# COVID-19 WATCH
## Weekly Coronavirus Disease 2019 (COVID-19) Surveillance Report

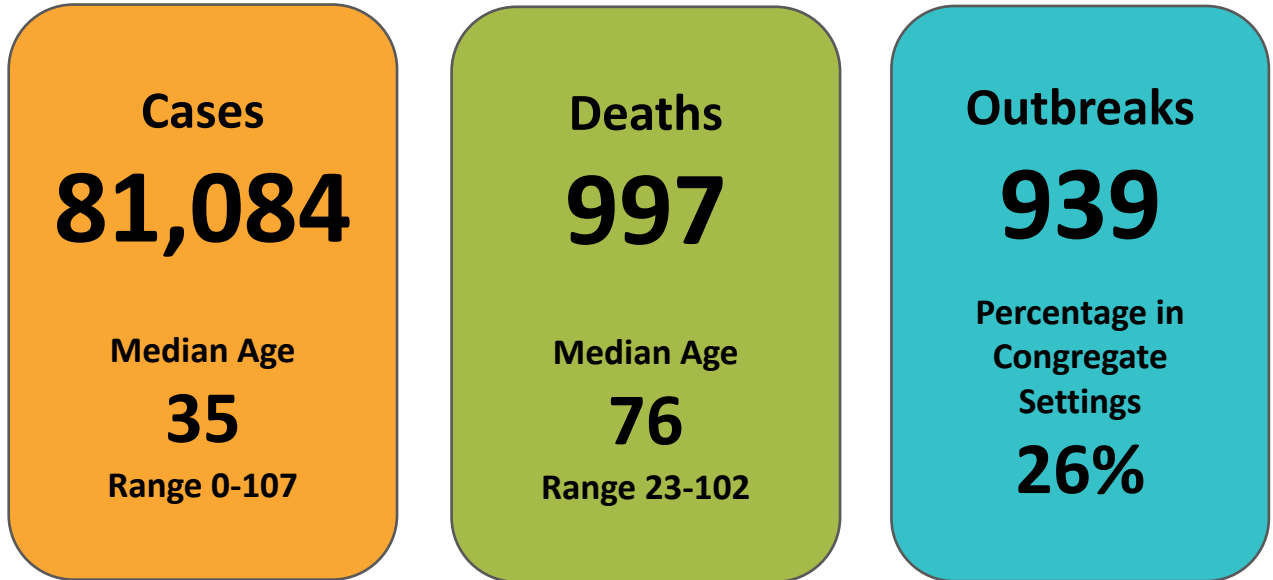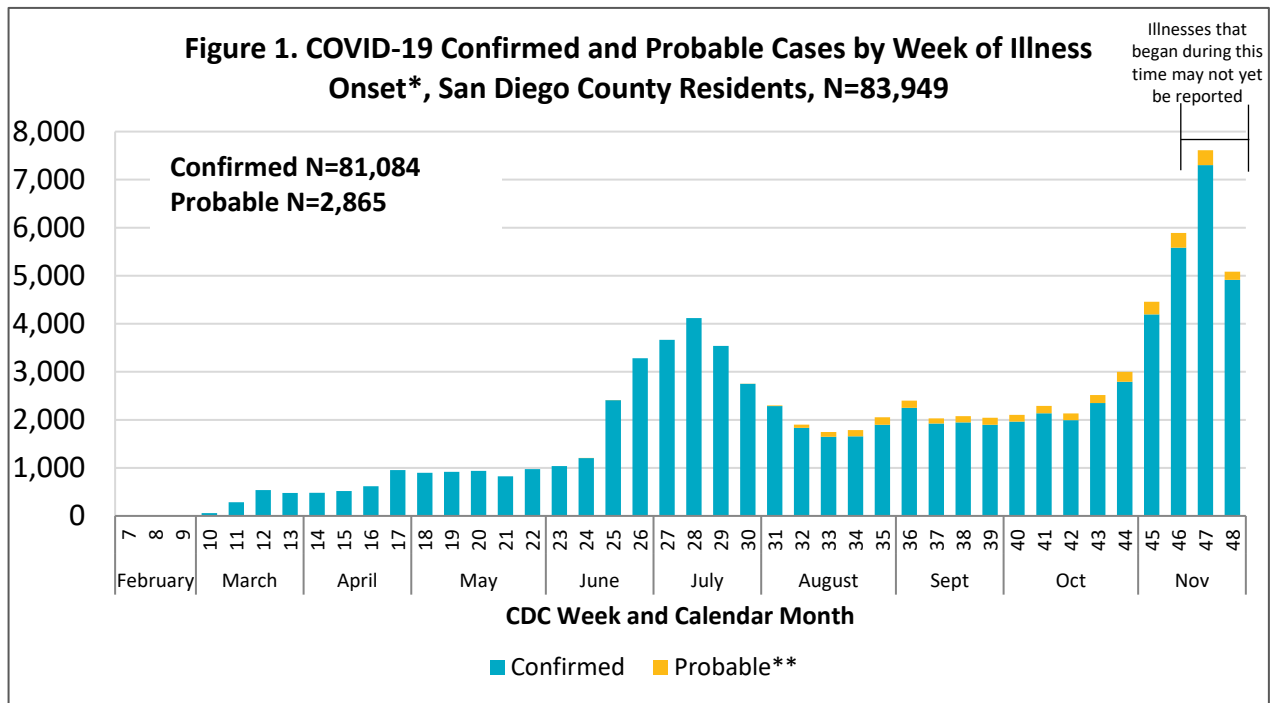COUNTY OF SAN DIEGO
**HHSA**
HEALTH AND HUMAN SERVICES AGENCY

LIVE WELL SAN DIEGO

December 1, 2020

Data through week ending 11/28/2020

## Summary of Confirmed COVID-19 Cases, San Diego County Residents

**Cases**

**81,084**

Median Age

**35**

Range 0-107

**Deaths**

**997**

Median Age

**76**

Range 23-102

**Outbreaks**

**939**

Percentage in Congregate Settings

**26%**

## COVID-19 Confirmed and Probable Cases by Onset* Week



Figure 1. COVID-19 Confirmed and Probable Cases by Week of Illness Onset*, San Diego County Residents, N=83,949

Confirmed N=81,084
Probable N=2,865

Illnesses that began during this time may not yet be reported

CDC Week and Calendar Month

■ Confirmed ■ Probable**

*When onset date is unavailable, specimen collection date, date of death, or date reported is used instead.
**Probable cases are antigen positive tests received since August 1, 2020.

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### Table 1. Confirmed COVID-19 Cases and Deaths

| Summary of San Diego County Confirmed COVID-19 Cases and Deaths | | | |
|---|---|---|---|
| **Confirmed cases** | 81,084 | **Deaths** | 997 |
| **Hospitalizations** | 4,603 (6%) | **Underlying Conditions** | 950 (95%) |
| **Illness onset date range\*** | 2/14/2020-11/28/2020 | **Death date range** | 3/21/2020-11/24/2020 |
| **Median age** | 35 years | **Median age** | 76 years |
| **Age range** | 0-107 years | **Age range** | 23-102 years |
| **Male** | 39,237 (49%) | **Male** | 579 (58%) |
| **Female** | 41,615 (51%) | **Female** | 418 (42%) |
| **Healthcare workers** | 5,587 (7%) | **Case Fatality Ratio** | 1.2% |
| Summary of Non-County Resident COVID-19 Cases | | | |
| **Confirmed cases** | 6,703 | **Hospitalizations** | 601 (9%) |

\*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.

## Demographic Summary of Confirmed COVID-19 Cases

**Figure 2. Confirmed COVID-19 Cases by Age Group**
**San Diego County Residents, N=81,084**

Cases    Rate per 100,000 population

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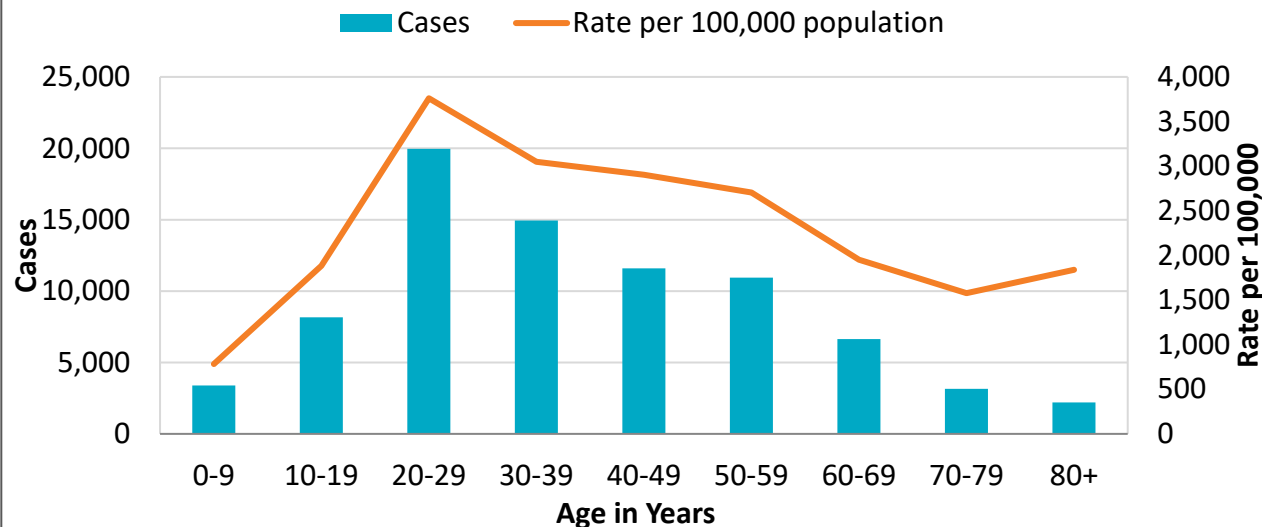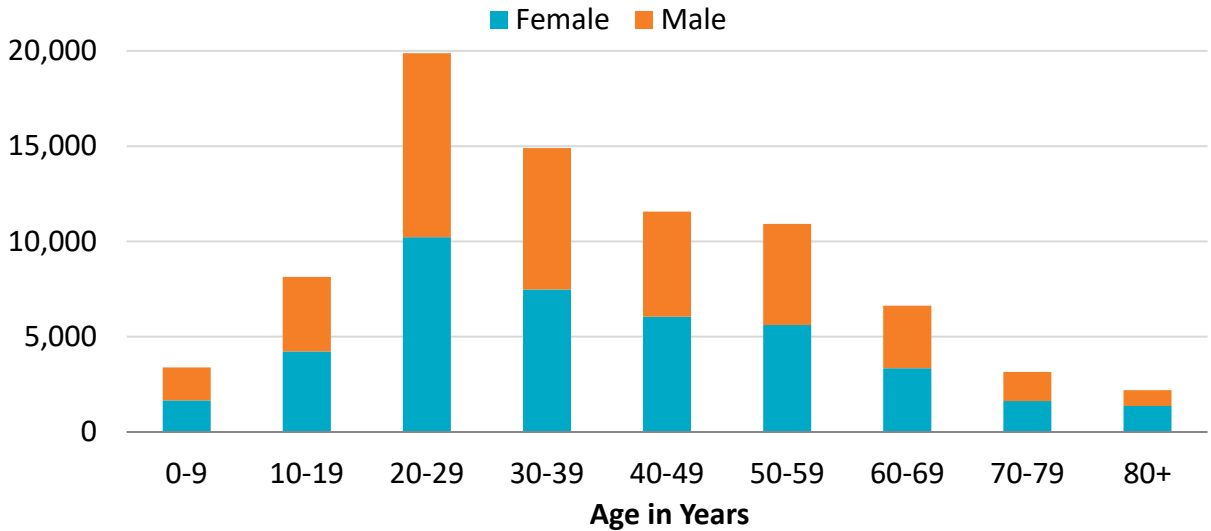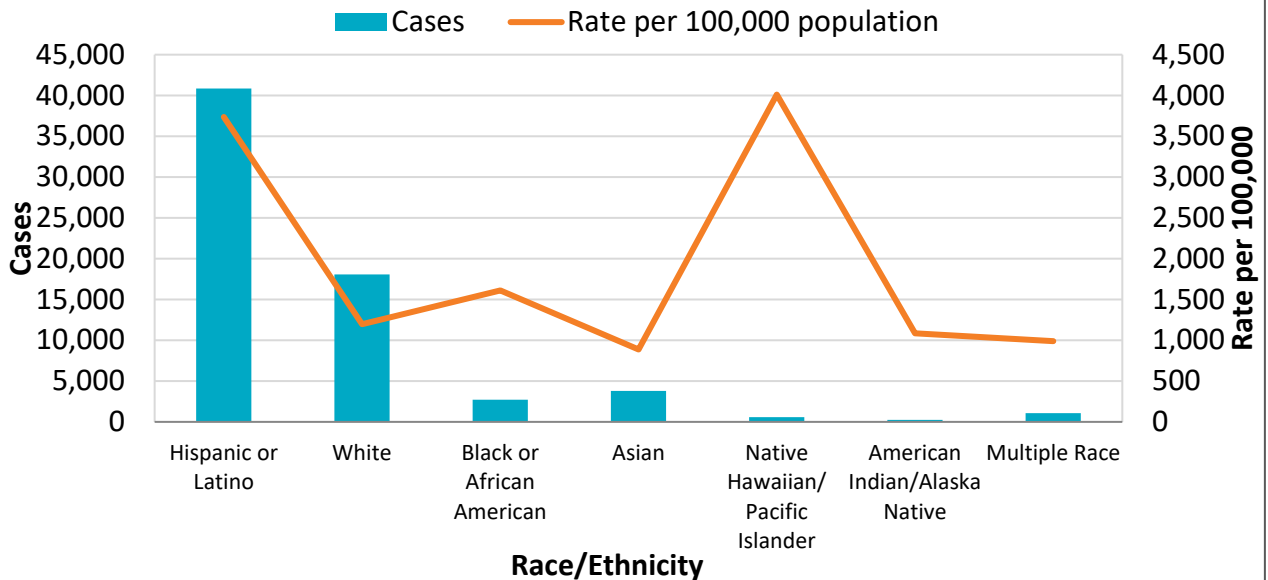
December 1, 2020        Data through week ending 11/28/2020

## Demographic Summary of Confirmed COVID-19 Cases (continued)



Figure 3. Confirmed COVID-19 Cases by Sex and Age Group
San Diego County Residents, N=81,084

■ Female ■ Male



Figure 4. Confirmed COVID-19 Cases by Race/Ethnicity
San Diego County Residents, N=67,282*

■ Cases    — Rate per 100,000 population

*Race and ethnicity is unknown for 13,802 cases.

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December 1, 2020                                    Data through week ending 11/28/2020

## COVID-19 Confirmed Case, Hospitalization, and Death Rates by Race/Ethnicity

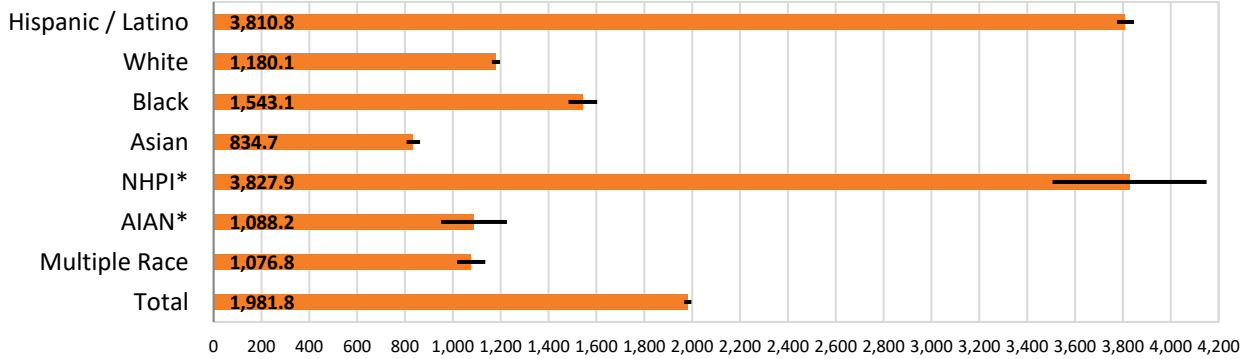### Figure 5. Age-Adjusted Rates of COVID-19 Cases by Race/Ethnicity, San Diego County Residents

| Race/Ethnicity | Rate |
|---|---|
| Hispanic / Latino | 3,810.8 |
| White | 1,180.1 |
| Black | 1,543.1 |
| Asian | 834.7 |
| NHPI* | 3,827.9 |
| AIAN* | 1,088.2 |
| Multiple Race | 1,076.8 |
| Total | 1,981.8 |

### Figure 6. Age-Adjusted Rates of COVID-19 Hospitalizations by Race/Ethnicity, San Diego County Residents

| Race/Ethnicity | Rate |
|---|---|
| Hispanic / Latino | 293.58 |
| White | 53.95 |
| Black | 145.68 |
| Asian | 64.29 |
| NHPI* | 269.32 |
| Multiple Race | 76.79 |
| Total | 120.92 |
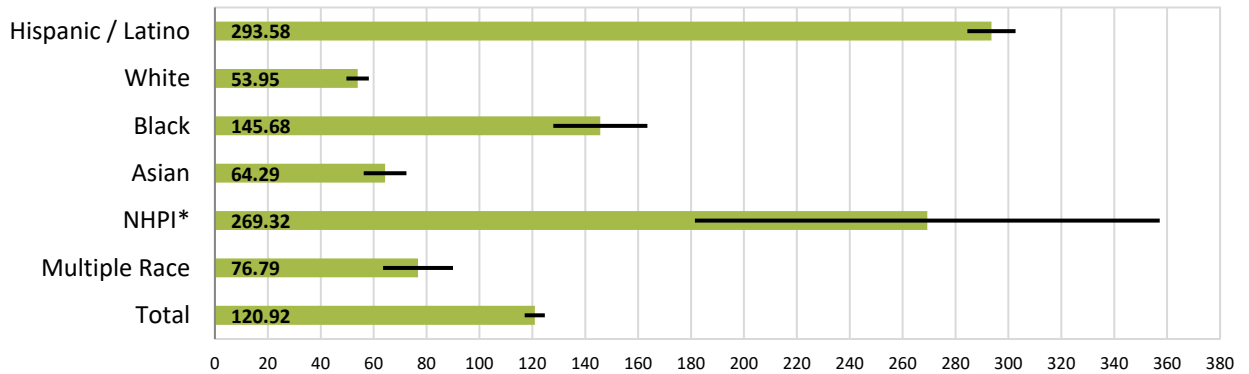
### Figure 7. Age-Adjusted Rates of COVID-19 Deaths by Race/Ethnicity, San Diego County Residents

| Race/Ethnicity | Rate |
|---|---|
| Hispanic / Latino | 65.61 |
| White | 15.09 |
| Black | 28.12 |
| Asian | 21.66 |
| Total | 27.14 |
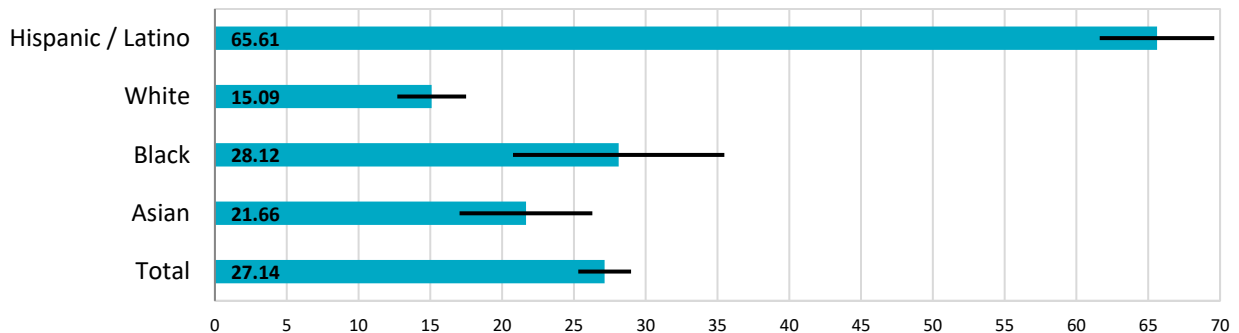
The black lines represent the 95% confidence intervals (error bars). Rates are not calculated for less than 20 events.
*NHPI=Native Hawaiian/Pacific Islander, AIAN=American Indian/Alaska Native.

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## Confirmed COVID-19 Cases by Age and Week

**Figure 8. COVID-19 Confirmed Cases by Age Group and Week of Illness Onset*, San Diego County Residents, N=81,084**

*Illnesses that began during this time may not yet be reported*
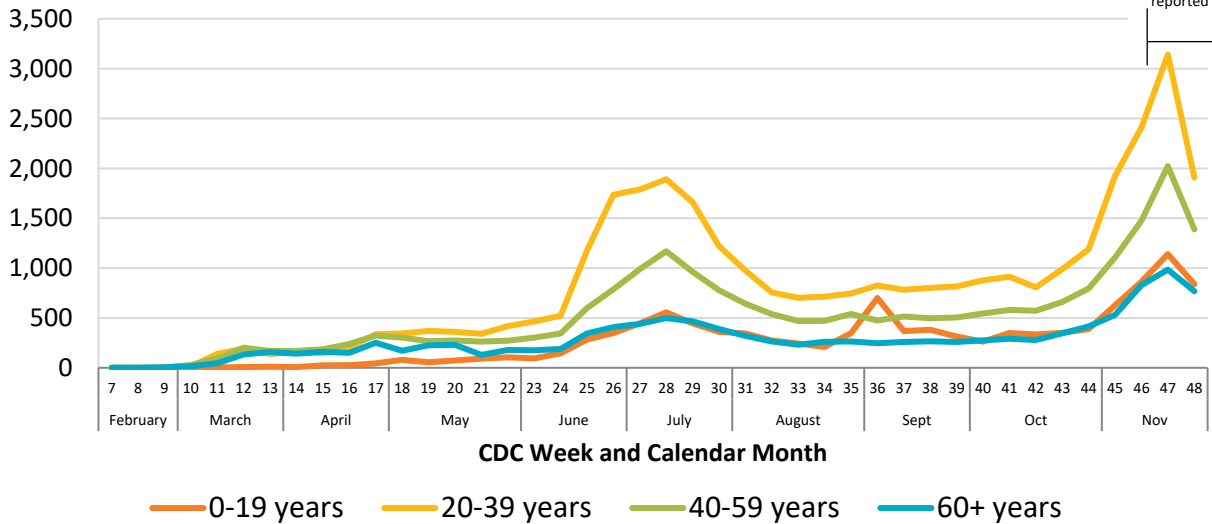


Legend: 0-19 years, 20-39 years, 40-59 years, 60+ years

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

**Figure 9. COVID-19 Confirmed Cases for Ages 0-18 Years by Week of Illness Onset*, San Diego County Residents, N=9,501**

*Illnesses that began during this time may not yet be reported*
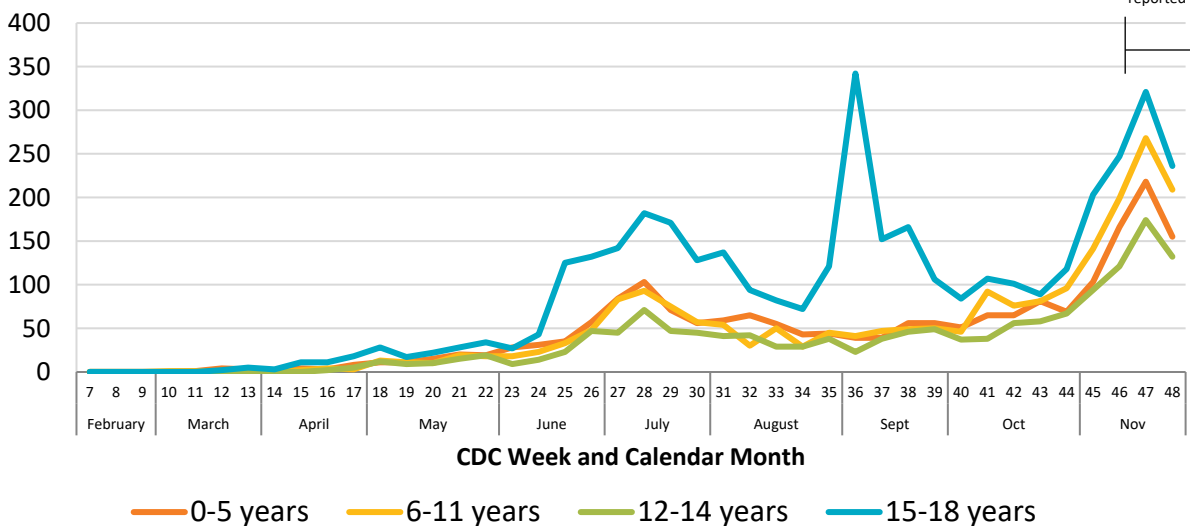


Legend: 0-5 years, 6-11 years, 12-14 years, 15-18 years

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

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## Confirmed COVID-19 Cases by Geography

### Figure 10. Cumulative COVID-19 Rates by Zip Code of Residence, San Diego County
### (Countywide Rate = 2,419 per 100,000 Population)
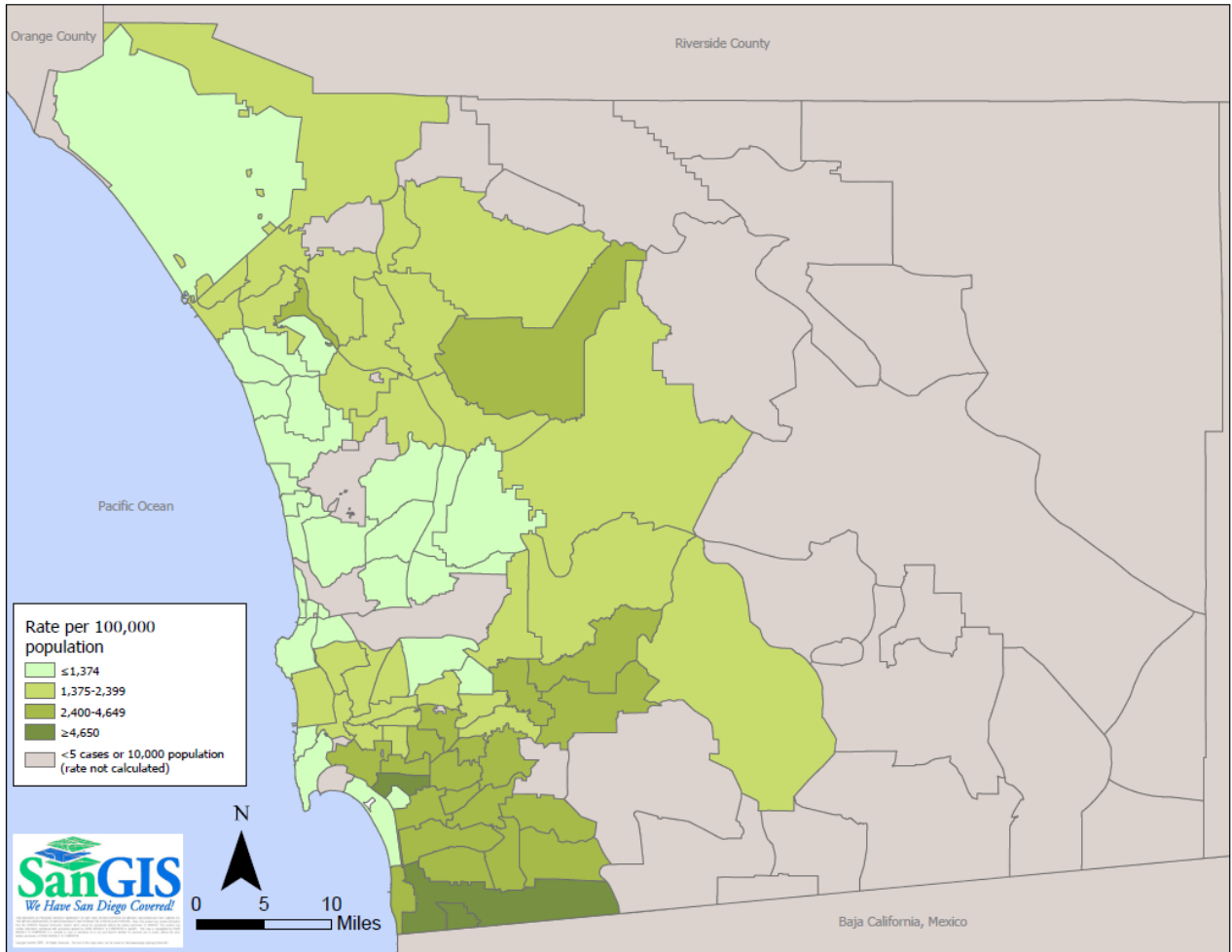


Rate per 100,000 population
- ≤1,374
- 1,375-2,399
- 2,400-4,649
- ≥4,650
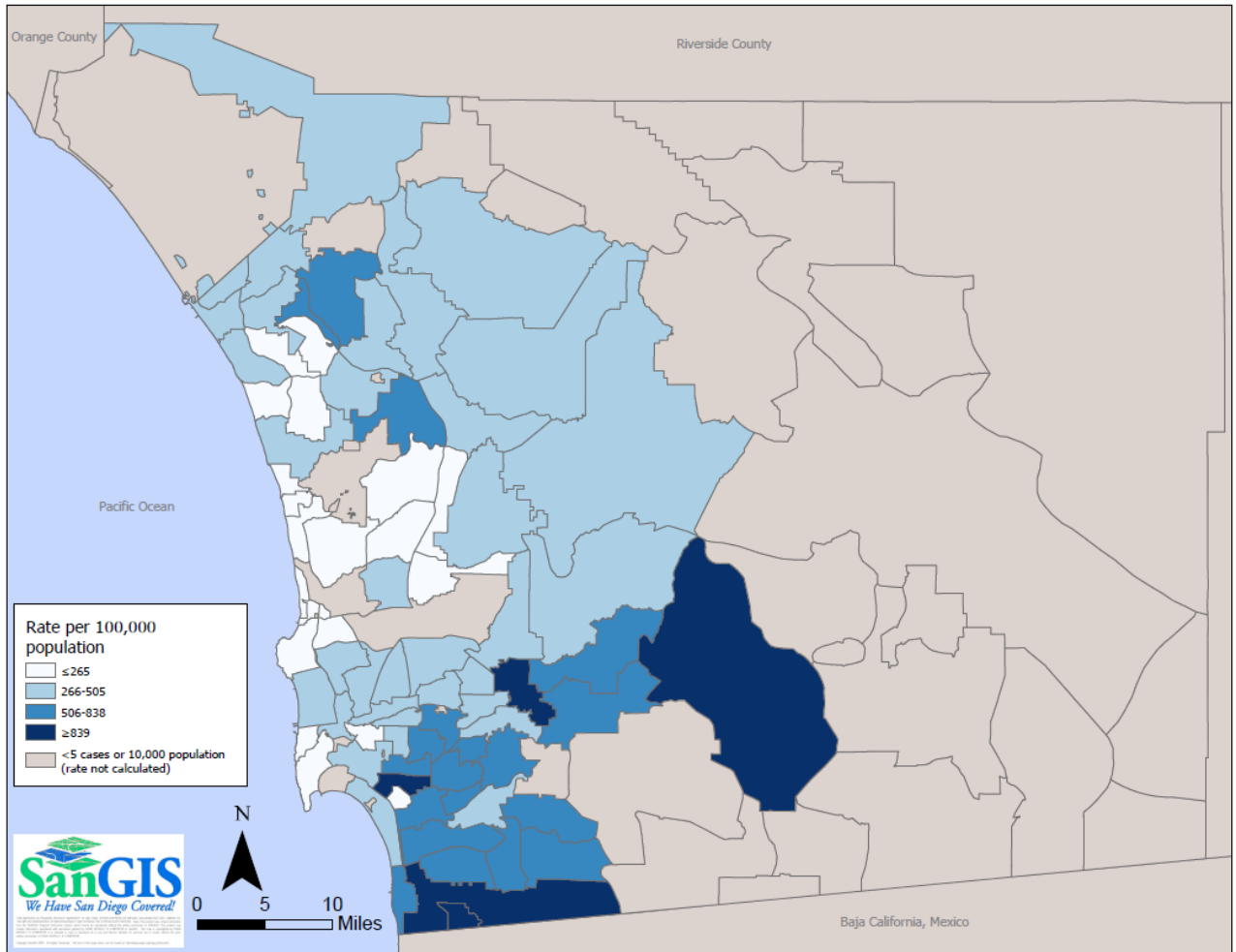- <5 cases or 10,000 population (rate not calculated)

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.

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## Confirmed COVID-19 Cases by Geography (continued)

### Figure 11. COVID-19 Rates by Zip Code of Residence, 11/15/2020-11/28/2020, San Diego County
### (Countywide Rate = 488 per 100,000 Population)



Rate per 100,000 population
- ≤265
- 266-505
- 506-838
- ≥839
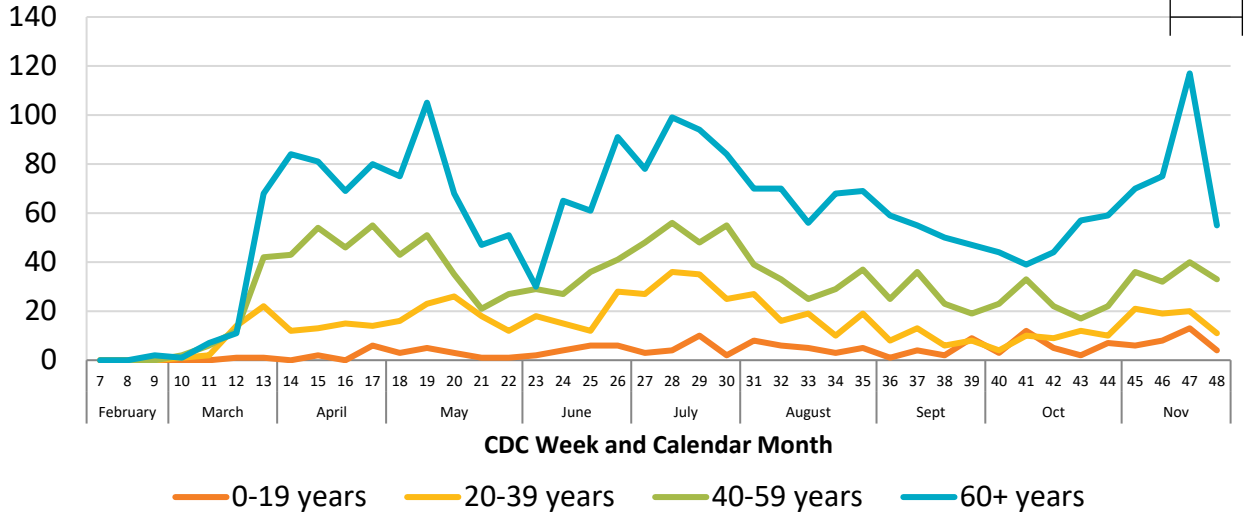- <5 cases or 10,000 population (rate not calculated)

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.

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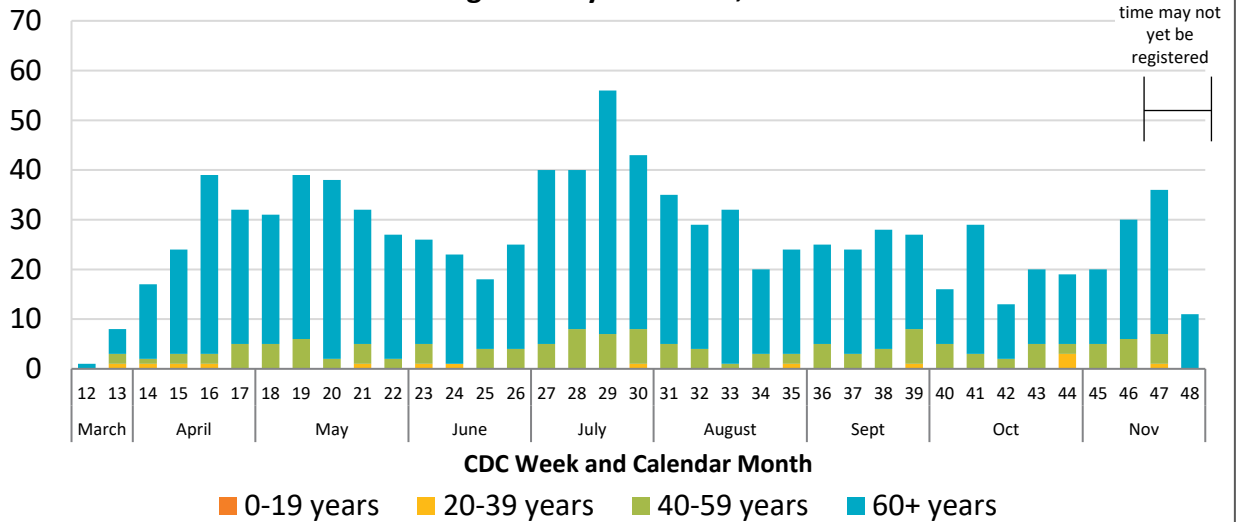
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## Confirmed COVID-19 Hospitalizations by Age and Week



Figure 12. COVID-19 Hospitalizations by Age Group and Week of Hospital Admission, San Diego County Residents, N=4,603*

Hospitalizations during this time may not yet be reported

Legend: 0-19 years, 20-39 years, 40-59 years, 60+ years

*Admit date and age are unknown for some hospitalizations.

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## Summary of COVID-19-associated Deaths



Figure 13. COVID-19 Deaths by Week of Death San Diego County Residents, N=997

Deaths that occurred during this time may not yet be registered

Legend: 0-19 years, 20-39 years, 40-59 years, 60+ years

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## Summary of COVID-19-associated Deaths (continued)

**Figure 14. Confirmed COVID-19 Cases and Case Fatality Rate**
**San Diego County Residents**
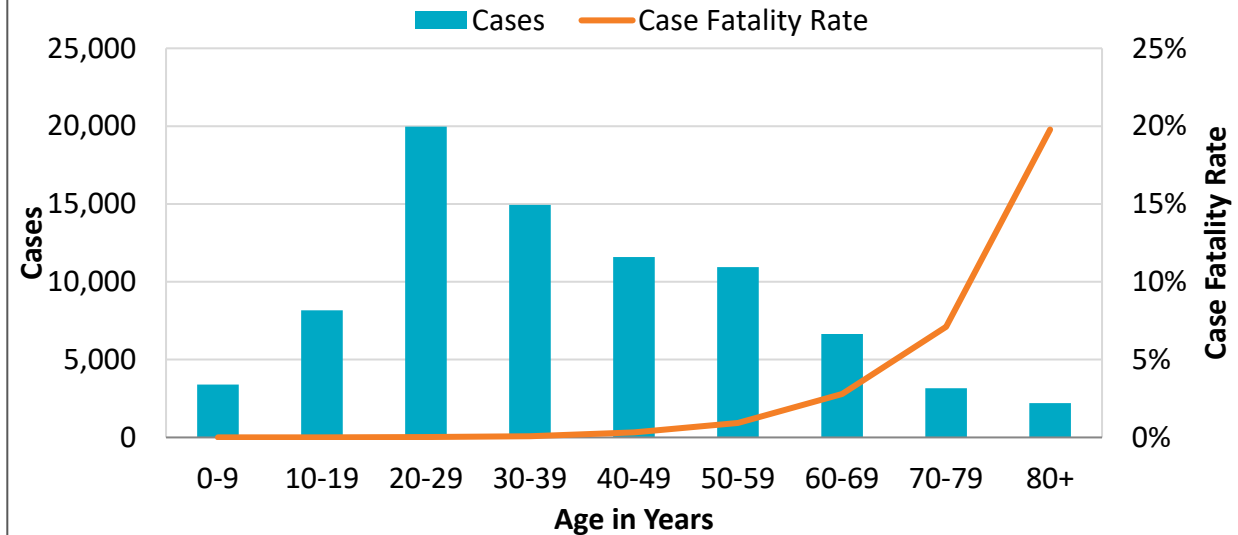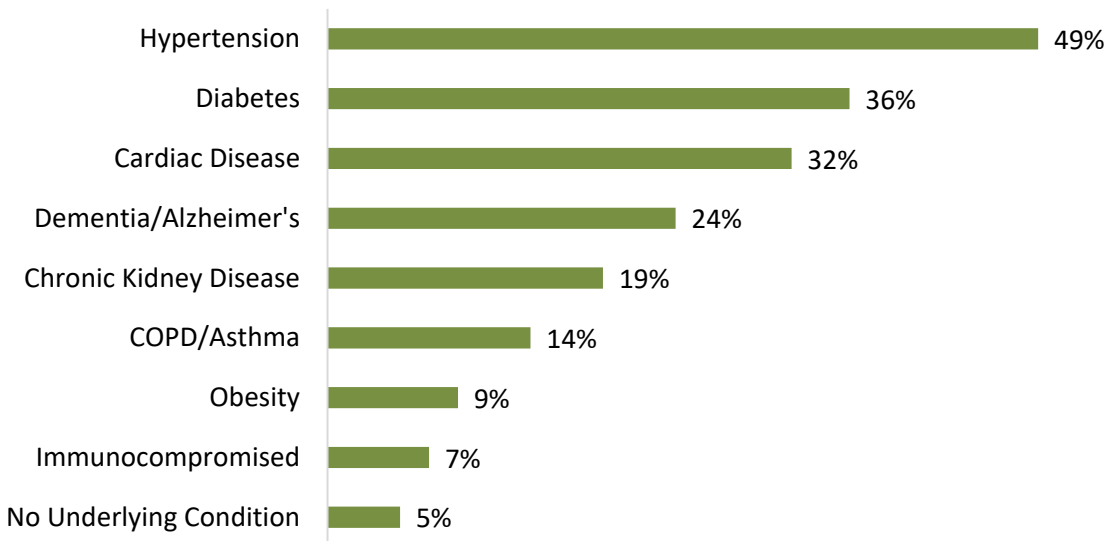**(All Age Case Fatality Rate=1.2%)**

Cases    Case Fatality Rate



**Figure 15. Common Underlying Conditions, COVID-associated Deaths**



| Condition | Percent |
|---|---|
| Hypertension | 49% |
| Diabetes | 36% |
| Cardiac Disease | 32% |
| Dementia/Alzheimer's | 24% |
| Chronic Kidney Disease | 19% |
| COPD/Asthma | 14% |
| Obesity | 9% |
| Immunocompromised | 7% |
| 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.

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## COVID-19 Potential Exposure Settings

### Table 2. COVID-19 Potential Exposure Settings, San Diego County Residents

- The number of persons reporting potential exposures in community settings is an indication of movement of persons during the 2-14 days prior to their onset of symptoms (or specimen collection if asymptomatic).
- Persons may be exposed in multiple settings, including in community exposure settings, in the household, in educational settings, and during travel.
- Persons may have potential exposures in more than one community, household, or other setting.
- Potential exposure in any of these settings does not indicate a confirmed source of infection.

| Confirmed COVID-19 Case Summary | Last 2 Weeks (11/15 – 11/28) | | Cumulative (6/5 – 11/28) | |
|---|---|---|---|---|
| Total Positive Cases | 16,339 | | 72,845 | |
| Number Interviewed | 9,443 | | 53,164 | |
| **Selected Exposures among those with Completed Interviews** | **Count** | **%** | **Count** | **%** |
| **Potential Community Exposure Settings[a]** | | | | |
| At least one potential community exposure setting[b] | 4,694 | 49.7% | 24,830 | 46.7% |
|    Bars and Restaurants | 1,026 | 10.9% | 5,077 | 9.5% |
|    Casinos | 117 | 1.2% | 496 | 0.9% |
|    Group Gatherings | 369 | 3.9% | 2,304 | 4.3% |
|    Gyms | 46 | 0.5% | 216 | 0.4% |
|    Hair Salons or Barbers | 249 | 2.6% | 1,331 | 2.5% |
|    Places of Worship | 281 | 3.0% | 1,093 | 2.1% |
|    Protests | 0 | 0.0% | 47 | 0.1% |
|    Retail locations | 955 | 10.1% | 4,754 | 8.9% |
|    Workplaces[c] | 3,483 | 36.9% | 17,291 | 32.5% |
| No potential community exposure setting reported | 4,749 | 50.3% | 28,334 | 53.3% |
| **Average number of community settings visited** | 1.5 | | 1.5 | |
| **Range of community settings visited** | 1-14 | | 1-24 | |
| **Household Exposures[d]** | 3,256 | 34.5% | 18,007 | 33.9% |
| **Any On-site Education-related Exposures** | 521 | 5.5% | 1,908 | 3.6% |
|    Childcare/Preschools | 91 | 1.0% | 438 | 0.8% |
|    K-12 schools | 338 | 3.6% | 865 | 1.6% |
|    Colleges/Universities | 101 | 1.1% | 629 | 1.2% |
| **Any Travel-related Exposures** | 1,491 | 15.8% | 9,101 | 17.1% |
|    Travel within the United States | 903 | 9.6% | 5,388 | 10.1% |
|    Travel to Mexico | 560 | 5.9% | 3,529 | 6.6% |
|    Travel to Another International Location | 17 | 0.2% | 95 | 0.2% |

[a] Potential community exposure settings are defined as indoor or outdoor locations in which cases came within 6 feet of anyone who was not a household member for at least 15 minutes during the 2-14 days prior to symptom onset, even if the case wore a mask or facial covering. Potential exposure settings are places case-patients visited during their exposure period, not confirmed sources of infection. Persons may have visited more than one location.

[b] Effective 11/24/2020, travel exposures are excluded from community exposure settings.

[c] Workplaces may include other community settings (e.g., bar/restaurant, hair salon, retail).

[d] Persons with household exposures reported having close contact with someone in their household with laboratory-confirmed COVID-19, though this was not independently verified. Household exposures may have occurred outside the 2-14 days prior to symptom onset.

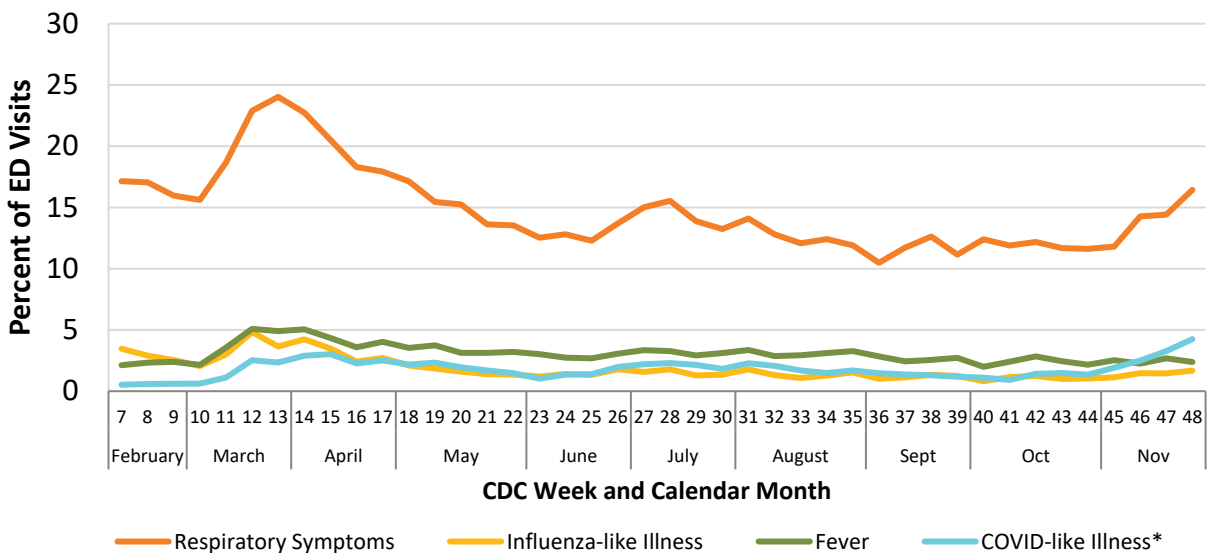December 1, 2020        Data through week ending 11/28/2020

## Emergency Department Data



**Figure 16. Percent of Emergency Department Visit Chief Complaints for ILI, Respiratory Symptoms, Fever, or COVID-like Illness* by Week, San Diego County**
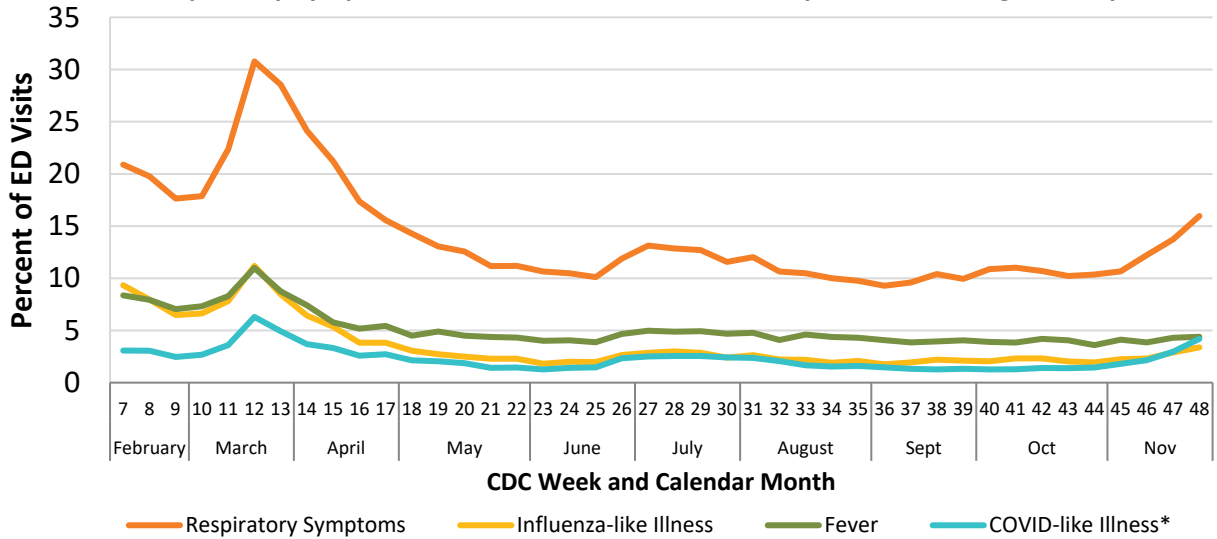
Categories are not mutually exclusive. *COVID-like Illness includes fever and cough, shortness of breath, or difficulty breathing OR coronavirus diagnostic codes.



**Figure 17. 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.

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## COVID-19 Laboratory Test Positivity Rate



Figure 18. COVID-19 Testing Volume and Positivity by Week of Specimen Collection, San Diego County

Legend: Total Tests Performed — % Positive
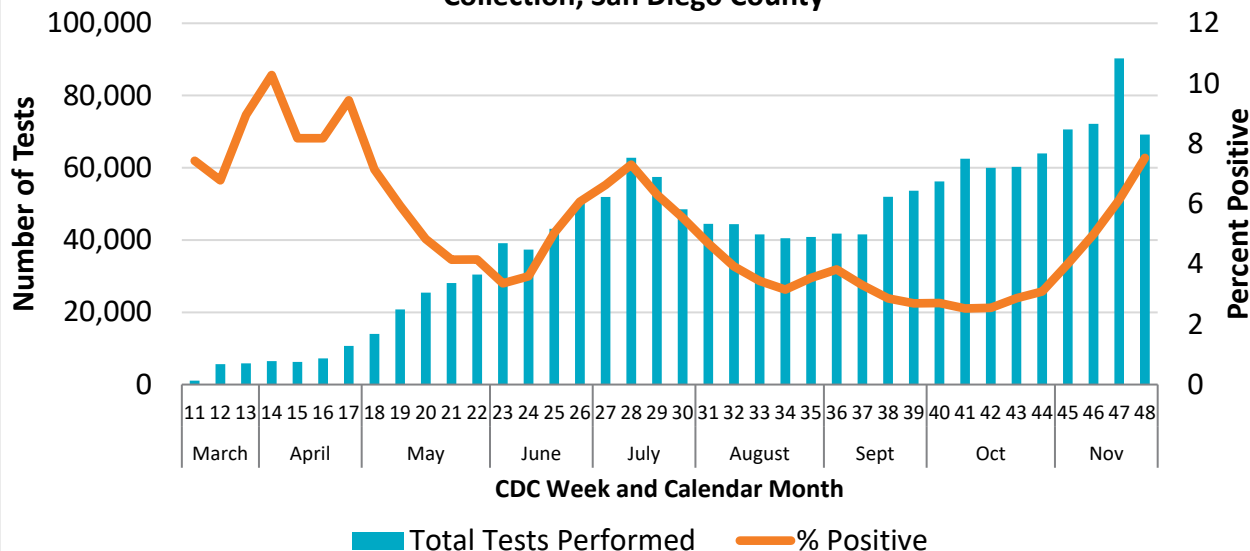
Includes PCR tests performed by COSD Public Health, hospital, and reference laboratories and reported via Electronic Laboratory Reporting (ELR) and line lists. Excludes invalid, indeterminate, and unsatisfactory results.

## 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.*