County of San Diego

COVID-19 Weekly Update

9/15/2022
According to CDC, several factors likely affect crude case rates by vaccination and booster dose status, making interpretation of recent trends difficult.

*Not fully vaccinated includes individuals with one dose of the two-dose series, no doses, or unknown vaccination status. Individuals who are not yet eligible for the vaccine are also included.

**Cases who first tested positive (based on specimen collection date) greater than or equal to 14 days after receiving the final dose of COVID-19 vaccine.

***If case did not have symptoms or illness onset date is unavailable, the earliest of specimen collection date, date of death, or date reported is used instead.

‡ Cases who first tested positive (based on specimen collection date) greater than or equal to 14 days after receiving a booster dose of COVID-19 vaccine at least 2 months after a J&J vaccine or 5 months after a Pfizer or Moderna vaccine series. 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 9/10/2022, updated 9/15/2022.
According to the 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. Starting 3/2/2022, data used is from persons 12 years of age and older instead of all ages.

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## COVID-19 Deaths by Vaccination Status

### Average Daily Deaths per Million People 12 Years and Older

(28-day average with 21-day lag: 7/24/2022 – 8/20/2022)

<table>
<thead>
<tr>
<th>Vaccination Status</th>
<th>Deaths per Million People 12+ Years</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not Fully Vaccinated*</td>
<td>1.08</td>
</tr>
<tr>
<td>Fully Vaccinated**</td>
<td>0.55</td>
</tr>
<tr>
<td>Fully Vaccinated + Booster***</td>
<td>0.43</td>
</tr>
</tbody>
</table>

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**Cases who first tested positive (based on specimen collection date) greater than or equal to 14 days after receiving the final dose of COVID-19 vaccine.

***Cases who first tested positive (based on specimen collection date) greater than or equal to 14 days after receiving a booster dose of COVID-19 vaccine at least 2 months after a J&J vaccine or 5 months after a Pfizer or Moderna vaccine series.

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 9/10/2022, updated 9/15/2022.
Known Variant Cases Among San Diego County Residents

### Summary of Cases, Hospitalizations, and Deaths for Top 10 Variants Reported in Previous 12 weeks

**Specimen Collection Date: 6/22/22 – 9/2/22**

<table>
<thead>
<tr>
<th>Variant</th>
<th>WHO Label</th>
<th>Total Confirmed† Cases</th>
<th>Hospitalizations</th>
<th>Deaths</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA.2.12.1</td>
<td>Omicron</td>
<td>489</td>
<td>3</td>
<td>0</td>
</tr>
<tr>
<td>BA.4</td>
<td>Omicron</td>
<td>146</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>BA.4.1</td>
<td>Omicron</td>
<td>262</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>BA.5</td>
<td>Omicron</td>
<td>356</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>BA.5.1</td>
<td>Omicron</td>
<td>588</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>BA.5.2</td>
<td>Omicron</td>
<td>526</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>BA.5.2.1</td>
<td>Omicron</td>
<td>1,359</td>
<td>5</td>
<td>0</td>
</tr>
<tr>
<td>BA.5.5</td>
<td>Omicron</td>
<td>344</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>BA.5.6</td>
<td>Omicron</td>
<td>339</td>
<td>4</td>
<td>0</td>
</tr>
<tr>
<td>BE.1</td>
<td>Omicron</td>
<td>101</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Other Omicron</td>
<td>Omicron</td>
<td>912</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

†Confirmed cases are based on whole genome sequencing (WGS) results, which are not available until approximately 2-4 weeks after initial testing. These results do not represent all variant cases in San Diego County. Not all confirmed case samples are sequenced and not all sequencing results are immediately available to Public Health Services. Case counts will be updated as sequencing results become available. See CDC variant website for more information about variants, including classifications and definitions. Source: San Diego County Communicable Disease Registry.

For more information, see the Summary of Variant Cases report. Data through 9/14/2022. Updated 9/15/2022.
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 = 918,279

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, 9/15/2022.
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, 9/15/2022.
# 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>
</tr>
</thead>
<tbody>
<tr>
<td>8/4/2022</td>
<td>7/17-7/23</td>
<td>51.1</td>
<td>18.0%</td>
<td>21.1%</td>
<td>322.8</td>
</tr>
<tr>
<td>8/11/2022</td>
<td>7/24-7/30</td>
<td>41.9</td>
<td>16.5%</td>
<td>19.1%</td>
<td>293.7</td>
</tr>
<tr>
<td>8/18/2022</td>
<td>7/31-8/6</td>
<td>32.0</td>
<td>14.2%</td>
<td>15.8%</td>
<td>261.5</td>
</tr>
<tr>
<td>8/25/2022</td>
<td>8/7-8/13</td>
<td>24.9</td>
<td>11.7%</td>
<td>13.2%</td>
<td>245.7</td>
</tr>
<tr>
<td>9/1/2022</td>
<td>8/14-8/20</td>
<td>20.3</td>
<td>10.1%</td>
<td>11.3%</td>
<td>232.2</td>
</tr>
<tr>
<td>9/8/2022</td>
<td>8/21-8/27</td>
<td>17.0</td>
<td>8.6%</td>
<td>8.9%</td>
<td>229.8</td>
</tr>
<tr>
<td>9/15/2022</td>
<td>8/28-9/3</td>
<td>14.1</td>
<td>7.4%</td>
<td>7.9%</td>
<td>232.0</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, 9/15/2022.
# California’s SMARTER Plan in San Diego

### Shots
- Vaccine Administration
- Capacity to administer **vaccines** on top of existing pharmacy/provider infrastructure.

### Masks
- PPE Distribution
- Maintain an ample stockpile of **high quality masks** and distribute them, as needed.

### Awareness
- Communication & Education
- Maintain **capability to promote** mitigation strategies, in partnership with community.

### Readiness
- Surveillance & Surge Staffing
- Maintain wastewater surveillance and whole genome sequencing and ability to quickly increase staffing capacity during a surge.

### Testing
- Equitable Access for Everyone
- Maintain local public health capacity to support regional need (PCR & antigen).

### Education
- Keep Schools Safe & Open
- Expand State-supported vaccination sites at schools and follow State guidance.

### Rx
- Therapeutics/Treatment
- Maximize order of effective therapeutics and ensure prompt allocations.

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California’s SMARTER Plan: [SMARTER Plan - Coronavirus COVID-19 Response (ca.gov)](https://www.ca.gov)
COVID-19 Confirmed Hospital Census

COVID-19 Confirmed Hospitalized Patients
12% decrease in the 7-day average daily number of confirmed COVID-19 hospitalized patients compared to the prior 7 days
(9/8 – 9/14 compared to 9/1 – 9/7)

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, 9/15/2022
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, 9/15/2022.
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, 9/15/2022
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, 9/15/2022
COVID-19 Confirmed Hospitalized and ICU Patients

30 Days
(8/16 – 9/14)

33% decrease in COVID-19 confirmed hospitalized patients over 30 days

24% decrease in COVID-19 confirmed ICU patients over 30 days

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.

Prepared by County of San Diego, Emergency Operations Center, 9/15/2022
COVID-19 Hospitalization Census

COVID-19 Confirmed Hospitalized and ICU Patients
14 Days
(9/1– 9/14)

22% decrease in COVID-19 confirmed hospitalized patients over 14 days

13% increase in COVID-19 confirmed ICU patients over 14 days

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.
Prepared by County of San Diego, Emergency Operations Center, 9/15/2022.
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 9/10/2022, Updated 9/15/2022.
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)
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, 9/12/2022