County of San Diego

COVID-19 Weekly Update

2/23/2023
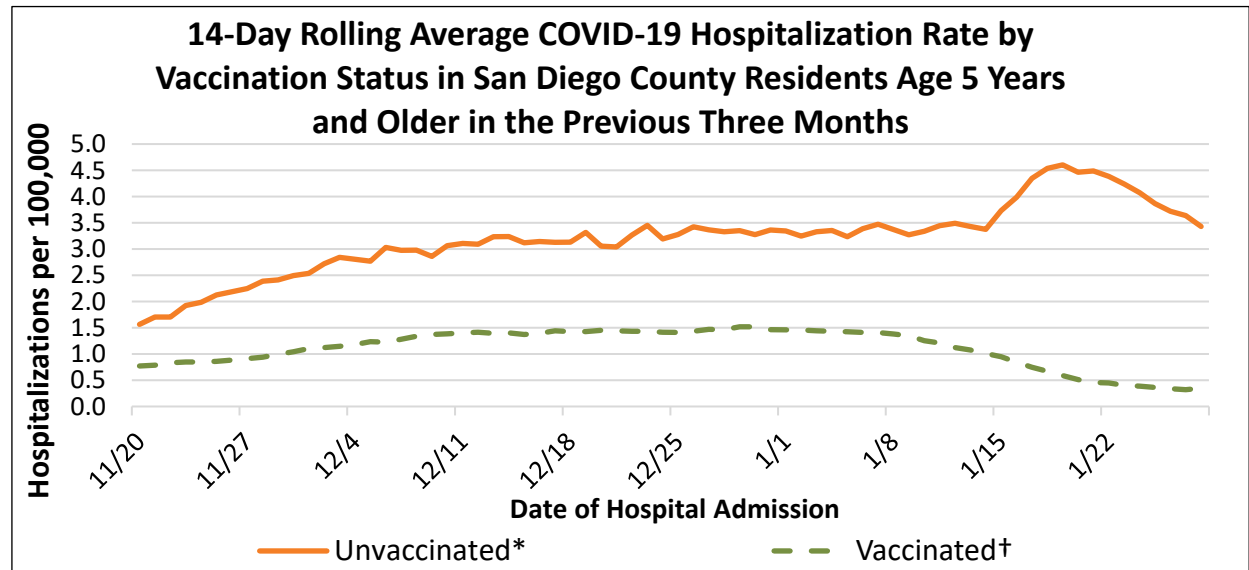
COVID-19 Hospitalization Rate by Vaccination Status

Hospitalization rate for unvaccinated residents is **9.8 times higher** than vaccinated residents

Average Daily Hospitalizations per 100,000 People 5 Years and Older
(14-day average : 1/15/2023 – 1/28/2023)

Unvaccinated* (per 100K - 5+ years)	Vaccinated† (per 100K - 5+ years)
3.43	**0.35**

14-Day Rolling Average COVID-19 Hospitalization Rate by Vaccination Status in San Diego County Residents Age 5 Years and Older in the Previous Three Months

According to CDC, several factors likely affect crude case rates by vaccination and booster dose status, making interpretation of recent trends difficult. Limitations include higher prevalence of previous infection among the unvaccinated and un-boosted groups; difficulty in accounting for time since vaccination and waning protection; and possible differences in testing practices (such as at-home tests) and prevention behaviors by age and vaccination status.

*An unvaccinated hospitalization, or death is one that occurs in a person who has not received a COVID-19 vaccine. Partially vaccinated persons are excluded.
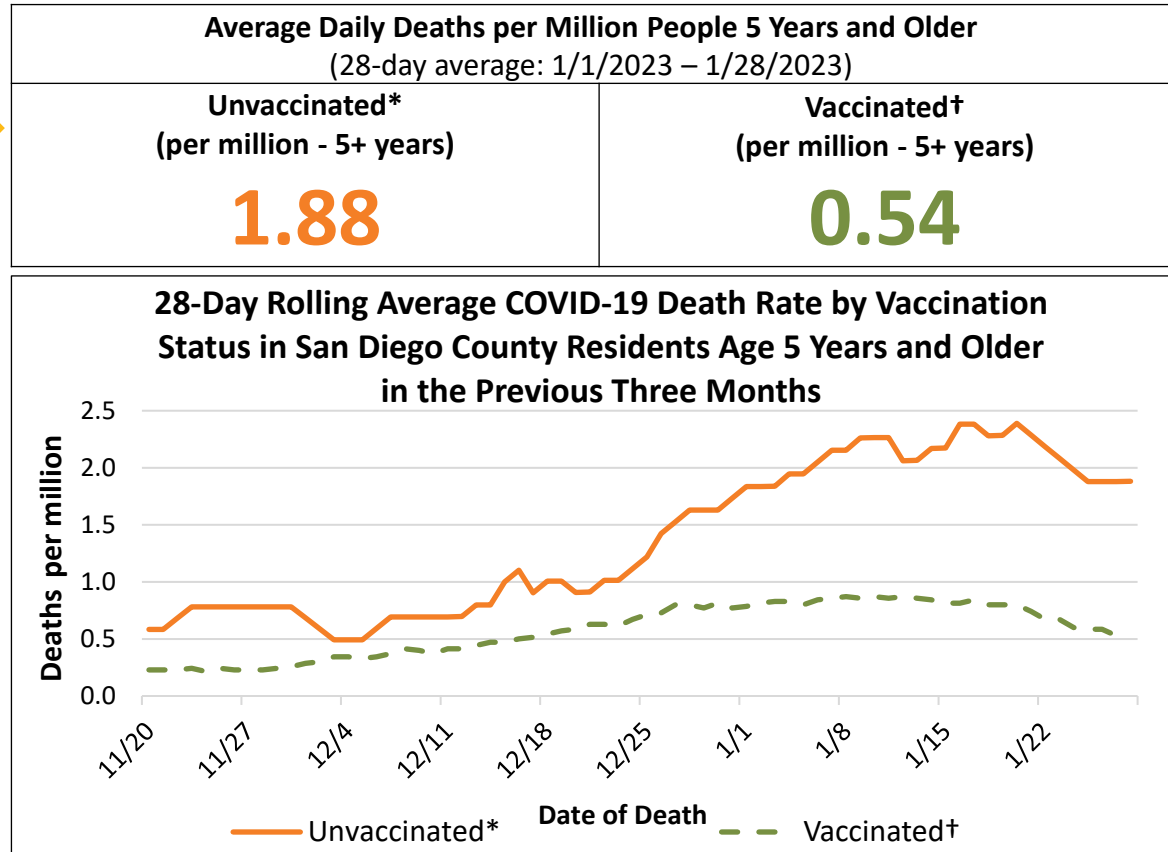
†A vaccinated hospitalization or death is one that occurs in a person who received at least two doses of a two-dose vaccine series (e.g., Pfizer, Moderna) or one dose of a one-dose series (e.g., Johnson & Johnson) at least 2 weeks before they tested positive for COVID-19. This includes persons who have received a monovalent or bivalent booster dose.

San Diego County Population from SANDAG 2019 Population Estimates (Prepared June 2020) for persons 5 years of age and older = 3,144,061. The vaccinated population for each day is the cumulative number of county residents 5 years of age and older documented to have received the final or booster dose of COVID-19 vaccine at least 14 days prior to that day. The unvaccinated population is the estimated county population 5 years of age and older minus the partially vaccinated, fully vaccinated, and boosted populations. For more information see the COVID-19 Watch and the Summary of Cases by Vaccination Status. Prepared by the County of San Diego. Data through 2/18/2023, updated 2/23/2023.

COVID-19 Deaths by Vaccination Status

Death rate for unvaccinated residents is **3.5 times higher** than vaccinated residents

Average Daily Deaths per Million People 5 Years and Older
(28-day average: 1/1/2023 – 1/28/2023)

Unvaccinated* (per million - 5+ years)	Vaccinated† (per million - 5+ years)
1.88	**0.54**

28-Day Rolling Average COVID-19 Death Rate by Vaccination Status in San Diego County Residents Age 5 Years and Older in the Previous Three Months

According to CDC, several factors likely affect crude case rates by vaccination and booster dose status, making interpretation of recent trends difficult. Limitations include higher prevalence of previous infection among the unvaccinated and un-boosted groups; difficulty in accounting for time since vaccination and waning protection; and possible differences in testing practices (such as at-home tests) and prevention behaviors by age and vaccination status.

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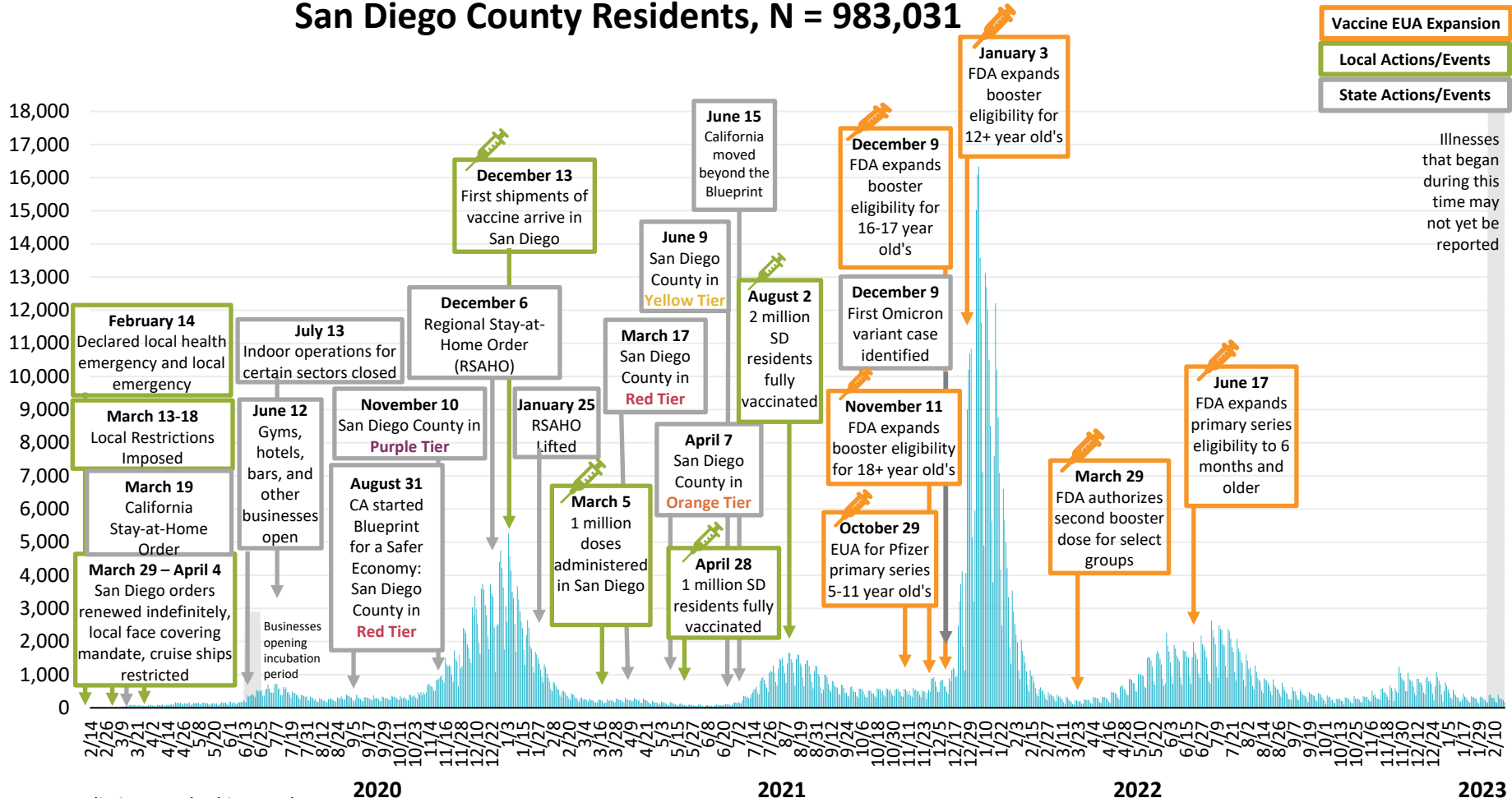
†A vaccinated hospitalization or death is one that occurs in a person who received at least two doses of a two-dose vaccine series (e.g., Pfizer, Moderna) or one dose of a one-dose series (e.g., Johnson & Johnson) at least 2 weeks before they tested positive for COVID-19. This includes persons who have received a monovalent or bivalent booster dose. San Diego County Population from SANDAG 2019 Population Estimates (Prepared June 2020) for persons 5 years of age and older = 3,144,061. The vaccinated population for each day is the cumulative number of county residents 5 years of age and older documented to have received the final or booster dose of COVID-19 vaccine at least 14 days prior to that day. The unvaccinated population is the estimated county population 5 years of age and older minus the partially vaccinated, fully vaccinated, and boosted populations. For more information see the COVID-19 Watch and the Summary of Cases by Vaccination Status. Prepared by the County of San Diego. Data through 2/18/2023, updated 2/23/2023.

COVID-19 Cases in San Diego County by Illness Onset Date

Confirmed COVID-19 Cases by Date of Episode Date*
San Diego County Residents, N = 983,031

Vaccine EUA Expansion

Local Actions/Events

State Actions/Events

Illnesses that began during this time may not yet be reported

January 3 FDA expands booster eligibility for 12+ year old's

December 9 FDA expands booster eligibility for 16-17 year old's

June 15 California moved beyond the Blueprint

December 13 First shipments of vaccine arrive in San Diego

June 9 San Diego County in Yellow Tier

August 2 2 million SD residents fully vaccinated

December 9 First Omicron variant case identified

February 14 Declared local health emergency and local emergency

July 13 Indoor operations for certain sectors closed

December 6 Regional Stay-at-Home Order (RSAHO)

March 17 San Diego County in Red Tier

November 11 FDA expands booster eligibility for 18+ year old's

June 17 FDA expands primary series eligibility to 6 months and older

March 13-18 Local Restrictions Imposed

June 12 Gyms, hotels, bars, and other businesses open

November 10 San Diego County in Purple Tier

January 25 RSAHO Lifted

April 7 San Diego County in Orange Tier

March 29 FDA authorizes second booster dose for select groups

March 19 California Stay-at-Home Order

August 31 CA started Blueprint for a Safer Economy: San Diego County in Red Tier

March 5 1 million doses administered in San Diego

October 29 EUA for Pfizer primary series 5-11 year old's

March 29 – April 4 San Diego orders renewed indefinitely, local face covering mandate, cruise ships restricted

Businesses opening incubation period

April 28 1 million SD residents fully vaccinated

2020   2021   2022   2023

Data are preliminary and subject to change

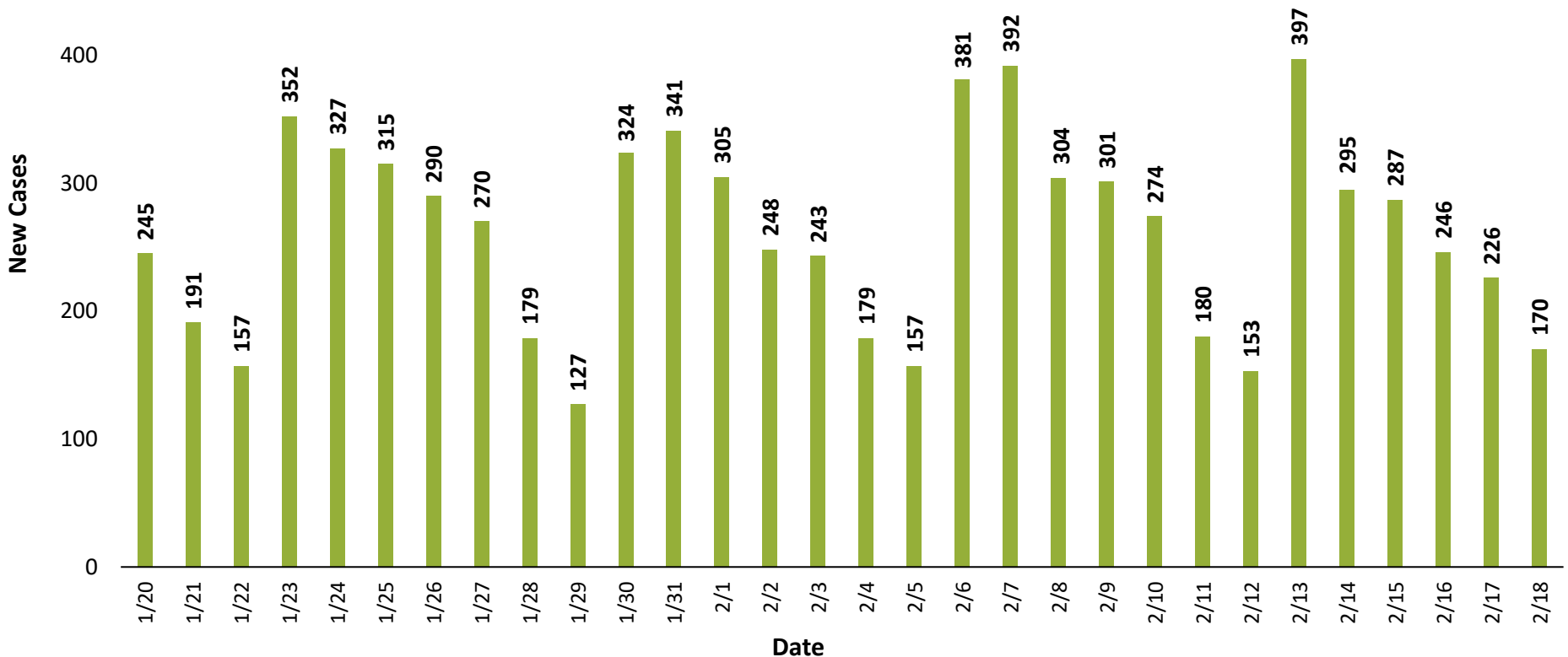*Episode date is the earliest date of illness onset date, specimen collection date, date of death, or date reported.

Abbreviations: EUA: emergency use authorization

Data available at: https://sdgis-sandag.opendata.arcgis.com/ Prepared by County of San Diego, Emergency Operation Center, 2/23/2023.

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COVID-19 Cases Among San Diego County Residents
New Cases by Episode Date*, Last 30 Days
(1/20 - 2/18)

New Cases vs Date

- 1/20: 245
- 1/21: 191
- 1/22: 157
- 1/23: 352
- 1/24: 327
- 1/25: 315
- 1/26: 290
- 1/27: 270
- 1/28: 179
- 1/29: 127
- 1/30: 324
- 1/31: 341
- 2/1: 305
- 2/2: 248
- 2/3: 243
- 2/4: 179
- 2/5: 157
- 2/6: 381
- 2/7: 392
- 2/8: 304
- 2/9: 301
- 2/10: 274
- 2/11: 180
- 2/12: 153
- 2/13: 397
- 2/14: 295
- 2/15: 287
- 2/16: 246
- 2/17: 226
- 2/18: 170

Data are preliminary and subject to change. As of 10/3/2021, new case counts include cases that are presumed reinfections, defined as a positive test more than 90 days after the first positive test for a previous infection or an infection with a different lineage.

*Episode date is the earliest available of symptom onset date, specimen collection date, date of death, date reported. Due to testing and reporting lags, additional cases may be added to previous week totals.

Prepared by County of San Diego, Emergency Operations Center, 2/23/2023

Metrics *Beyond the Blueprint*

Date Updated	Dates of Interest for Analyses	Average Daily Case Rate per 100,000*	Testing Positivity Percentage	Health Equity Testing Positivity Percentage	Testing Rate per 100,000
1/12/2023	12/25-12/31	19.7	15.3%	16.1%	140.4
1/19/2023	1/1-1/7	14.2	10.8%	11.9%	148.8
1/26/2023	1/8-1/14	10.0	7.4%	8.6%	158.1
2/2/2023	1/15-1/21	8.1	6.4%	7.4%	142.4
2/9/2023	1/22-1/28	7.9	5.9%	6.2%	151.4
2/16/2023	1/29-2/4	7.4	5.8%	6.3%	143.4
2/23/2023	2/5-2/11	8.4	6.0%	6.0%	150.3

Data are preliminary and subject to change.
*Previously referred to as the unadjusted case rate under the Blueprint for a Safer Economy Tier Framework.
All metrics calculated using local data using a 7-day daily average with a 7-day lag; case rate uses episode date and testing metrics use specimen collection date.
California Department of Finance 2020 Projection Population Estimate for San Diego County is 3,370,418.
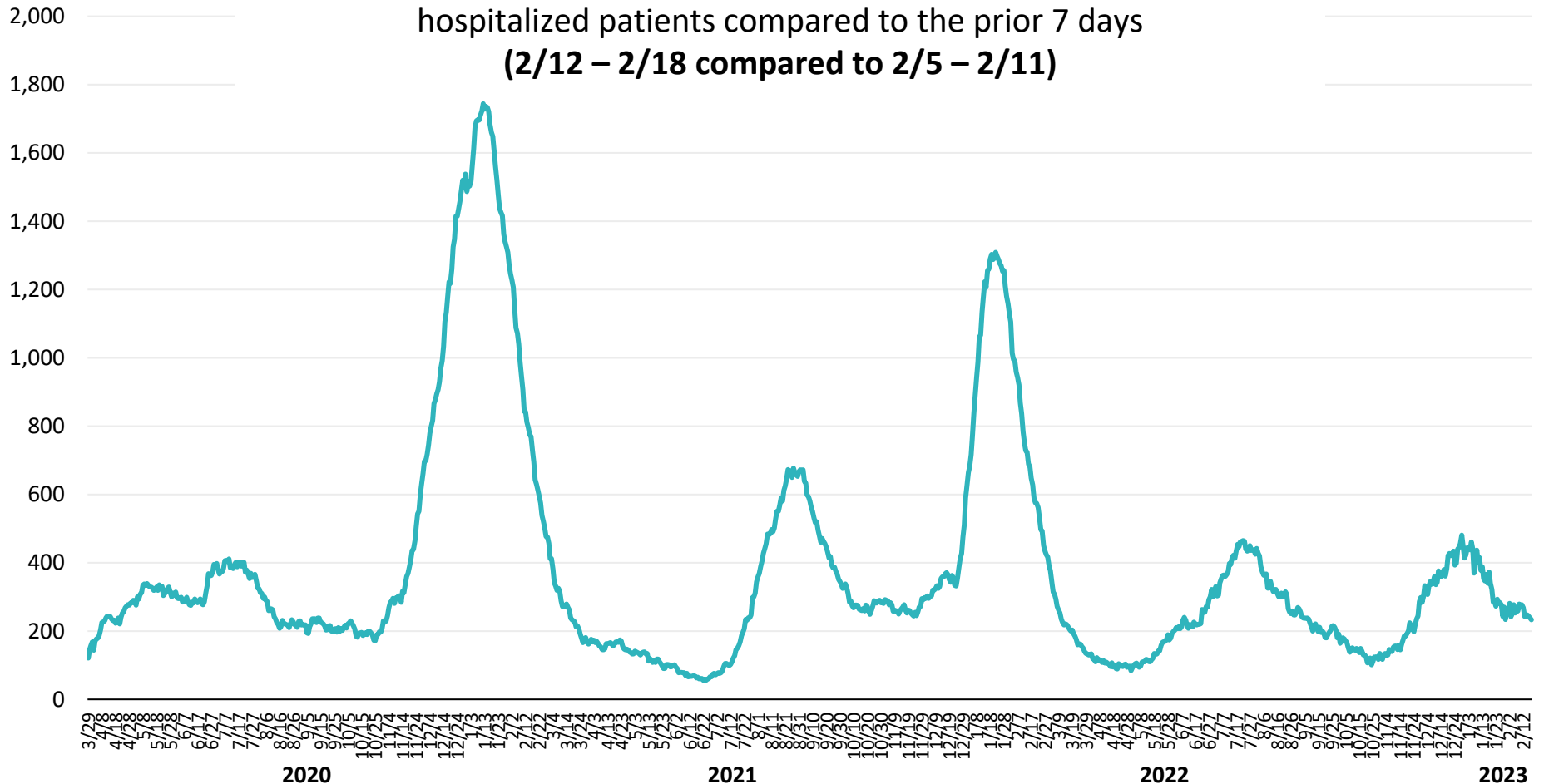Prepared by County of San Diego, Emergency Operations Center, 2/23/2023

COVID-19 Confirmed Hospitalized Patients

8% decrease in the 7-day average daily number of confirmed COVID-19 hospitalized patients compared to the prior 7 days
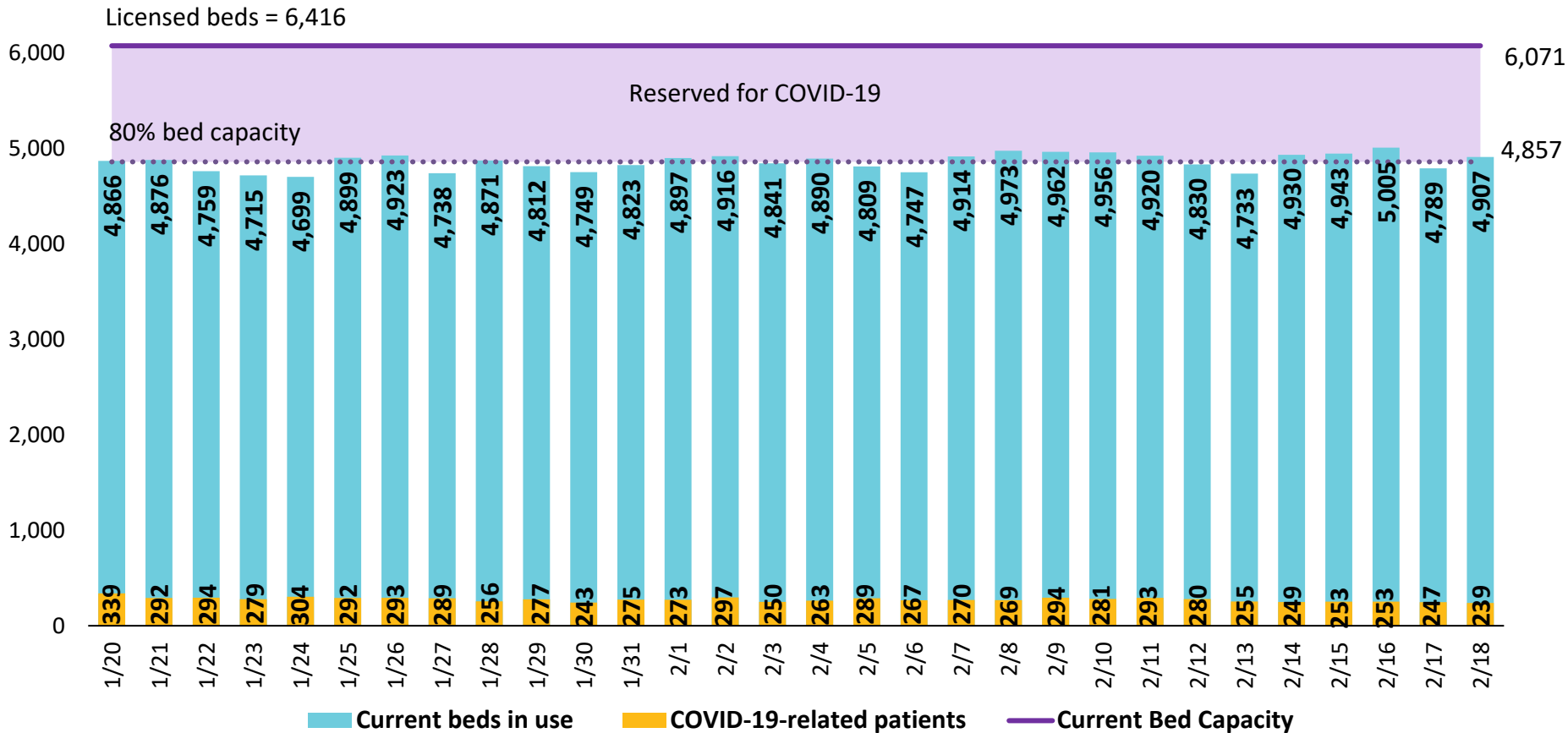**(2/12 – 2/18 compared to 2/5 – 2/11)**

Data are preliminary and subject to change; data through 7/30 from State of California Health and Human Services Open Data; data starting 7/31 from hospitals reporting directly to County of San Diego; census for non-federal hospitals; includes both San Diego County residents and non-residents;*Starting 10/31, COVID hospital census numbers will show an increase due to a change in the hospital census definition. Previously, COVID-19 hospitalized patients stopped being counted as a COVID-19 hospitalized patient after 8 days. Now, they continue to be counted as a COVID-19 hospitalized patient for their entire stay in the hospital. Prepared by County of San Diego, Emergency Operations Center, 2/23/2023

COVID-19 Daily Hospital Bed Census

COVID-19 Daily Hospital Census, San Diego County
Includes Cases and Suspect COVID-19 Patients

Licensed beds = 6,416

Reserved for COVID-19

80% bed capacity

6,071

4,857

Date	Current beds in use	COVID-19-related patients
1/20	4,866	339
1/21	4,876	292
1/22	4,759	294
1/23	4,715	279
1/24	4,699	304
1/25	4,899	292
1/26	4,923	293
1/27	4,738	289
1/28	4,871	256
1/29	4,812	277
1/30	4,749	243
1/31	4,823	275
2/1	4,897	273
2/2	4,916	297
2/3	4,841	250
2/4	4,890	263
2/5	4,809	289
2/6	4,747	267
2/7	4,914	270
2/8	4,973	269
2/9	4,962	294
2/10	4,956	281
2/11	4,920	293
2/12	4,830	280
2/13	4,733	255
2/14	4,930	249
2/15	4,943	253
2/16	5,005	253
2/17	4,789	247
2/18	4,907	239

Legend: Current beds in use ■ COVID-19-related patients ■ Current Bed Capacity ──
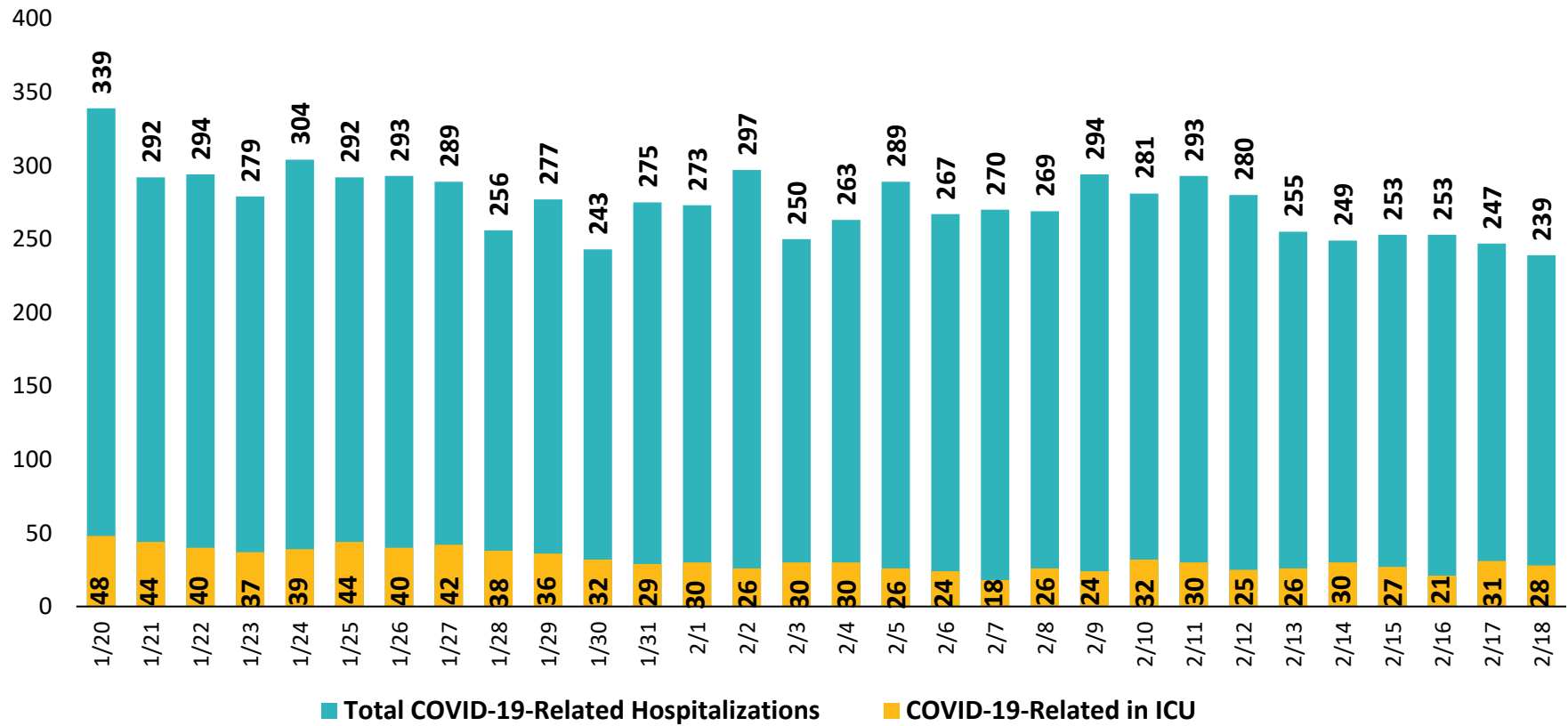
Data are preliminary and subject to change; data from hospitals reporting directly to the County of San Diego; includes cases and suspect patients for non-federal hospitals for San Diego County residents and non-residents; current bed capacity for non-federal hospitals in San Diego County. Prepared by County of San Diego, Emergency Operations Center, 2/23/2023

COVID-19 Hospital Census

COVID-19 Hospital Daily Census in San Diego County
Includes Cases and Suspect COVID-19 Patients

■ Total COVID-19-Related Hospitalizations   ■ COVID-19-Related in ICU
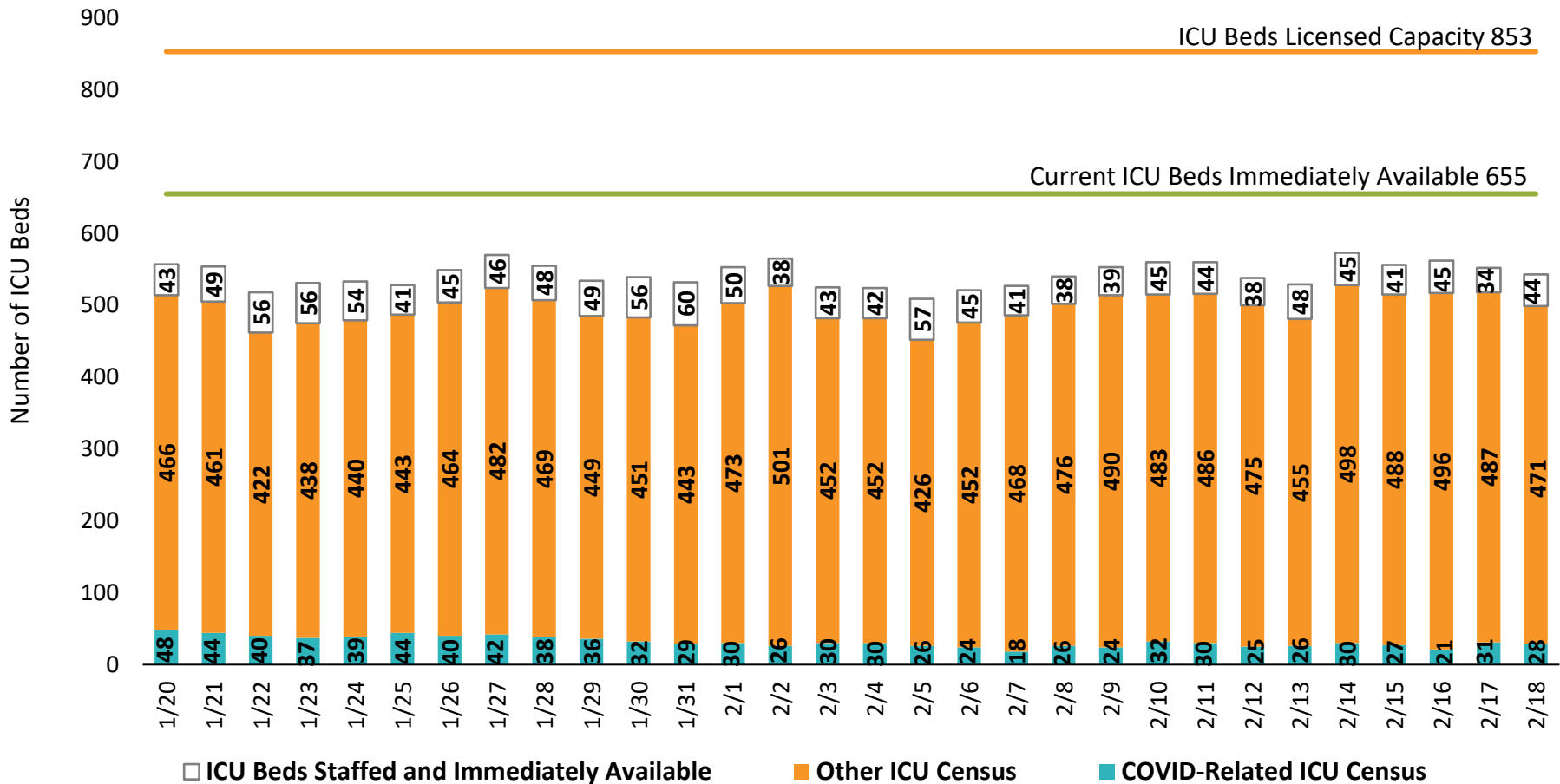
Data are preliminary and subject to change; data from hospitals reporting directly to County of San Diego; census for San Diego County non-federal hospitals; includes cases and suspect COVID-19 patients for San Diego County residents and non-residents. Prepared by County of San Diego, Emergency Operations Center, 2/23/2023

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ICU Bed Occupancy, Capacity, and Availability

COVID-19 Daily ICU Bed Occupancy and Capacity, San Diego County
Includes Cases and Suspect COVID-19 Patients

ICU Beds Licensed Capacity 853

Current ICU Beds Immediately Available 655

Number of ICU Beds

Date	ICU Beds Staffed and Immediately Available	Other ICU Census	COVID-Related ICU Census
1/20	43	466	48
1/21	49	461	44
1/22	56	422	40
1/23	56	438	37
1/24	54	440	39
1/25	41	443	44
1/26	45	464	40
1/27	46	482	42
1/28	48	469	38
1/29	49	449	36
1/30	56	451	32
1/31	60	443	29
2/1	50	473	30
2/2	38	501	26
2/3	43	452	30
2/4	42	452	30
2/5	57	426	26
2/6	45	452	24
2/7	41	468	18
2/8	38	476	26
2/9	39	490	24
2/10	45	483	32
2/11	44	486	30
2/12	38	475	25
2/13	48	455	26
2/14	45	498	30
2/15	41	488	27
2/16	45	496	21
2/17	34	487	31
2/18	44	471	28

☐ ICU Beds Staffed and Immediately Available ▮ Other ICU Census ▮ COVID-Related ICU Census

Data are preliminary and subject to change; data from hospitals reporting directly to County of San Diego; includes cases and suspect patients for San Diego County residents and non-residents; current ICU bed capacity for beds on site; all data for non-federal hospitals in San Diego County. Prepared by County of San Diego, Emergency Operations Center, 2/23/2023

COVID-19 Hospitalization Census

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**COVID-19 Confirmed Hospitalized and ICU Patients,
30 Days
(1/20 – 2/18)**
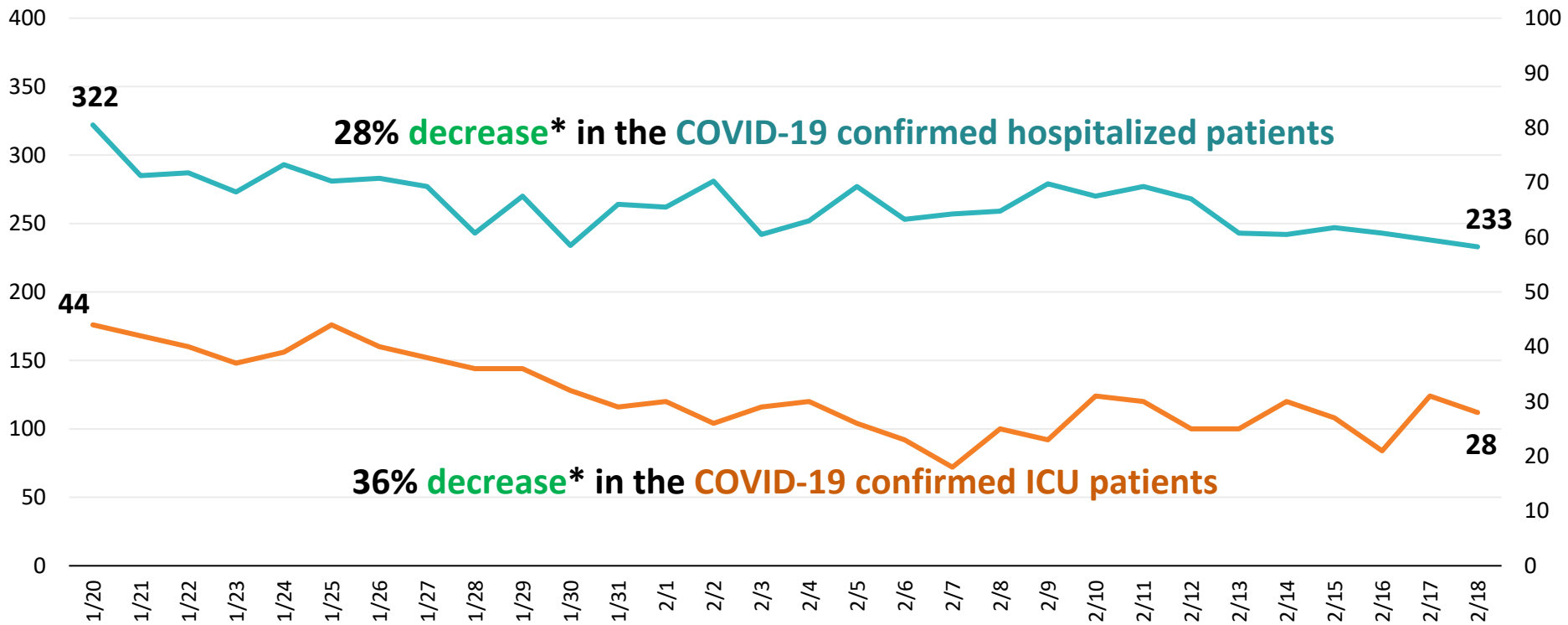
28% decrease* in the COVID-19 confirmed hospitalized patients

322

233

44

28

36% decrease* in the COVID-19 confirmed ICU patients

Data are preliminary and subject to change; data from hospitals reporting directly to County of San Diego; census for non-federal hospitals; includes both San Diego County residents and non-residents.
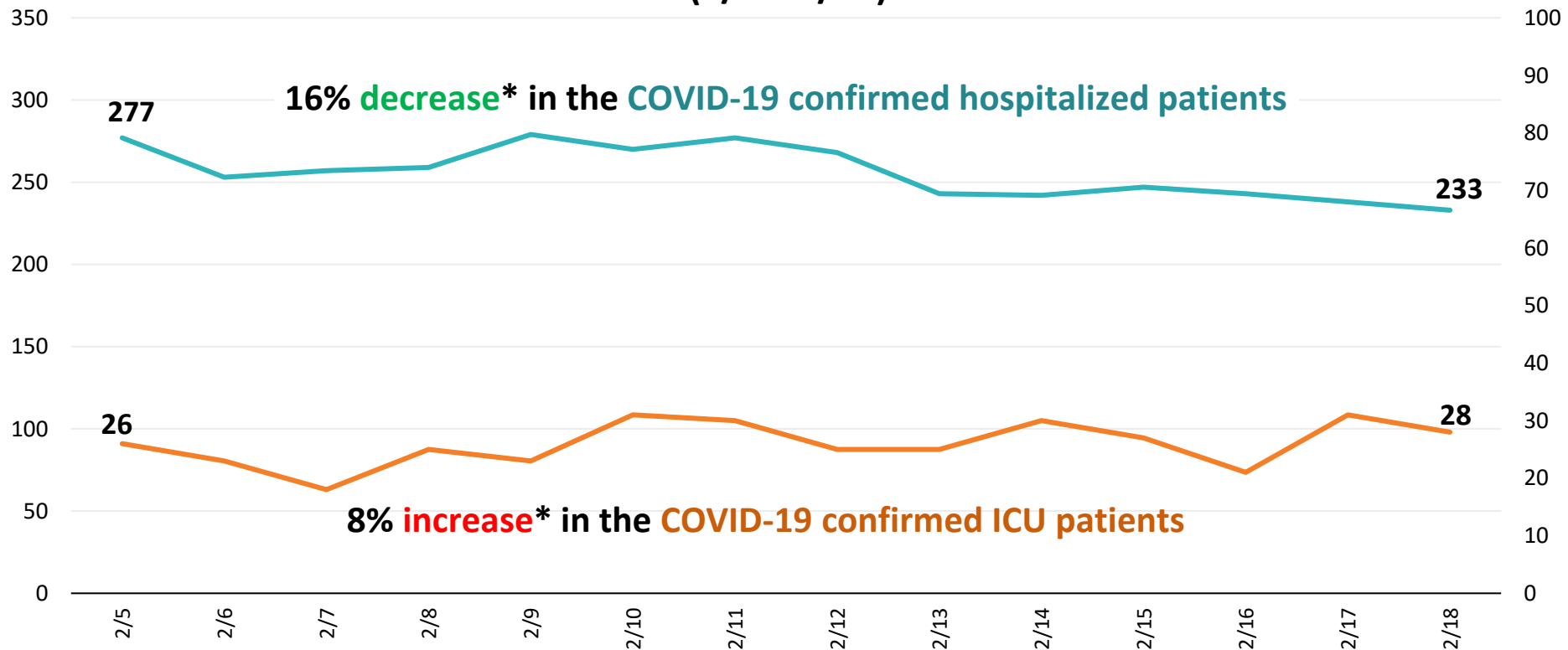
*Percent change compares absolute number of hospitalizations and ICU across a 30-day span.
Prepared by County of San Diego, Emergency Operations Center, 2/23/2023

COVID-19 Hospitalization Census

COVID-19 Confirmed Hospitalized and ICU Patients
14 Days
(2/5 – 2/18)

16% decrease* in the COVID-19 confirmed hospitalized patients

277

233

26

8% increase* in the COVID-19 confirmed ICU patients

28

Data are preliminary and subject to change; data from hospitals reporting directly to County of San Diego; census for non-federal hospitals; includes both San Diego County residents and non-residents.

*Percent change compares absolute number of hospitalizations and ICU across a 14-day span.
Prepared by County of San Diego, Emergency Operations Center, 2/23/2023

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COVID-19 Tests by Date Reported, % Positive

COVID-19 Testing Volume and Positivity by Week of Specimen Collection, San Diego County
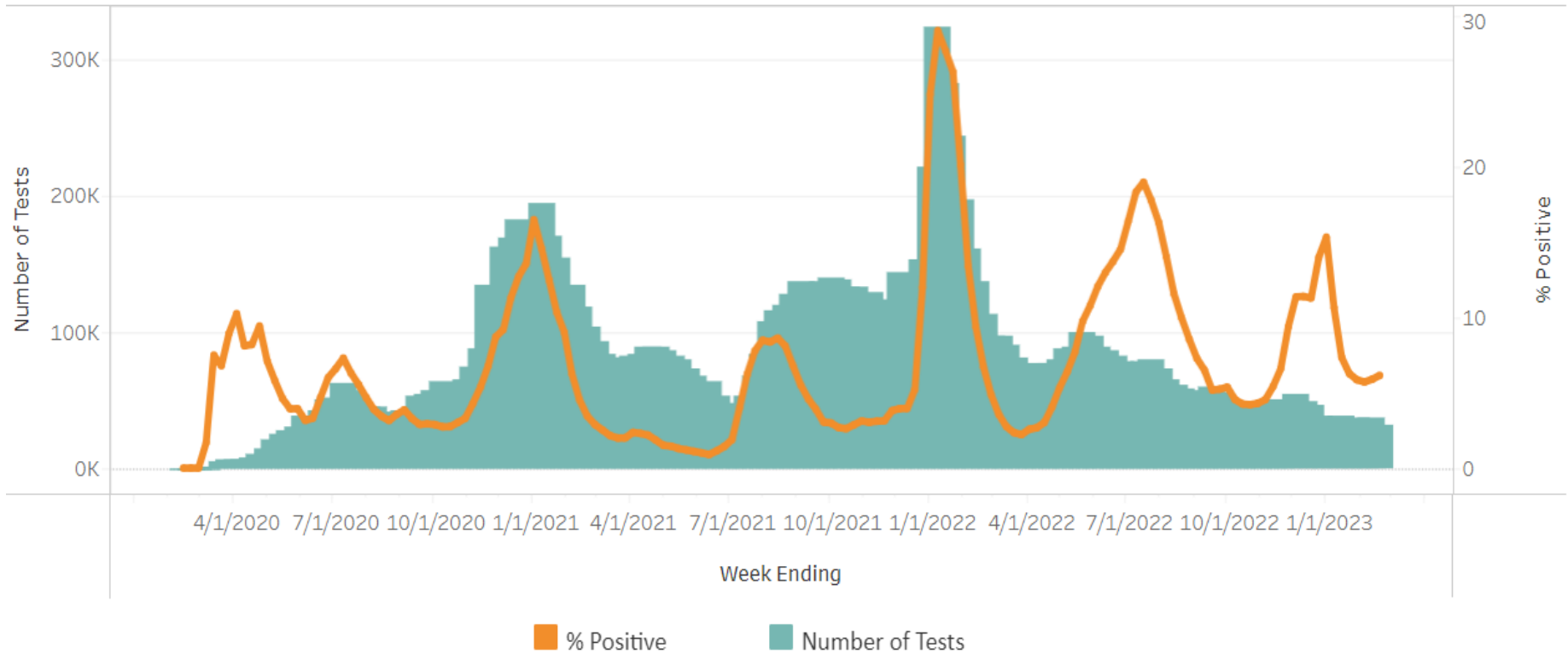
Data are preliminary and subject to change.

Total molecular tests since February 14, 2020, including non-residents who tested in San Diego County. Molecular tests are polymerase chain reaction (PCR) and other nucleic acid amplification tests (NAAT). Graph includes molecular tests performed by COSD Public Health Laboratory, hospital, and commercial laboratories and reported via Electronic Laboratory Reporting (ELR) and line lists, and excludes invalid, indeterminate, and unsatisfactory results.

Data Through 2/18/2023, Updated 2/23/2023.

COVID 19 Laboratory Test Positivity (sandiegocounty.gov)

COVID-19 Cases by Episode Date

COVID-19 Confirmed Cases by Episode Date** - Daily Counts
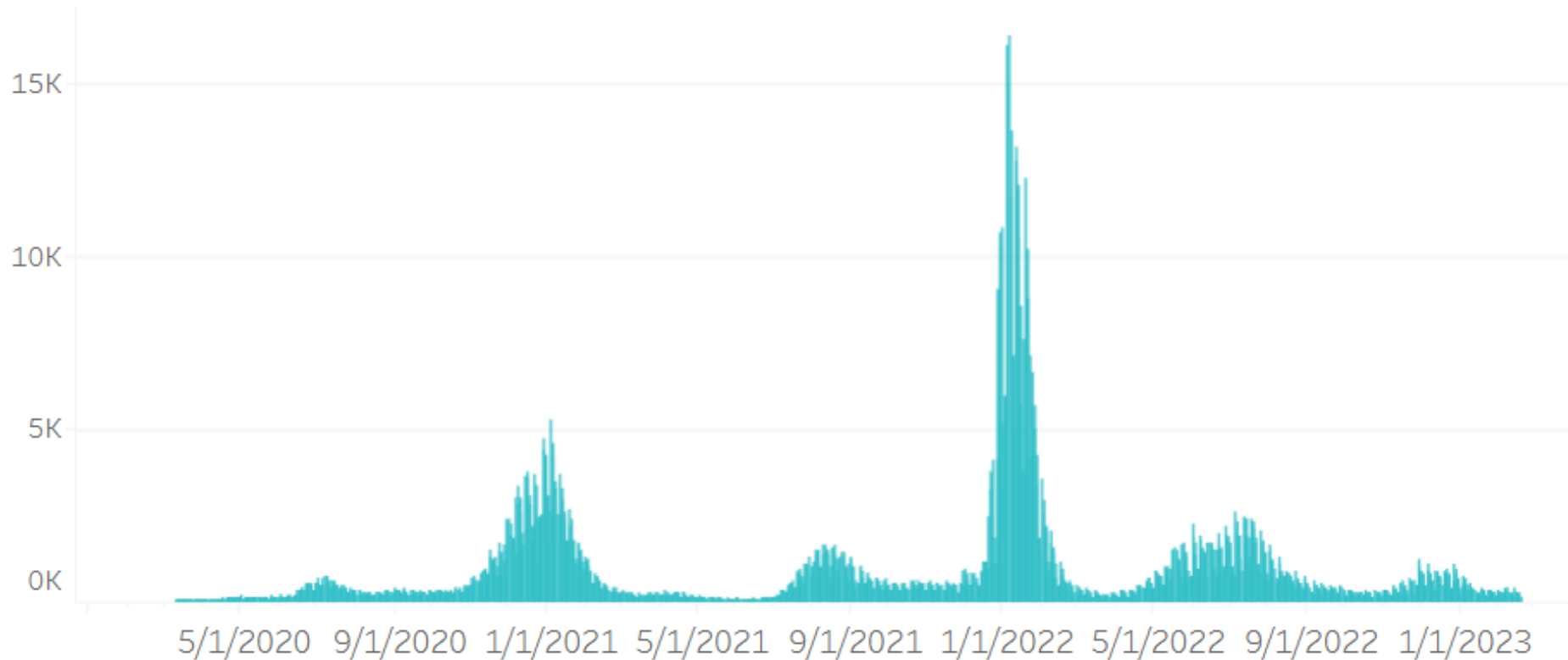
Data are preliminary and subject to change.

**Episode date is the earliest of the following available dates: symptom onset date, specimen collection date, date of death, date reported

Data for the most recent week may be incomplete

Data through 2/18/2023. Updated 2/23/2023.

COVID-19 Cases, Hospitalizations, and Deaths by Demographics (sandiegocounty.gov)

Emergency Department Data

**Percent of Emergency Department Visit Chief Complaints for
Influenza-like Illness (ILI) or COVID-like Illness (CLI)
by Day, San Diego County**

Legend: 7-day Average: Influenza-like Illness % — 7-day Average: COVID-like Illness %
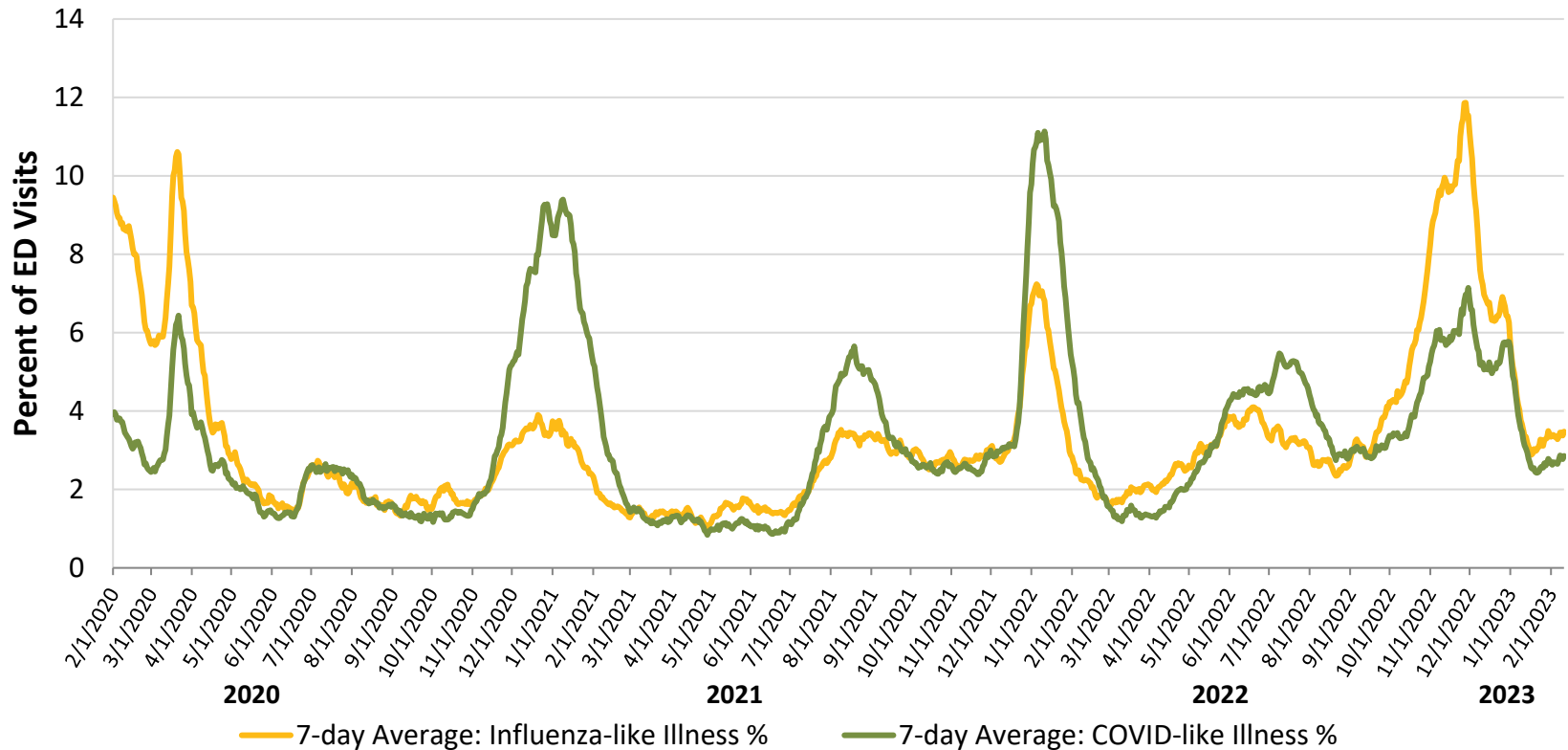
Categories are not mutually exclusive. COVID-like Illness includes fever and cough, shortness of breath, or difficulty breathing OR coronavirus diagnostic codes. 16 San Diego County hospitals are included.

Prepared by County of San Diego, Health and Human Services Agency, Public Health Services, Epidemiology and Immunization Services Branch, 2/21/2023