COVID-19 Cases by Onset* Week

Figure 1. COVID-19 Cases by Week of Illness Onset*
San Diego County Residents, N=29,883

*When onset date is unavailable, specimen collection date, date of death, or date reported is used instead.
Summary of San Diego County COVID-19 Cases and Deaths

<table>
<thead>
<tr>
<th>Confirmed cases</th>
<th>Deaths</th>
</tr>
</thead>
<tbody>
<tr>
<td>29,883</td>
<td>565</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hospitalizations</th>
<th>Underlying Conditions</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,577 (9%)</td>
<td>539 (95%)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Illness onset date range*</th>
<th>Death date range</th>
</tr>
</thead>
<tbody>
<tr>
<td>2/14/2020-8/1/2020</td>
<td>3/21/2020-7/31/2020</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Median age</th>
<th>Median age</th>
</tr>
</thead>
<tbody>
<tr>
<td>36 years</td>
<td>78 years</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Age range</th>
<th>Rate per 100,000 population</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-102 years</td>
<td>Cases</td>
</tr>
<tr>
<td>23-101 years</td>
<td>Rate per 100,000 population</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Male</th>
<th>Female</th>
<th>Healthcare workers</th>
</tr>
</thead>
<tbody>
<tr>
<td>14,459 (49%)</td>
<td>15,316 (51%)</td>
<td>2,387 (8%)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Illness onset date range*</th>
<th>Death date range</th>
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<td>3/21/2020-7/31/2020</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Male</th>
<th>Female</th>
</tr>
</thead>
<tbody>
<tr>
<td>319 (56%)</td>
<td>246 (44%)</td>
</tr>
</tbody>
</table>

*When onset date is unavailable, specimen collection date, date of death, or date reported is used instead.

Note: percentage hospitalized and healthcare workers are calculated based on the total number of cases; information may be unknown in some cases.

Summary of Non-County Resident COVID-19 Cases

<table>
<thead>
<tr>
<th>Confirmed cases</th>
<th>Hospitalizations</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,883</td>
<td>386 (13%)</td>
</tr>
</tbody>
</table>

Demographic Summary of COVID-19 Cases

Figure 2. COVID-19 Cases by Age Group
San Diego County Residents, N=29,883

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Demographic Summary of COVID-19 Cases (Continued)

Figure 3. COVID-19 Cases by Sex and Age Group
San Diego County Residents, N=29,883

Figure 4. COVID-19 Cases by Race/Ethnicity
San Diego County Residents, N=23,931*

*Race and ethnicity is unknown for 5,952 cases.
COVID-19 Cases and Hospitalizations by Age and Week

**Figure 5. COVID-19 Confirmed Cases by Age Group and Week of Illness Onset*, San Diego County Residents, N=29,883**

*When onset date is unavailable, specimen collection date, date of death, or date reported is used instead.

**Figure 6. COVID-19 Hospitalizations by Age Group and Week of Hospital Admission, San Diego County Residents, N=2,577***

*Admit date and age are unknown for some hospitalizations.*
COVID-19 Cases by Geography

Figure 7. COVID-19 Rates by Zip Code of Residence, San Diego County
(Countywide Rate = 892 per 100,000 Population)

Rates calculated using 2019 population estimates from the San Diego Association of Governments. Rates not calculated for counts under 5 cases or populations less than 10,000. Zip code is zip code of residence, which may not be location of exposure. Case counts and rates for each zip code are updated routinely on the County of San Diego COVID-19 website.
## Summary of COVID-19-associated Deaths

**Figure 8. COVID-19 Deaths by Week of Death**
San Diego County Residents, N=565

Deaths that occurred during this time may not yet be registered

**Figure 9. COVID-19 Cases and Case Fatality Rate**
San Diego County Residents

Cases | Case Fatality Rate
--- | ---
0-9 | 0%
10-19 | 0%
20-29 | 0%
30-39 | 0%
40-49 | 0%
50-59 | 0%
60-69 | 0%
70-79 | 0%
80+ | 0%

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Page 6
Summary of COVID-19-associated Deaths (continued)

Figure 10. Common Underlying Conditions, COVID-associated Deaths

- Hypertension: 51%
- Diabetes: 34%
- Cardiac Disease: 32%
- Dementia/Alzheimer's: 27%
- Chronic Kidney Disease: 18%
- COPD/Asthma: 13%
- Obesity: 7%
- Immunocompromised: 5%
- No Underlying Condition: 5%

Persons may have more than one underlying condition. These data are abstracted from death certificates and available medical records and may not reflect a complete list of underlying conditions for each person.

COVID-19 Laboratory Test Positivity Rate

Figure 11. COVID-19 Testing Volume and Positivity by Week of Specimen Collection, San Diego County

In Figure 11, the blue bars represent the total number of tests performed, while the orange line indicates the percentage of tests that were positive. The diagram illustrates the trend in testing volume and positivity rate from March to August 2020. The data includes PCR tests performed by COSD Public Health, hospital, and reference laboratories and reported via Electronic Laboratory Reporting (ELR). Excludes invalid, indeterminate, and unsatisfactory results.

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Figure 12. Percent of Emergency Department Visit Chief Complaints for ILI, Respiratory Symptoms, Fever, or COVID-like Illness* by Week, San Diego County

Figure 13. Percent of Emergency Department Visit Chief Complaints for ILI, Respiratory Symptoms, Fever, or COVID-like Illness* by Week, San Diego County

Among Patients Age 60 Years or Older

Categories are not mutually exclusive. *COVID-like Illness includes fever and cough, shortness of breath, or difficulty breathing OR coronavirus diagnostic codes.
COVID-19 Watch Data Sources

The following sources of data are used to produce this report:

- **COVID-19 case reports**: Medical providers and laboratories report individual cases of PCR-confirmed COVID-19 via fax or electronic laboratory reporting (ELR) to the County of San Diego Epidemiology Unit.

- **COVID-19 deaths**: The County of San Diego requests that all deaths related to COVID-19 be reported for surveillance purposes. Medical facilities may report these deaths directly to the Epidemiology Unit or they may be identified by the Office of Vital Records through death certificate registration. The Epidemiology Unit compiles the data, and only reports deaths that can be verified by a death certificate.

- **Emergency Department Chief Complaint Data**: Electronic emergency department data are reported to the Epidemiology Unit daily. The number of respiratory chief complaints and the number of total emergency department visits are used to calculate percentages for all respiratory-related visits and visits specific to influenza-like illness, fever, and COVID.

- **COVID-19 outbreaks**:
  - Skilled Nursing Facilities: at least one case of laboratory-confirmed COVID-19 in a resident.
  - Non-SNF Institution/Congregate Settings: at least one case of laboratory-confirmed COVID-19 in the setting of ≥2 cases of acute illness compatible with COVID-19 in residents or staff members of residential congregate settings with onset within a 14-day period.
  - Community settings: three or more laboratory-confirmed COVID-19 cases in different households in a cluster of 2 or more acute illnesses compatible with COVID-19** with onset within a 14-day period.

- **SANDAG population estimates, vintage 2019**: Rates are calculated using 2019 population estimates from the San Diego Association of Governments. Rates are not calculated for counts under five cases.

The purpose of the weekly COVID-19 Watch is to summarize current COVID-19 surveillance in San Diego County. *Data are preliminary and may change due to delayed reporting and additional information obtained during investigations.*