

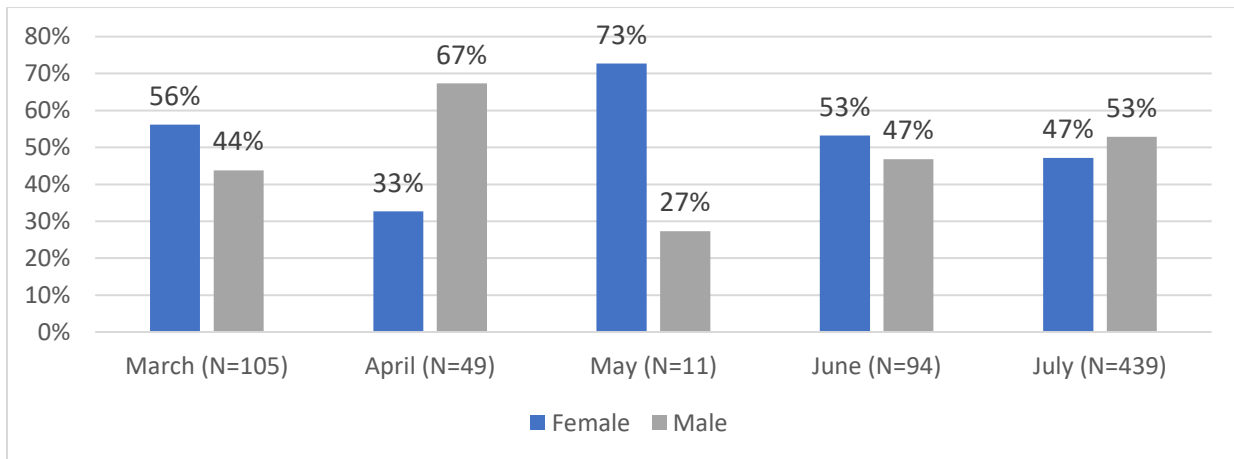
# Kitsap Lab-Confirmed COVID-19 Case Characteristics

## Cases with Specimen Collection Dates from March - July

**Background:** COVID-19 is an illness caused by a new type of coronavirus. As cases rise in Kitsap County, the Kitsap Public Health District (KPHD) will be producing this report on case characteristics on a monthly basis. Cases continue to be reported every day to KPHD; this report summarizes information on the Kitsap County resident lab-confirmed cases received with specimen collection dates on or prior to July 31<sup>st</sup> (N=698).

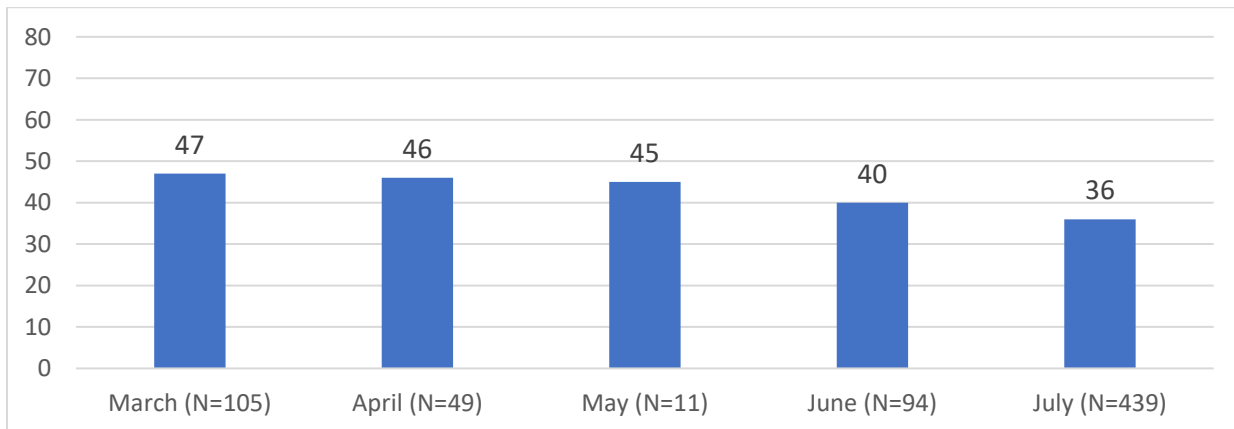
**Case Demographics:** Gender and age are available for all 698 cases and overall 51% (358) are male. This has varied slightly from month to month.

Figure 1: Percent of COVID-19 Lab-Confirmed Positive Cases by Gender and Specimen Collection Month, N=698



Overall, the average age of cases is 39 years and the median age of cases is 35 years. The average age of cases has declined over the past four months from 47 years in March to 36 years in July.

Figure 2: Average Age of COVID-19 Lab-Confirmed Positive Cases by Specimen Collection Month, N=698

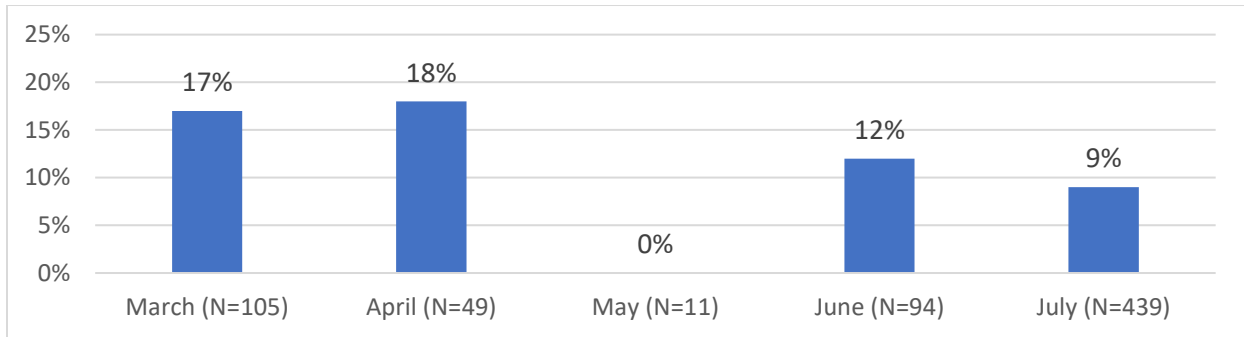


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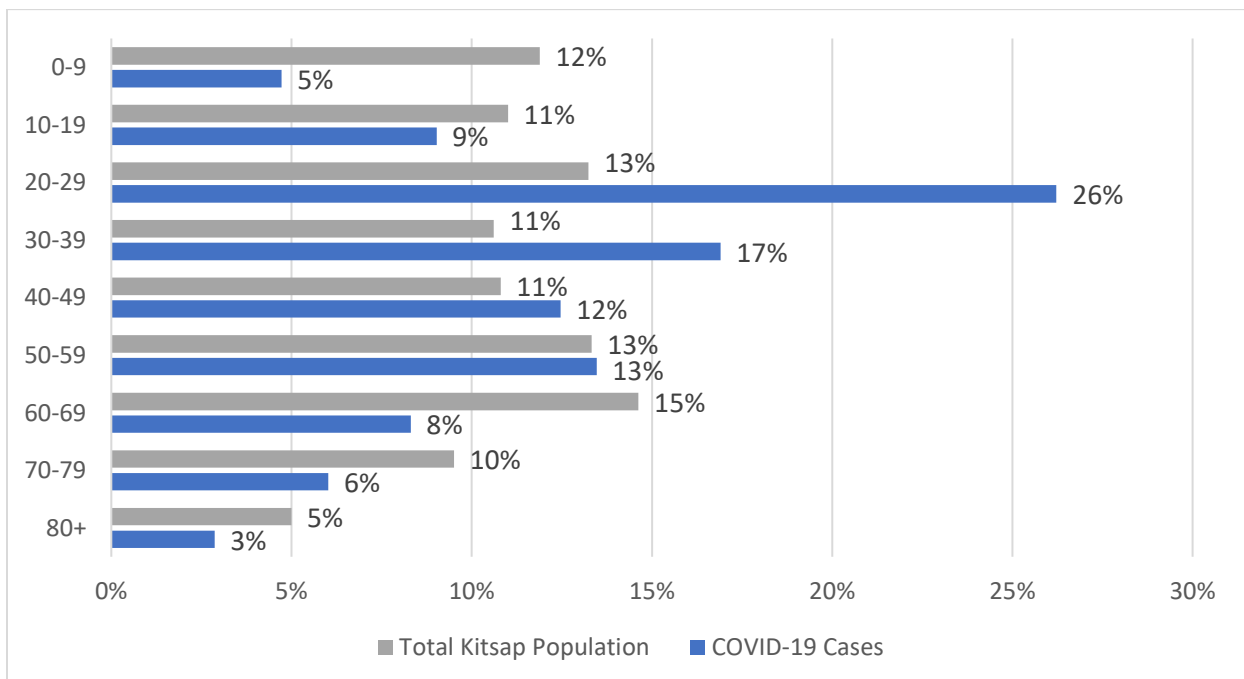
Overall, 89% of cases have been under the age of 65 years. The percent of cases 65 years and older has decreased over time from 17% of cases in March to 9% of cases in July.

Figure 3: Percent of COVID-19 Lab-Confirmed Positive Cases 65 Years and Older by Specimen Collection Month, N=698



Compared to the total population age distribution of Kitsap County population (N=270,098), for COVID-19 cases there is a higher percent among 20-29 year olds (26% of cases compared to 13% of the total population), 30 – 39 year olds (17% of cases compared to 11% of the total population), and 40 – 49 year olds (12% of cases compared to 11% of the total population). There are fewer COVID-19 cases among children 0 – 19 and older adults 60+ compared to the population as a whole.

Figure 4: Percent of COVID-19 Lab-Confirmed Positive Cases and Total Kitsap Population by Age Range, N=698

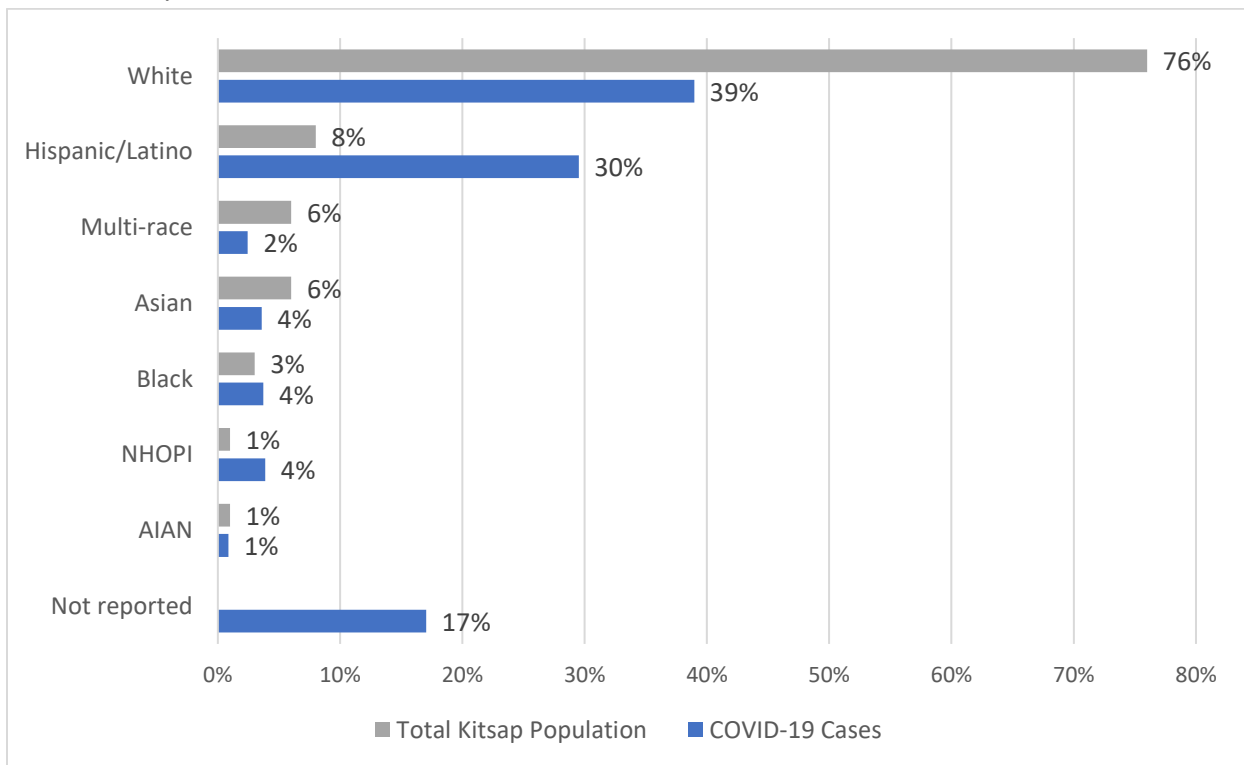


## Kitsap Lab-Confirmed COVID-19 Case Characteristics

### Cases with Specimen Collection Dates from March - July

Race and ethnicity of cases are available for 83% (579) of the 698 cases and are self-reported. Compared to the race/ethnicity of the total Kitsap County population, for COVID-19 cases there is a higher percent among Hispanic/Latino (30% of cases compared to 8% of the total population), Non-Hispanic Black (4% of cases compared to 3% of the total population), and Native Hawaiian or other Pacific Islanders (4% of cases compared to 1% of the total population).

Figure 5: Percent of COVID-19 Lab-Confirmed Positive Cases and Total Kitsap Population by Race/Ethnicity, N=698

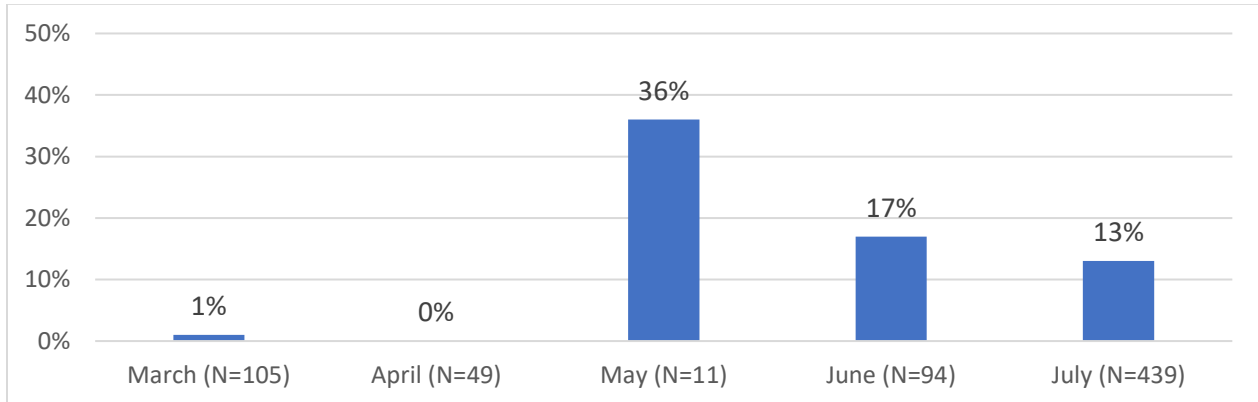


## Kitsap Lab-Confirmed COVID-19 Case Characteristics

### Cases with Specimen Collection Dates from March - July

**Case Symptoms:** Data on symptom or the lack of symptoms (asymptomatic) was available for 98% of cases (683 of 698). Cases did not always provide information about all possible symptoms (see table 1). Of the 683 cases who reported their symptoms or lack of symptoms, 77 (11%) reported being asymptomatic (having no symptoms).

Figure 6: Percent of COVID-19 Lab-Confirmed Positive Cases who Report Being Asymptomatic by Month, N=698



For the cases who provided information about the presence or absence of symptoms, the most reported symptom was cough, which was reported by 60% of cases. Dry cough was more often reported than productive cough, however, if a respondent was not specific about type of cough, it was assumed to be a dry cough. Over half of cases reported having a fever (53%) and having a headache (56%). Other symptoms can be seen in table 1. Kitsap County residents with COVID continued to report being diagnosed with pneumonia (N=17) and acute respiratory distress syndrome (ARDS) (N=1) in July.

Table 1. Number and Percentage of COVID-19 Lab-confirmed Positive Cases Reporting Symptoms

	# Reporting Symptom	Total # Answering Question	% Reporting Symptom
<b>Cough (any type)</b>	405	670	60%
<b>Dry Cough</b>	307	659	47%
<b>Productive Cough</b>	150	634	24%
<b>Headache</b>	359	646	56%
<b>Fever</b>	356	668	53%
<b>Sore throat</b>	241	643	37%
<b>Shortness of Breath</b>	172	641	27%
<b>Nausea/Vomiting</b>	156	649	24%
<b>Pneumonia</b>	48	637	8%
<b>Acute Respiratory Distress Syndrome (ARDS)</b>	4	597	1%

## Kitsap Lab-Confirmed COVID-19 Case Characteristics

### Cases with Specimen Collection Dates from March - July

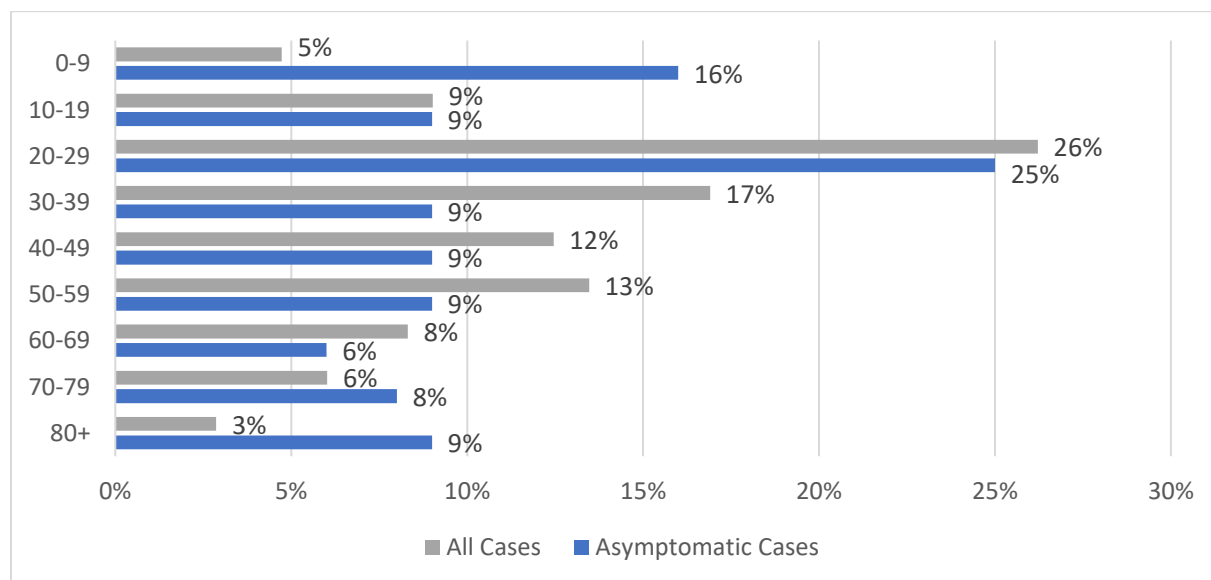
From March – July, 17% (120) of lab-confirmed cases reported extreme tiredness or fatigue and 7% (51) reported a loss of (or change in) taste and/or smell. Reporting of these two symptoms is incomplete because they were added to the case investigation form after the CDC and WA State Department of Health (DOH) updated the list of symptoms associated with COVID-19. Some individuals reported these symptoms as “other symptoms” prior to their inclusion in the form, loss of taste/smell was added in the 3/31/2020 update and fatigue was added in the 7/23/2020 update.

Over a third of cases (35%) reported having at least one pre-existing condition. Of cases reporting a pre-existing condition (N=245), 25% reported asthma, 20% reported diabetes, and 10% reported high blood pressure. All other pre-existing conditions were reported by less than 10% of cases. In addition, 6% percent of all cases (N=698) reporting being current tobacco or marijuana smokers.

**Asymptomatic Case Demographics:** Of the 77 cases who reported being asymptomatic, 58% (45) are male compared to 51% of all cases (358 of 698).

The average age of asymptomatic cases is 38 years compared to 39 years for all cases. The median age for asymptomatic cases and all cases is the same, 35 years.

*Figure 7: Percent of All COVID-19 Lab-Confirmed Positive Cases and Asymptomatic Cases by Age Range, N=698*



## Kitsap Lab-Confirmed COVID-19 Case Characteristics

### Cases with Specimen Collection Dates from March - July

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Compared to the age distribution of all cases (N=698), for asymptomatic cases (n=77), there is a higher percent among 0 – 9 year olds (16% of asymptomatic cases compared to 5% of all cases) and 80+ year olds (9% of asymptomatic cases compared to 3% of all cases).

**Employment:** Lab-confirmed cases serve in a variety of roles in our community. The roles are self-reported and may not be complete, so analysis may under-represent these categories.

Some cases may be counted in more than one role.

- 85% of those between the ages of 20 - 69 reported being employed
- 18% reported being in the military or working for the military (PSNS, Contractors, Active Duty)
- 14% reported having a high contact job (retail, restaurant, etc.)
- 10% reported being a healthcare workers or first responders
- 5% reported working in or living at a long-term care facilities

**Potential Method of Exposure:** In case interviews, cases are asked about their potential exposures to COVID-19. The potential exposures are self-reported and may not be complete.

Some cases may be counted in more than one method of exposure.

- 40% shared an address with another case
- 18% were associated with an outbreak
- 15% reported being in close contact with a case in their workplace
- 13% reported having traveled out-of-state recently
- 6% reported attending a social event recently (parties, funerals, weddings, etc.)

**Outbreaks:** An outbreak is defined as 2 or more cases of COVID-19 in people who do not live together, with an epidemiological link, within 14 days of each other in a workplace, congregate living or institutional setting. An outbreak in a long-term care facility is 1 or more cases of COVID-19 in a resident or staff member.

Of the 32 outbreaks identified, the most common type were at long-term care/senior living facilities (10), hospitality businesses (6), and military facilities (5). Of all cases, 18% were associated with an outbreak.

## Kitsap Lab-Confirmed COVID-19 Case Characteristics

### Cases with Specimen Collection Dates from March - July

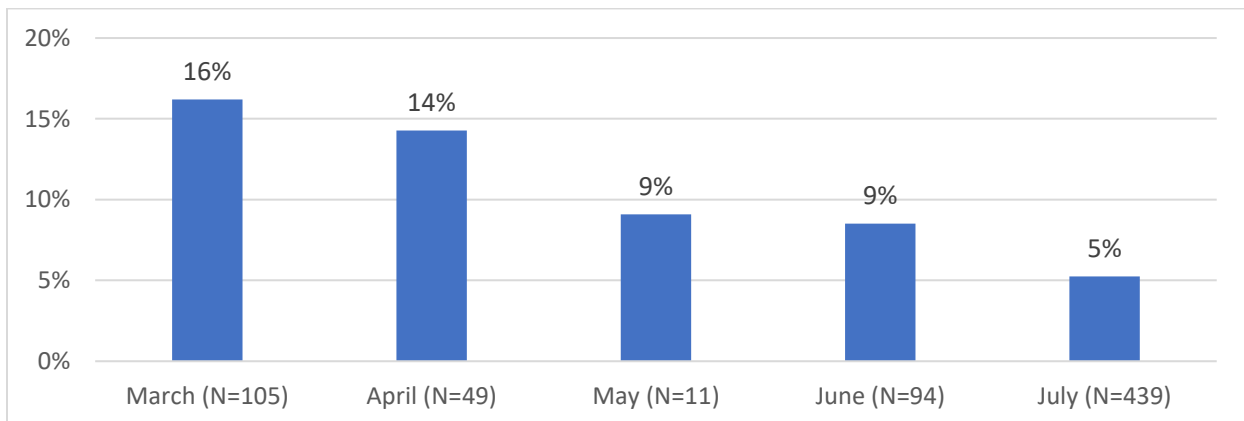
Table 2. Number of Outbreaks and Number of Cases Associated with the Outbreaks by Type

Type of Outbreak	# Outbreaks	# Cases Associated
Long-term care/senior living	10	26
Hospitality (Restaurants, Lodging)	6	20
Military	5	41
Healthcare	4	12
Other workplace (Manufacturing, Utilities, Retail, etc.)	3	12
School/Childcare	2	6
Group events (travel, meetings, social)	2	6
<b>Total</b>	<b>32</b>	<b>123</b>

**Hospitalizations:** Hospitalization status is obtained from cases during interview by Kitsap Public Health District, as well as during daily monitoring. If hospitalizations are local we are able to confirm with the hospital. Hospitalizations are also reported by the State Department of Health and Washington hospitals. Hospitalization may not be reported for military members. Hospitalization status is as of 8/10/2020, and will change if a case is reported as being hospitalized after 8/10/2020.

Of the 698 cases, 56 (8%) have been hospitalized. The percentage of cases hospitalized has declined over time.

Figure 8: Percent of COVID-19 Lab-Confirmed Positive Cases Hospitalized by Specimen Collection Month, N=56

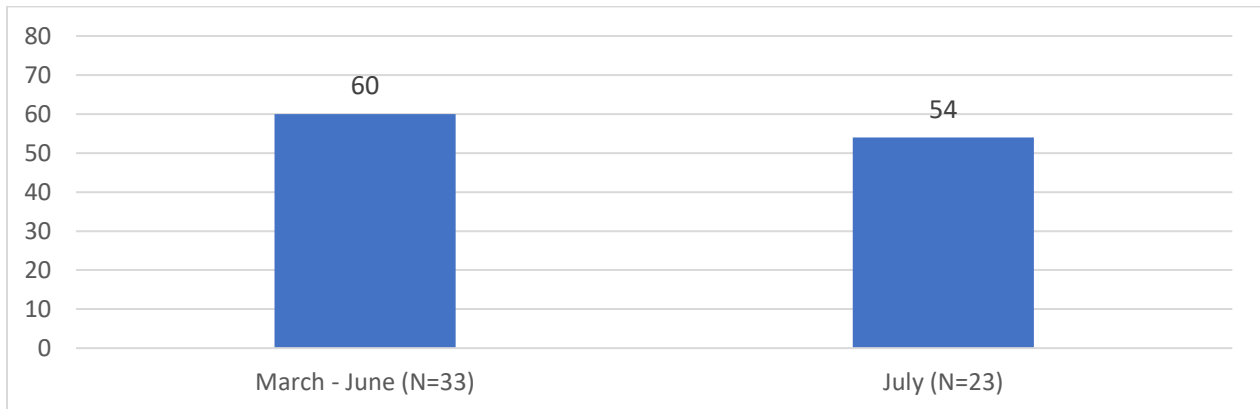


Of the 56 hospitalized cases, less than half (45%) were female. The average and median age of those hospitalized was 58 years. Overall, the average age of those hospitalized has been lower in July compared to the first four months (March, April, May, June).

## Kitsap Lab-Confirmed COVID-19 Case Characteristics

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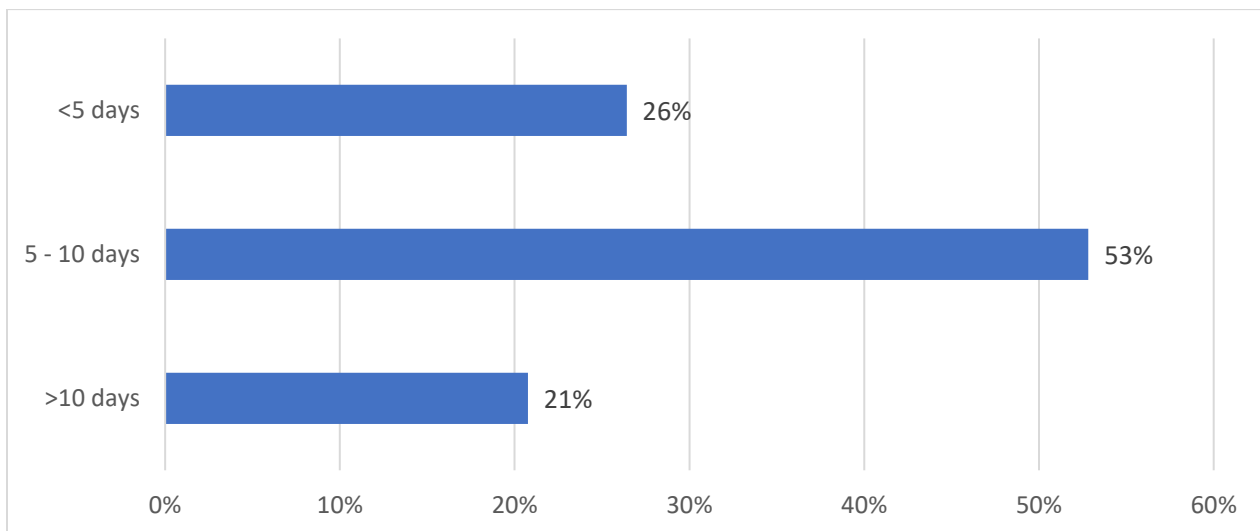
Figure 9: Average Age of COVID-19 Lab-Confirmed Positive Cases Hospitalized by Specimen Collection Month, N=56



For the 56 hospitalized cases, 30% (17) did not report their race or ethnicity, 29% (16) identified as non-Hispanic White, and 41% (23) identified as non-White.

For those with complete hospitalization data (N=53), the average hospital stay was 9 days, with a median of 6 days. Some hospitalized patients were unable to return to their residence until a negative test was recorded, artificially lengthening their hospital stay.

Figure 10: Percent of COVID-19 Lab-Confirmed Positive Cases by Duration of Hospital Stay, N=53



**Deaths:** As of August 10<sup>th</sup>, Kitsap County is reporting 6 COVID-19-associated deaths that occurred from March - July. The deaths occurred in March (1), April (2), and July (3). Four of the six deaths were male (67%). The average age of those who died was 68 years and the median age of those who died was 77 years. All of the individuals who died of COVID-19-associated death reported having a pre-existing condition.