11,128	14	103	0	1,966.0
95377	7,138	21	31	0	2,041.8
95391	3,124	16	10	0	1,329.1
95632	175	0	1	0	1,182.4
95686	196	0	4	0	1,288.6

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.

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
1/6/2022	687.1	303.4	682.5	546.8	57.8	1910.5	442.4
1/13/2022	1398	1188.4	1436.4	1249.9	96.3	4239.7	824.6
1/20/2022	1383.4	1744.6	1304.1	1506.1	50.1	3978	849.4
1/27/2022	1180.5	1415.9	1161.3	1462.1	34.7	3428.4	843
2/3/2022	604.9	606.8	650	706.5	30.8	2041.4	515.1
2/10/2022	347.2	531	377.4	372	7.7	1675	279.5
2/17/2022	142.5	328.7	191.5	161.3	7.7	628.1	172.1
2/24/2022	120.6	75.9	133.1	135.1	19.3	392.6	114.2
3/3/2022	82.2	75.9	73	74	3.9	261.7	66.7
3/10/2022	38.4	0	46.3	40.6	7.7	52.3	50.3
3/17/2022	38.4	25.3	34.1	27.8	3.9	104.7	24
3/24/2022	29.2	50.6	25.2	30.9	3.9	78.5	28.4
3/31/2022	20.1	25.3	24.3	25.6	3.9	26.2	16.4
4/7/2022	25.6	25.3	23.5	20.6	3.9	26.2	23.6
4/14/2022	23.8	50.6	25.2	17.8	3.9	26.2	21.6
4/21/2022	36.5	25.3	29.2	21.5	3.9	130.9	28.4
4/28/2022	40.2	50.6	39	36.8	7.7	261.7	37.5



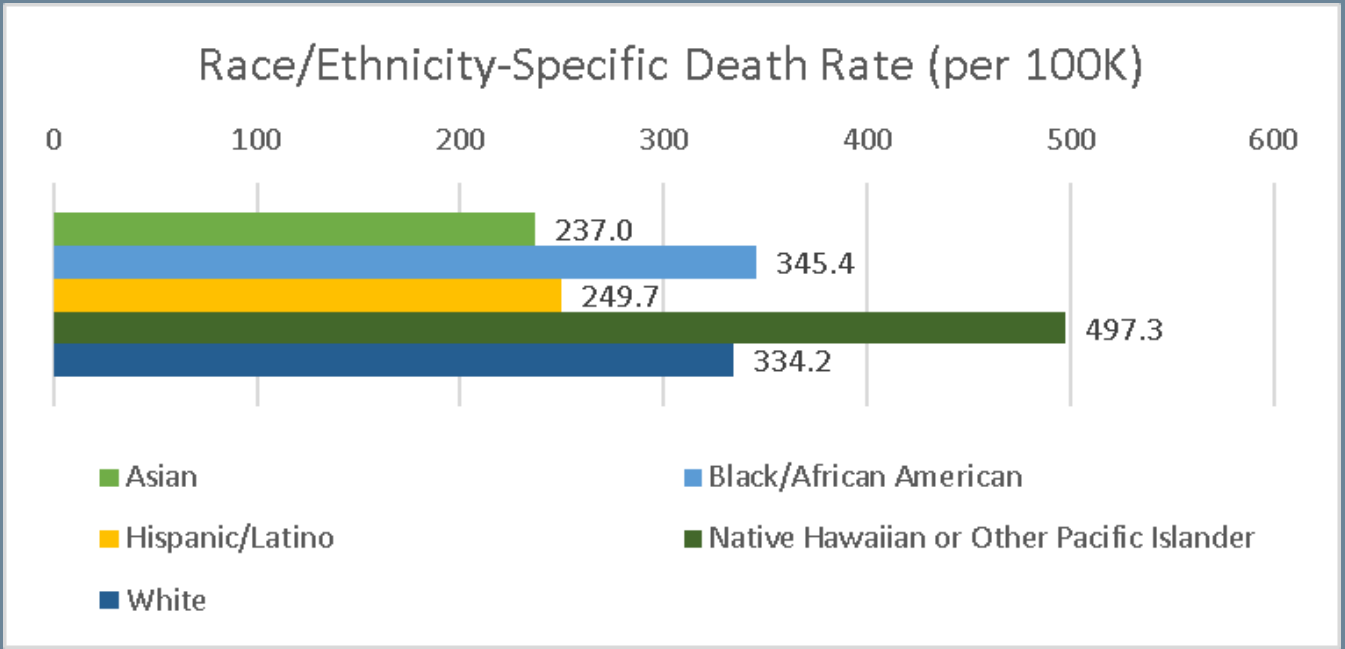
Notes: 7-day case rate (episode date with no lag). This stacked area shows the magnitude of change over time and to draw attention to total cases over time. American Indian/Alaskan Native and Native Hawaiian/Other Pacific Islander are now included in the graph , which has affected the color legend. Additionally, these race/ethnicity populations have unstable rates so use caution when interpreting their results.

- **Beginning in January 2022, there was a significant increase in case rate amongst all Race/Ethnicity populations.**
- **Since the end of January 2022, there has been a decrease in case rate amongst all Race/Ethnicity populations.**

- **This chart has been updated to include data starting in 2022.**

Deaths by Race/Ethnicity

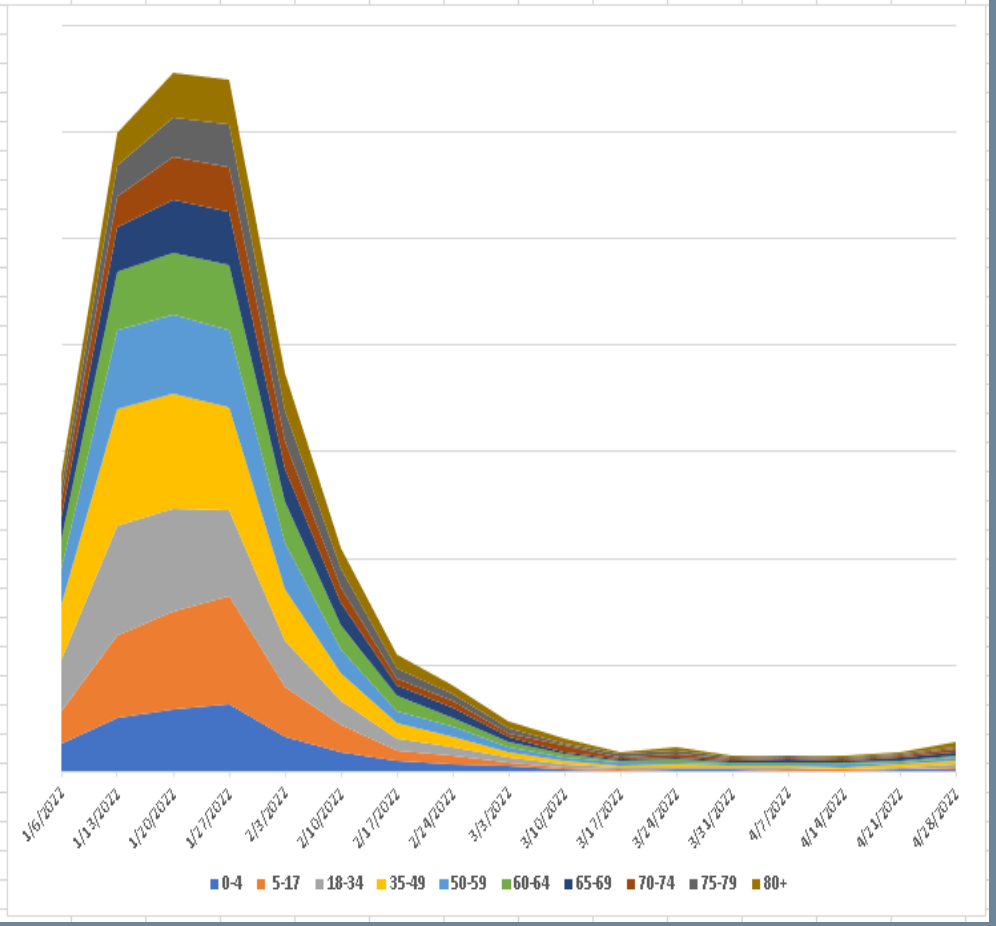
Race/Ethnicity	% Pop	Total Deaths	% Deaths
Asian	15.7	292	13.2
Black/African American	7.0	189	8.5
Hispanic/Latino	40.9	800	36.1
Native Hawaiian or Other Pacific Islander	0.5	19	0.9
White	32.0	837	37.7



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+
1/6/2022	513.5	619.8	983.2	1013.1	689.1	523.7	429.2	311.1	243.3	260.6
1/13/2022	1002.1	1563.5	2053.6	2196.5	1474.8	1094.2	846.7	581.9	569.4	594.4
1/20/2022	1180.9	1811.7	1954.1	2139	1499.4	1159.7	1004.4	805.2	724.7	846.8
1/27/2022	1257.8	2035.4	1604.1	1935.4	1455.4	1208.8	1010.2	845.5	802.3	822.4
2/3/2022	654.9	943	859	981.9	859.7	773.9	619	512.4	584.9	679.9
2/10/2022	378.4	503.2	440.1	527	450.8	455.9	400	311.1	331.3	403.1
2/17/2022	199.6	193	229.7	284.6	232.9	271.2	195.6	150.1	181.2	248.4
2/24/2022	151.8	137.1	175.8	202.2	179.2	170.7	181	128.1	139.8	166.9
3/3/2022	95.6	79.8	91.6	108.7	93.4	84.2	96.4	76.9	82.8	126.2
3/10/2022	35.3	42.3	54.5	61.6	60.1	67.8	52.6	109.8	51.8	69.2
3/17/2022	14.6	24.5	38.1	36.7	42.9	32.7	35	40.3	56.9	28.5
3/24/2022	27	17	39.1	48.5	45.1	49.1	38	69.5	51.8	61.1
3/31/2022	35.3	16.4	30.7	36	27.9	35.1	17.5	32.9	20.7	44.8
4/7/2022	20.8	23.2	26.2	38.8	39.7	32.7	38	51.2	25.9	16.3
4/14/2022	14.6	13.6	25.7	34.6	39.7	46.8	29.2	43.9	25.9	16.3
4/21/2022	27	18.4	36.1	45.7	52.6	32.7	46.7	36.6	36.2	24.4
4/28/2022	31.2	26.6	71.3	65.8	56.9	56.1	58.4	51.2	51.8	101.8



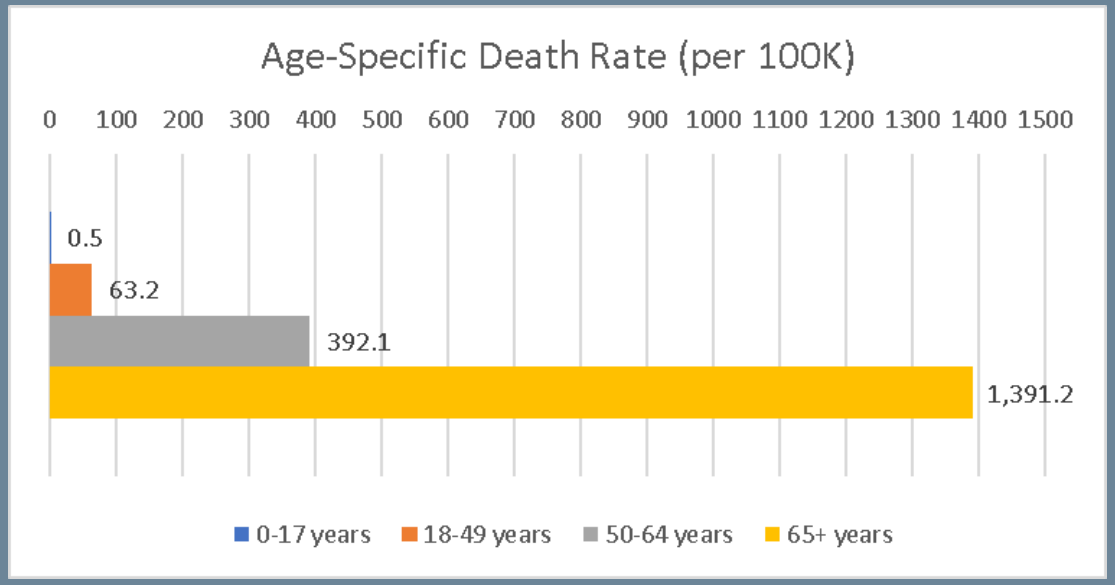
Note: 7-day case rate (episode date with no lag). This stacked area shows the magnitude of change over time and to draw attention to total cases over time.

- **Beginning in January 2022, there was an increase in case rate amongst all age groups.**
- **Since the end of January 2022, there has been a decrease in case rate amongst all age groups.**

- **This chart has been updated to include data starting in 2022.**

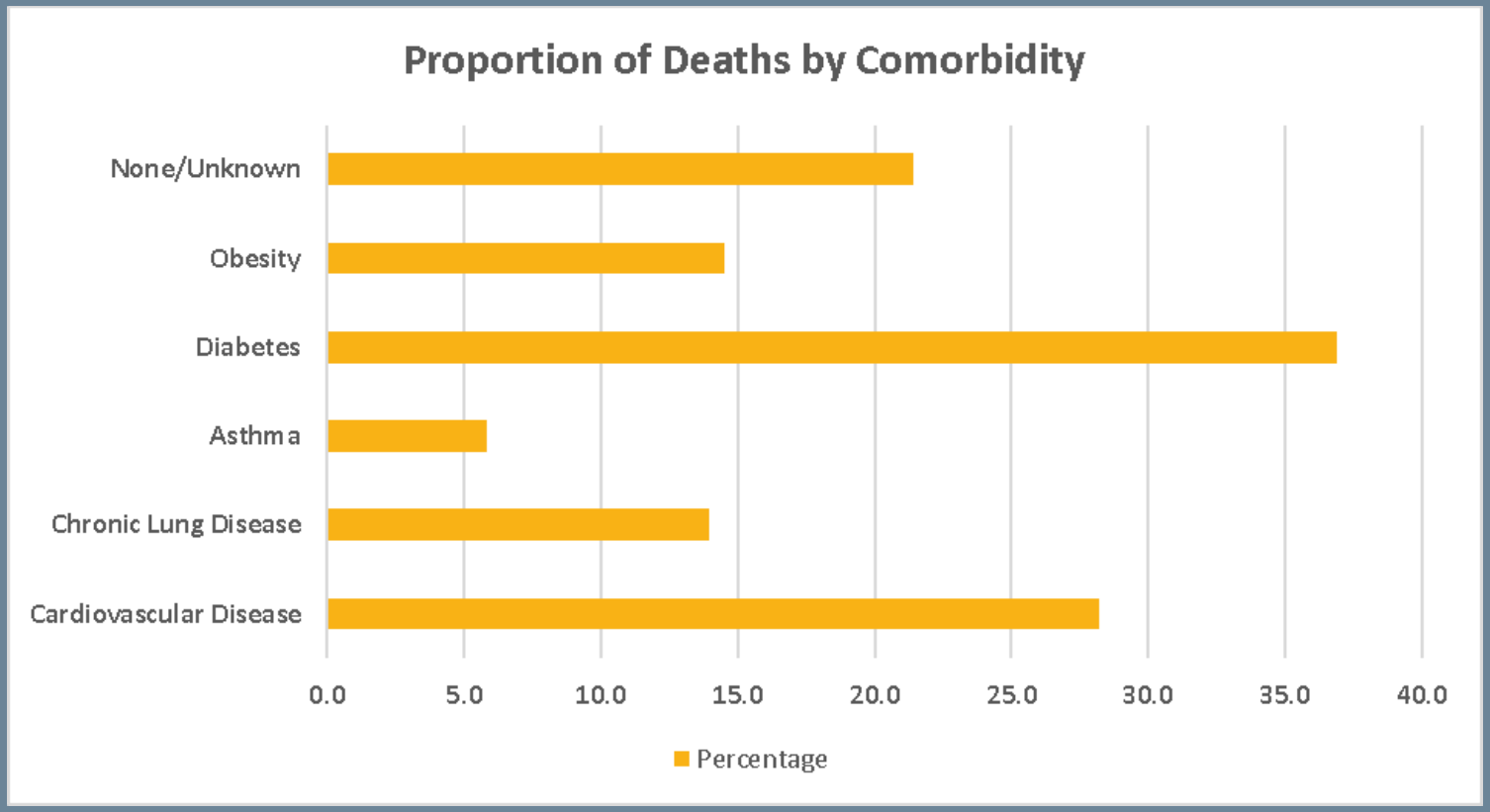
Deaths by Age Group

Age Group	% Pop	Total Deaths	% Deaths
0-17 years	24.9	1	0.0
18-49 years	44.3	219	9.9
50-64 years	17.4	533	24.0
65+ years	13.5	1467	66.1



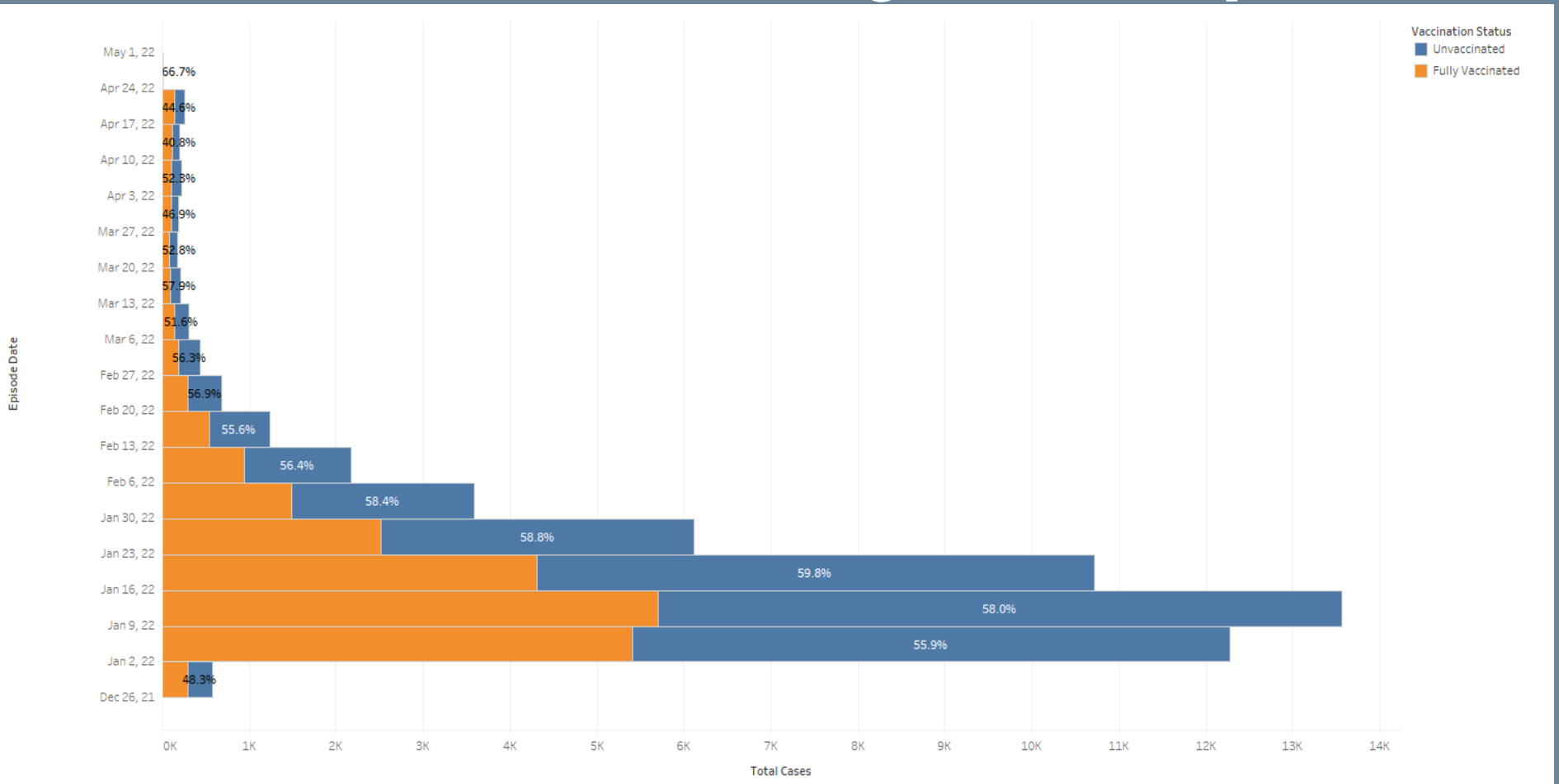
Note: The total number of deaths noted here is since the beginning of the pandemic on March 1, 2020.

Deaths by Comorbidities



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

Post-Vaccine Breakthrough Cases by Week

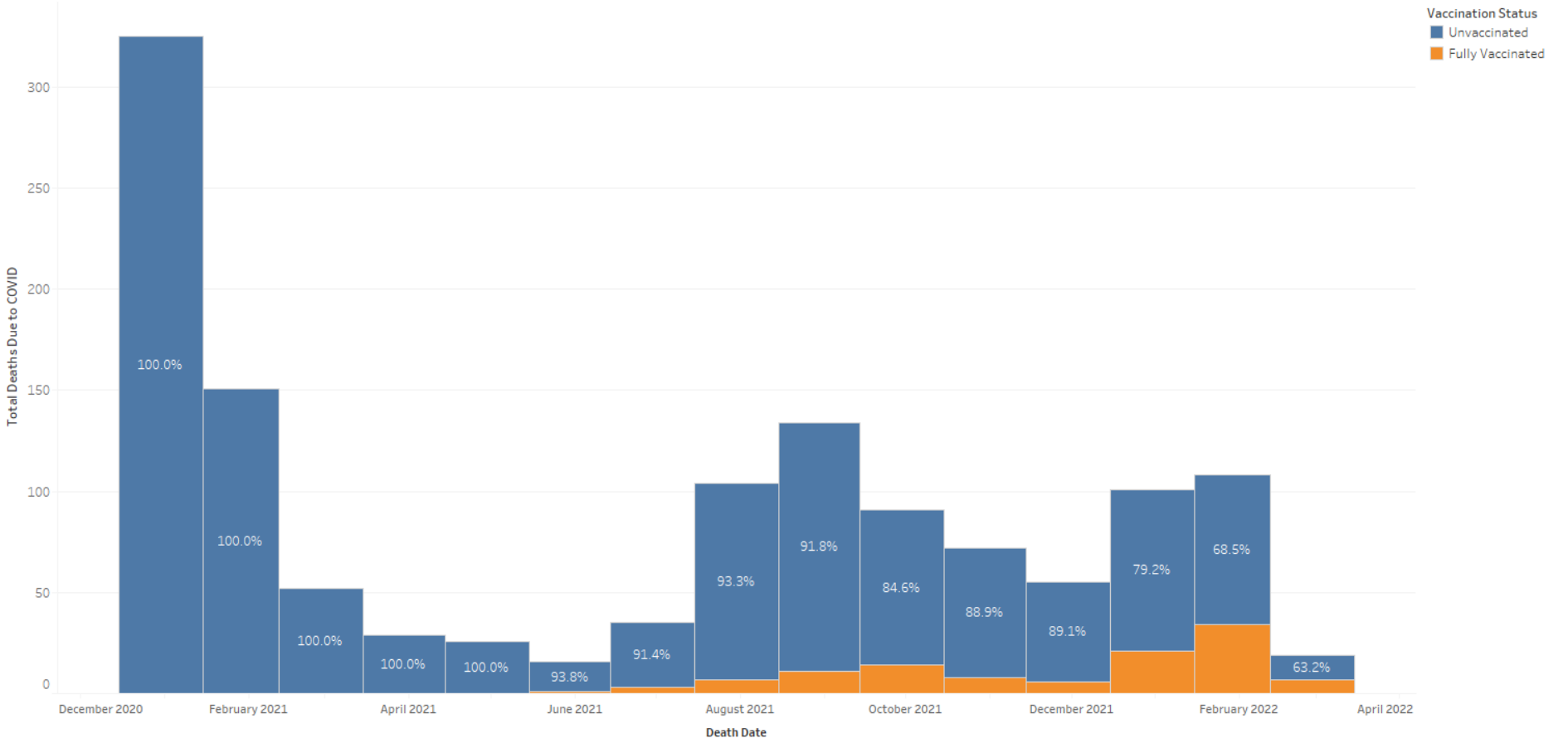


The plot of Total Cases for Episode Date Week. Color shows details about Vaccination Status. The marks are labeled by % of Total Cases, excluding Partially Vaccinated Cases. The data is filtered on Episode Date Year, which keeps 2022.

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 April 24, 2022. Updated every Friday.

- **Total case counts continued to decrease in March 2022, with unvaccinated cases making up between 43%-59% of the total.**
- **6.74% 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 and 2022. 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 April 24, 2022. Updated every Friday.

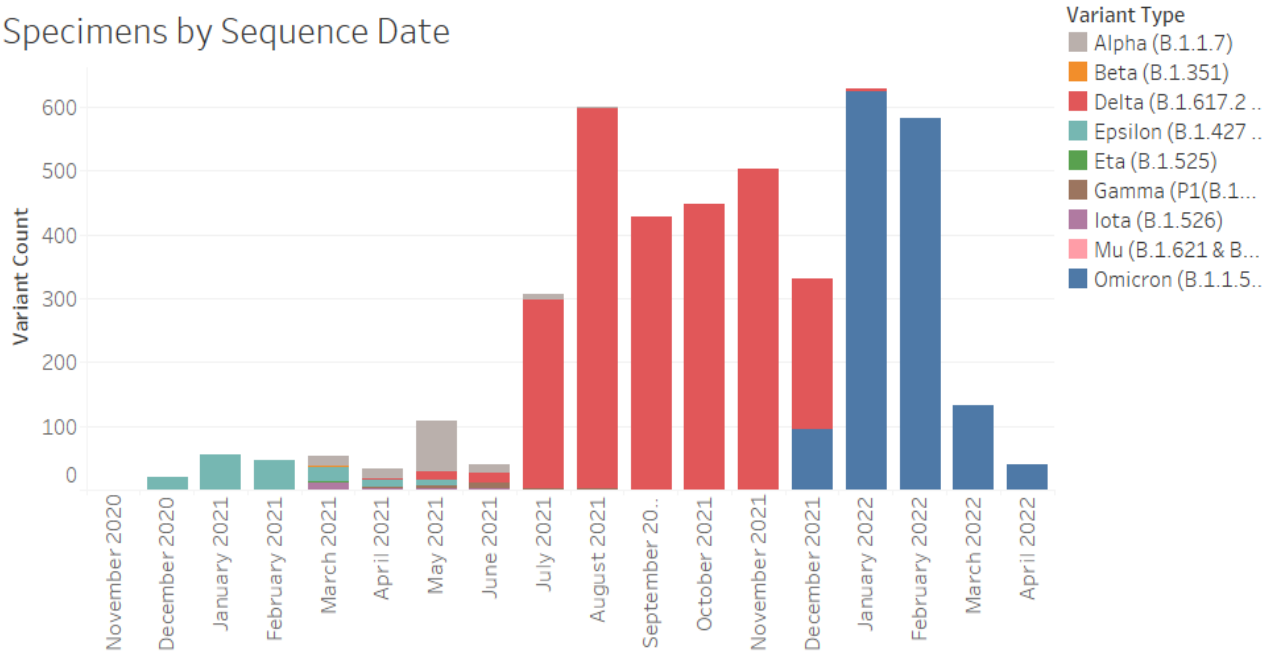
- **Around 63% of the COVID-19 related deaths in March 2022 were unvaccinated San Joaquin County residents (excluding partially vaccinated cases).**

Variants of Interest/Concern

Total Variants

Alpha (B.1.1.7)	136
Beta (B.1.351)	1
Delta (B.1.617.2 & AY Lineages)	2,545
Epsilon (B.1.427 & B.1.429)	165
Eta (B.1.525)	1
Gamma (P1(B.1.1.28.1))	17
Iota (B.1.526)	21
Mu (B.1.621 & B.1.621.1)	4
Omicron (B.1.1.529 & BA Lineages)	1,474
Grand Total	4,364

Specimens by Sequence Date



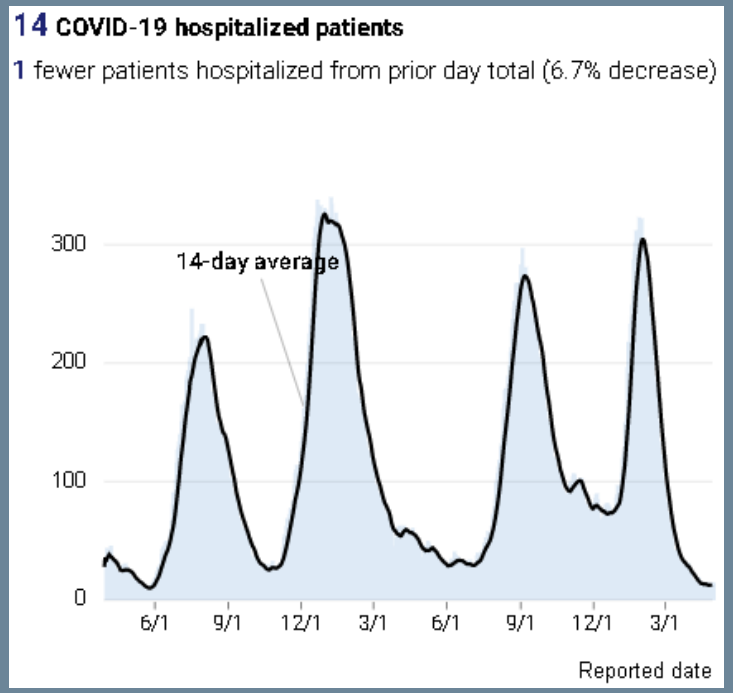
Variant Count by Type and Month

	November 2020	December 2020	January 2021	February 2021	March 2021	April 2021	May 2021	June 2021	July 2021	August 2021	September 2021	October 2021	November 2021	December 2021	January 2022	February 2022	March 2022	April 2022
Alpha (B.1.1.7)					17	17	80	13	8	1								
Beta (B.1.351)					1													
Delta (B.1.617.2 & AY Lineages)						1	13	15	295	596	429	449	504	236	6			
Epsilon (B.1.427 & B.1.429)	1	19	56	47	23	11	8											
Eta (B.1.525)					1													
Gamma (P1(B.1.1.28.1))						1	5	9	1	1								
Iota (B.1.526)					12	4	2	3										
Mu (B.1.621 & B.1.621.1)									2	2								
Omicron (B.1.1.529 & BA Linea..														95	624	583	133	39
Grand Total	1	19	56	47	54	34	108	40	306	600	429	449	504	331	630	583	133	39

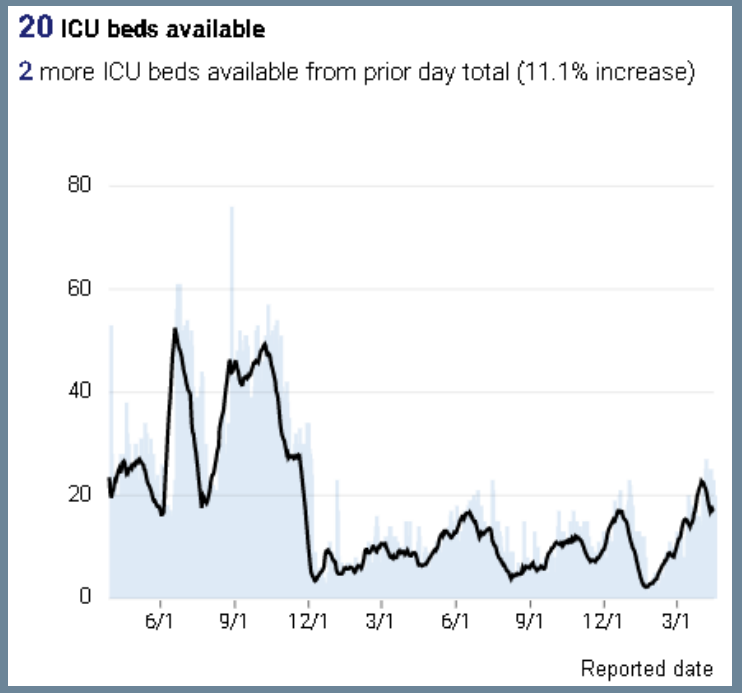
This slide includes only Electronic Lab Results. The data may differ from previous report since we are no longer counting manually entered results and only counting Electronic Labs results. There may be duplicate lab results that are currently being counted but are in the process of being cleaned from the data.

Total Hospitalizations and ICU Beds

Total Hospitalizations



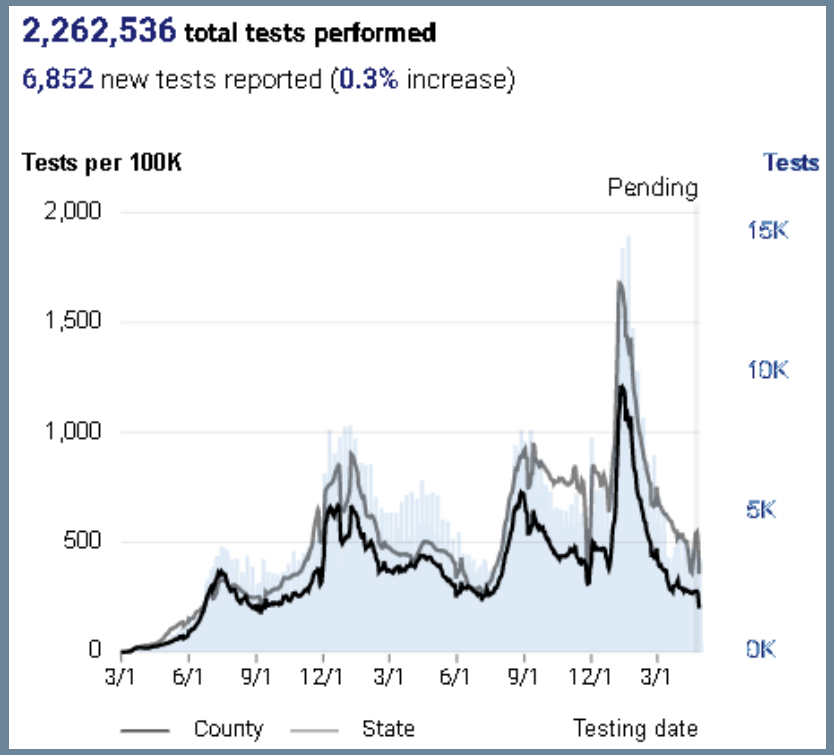
ICU Beds Available



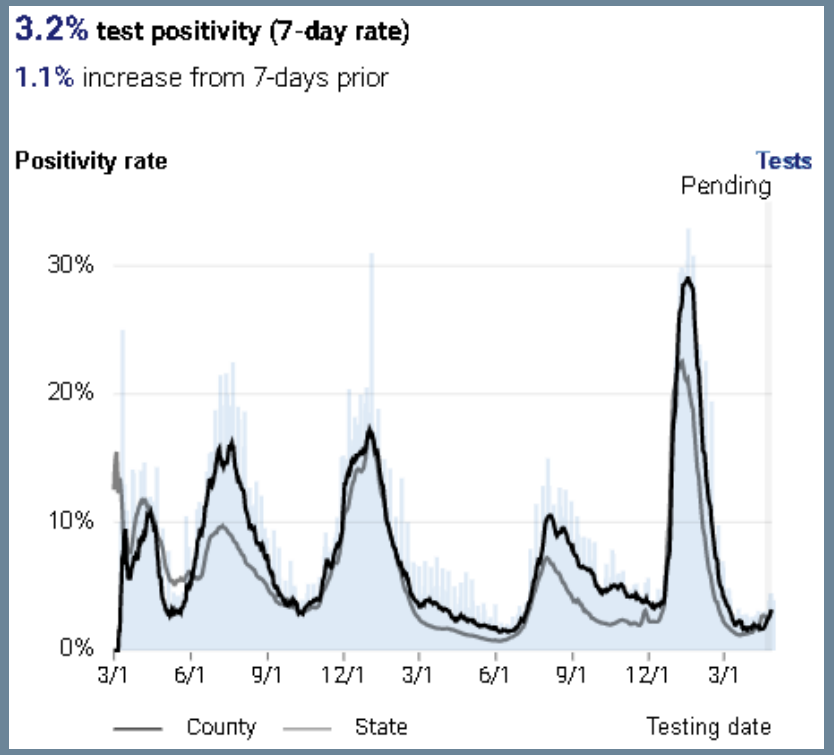
Note: Includes the number of licensed ICU beds and hospitalized patients in San Joaquin County, regardless of residency. Licensed ICU bed totals count the number of beds that can be staffed to provide intensive healthcare. Directional change is compared to the prior day. Data is provided by the California Department of Public Health. The total number is since the beginning of the pandemic on March 1, 2020. Updated Wednesdays and Fridays. Source: https://covid19.ca.gov/state-dashboard/

Testing and Positivity Rate

Tests Performed



Positivity Rate

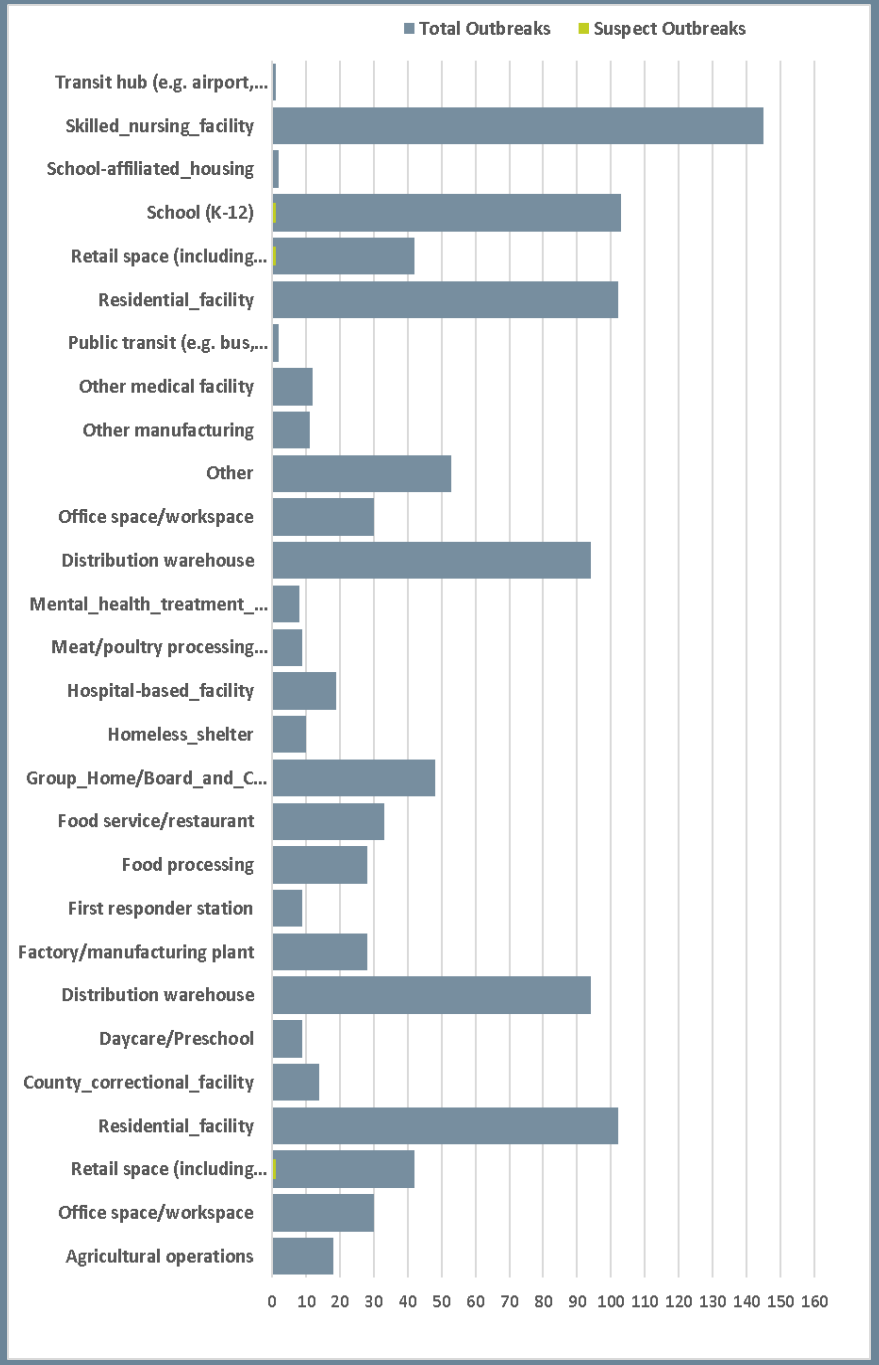


Note: Testing date is the date the test was administered. Test positivity is based on a 7-day average with no lag. Directional change is compared to the prior 7-day period. Data is provided by the California Department of Public Health. The total number is since the beginning of the pandemic on March 1, 2020. Updated Wednesdays and Fridays. Source: https://covid19.ca.gov/state-dashboard/

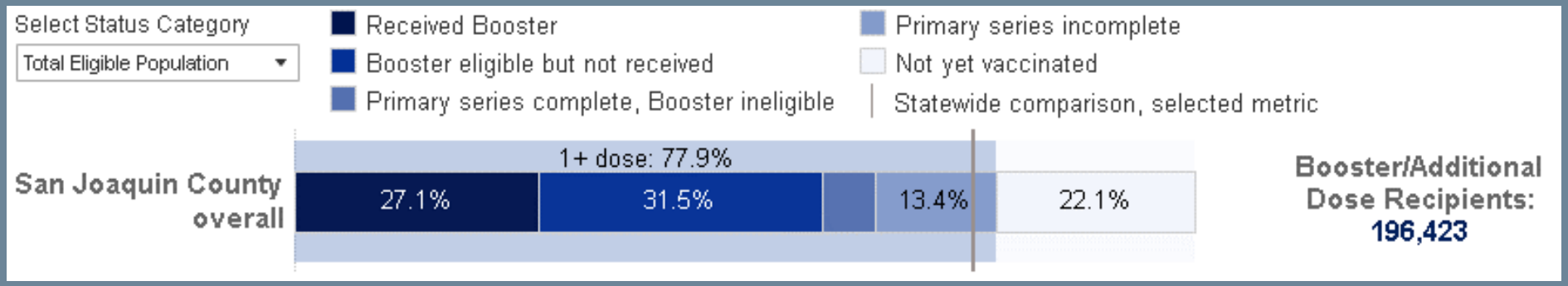
Outbreaks by Industry

- 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)



Vaccination Progress Overall



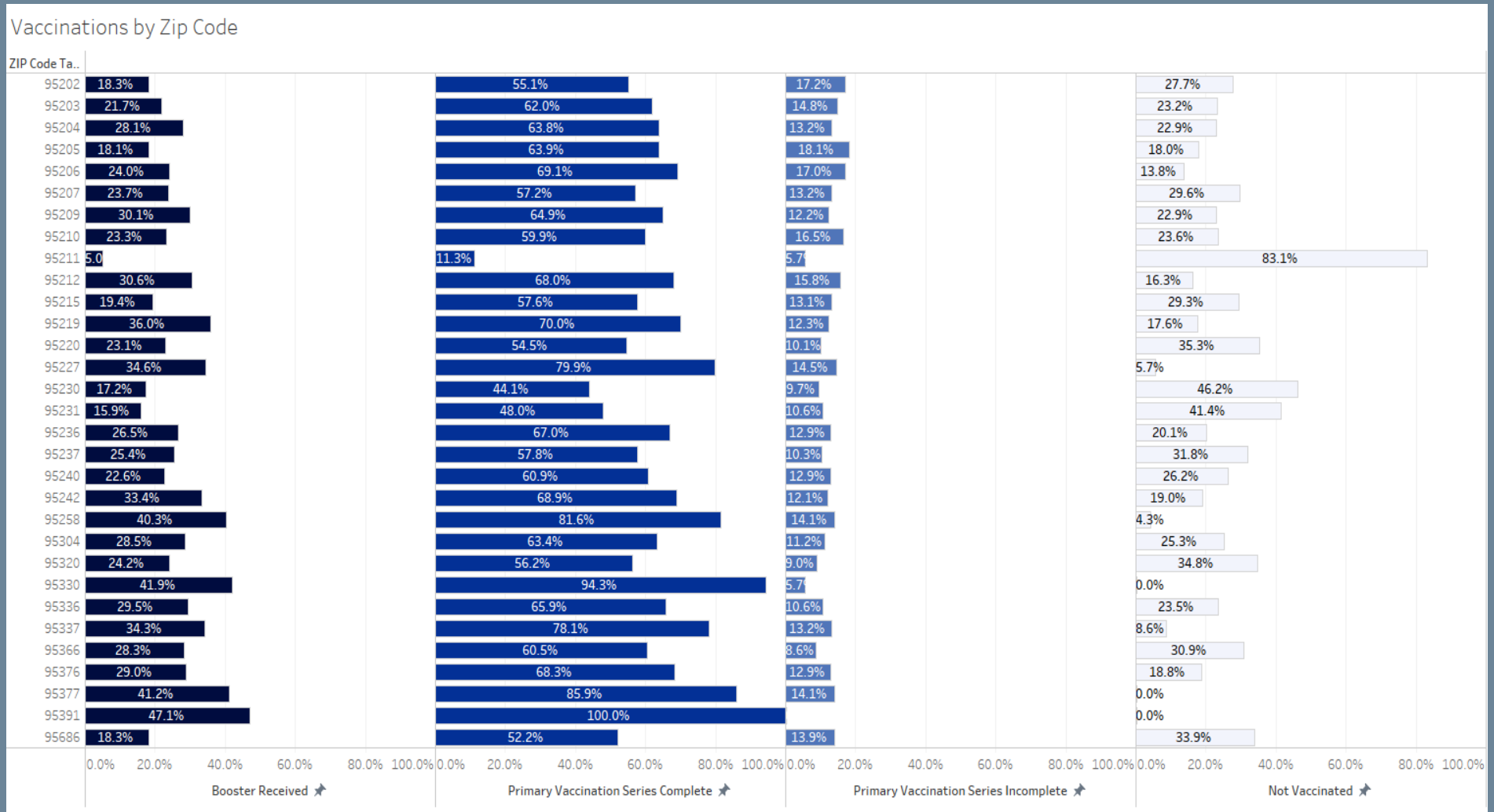
Note: Vaccination breakdowns are updated every Wednesday. CDCR-incarcerated individuals may not be represented. State comparison is for fully vaccinated individuals.
***Data source: COVID-19 LHJ Vaccine Progress Dashboard (Internal)*

Vaccinations by Jurisdiction

Jurisdiction	% Fully Vaccinated	% Partially Vaccinated
Stockton	77.7	18.1
Tracy	89.8	17.3
Lodi	74.1	14.6
Manteca	78.5	12.9
Escalon	96.6	15.4
Ripon	68.5	9.8
Lathrop	96.0	15.8
Unincorporated	15.6	3.1
Total	64.4	13.3

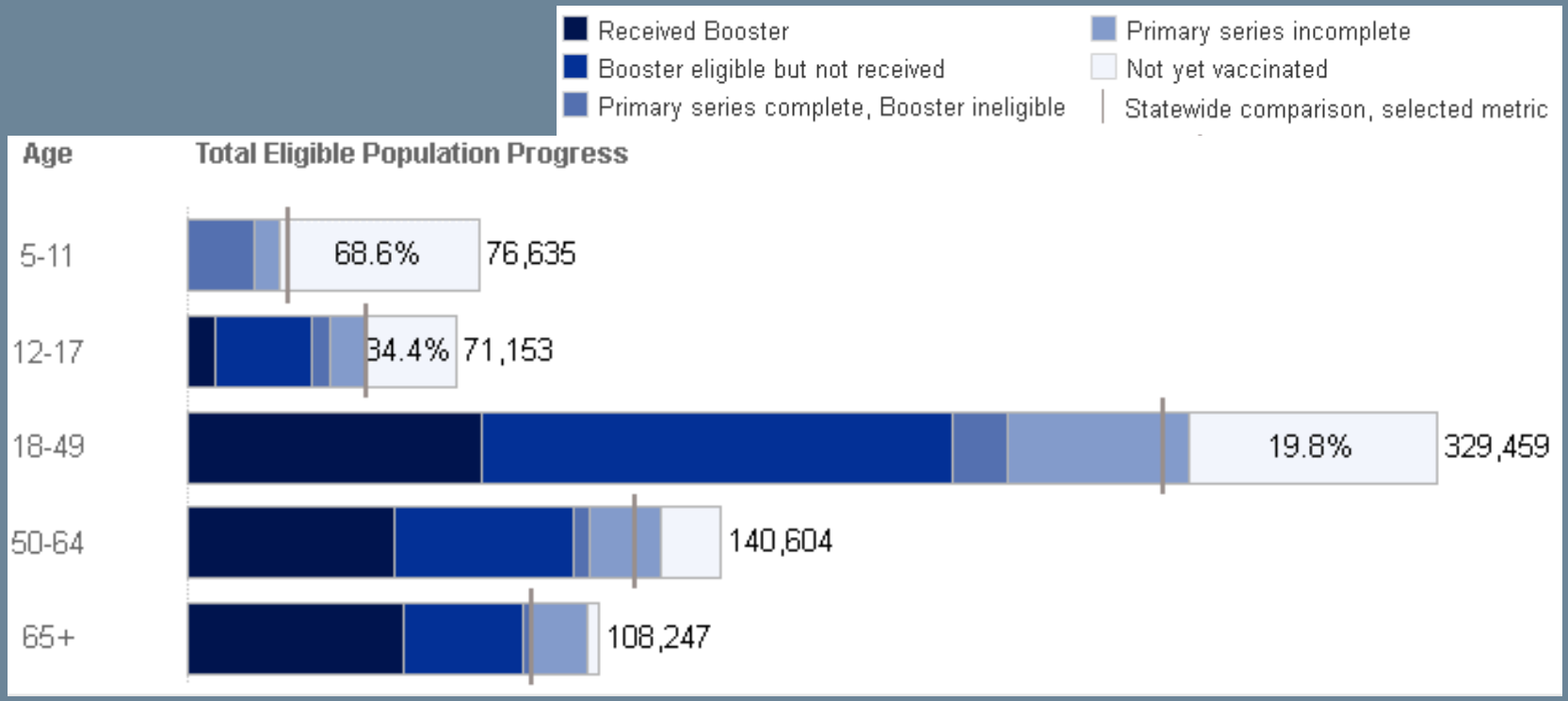
Note: The population estimate is not a precise count of current residents, which can cause an overestimate of individuals who are vaccinated. Population estimates for each Jurisdiction have been updated to the 2019 American Community Survey (ACS) 5-Year Estimates. Population estimates are for individuals 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.

Vaccinations by Zip Code



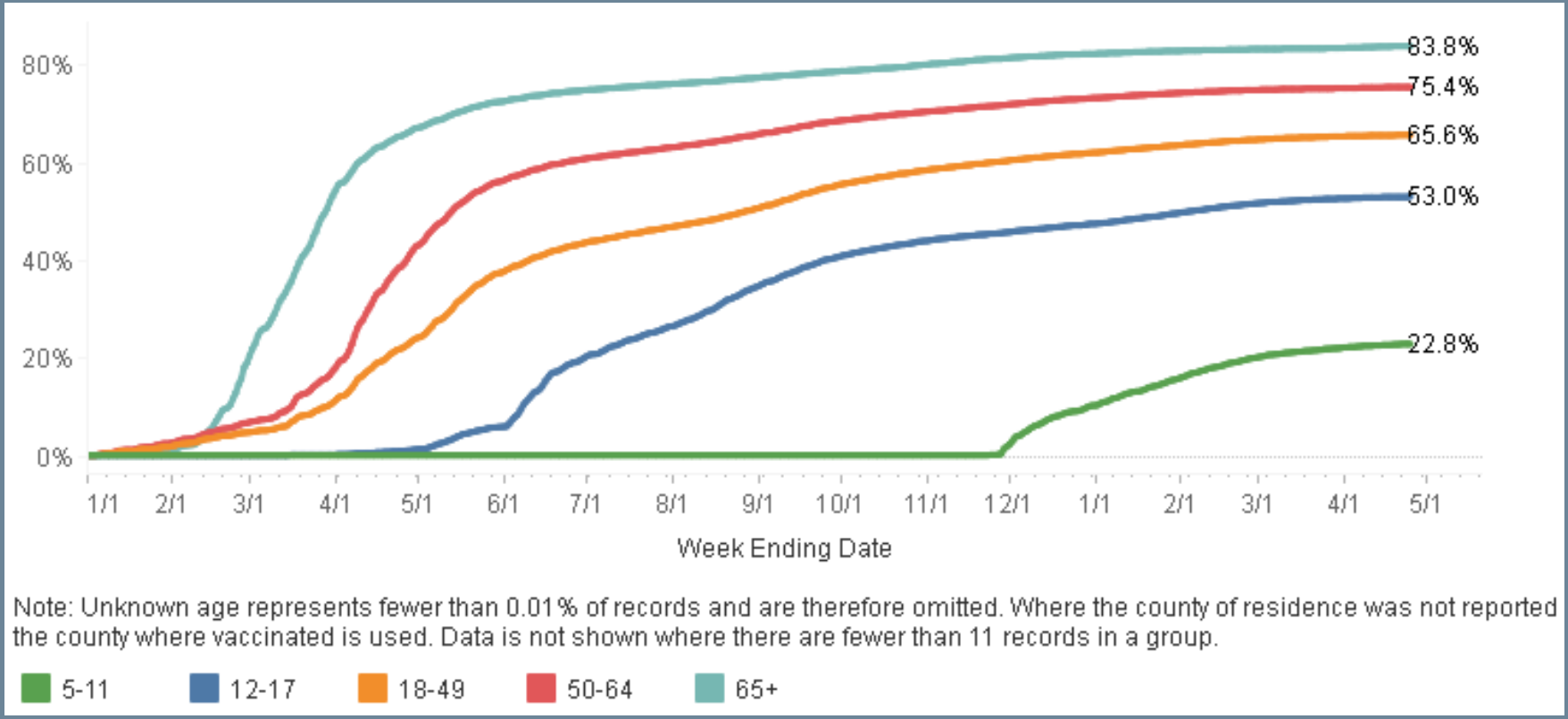
Note: Vaccination breakdowns are updated every Wednesday. Addresses for CDCR-incarcerated individuals are often incomplete and vaccinations may not be represented in this chart for Zip Codes 95215 and 95376. Percentages of Fully Vaccinated capped at 100% where they exceed age 5+ population due to variability in population estimates. Data source: COVID-19 LHJ Vaccine Progress Dashboard (Internal)

Vaccination Progress by Age Group



Note: Vaccination breakdowns are updated every Wednesday. State comparison is for fully vaccinated individuals.
***The data source for this chart has been changed: COVID-19 LHJ Vaccine Progress Dashboard (Internal)*

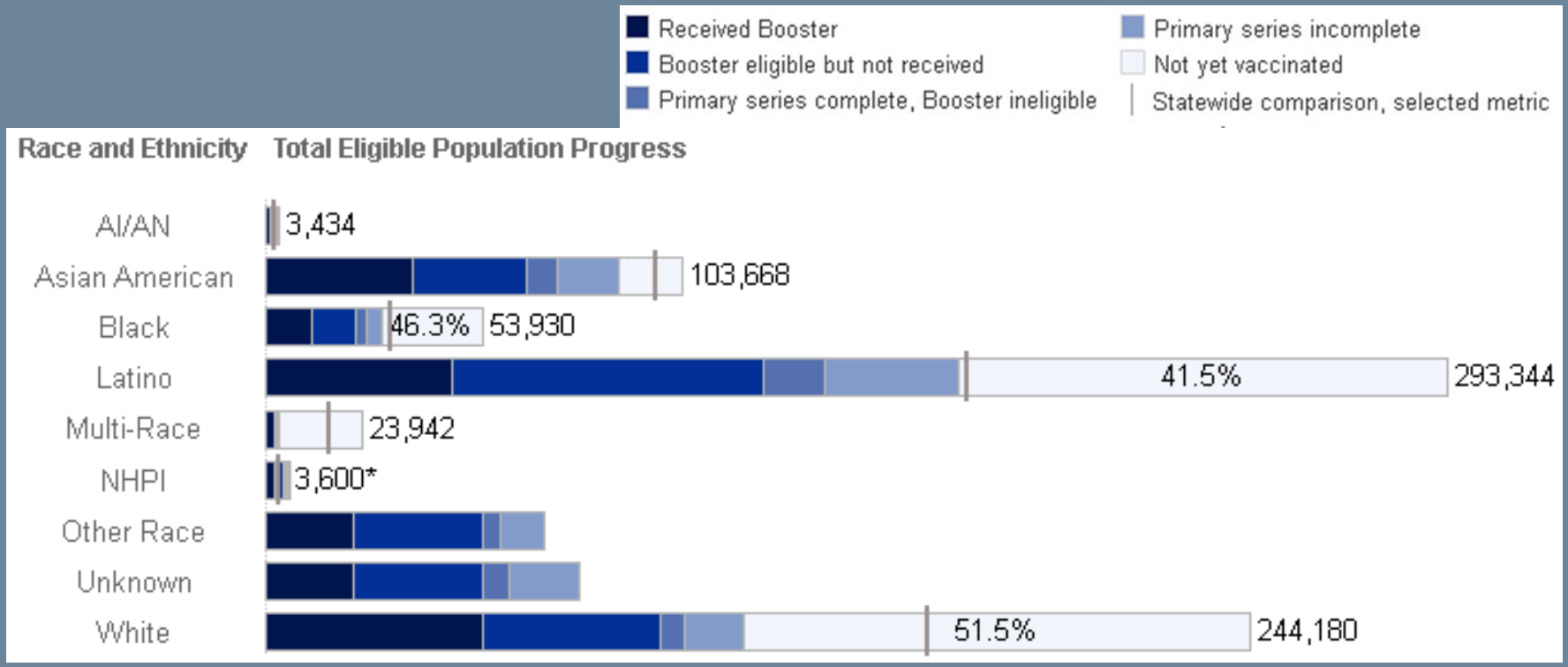
Fully Vaccinated Over Time by Age Group



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

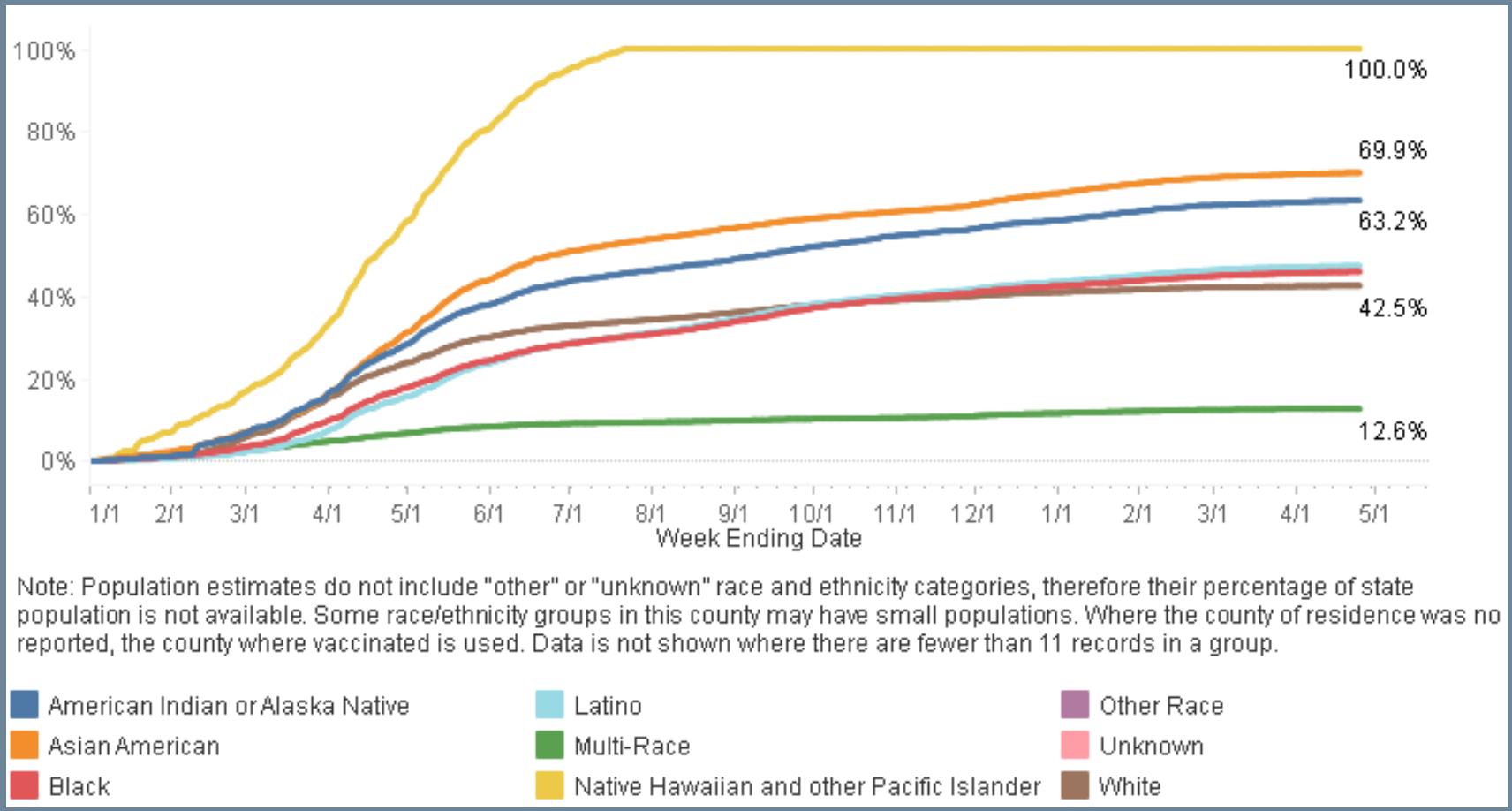
Percentages may have changed due to the addition of 5-11 year olds to the vaccine eligible population.

Vaccination Progress by Race/Ethnicity



Note: Vaccination breakdowns are updated every Wednesday. State comparison is for fully vaccinated individuals.
***The data source for this chart has been changed: COVID-19 LHJ Vaccine Progress Dashboard (Internal)*

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.
  - COVID-19 LHJ Vaccine Progress Dashboard (Internal)

- 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 results: Do not represent the total number of variant infections as not all positive COVID-19 cases can be sequenced. It can take a few weeks (sometimes up to 1 month) to receive sequencing results. The total number of specimens being sequenced is unknown, as labs/providers choose what specimens to send and where. San Joaquin County Public Health Services tends to receive more sequencing results from vaccinated cases, hospitalized cases, and cases that are connected to outbreaks.
- Vaccinations: Population estimates are for individuals 5 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. 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.