County of San Diego

COVID-19 Weekly Update

12/29/2022
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 12/24/2022, updated 12/29/2022.
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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Confirmed COVID-19 Cases by Date of Episode Date*  
San Diego County Residents, N = 962,312

- **February 14**: Declared local health emergency and local emergency
- **March 13-18**: Local Restrictions Imposed
- **March 19**: California Stay-at-Home Order
- **March 29 – April 4**: San Diego orders renewed indefinitely, local face covering mandate, cruise ships restricted
- **April 7**: 1 million SD residents fully vaccinated
- **April 28**: EUA for Pfizer primary series 5-11 year old's
- **May 8**: San Diego County in Purple Tier
- **June 12**: Gyms, hotels, bars, and other businesses open
- **June 13**: Regional Stay-at-Home Order (RSAHO)
- **June 15**: California moved beyond the Blueprint
- **June 17**: FDA expands primary series eligibility to 6 months and older
- **June 19**: First Omicron variant case identified
- **June 29**: Second booster dose for select groups authorized
- **July 13**: Indoor operations for certain sectors closed
- **July 30**: 2 million SD residents fully vaccinated
- **August 2**: 2 million SD residents fully vaccinated
- **August 31**: SD residents fully vaccinated
- **September 8**: California moved beyond the Blueprint
- **October 9**: First shipments of vaccine arrive in San Diego
- **October 29**: EUA for Pfizer primary series
- **November 6**: San Diego County in Red Tier
- **November 10**: San Diego County in Purple Tier
- **November 12**: First Omicron case identified
- **November 11**: FDA expands booster eligibility for 18+ year old's
- **December 2**: First shipments of vaccine arrive in San Diego
- **December 6**: Regional Stay-at-Home Order (RSAHO) Lifted
- **December 9**: FDA expands booster eligibility for 16-17 year old's
- **December 10**: San Diego County in Orange Tier
- **December 13**: First shipments of vaccine arrive in San Diego
- **December 17**: First shipments of vaccine arrive in San Diego
- **December 18**: FDA expands booster eligibility for 18+ year old's
- **December 21**: FDA expands booster eligibility for 18+ year old's
- **December 29**: First Omicron case identified
- **January 3**: First shipments of vaccine arrive in San Diego
- **January 3**: FDA expands booster eligibility for 12+ year old's
- **January 7**: FDA expands booster eligibility for 12+ year old's
- **January 9**: FDA expands booster eligibility for 12+ year old's
- **January 15**: FDA expands booster eligibility for 12+ year old's
- **January 25**: San Diego County in Red Tier
- **February 14**: Declared local health emergency and local emergency
- **February 21**: Local Restrictions Imposed
- **February 23**: California Stay-at-Home Order
- **February 28**: Second booster dose for select groups authorized
- **March 2**: Second booster dose for select groups authorized
- **March 14**: Second booster dose for select groups authorized
- **March 17**: San Diego County in Red Tier
- **March 25**: First Omicron case identified
- **March 29**: FDA authorizes second booster dose for select groups
- **April 7**: 1 million SD residents fully vaccinated
- **April 28**: EUA for Pfizer primary series
- **May 8**: San Diego County in Purple Tier
- **May 15**: Second booster dose for select groups authorized
- **June 2**: Second booster dose for select groups authorized
- **June 17**: FDA expands booster eligibility for 18+ year old's
- **July 1**: Second booster dose for select groups authorized
- **July 9**: Second booster dose for select groups authorized
- **July 17**: Second booster dose for select groups authorized
- **August 1**: Second booster dose for select groups authorized
- **August 9**: Second booster dose for select groups authorized
- **August 17**: Second booster dose for select groups authorized
- **September 1**: Second booster dose for select groups authorized
- **September 9**: Second booster dose for select groups authorized
- **September 17**: Second booster dose for select groups authorized
- **October 1**: Second booster dose for select groups authorized
- **October 9**: Second booster dose for select groups authorized
- **October 17**: Second booster dose for select groups authorized
- **November 1**: Second booster dose for select groups authorized
- **November 9**: Second booster dose for select groups authorized
- **November 17**: Second booster dose for select groups authorized
- **December 1**: Second booster dose for select groups authorized
- **December 9**: First Omicron case identified
- **December 17**: First Omicron case identified

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, 12/29/2022.
COVID-19 Cases Among San Diego County Residents
New Cases by Date Reported*, Last 30 Days
(11/27 - 12/26)

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.

*Starting 7/1/2021, this is the actual number of new cases received the previous day. Some reported cases may later be removed from the total number of cumulative cases through routine quality assurance processes. The actual number of new cases reported and the change from the previous report may not be the same.

Prepared by County of San Diego, Emergency Operations Center, 12/29/2022.
## Metrics Beyond the Blueprint

<table>
<thead>
<tr>
<th>Date Updated</th>
<th>Dates of Interest for Analyses</th>
<th>Average Daily Case Rate per 100,000*</th>
<th>Testing Positivity Percentage</th>
<th>Health Equity Testing Positivity Percentage</th>
<th>Testing Rate per 100,000</th>
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</thead>
<tbody>
<tr>
<td>11/17/2022</td>
<td>10/30-11/5</td>
<td>8.0</td>
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<td>5.1%</td>
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<td>11/6-11/12</td>
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<td>9.3%</td>
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<tr>
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<td>11/27-12/3</td>
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<td>11.7%</td>
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<tr>
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<td>12/4-12/10</td>
<td>20.7</td>
<td>11.5%</td>
<td>11.8%</td>
<td>206.1</td>
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<tr>
<td>12/29/2022</td>
<td>12/11-12/17</td>
<td>19.6</td>
<td>11.4%</td>
<td>11.5%</td>
<td>192.7</td>
</tr>
</tbody>
</table>

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, 12/29/2022.
COVID-19 Confirmed Hospital Census

COVID-19 Confirmed Hospitalized Patients

8% increase in the 7-day average daily number of confirmed COVID-19 hospitalized patients compared to the prior 7 days

(12/22 – 12/28 compared to 12/15 – 12/21)

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, 12/29/2022
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

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, 12/29/2022
COVID-19 Hospital Census

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

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, 12/29/2022.
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

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, 12/29/2022
COVID-19 Hospitalization Census

COVID-19 Confirmed Hospitalized and ICU Patients, 30 Days (11/29 – 12/28)

53% increase* in the COVID-19 confirmed hospitalized patients

60% increase* 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, 12/29/2022
COVID-19 Confirmed Hospitalized and ICU Patients

14 Days
(12/15 – 12/28)

23% increase* in the COVID-19 confirmed hospitalized patients

9% 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 14-day span.

Prepared by County of San Diego, Emergency Operations Center, 12/29/2022
COVID-19 Tests by Date Reported, % Positive

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 12/24/2022, Updated 12/29/2022.
COVID 19 Laboratory Test Positivity (sandiegocounty.gov)
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


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

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, 12/27/2022