

# St. Michael Medical Center Bremerton COVID-19 Outbreak – Preliminary Primary Case Characteristics Report (9/11/2020)

**Introduction:** The Kitsap Public Health District, with support from the State Department of Health, is working with St. Michael Medical Center in Bremerton to control an outbreak of COVID-19 identified at the hospital in August. This report summarizes the information on lab-confirmed primary cases linked to the St. Michael Medical Center Bremerton COVID-19 Outbreak. At the time of this report, 73 primary cases have been linked to the outbreak.

**Primary Case Definition:** A person with a lab-confirmed positive PCR test for COVID-19 who is an inpatient, staff member, or other case (see definition below) who was on impacted units (2W, 3W, 4W, 3N) from 7/27/2020 – 8/27/2020 with a feasible epidemiologic link to a previous case as determined by a KPHD investigation and with no other plausible source of exposure.

**Other Case:** Includes individuals with a lab-confirmed positive PCR test for COVID-19 who were at the hospital and on impacted units during the transmission period who are not staff or patients.

**Table 1: Demographics of Associated Confirmed Cases by Type of Case (Patient/Staff/Other) and Hospital Unit**

	Hospital Unit					Total
	2W	3W	4W	3N	Hospital-Wide**	
<b>Overall Total</b>	<b>26</b>	<b>23</b>	<b>5</b>	<b>11</b>	<b>8</b>	<b>73</b>
<b>Patient Total</b>	<b>8</b>	<b>8</b>	<b>3</b>	<b>5</b>	<b>0</b>	<b>24</b>
Male N (%), Female N (%)	5 (62.5), 3 (37.5)	4 (50), 4 (50)	2 (67), 1 (33)	3 (60), 2 (40)	-	14 (58), 10 (42)
Median Age – Years	74	70	78	66	-	74
<b>Staff Total</b>	<b>16</b>	<b>15</b>	<b>2</b>	<b>5</b>	<b>8</b>	<b>46</b>
Male N (%), Female N (%)	3 (19), 13 (81)	2 (13), 13 (87)	1 (50), 1 (50)	1 (20), 4 (80)	3 (37.5), 5 (62.5)	10 (22), 36 (78)
Median Age – Years	43	37	35	51	27	39
<b>Other Total</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>3</b>
Male N (%), Female N (%)	1 (50), 1 (50)	-	-	*	-	1 (33), 2 (67)
Median Age - Years	55	-	-	*	-	61

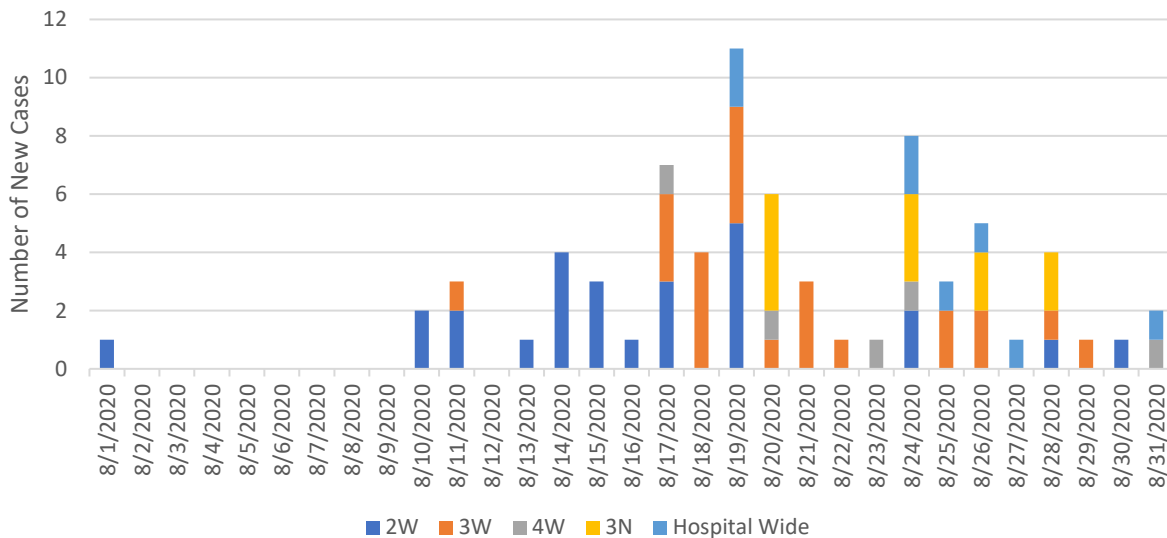
\* Data suppressed due to small numbers

\*\* Hospital-wide: Staff members who work throughout the entire hospital, including the impacted units (2W, 3W, 4W, 3N).

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**Counties of Residence:** Confirmed cases associated with the outbreak reside in multiple counties: Clallam, Grays Harbor, Jefferson, King, Kitsap, Mason, and Pierce. Kitsap County residents account for 82% of associated cases and 18% are residents of other counties.

**Figure 1: Linked Confirmed Cases by Specimen Collection Date and Hospital Unit**



At the time of this report, the last reported case associated with this outbreak had a specimen collection date of August 31, 2020.

**Symptoms:** Cases did not always provide information about all possible symptoms. For associated patients, the most reported symptom was cough (any type); reported by 45% of cases. For associated staff, the most reported symptom was fatigue; reported by 82% of cases. The table below shows the percentages of symptoms reported by patients and staff, other cases (N=2) reported having at least one of the following: cough (both dry and productive), shortness of breath, fatigue, sore throat and headache.

**Table 2: Percentage of Associated Confirmed Cases Reporting Symptoms by Type of Case (Patient/Staff/Other)**

	% Reporting Symptom (N)	
	Patient (N=24)	Staff (N=46)
Asymptomatic	29% (21)	9% (44)
Fever	40% (20)	43% (44)
Cough – Any Type	45% (20)	66% (44)
Cough – Dry	28% (18)	51% (39)
Cough - Productive	22% (18)	15% (39)
Shortness of Breath	17% (18)	33% (40)
Nausea/Vomiting	16% (19)	26% (42)

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Pneumonia	16% (19)	5% (42)
ARDS	0% (20)	0% (42)
Fatigue	39% (18)	82% (38)
Loss of taste/smell	0% (19)	7% (42)
Sore throat	17% (18)	55% (42)
Headache	26% (19)	66% (41)

**Hospitalizations:** At the time of this report, 25 COVID-19 cases associated with the outbreak (34% of all associated cases) have been hospitalized. Of those hospitalized, 24 are patients and 1 is a staff member. The median hospital duration of all those hospitalized is 30 days (this includes days before and after COVID-19 diagnosis). The median hospital duration prior to cases' specimen collection is 14.5 days. A total of 7 patients were discharged before their specimen collection. Two discharged patients were readmitted after they tested positive for COVID-19.

**Primary Case Death Definition:** A primary case who died with COVID-19 listed as a primary or contributing cause of death on their death certificate.

**Deaths:** At the time of this report, there have been 3 COVID-19 associated deaths among confirmed cases associated with the outbreak. These deaths include residents from Kitsap County and 1 other county. The deaths all occurred among patients with underlying health conditions. The median age of those who died was 78 years old. The median length of their hospital admission, prior to their death, was 35 days (this includes days before and after COVID-19 diagnosis).