

COVID-19 Weekly Report

Oregon's Weekly Surveillance Summary



Weekly Data Report - December 23, 2020

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Background

COVID-19 Weekly Report data will be finalized every Sunday at 11 p.m. PDT, and the report will be published on Wednesday. Please note that the data reported here are continually being updated. For daily up-to-date information, visit the OHA COVID-19 web page: <https://govstatus.egov.com/OR-OHA-COVID-19>.

As of 11 p.m. Sunday, December 20, there have been 103,755 cases of COVID-19 reported to the Oregon Health Authority. Of these, 4,329 (4.2%) are “presumptive” cases—i.e., people with COVID-19-like symptoms and close contact with a confirmed case, but who did not have a confirmatory laboratory test. Though not confirmed, presumptive cases are highly likely to have COVID-19, given their specific symptoms and known exposure. Presumptive cases are encouraged to seek testing to confirm that they do have COVID-19. Presumptive cases who test positive are recategorized as confirmed cases.

These data represent a snapshot of COVID-19 risk factors and clinical and demographic characteristics of cases, and they include data on cases with pending investigations. Not all cases have been interviewed at the time of this report. The data shown in this report come from Oregon’s electronic disease surveillance system for reportable diseases.

During the week of December 13–December 19¹ 167,365 tests for COVID-19 were performed on Oregonians; of these, 6.3% had a positive result.² This figure represents a “test-based” method, whereby all electronic lab reports received by OHA are used to calculate percent positivity.³ Detailed tables of the number of tests and percent positivity can be found online at https://public.tableau.com/profile/oregon.health.authority.covid.19#!/vizhome/OregonHealthAuthorityCOVID-19DataDashboard/COVID-19EPICases?:display_count=y&:toolbar=n&:origin=viz_share_link&:showShareOptions=false

¹ This date range aligns with CDC’s “MMWR week.”

² Does not include antibody (serology) tests.

³ www.cdc.gov/coronavirus/2019-ncov/lab/resources/calculating-percent-positivity.html

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Weekly Report Summary

During Monday, December 14 through Sunday, December 20, OHA recorded 8,745 new cases of COVID-19 infection—a 5% drop from last week's tally. Hospitalizations decreased 11%, to 437. A record 186 Oregonians died in association with COVID-19—eclipsing our previous high of 133 two weeks previously. Cases are increasingly classified as “sporadic”—meaning that no source was identified for them. Through October, 34% of cases were classified as sporadic; since then, more than 50% have been sporadic. One thousand three hundred forty-seven of the 103,755 cases reported to date in Oregon have died in association with COVID-19—a case-fatality rate of 1.3%. Recent data on mortality in Oregon, including deaths related to COVID-19, are available at <https://public.tableau.com/profile/oha.center.for.health.statistics>.

Persons of Hispanic ethnicity have been disproportionately affected by COVID-19: they account for 13% of Oregon's population but 38% of cases of known ethnicity reported to date. By age, the incidence of reported infection has been highest in persons 20–49 years of age, who make up 39% of Oregon's population but 55% of reported cases. Persons <30 years of age make up 37% of Oregon's population and have accounted for 37% of reported cases but only 8.6% of hospitalizations and 2 deaths. Hospitalization and death rates increase with age. Although only 3.9% of Oregonians are 80 years of age or older, they account for 694 (52%) of COVID-19-associated deaths; 1,030 (76%) of the deaths are among Oregonians 70 years of age or older. Additional data are available at <https://public.tableau.com/profile/oregon.health.authority.covid.19#!/vizhome/OregonCOVID-19CaseDemographicsandDiseaseSeverityStatewide/DemographicData>.

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Clinical Characteristics and risk factors

This section of the report describes the epidemiology of Oregon's COVID-19 cases, including indicators of COVID-19 transmission, common symptoms experienced by COVID-19 cases, and demographic breakdowns for sex, age, race, and ethnicity. Indicators of disease severity, specifically hospitalizations and deaths, are included in the tables.

Epidemiologic links

The figures below show the epidemiologic link of COVID-19 cases. Public health classifies all cases as part of a household, part of an outbreak, part of a cluster, a close contact of another case, or sporadic. Sporadic indicates that a case was not linked to a known source of COVID-19. Lower numbers of sporadic cases suggest lower community spread of COVID-19. Figure 1 focuses on recent cases of COVID-19, and allows for the easy comparison of different types of epidemiologic link. Figure 2 includes all COVID-19 cases, showing the pattern of epidemiologic links since the first cases were identified in Oregon. Figures 3 and 4 show sporadic cases by race, and figures 5 and 6 show sporadic cases by ethnicity. Looking at the data by race and ethnicity helps public health to identify disparities.

Epidemiologic link designations:

- Sporadic⁴ Cases who do not have known exposure to another case or outbreak.
- Outbreak: Cases who have a shared, defined exposure with at least one other case. For example, a defined exposure could be an event, a workplace, a congregate facility, etc.
- Cluster: Cases who had contact with another case, but the exposure is not well defined. For example, cases from two households who interacted many times prior to illness onset.
- Household: Cases who were exposed to another case in their household.
- Close contact: Cases who were exposed to another case, not in their household. This designation was added on 7/15.

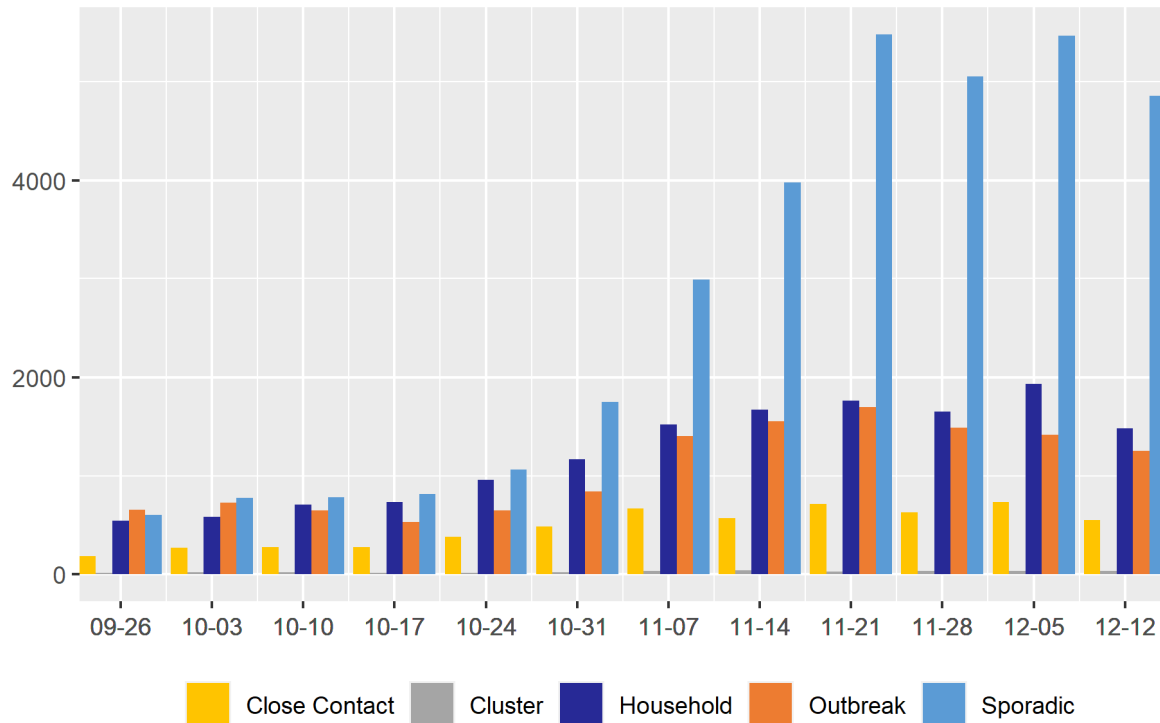
⁴ Due to the lag between case reporting and case investigation, the proportion of cases categorized as sporadic is high in the most recent week or more; some of these cases will be recategorized after investigation is completed.

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Figure 1. Epidemiologic link of recent COVID-19 cases by week of onset

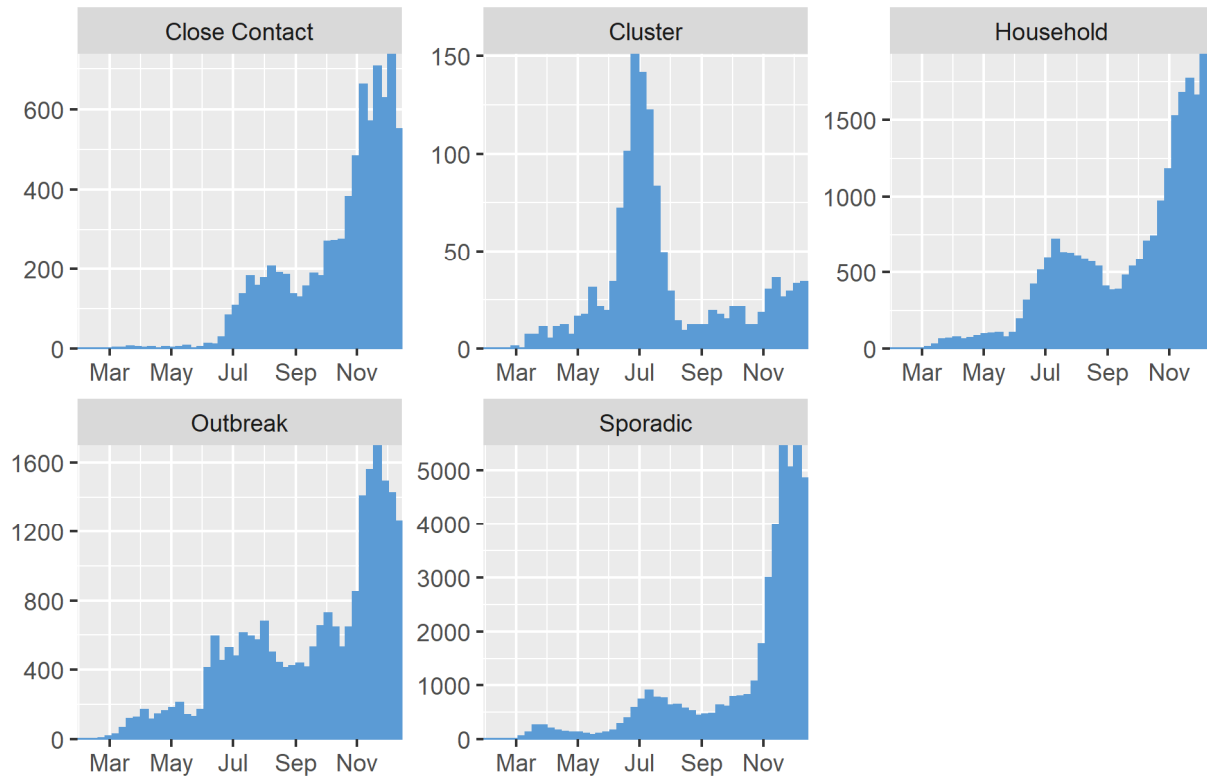


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Figure 2. Epidemiologic link of all COVID-19 cases by week of onset

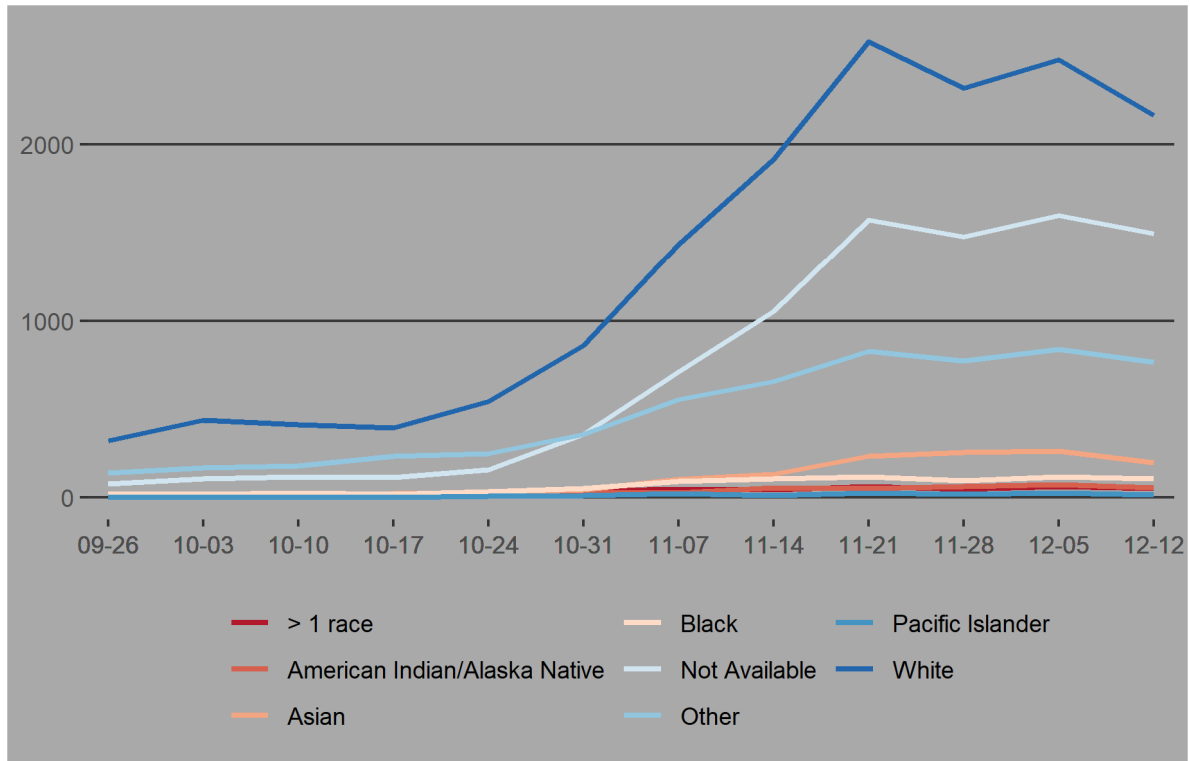


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Figure 3. Recent sporadic COVID-19 cases by race and week of onset



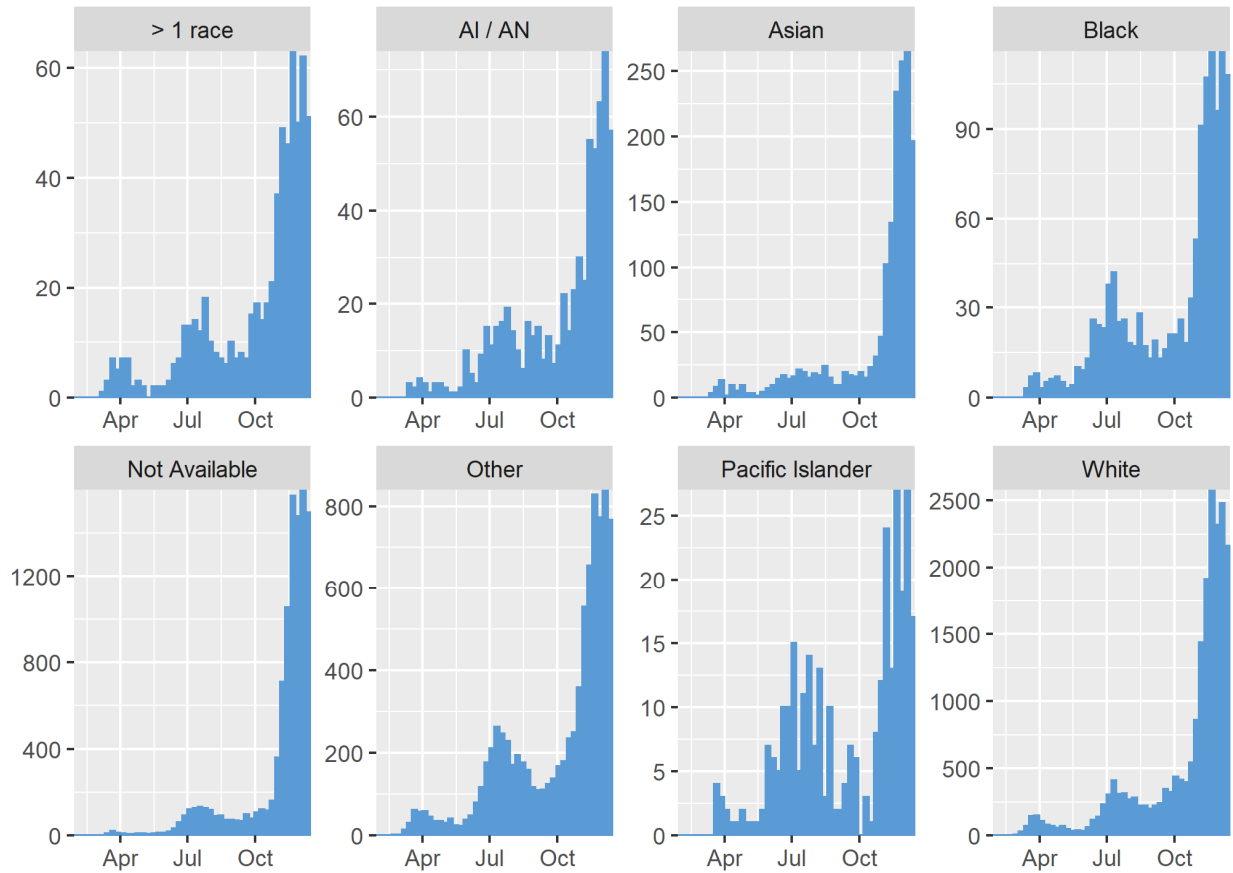
Data are provisional and subject to change.

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Figure 4. All sporadic COVID-19 cases by race and week of onset



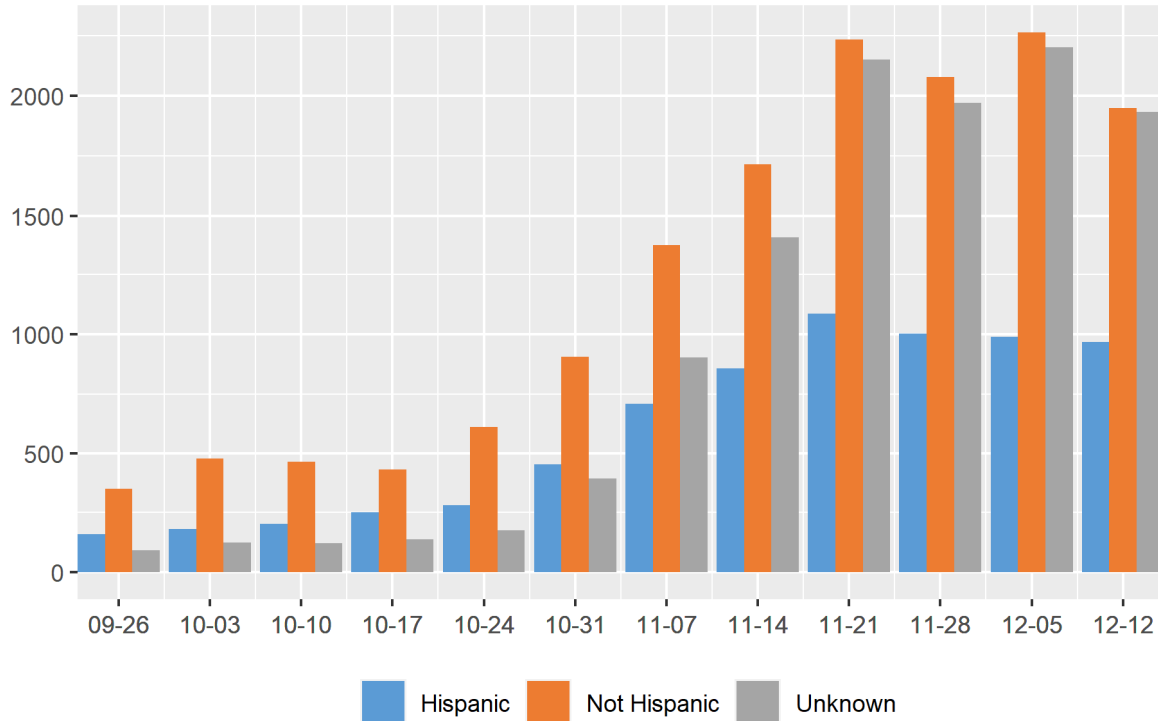
Data are provisional and subject to change.

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Figure 5. Recent sporadic COVID-19 cases by ethnicity and week of onset

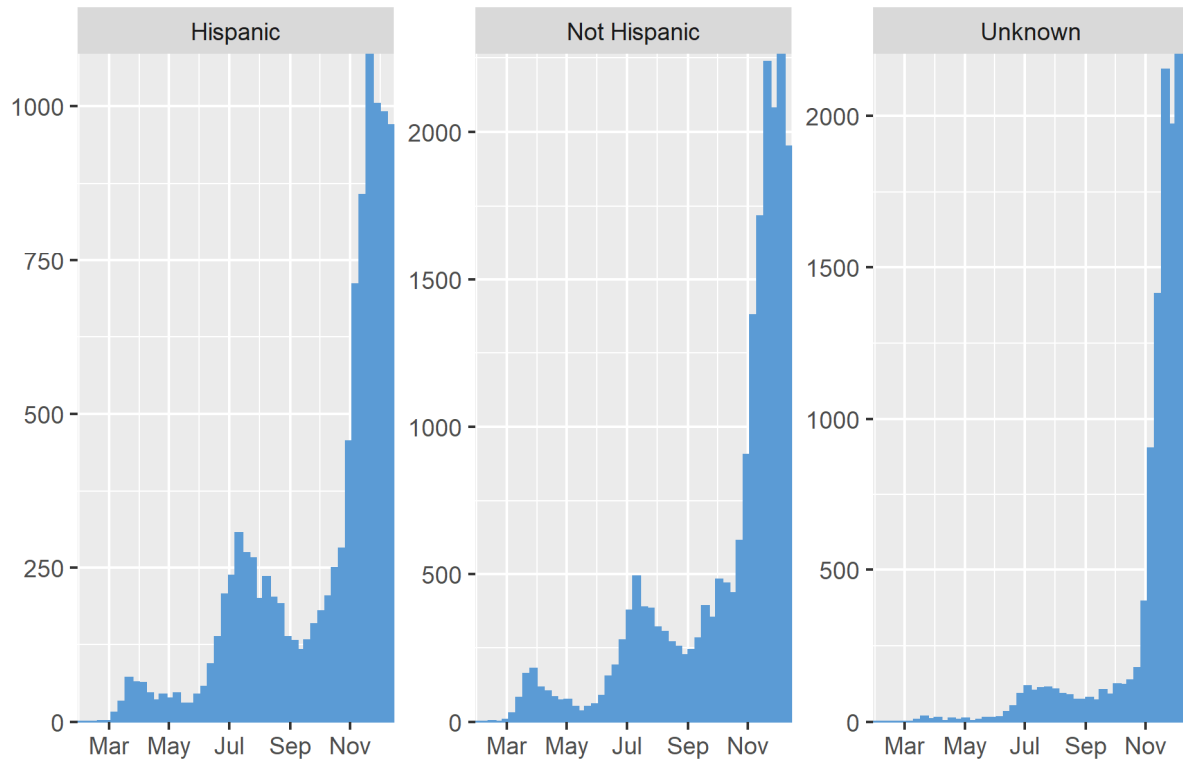


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Figure 6. All sporadic COVID-19 cases by ethnicity and week of onset



Clinical symptoms and reported risk factors

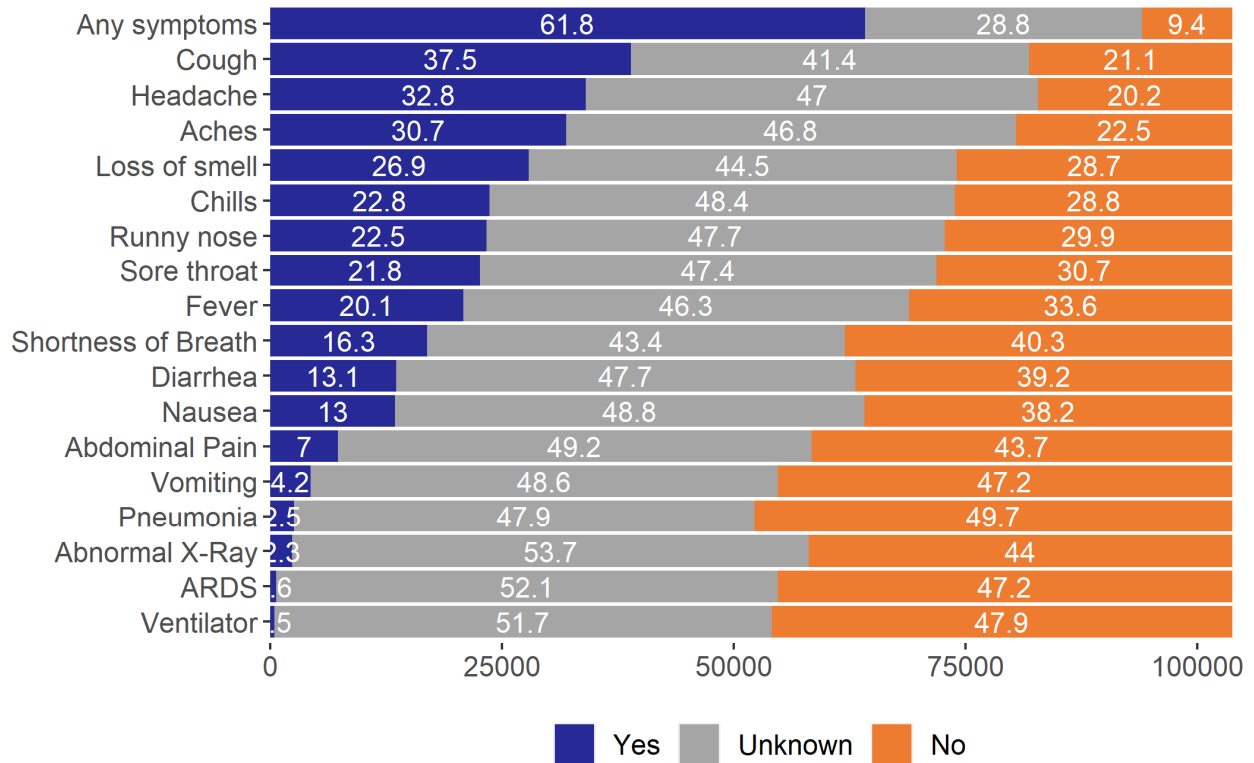
Figure 7 provides information on signs and symptoms from all COVID-19 cases. Of 103,755 cases, 64,150 (61.8%) reported having signs and symptoms of COVID-19. The most commonly reported symptoms are cough (n=38,889, 37.5%) and headache (n=34,070, 32.8%). Figure 8 provides information on the percentage of COVID-19 cases that report symptoms over time. Figure 9 provides information on risk factors from all COVID-19 cases. The most common risk factors are having contact with a known COVID-19 case prior to symptom onset (n=56,175, 54.1%) and having underlying medical conditions (n=56,756, 54.7%). Note that a person may report more than one sign/symptom or risk factor. Where displayed by week in this report, case data are categorized by week of reported symptom onset, not by date of case report. This results in reduced numbers in the most recent week or more due to reporting lags.

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Figure 7. Reported signs and symptoms for all COVID-19 cases

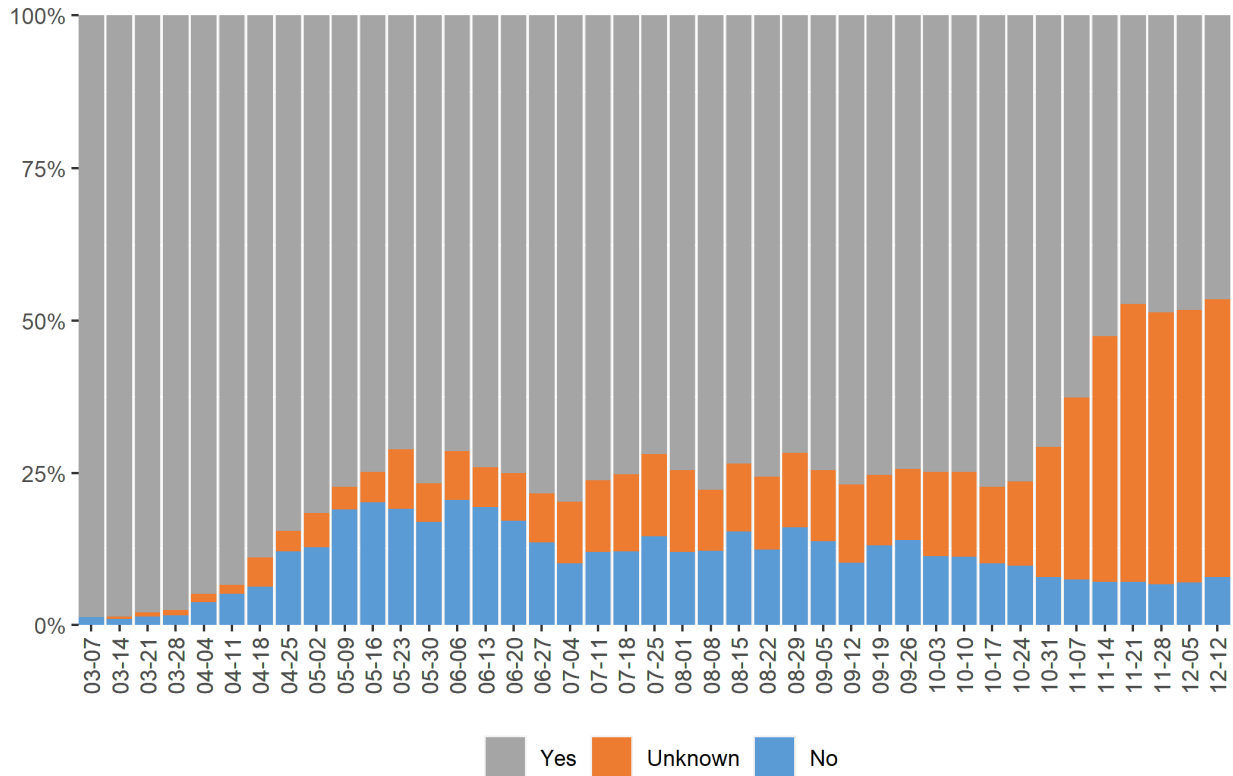


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Figure 8. Reported symptoms among all COVID-19 cases by week of onset

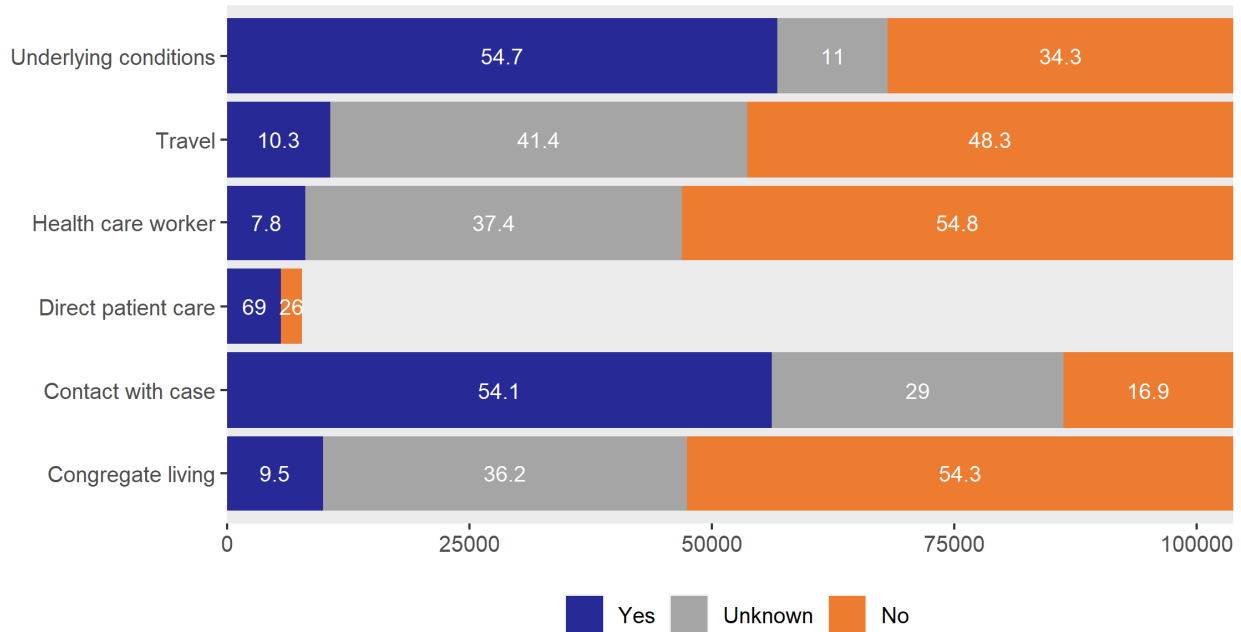


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Figure 9. Reported risk factors among all COVID-19 cases



Risk factor definitions:

- Congregate living situations include, but are not limited to, long-term care facilities, group homes, prisons, and shelters. Data include people with confirmed cases who live or work in congregate living situations.
- Direct patient care is only asked if a case is a healthcare worker or volunteer. The denominator is the number of healthcare workers or volunteers.
- Underlying medical conditions include cardiovascular disease, chronic liver disease, chronic lung disease, chronic renal disease, current or former smoker, diabetes mellitus, immunocompromised condition, neurologic and neurodevelopmental conditions, obesity, or other chronic diseases.

Demographics

The following tables and figures show the demographic characteristics for all COVID-19 cases. The tables show case counts, case rates, and indicators of severity by sex, age, race and ethnicity. The figures show cases over time, by week of onset, for sex, age, race, and ethnicity.

Data are provisional and subject to change.

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Sex

Table 1. Severity and rates of COVID-19 by sex

Sex	Cases	% of total cases	Cases per 100,000	Hospitalized	% Hospitalized	Deaths	Case fatality
Female	53,411	51.5	2,483	2,777	5.2	622	1.2
Male	49,498	47.7	2,373	3,140	6.3	723	1.5
Non-Binary	6	0.0		0	0.0	0	0.0
Not Available	840	0.8		23	2.7	2	0.2
Total	103,755	100.0	2,449	5,940	5.7	1,347	1.3

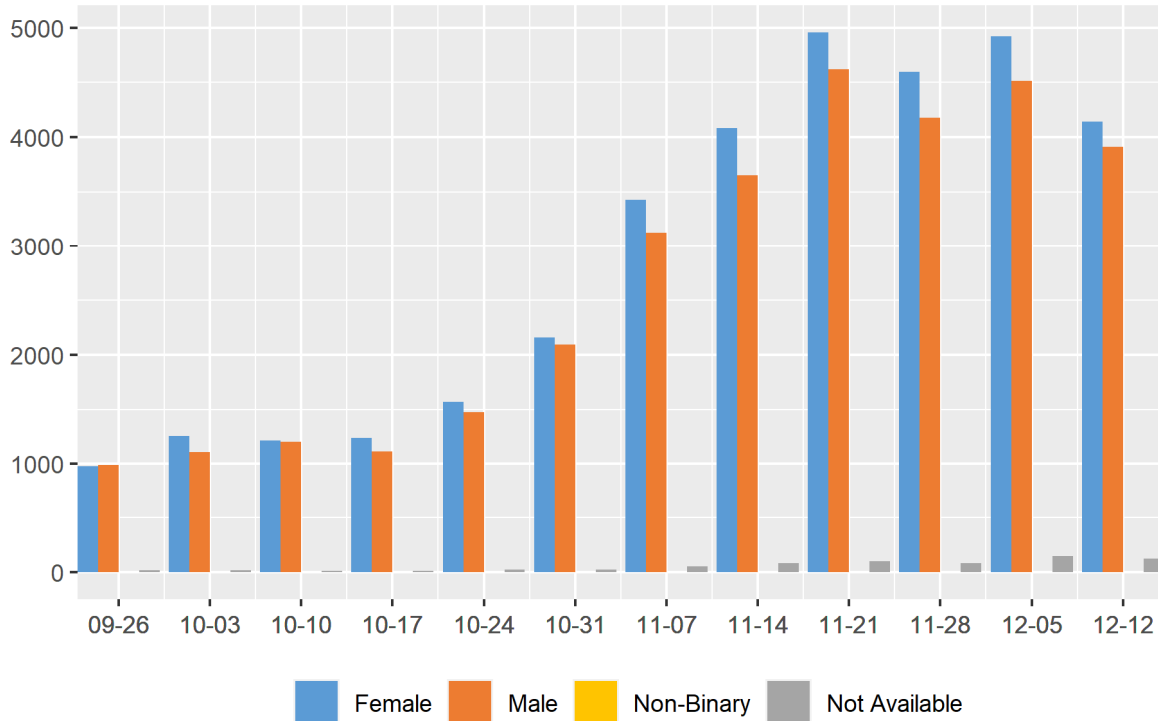
1. Population data were compiled from the 2019 Annual Oregon Population Report, which is produced by the Population Research Center, Portland State University

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Figure 10. Recent COVID-19 cases by sex and week of onset

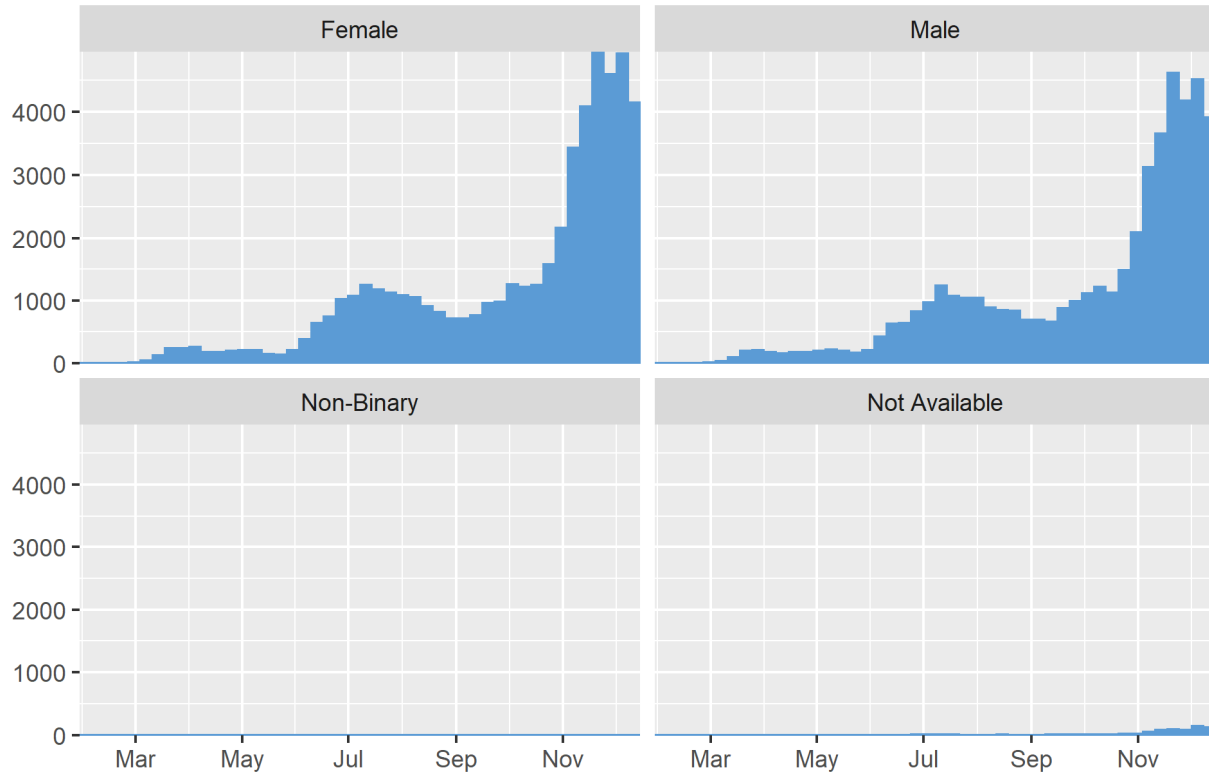


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Figure 11. All COVID-19 cases by sex and week of onset



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Age

Table 2. Severity and rates of COVID-19 by age

Age group	Cases	% of total cases	Cases per 100,000	Hospitalized	% Hospitalized	Deaths	Case fatality
0-9	5,450	5.3	1,136	62	1.1	0	0.0
10-19	10,484	10.1	2,110	85	0.8	0	0.0
20-29	21,919	21.1	3,947	365	1.7	2	0.0
30-39	18,338	17.7	3,168	450	2.5	13	0.1
40-49	16,257	15.7	2,992	616	3.8	24	0.1
50-59	13,244	12.8	2,475	882	6.7	84	0.6
60-69	8,671	8.4	1,608	1,121	12.9	194	2.2
70-79	5,153	5.0	1,515	1,195	23.2	336	6.5
80+	3,973	3.8	2,370	1,142	28.7	694	17.5
Not Available	266	0.3		22	8.3	0	0.0
Total	103,755	100.0	2,449	5,940	5.7	1,347	1.3

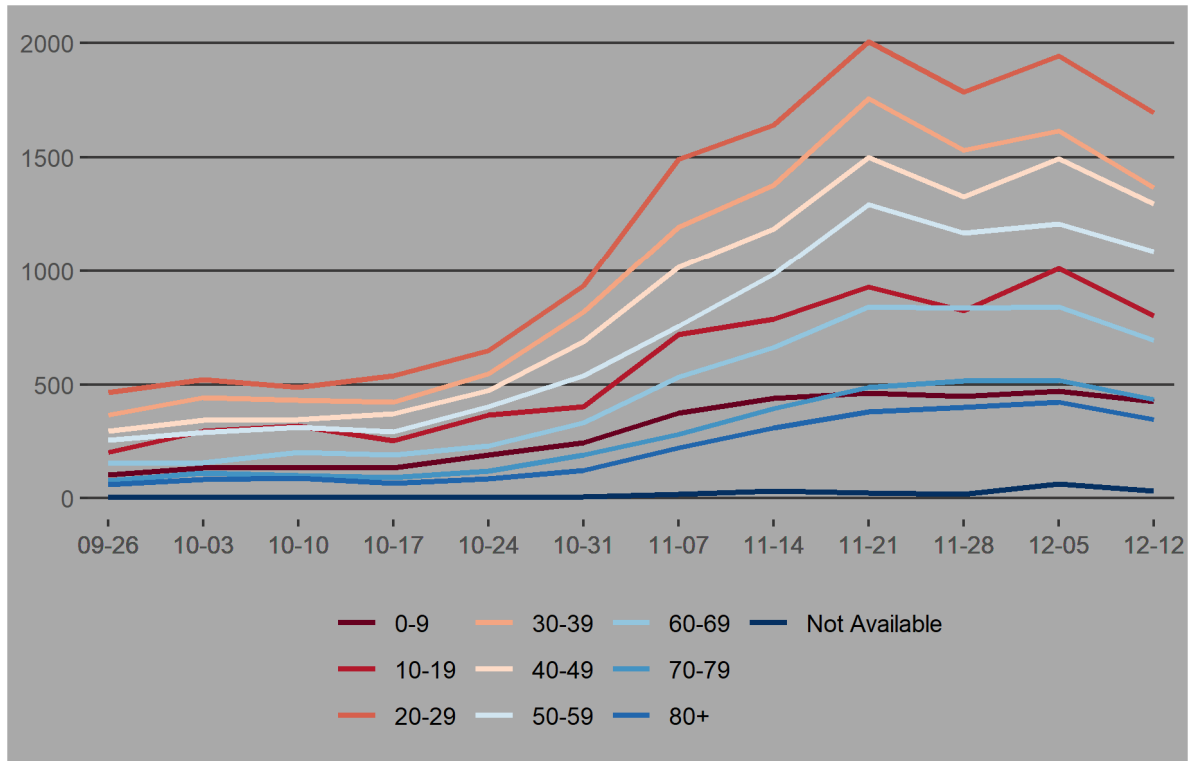
1. Population data were compiled from the 2019 Annual Oregon Population Report, which is produced by the Population Research Center, Portland State University

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Figure 12. Recent COVID-19 cases by age and week of onset



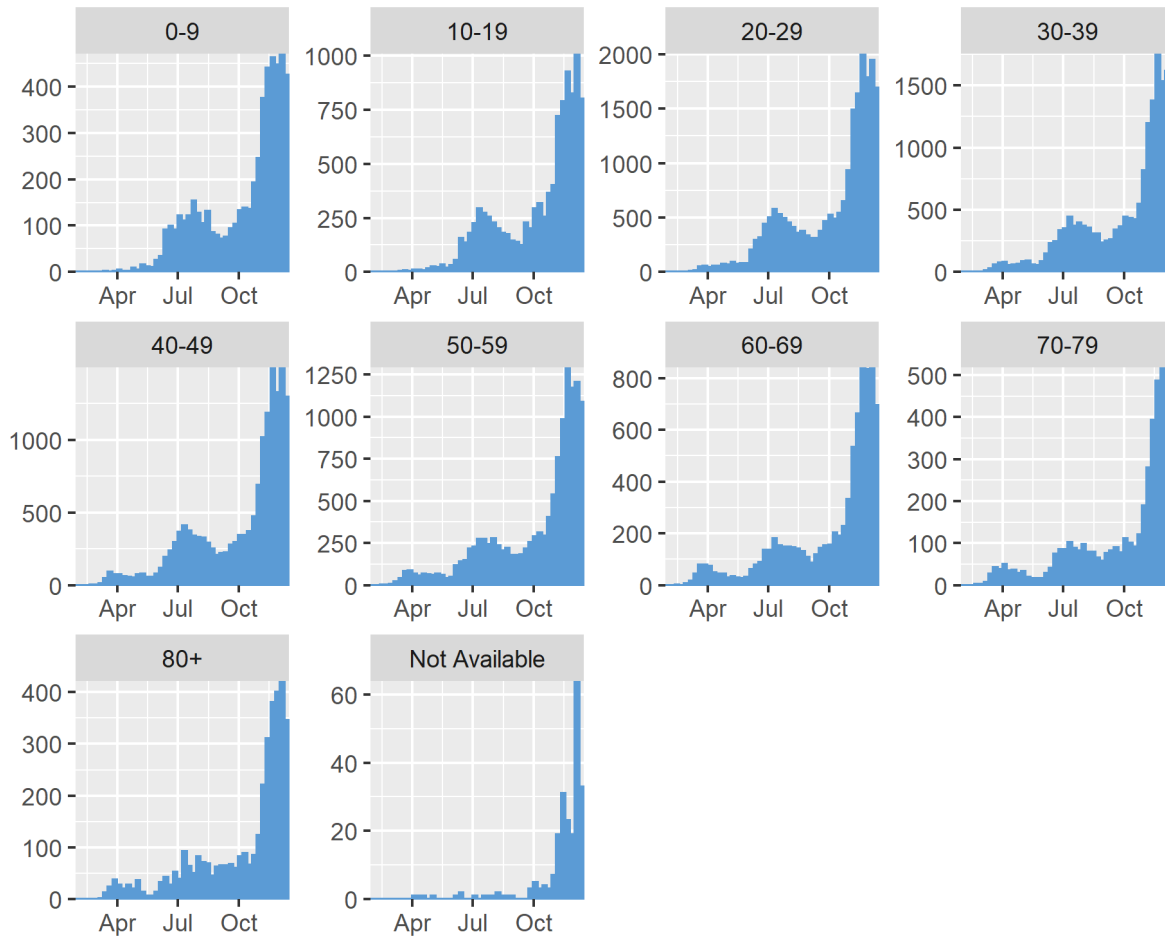
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Figure 13. All COVID-19 cases by age and week of onset



Data are provisional and subject to change.

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Race

Table 3. Severity and rates of COVID-19 by race

Race	Cases	% of total cases	Cases per 100,000	Hospitalized	% Hospitalized	Deaths	Case fatality
> 1 race	1,733	1.7	862	106	6.1	31	1.8
American Indian/Alaska Native	2,024	2.0	4,153	162	8.0	21	1.0
Asian	3,417	3.3	1,887	227	6.6	37	1.1
Black	2,641	2.5	3,271	198	7.5	35	1.3
Not Available	18,620	17.9		491	2.6	192	1.0
Other	26,334	25.4	19,966	1,133	4.3	120	0.5
Pacific Islander	1,043	1.0	6,279	111	10.6	14	1.3
White	47,943	46.2	1,341	3,512	7.3	897	1.9
Total	103,755	100.0	2,449	5,940	5.7	1,347	1.3

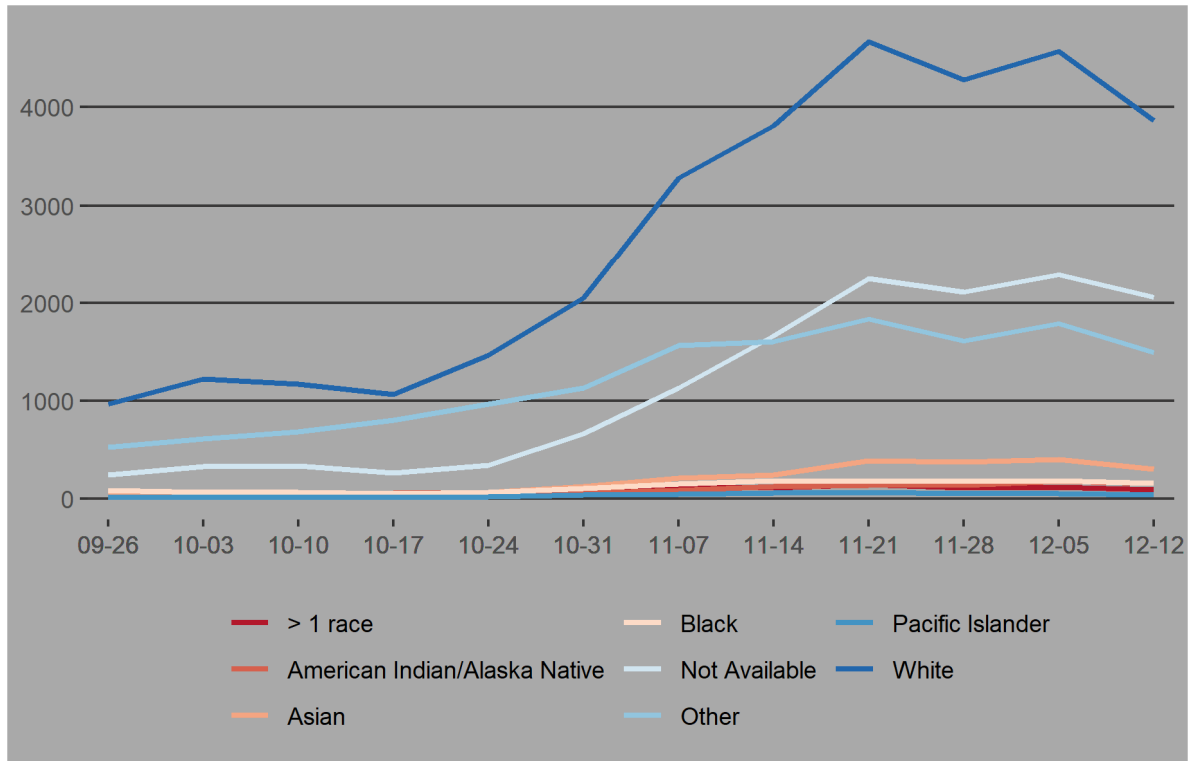
1. During the case investigation, people are asked to self-report their race, ethnicity, tribal affiliation, country of origin, or ancestry.
2. National Center for Health Statistics (NCHS). Estimates of the resident population of the U.S. by year, county, age, bridged race, Hispanic origin, and sex (Vintage 2018). 2) Census Bureau Population Estimates: U.S. Census bureau, Population Division, Annual Estimates of the Resident Population by Age, Sex, Race, and Hispanic Origin for counties (Vintage 2018)
3. 15,505 (96.8%) of the 16,014 persons who identify as "Other" race also self-identify as Hispanic or Latino.

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Figure 14. Recent COVID-19 cases by race and week of onset



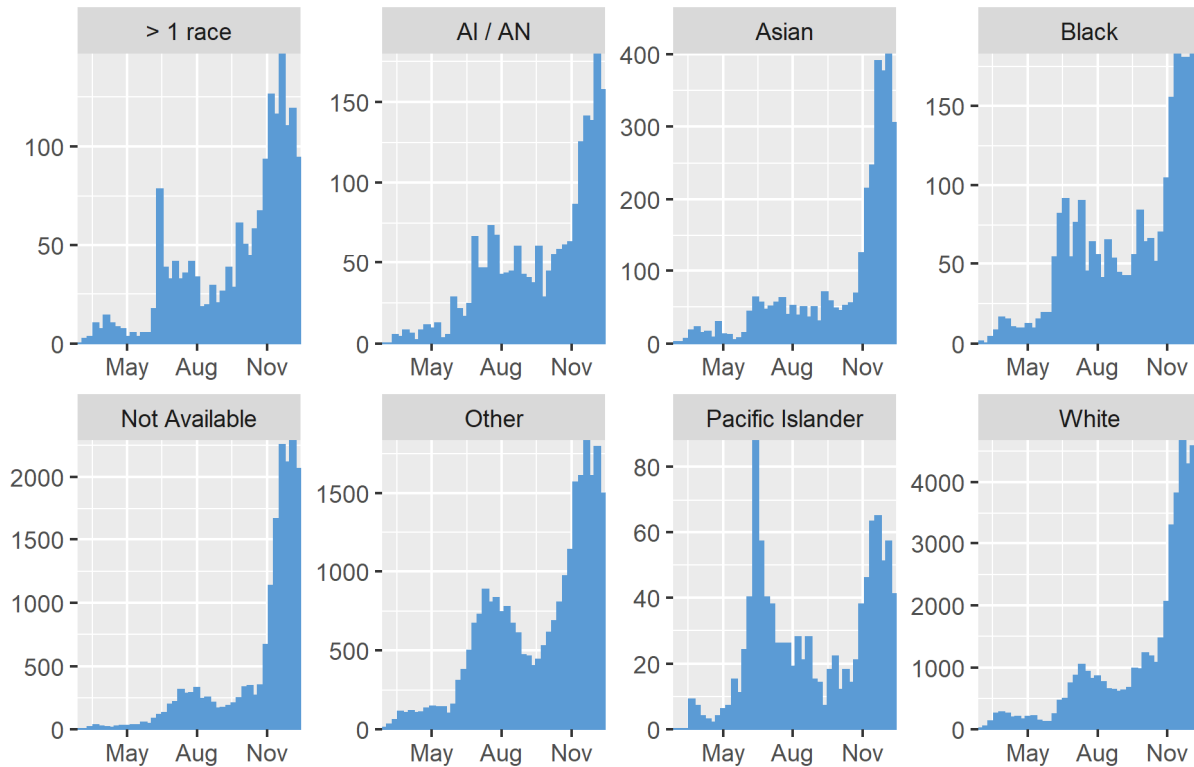
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Figure 15. All COVID-19 cases by race and week of onset



Ethnicity

Table 4. Severity and rates of COVID-19 by ethnicity

Ethnicity	Cases	% of total cases	Cases per 100,000	Hospitalized	% Hospitalized	Deaths	Case fatality
Hispanic	30,239	29	5,561	1,317	4.4	148	0.5
Not Hispanic	49,948	48	1,353	3,635	7.3	858	1.7
Unknown	23,568	23		988	4.2	341	1.4
Total	103,755	100	2,449	5,940	5.7	1,347	1.3

Data are provisional and subject to change.

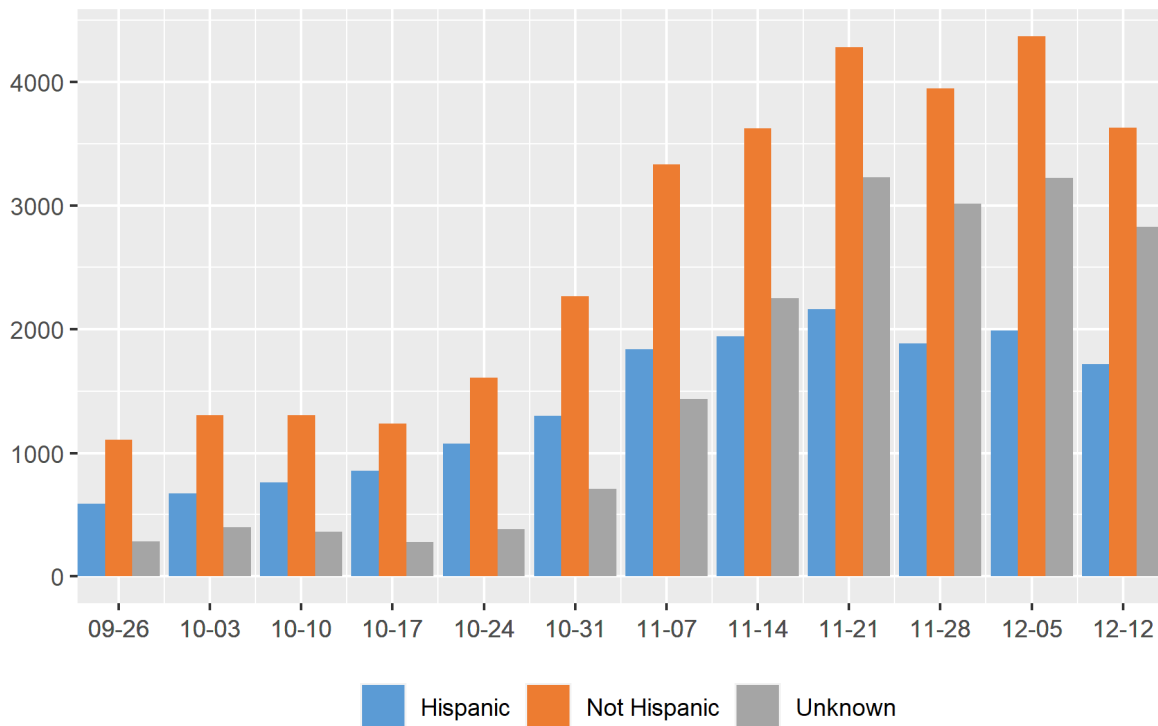
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1. National Center for Health Statistics (NCHS). Estimates of the resident population of the US by year, county, age, bridged race, Hispanic origin, and sex (Vintage 2018). 2) Census Bureau Population Estimates: U.S. Census bureau, Population Division, Annual Estimates of the Resident Population by Age, Sex, Race, and Hispanic Origin for counties (Vintage 2018)

Figure 16. Recent COVID-19 cases by ethnicity and week of onset

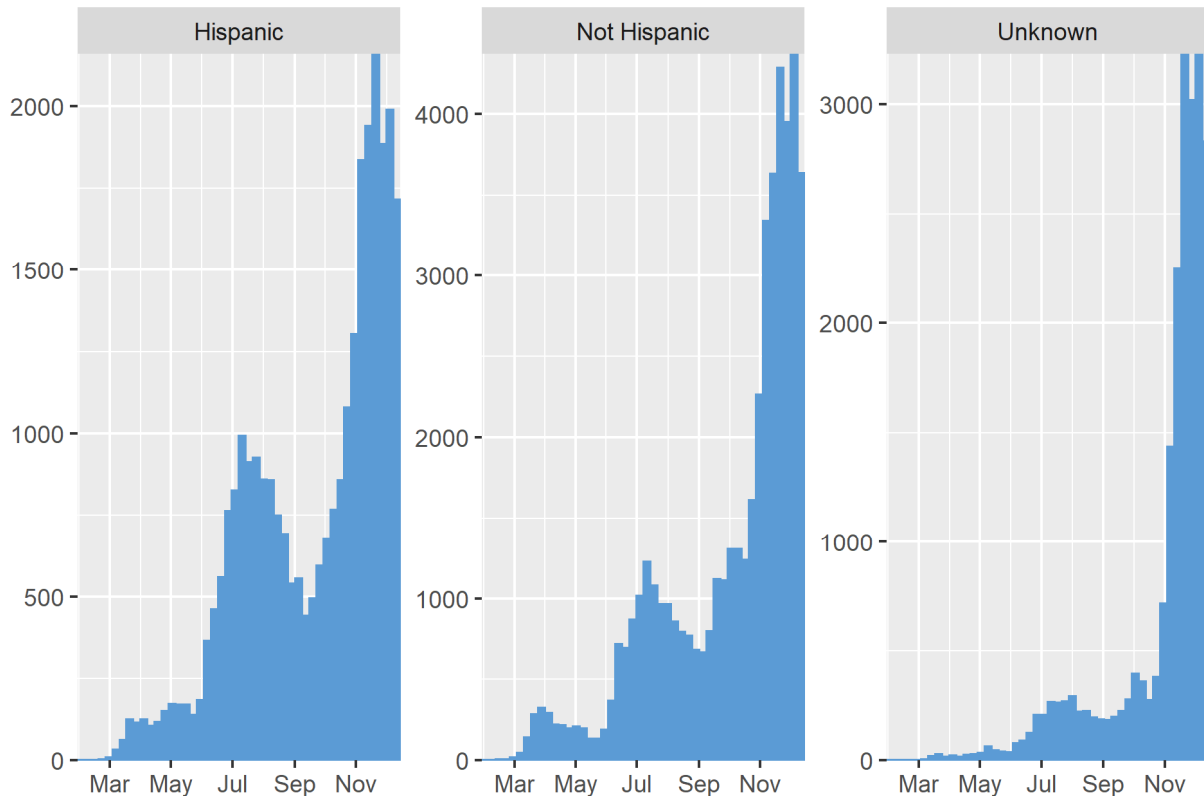


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Figure 17. All COVID-19 cases by ethnicity and week of onset



Follow-up

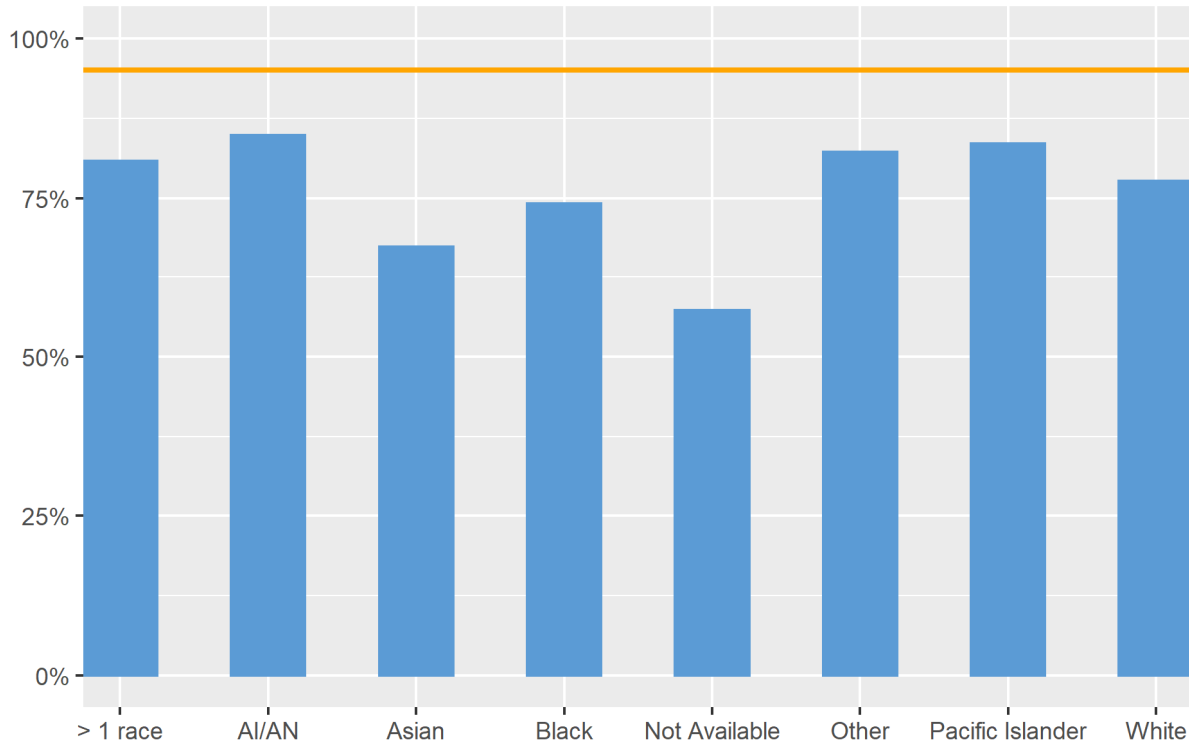
Figure 18 shows the percentage of cases that were called within 24 hours of being reported to public health by race. Figure 19 shows the percentage of cases that were called within 24 hours of being reported to public health by ethnicity. Figure 20 shows the percentage of cases that were interviewed, by race. Figure 21 shows the percentage of cases that were interviewed, by ethnicity. Race and ethnicity data are collected when cases are interviewed. Race and ethnicity data for cases that were not interviewed are abstracted from laboratory reports and medical records if it is available. The orange line in figures 18 and 19 represents the state metric for timely follow up for all cases: 95%.

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Figure 18. Follow up attempted within 24 hours, % by race

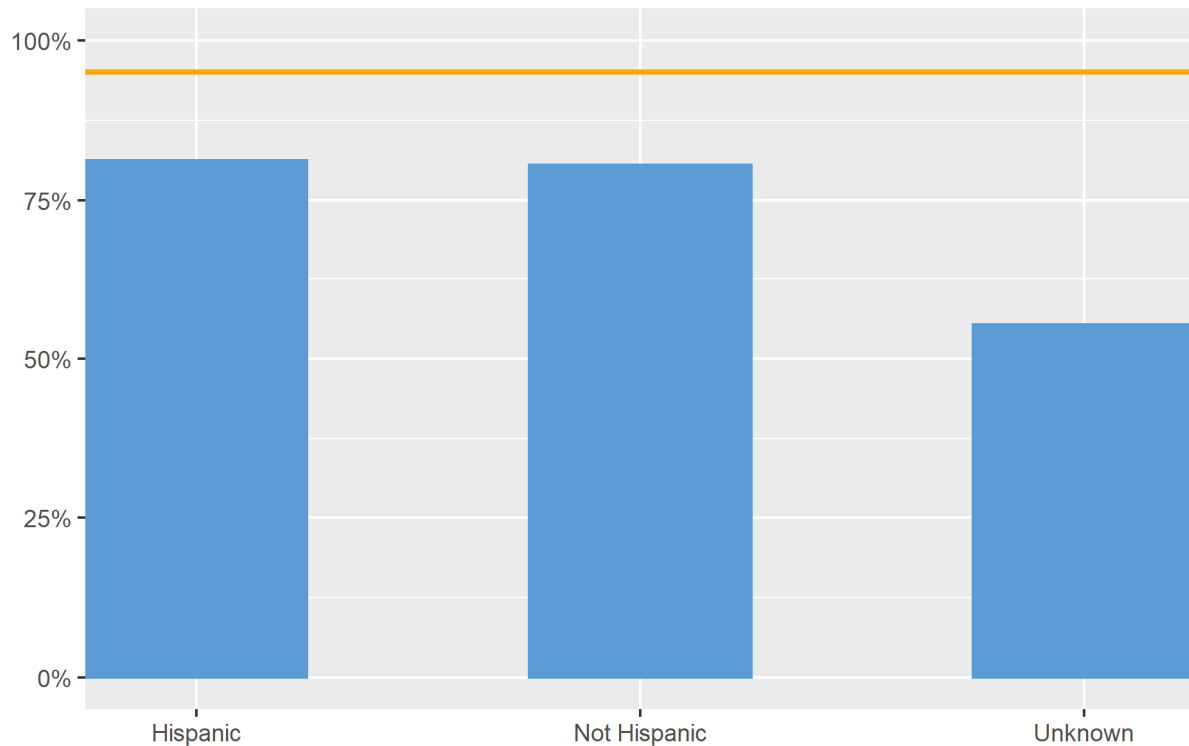


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Figure 19. Follow up attempted within 24 hours, % by ethnicity

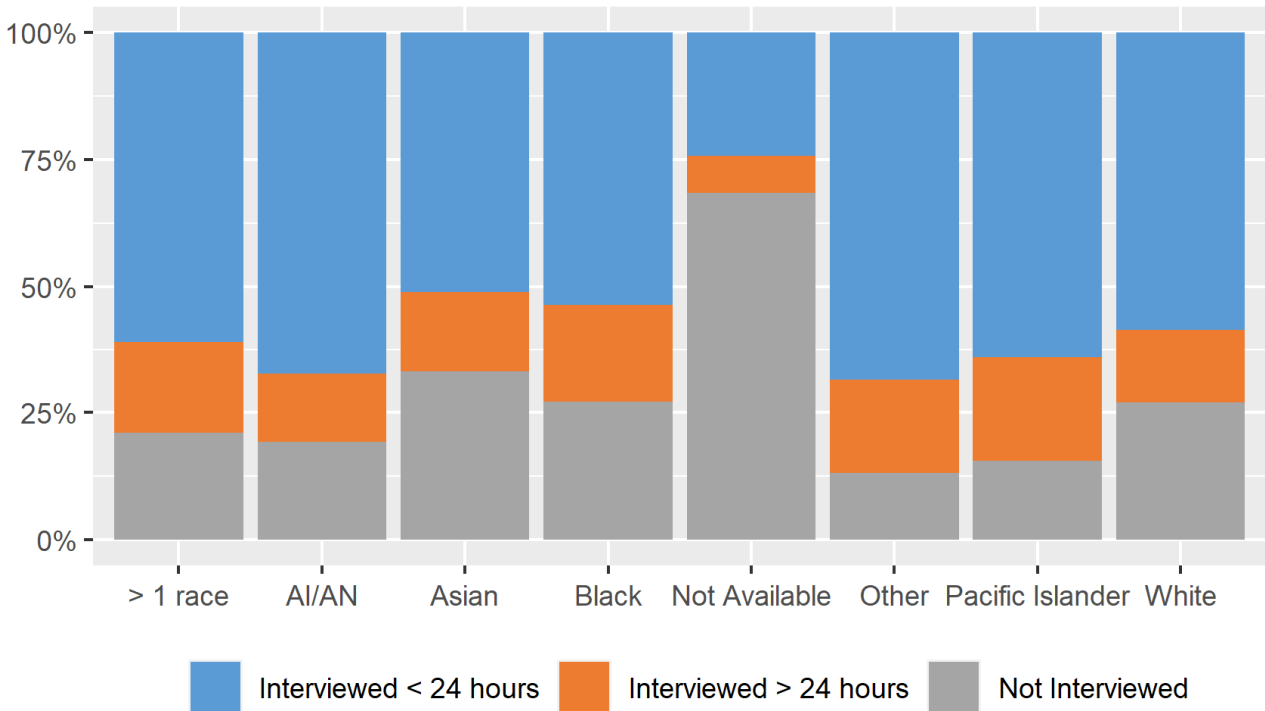


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Figure 20. Cases interviewed, by race

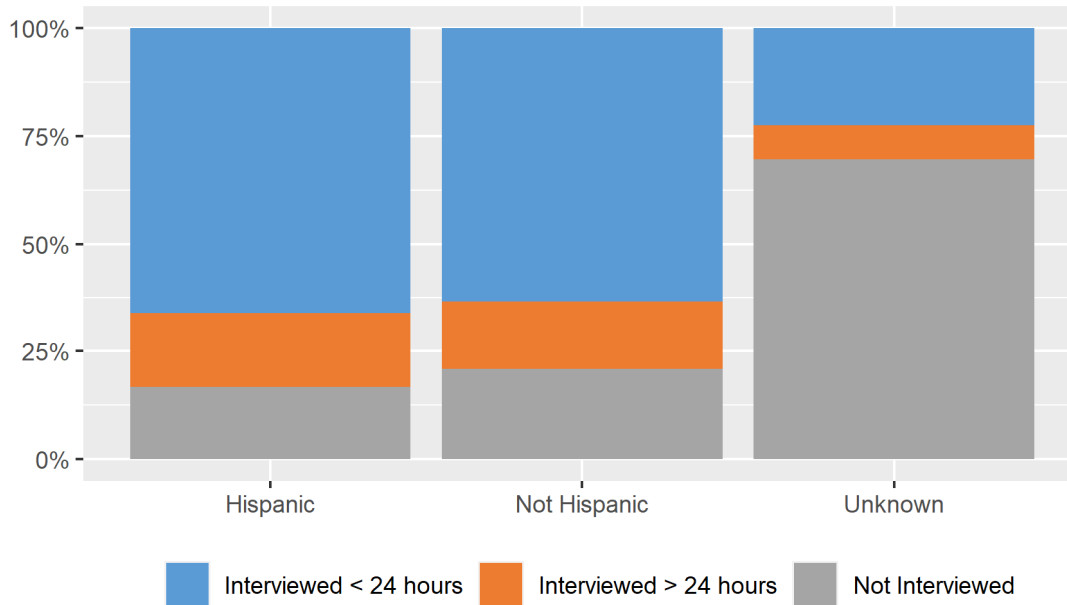


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Figure 21. Cases interviewed, by ethnicity



Recovery

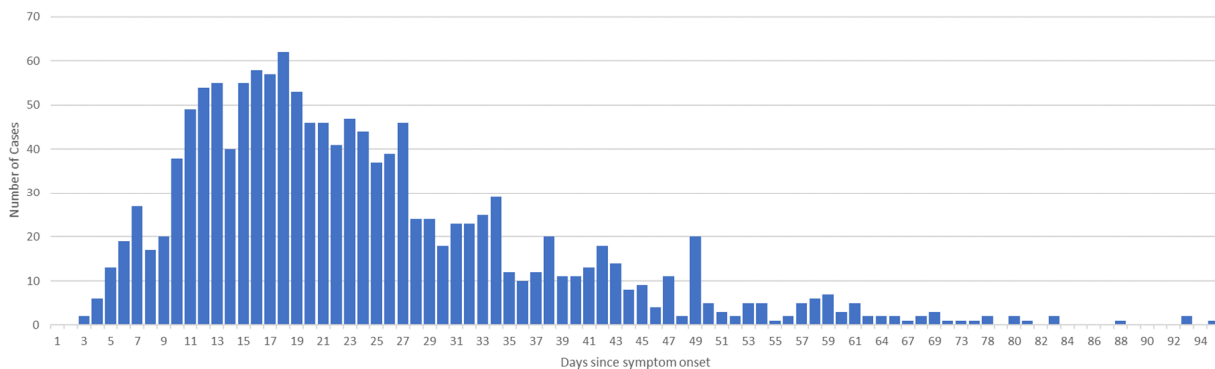
OHA staff periodically call people with reported COVID-19 who experienced fever, cough, shortness of breath or diarrhea and were initially interviewed before May 1, when OHA changed its definition of recovery, to inquire about resolution of symptoms. This group includes 1,884 people who were all diagnosed before mid-April and have not succumbed to their illness. Among these, 1,682 (88.8%) are considered to have recovered, and a recovery date is available for 1,387 people; their time to recovery is depicted in Figure 15. Of these 1,884 people, 16 (0.8%), have not yet recovered; and recovery status is not available for 186 (9.8%). People are assumed to have recovered three days after resolution of all symptoms. The median time to recovery among non-hospitalized symptomatic cases is 20 days (interquartile range: 15–29 days); among symptomatic cases who were hospitalized it is 26 days (interquartile range: 18–37 days).

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Figure 22. Time to recovery among symptomatic people with COVID-19



Notes about recovery data:

- Recovery definition: three days after reported resolution of diarrhea, cough, shortness of breath and fever.
- Inclusion criteria: cases who were interviewed about their date of recovery before a change in recovery definition on May 1
- Data for 1,387 cases are included
- This was last updated on 9/16; Data will be updated again as new information is available.

People with Intellectual and Developmental Disabilities

OHA is aware of 219 people with intellectual or developmental disabilities who have had COVID-19 to date. This includes individuals who live in congregate settings and in family or individual homes. To date, there are 5 deaths associated with people with intellectual or developmental disabilities. This number is from conducting a match between the ODHS Office of Developmental Disabilities Services client list and the Oregon COVID-19 case database. OHA will update this number on a quarterly basis.

Additional information about the ODDS program and COVID-19 can be found here:

<https://www.oregon.gov/dhs/SENIORS-DISABILITIES/DD/ODDS%20Resource%20Library/ODDS-Residential-COVID-19-Report.pdf>

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ODDS data is based on self-reports from providers and case management entities and therefore may differ from testing data received from the Oregon Health Authority.

Weekly COVID-19 Hospitalizations (HOSCAP)

OHA is publishing data on the number of COVID-19 hospitalizations by hospital in the prior week; data are from HOSCAP. Table 5 lists all hospitals which, at some time during the week reported, had 10 or more suspected/confirmed COVID-19 patients. The left column shows the highest number of suspected and confirmed COVID-19 hospitalized patients for each hospital between 12/14/2020 and 12/20/2020. The right column shows the highest number of confirmed COVID-19 patients hospitalized during the same time period.

Table 5. Hospitals reporting 10 or more COVID-19 patients.

Hospital	Maximum Patients (both suspected and confirmed)	Maximum Patients (confirmed only)
Salem Health Hospital	83	72
Providence Portland Medical Center	59	59
St. Charles Bend	53	51
Providence St. Vincent Medical Center	50	49
Asante Rogue Regional Medical Center	48	25
Kaiser Permanente Sunnyside Medical Center	33	32
McKenzie-Willamette Medical Center	32	24
OHSU Hospital	29	25
PeaceHealth Sacred Heart MC at Riverbend	27	27
Legacy Mount Hood Medical Center	25	20
Adventist Health Portland	24	20
Kaiser Permanente Westside Medical Center	23	23

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Hospital	Maximum Patients (both suspected and confirmed)	Maximum Patients (confirmed only)
Asante Three Rivers Medical Center	21	21
Legacy Good Samaritan Medical Center	21	15
Legacy Emanuel Medical Center	20	18
Sky Lakes Medical Center	18	18
Providence Medford Medical Center	17	13
Legacy Meridian Park Hospital	16	16
Hillsboro Medical Center	15	12
Mercy Medical Center	14	14
Good Samaritan Regional Medical Center	13	10
VA Portland Health Care System	12	11

The hospitals listed in Table 6 reported 1–9 suspected or confirmed COVID-19 patients 12/14/2020 through 12/20/2020. Hospitals not listed in either table did not report any suspected or confirmed patients during the week.

Table 6. Hospitals reporting 1–9 COVID-19 patients.

Hospital
Adventist Health Tillamook
Asante Ashland Community Hospital
Bay Area Hospital
Columbia Memorial Hospital
Curry General Hospital
Good Shepherd Health Care System
Grande Ronde Hospital
Lake District Hospital

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Hospital
Legacy Silverton Medical Center
Mid-Columbia Medical Center
OHSU Doernbecher Children's Hospital
Providence Hood River Memorial Hospital
Providence Milwaukie Hospital
Providence Newberg Medical Center
Providence Seaside Hospital
Providence Willamette Falls Medical Center
Randall Children's Hospital at Legacy Emanuel
Samaritan Albany General Hospital
Samaritan Lebanon Community Hospital
Samaritan North Lincoln Hospital
Southern Coos Hospital and Health Center
St. Alphonsus Medical Center - Baker City
St. Alphonsus Medical Center - Ontario
St. Anthony Hospital
St. Charles Madras
Willamette Valley Medical Center

ZIP code

OHA is publishing data on cases at the ZIP code level, available online at:

<https://public.tableau.com/profile/oregon.health.authority.covid.19#!/vizhome/OregonCOVID-19CasesbyZIPCode/OregonsCOVID-19CasesbyZipCode?publish=yes>

Summary table of all zip codes available here:

Data are provisional and subject to change.

COVID-19 Weekly Report

Oregon's Weekly Surveillance Summary



<https://public.tableau.com/profile/oregon.health.authority.covid.19#!/vizhome/OregonCOVID-19CasesbyZIPCode-SummaryTable/CasesbyZIPCodeSummaryTable?publish=yes>

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