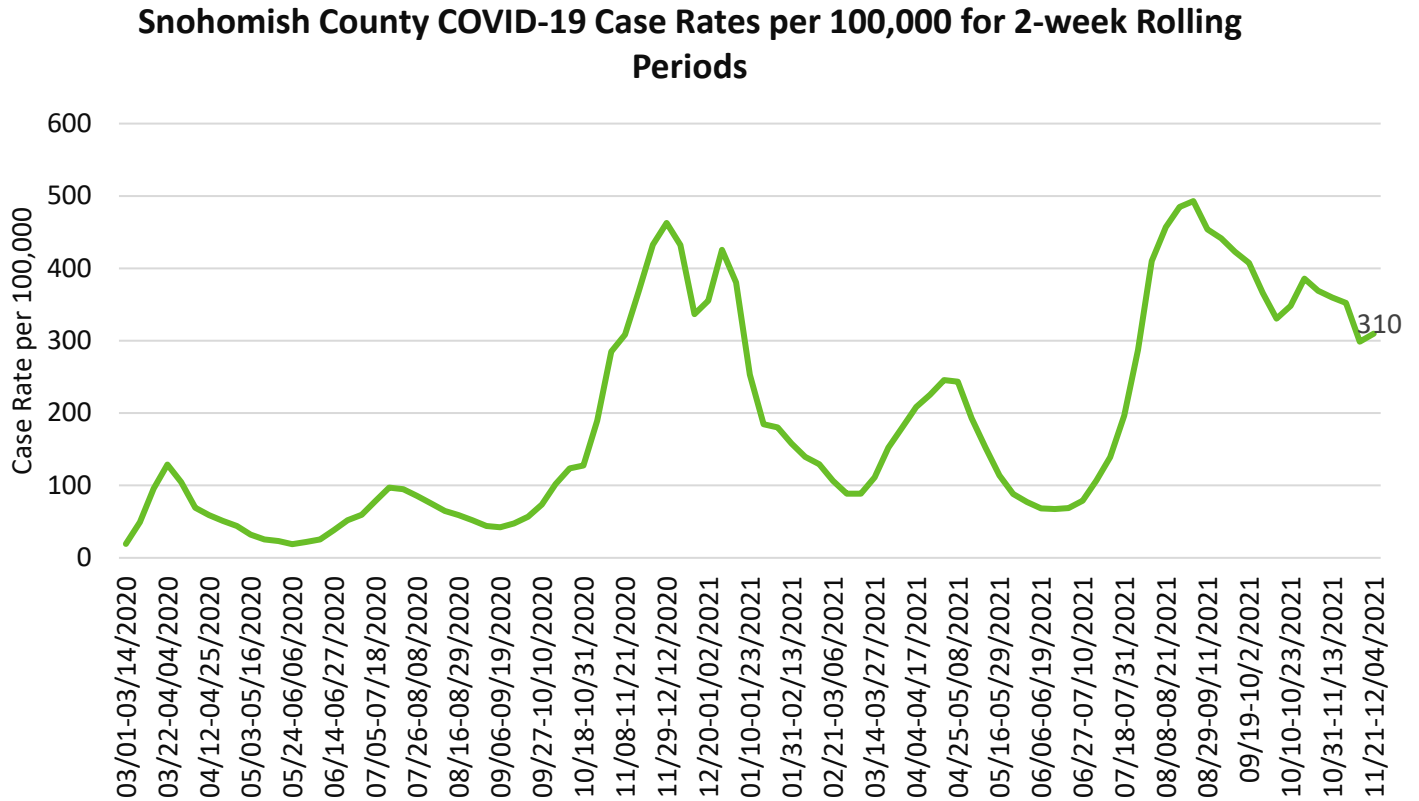


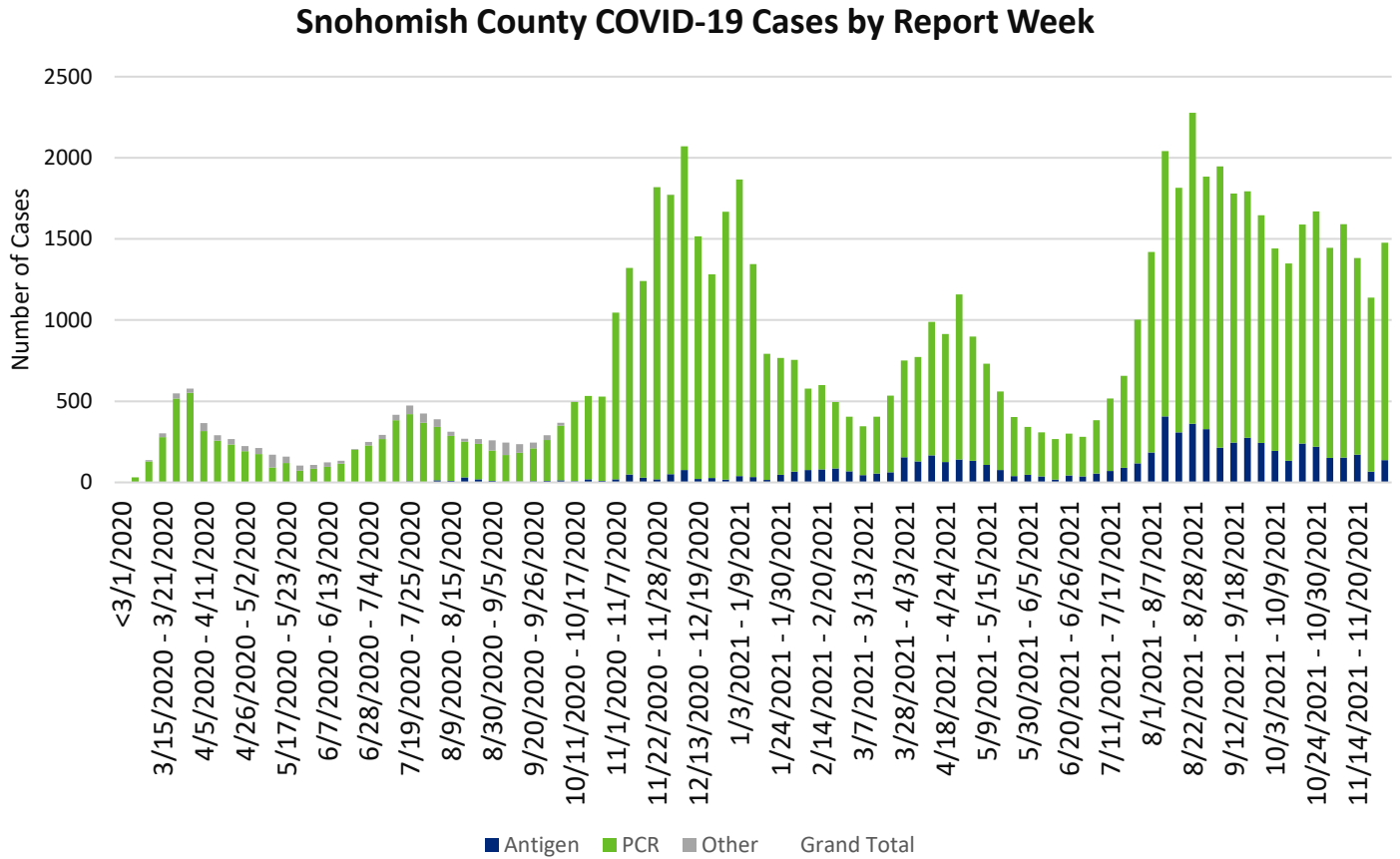
**COVID-19 EPIDEMIOLOGIC OVERVIEW**

**Figure 1: Snohomish County COVID-19 case rates per 100,000**

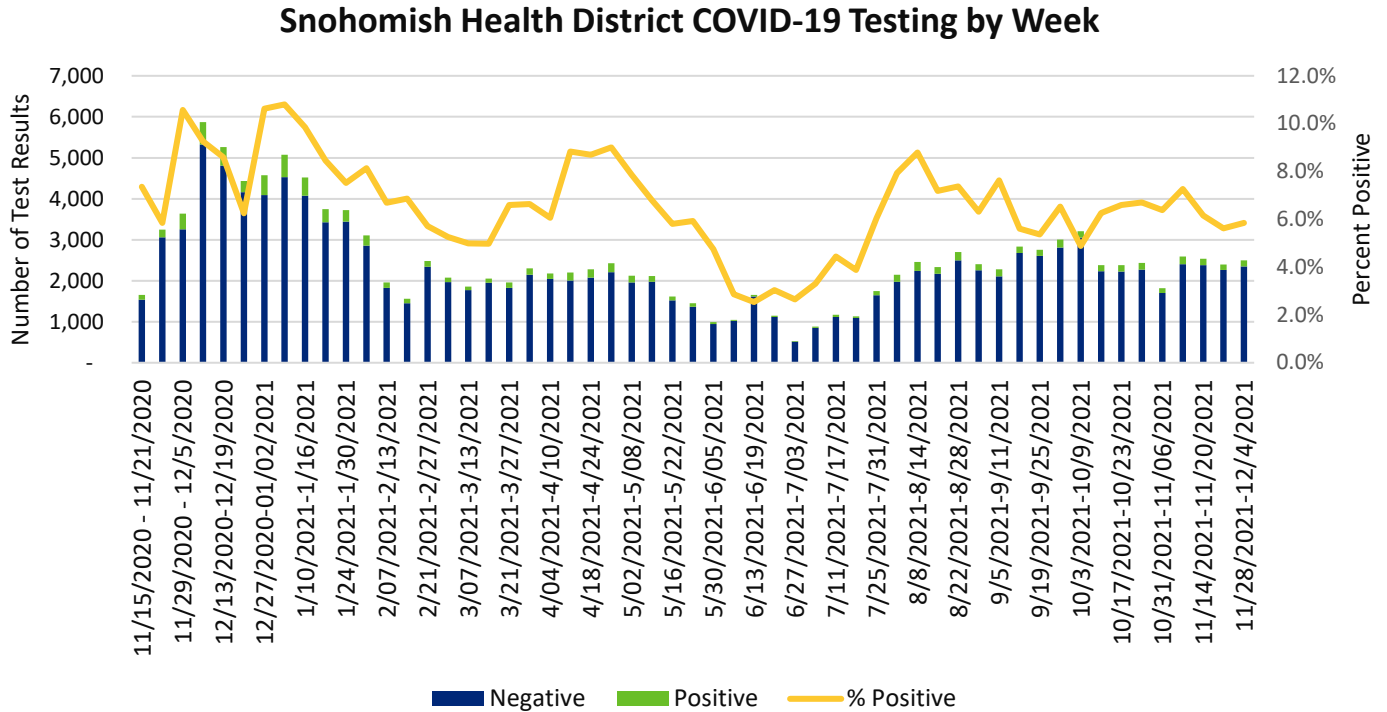


Data source: Snohomish Health District COVID-19 database.

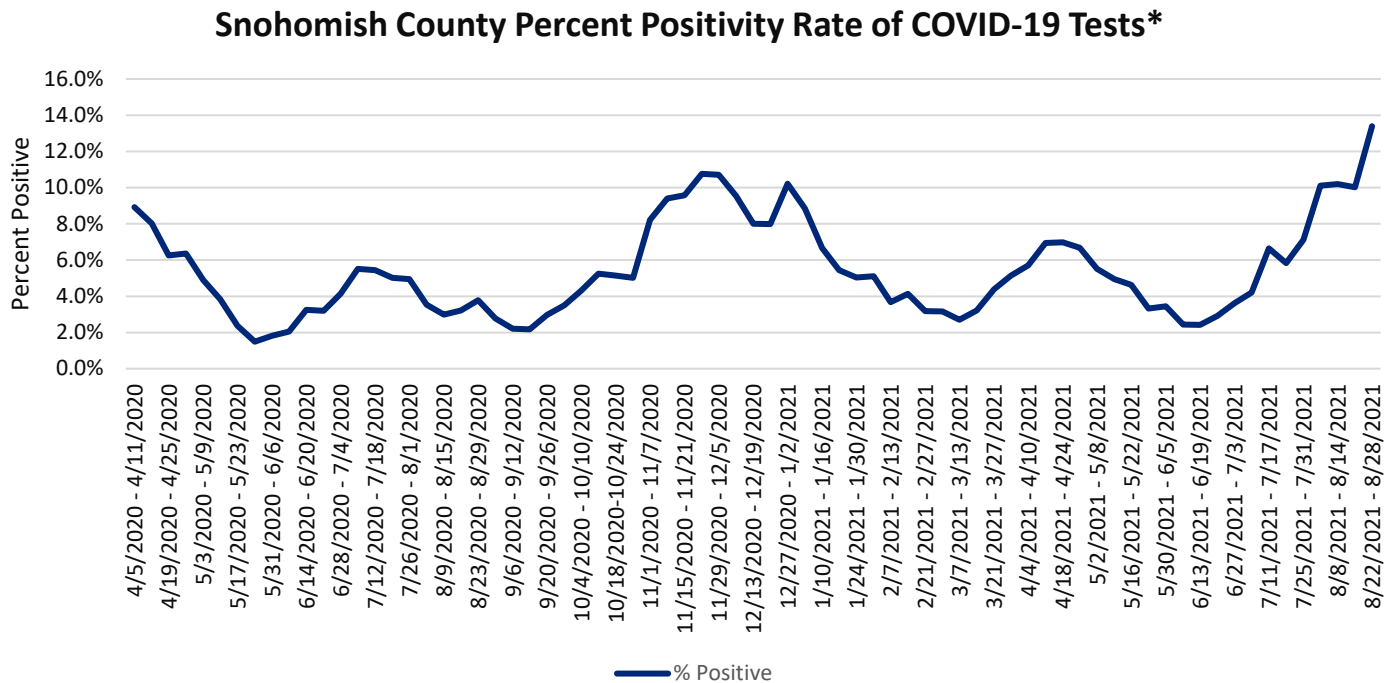
Figure 2: Number of Snohomish County COVID-19 cases by specimen collection date



**Figure 3: Snohomish Health District COVID-19 testing by week**



**Figure 4: Snohomish County percent positivity rate of COVID-19 testing**



\*Data source: Washington State Department of Health COVID-19 data dashboard. Data is incomplete past 8/28/2021 and is not included.

**Table 1: Sex at birth of COVID-19 cases in Snohomish County**

Sex at birth	November 2021	October 2021	Cumulative 1/20/2020-11/30/2021
Female	2,941	3,285	36,295
Male	3,071	3,268	36,560
Unknown	4	11	63
<b>Grand Total</b>	<b>6,016</b>	<b>6,564</b>	<b>72,918</b>

**Table 2: Age group of COVID-19 cases in Snohomish County**

Age group in years	November 2021	October 2021	Cumulative 1/20/2020-11/30/2021
0-14	1,338	1,483	10,262
15-19	367	430	5,096
20-29	839	814	13,167
30-39	1,103	1,162	13,689
40-49	906	970	11,336
50-59	743	802	9,222
60-69	443	536	5,687
70-79	186	247	2,650
80+	91	119	1,784
Unknown	0	1	25
<b>Grand Total</b>	<b>6,016</b>	<b>6,564</b>	<b>72,918</b>

Figure 5: Snohomish County cumulative total COVID-19 cases by age group

### Snohomish County COVID-19 Cases by Age Group

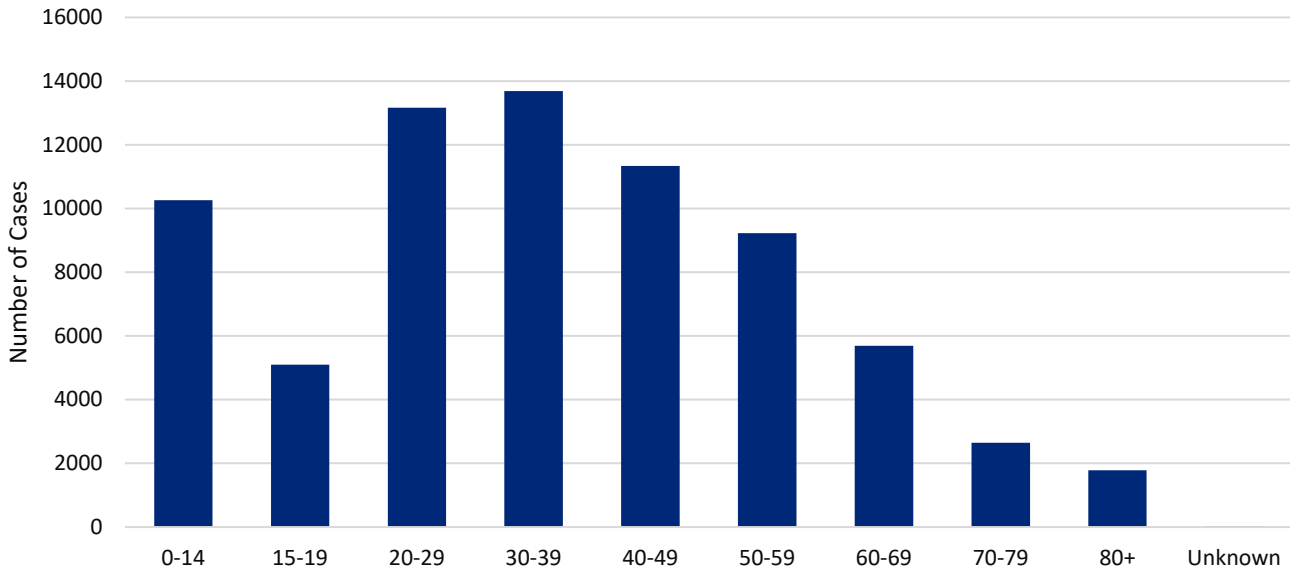


Figure 6: Snohomish County cumulative COVID-19 case rates per 100,000 by age group

### Snohomish County COVID-19 Case Rates per 100,000 by Age Group

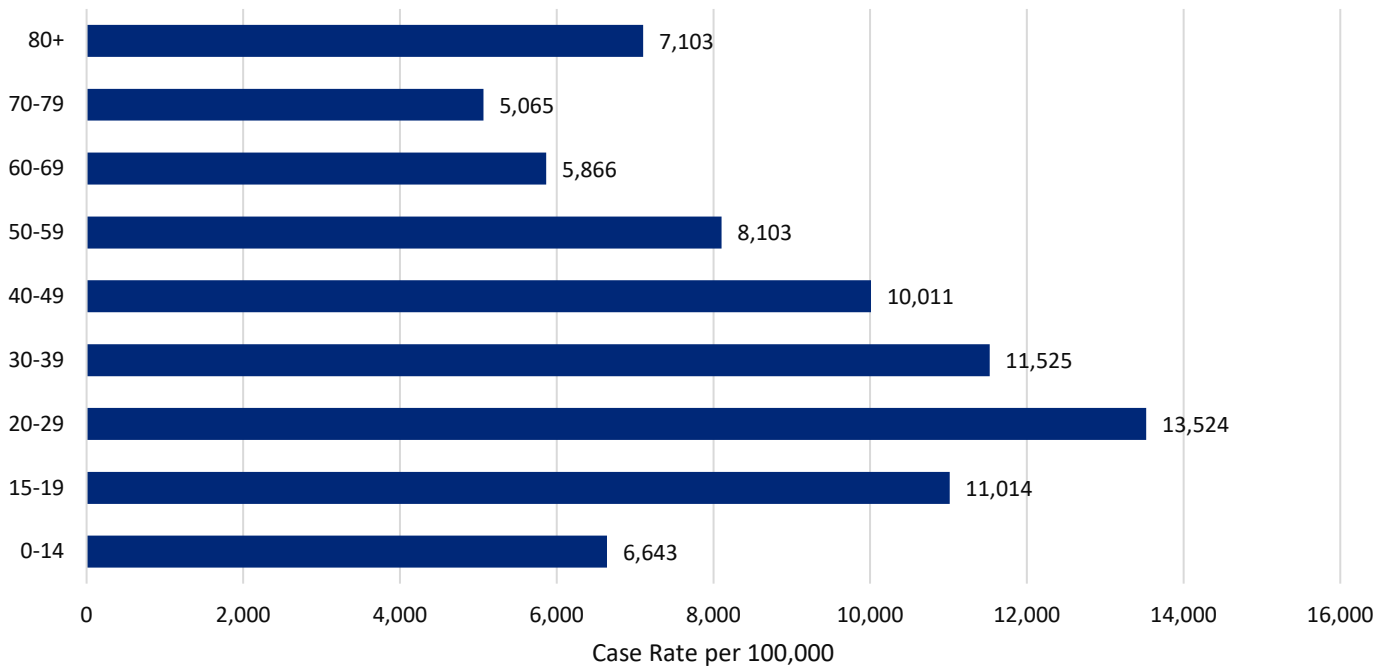


Figure 7: Number of COVID-19 cases by specimen collection date and age group

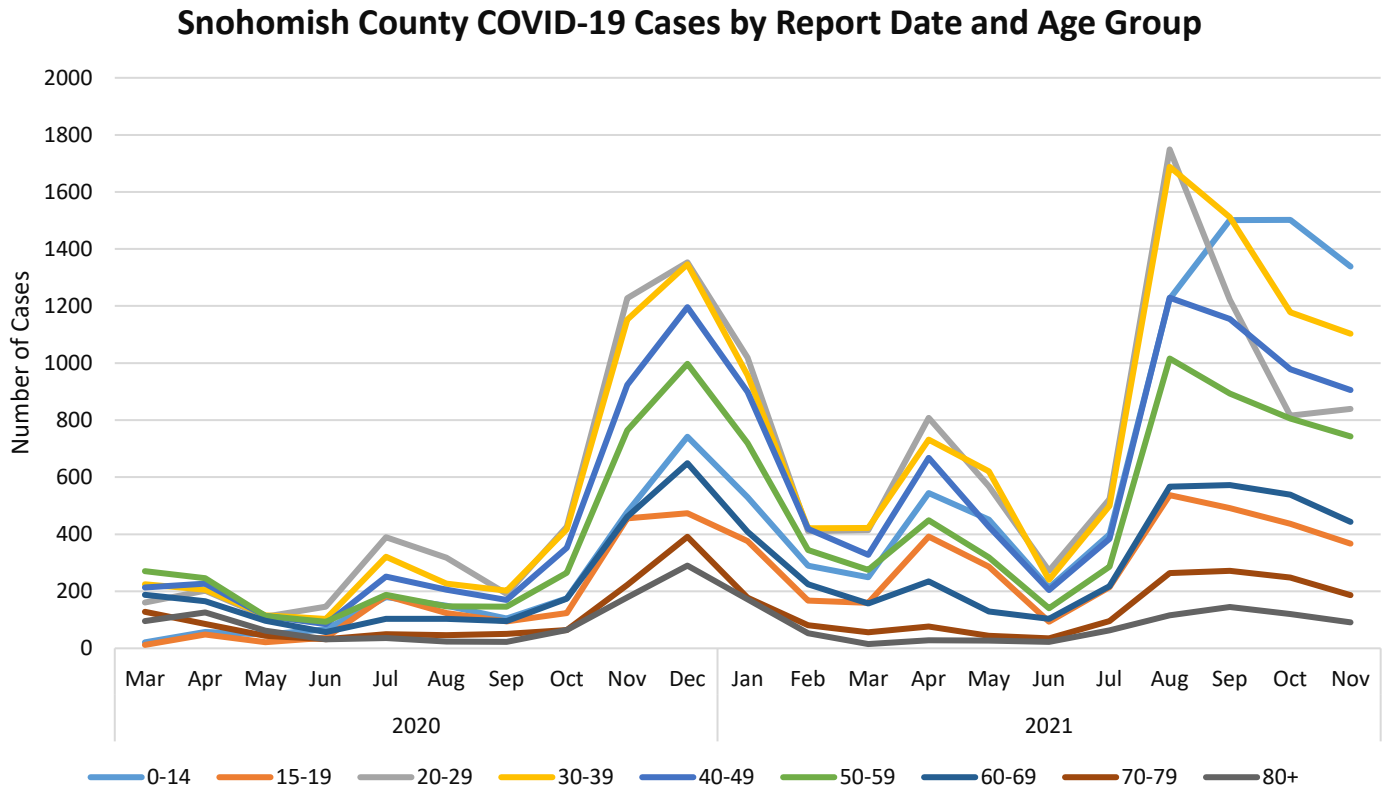
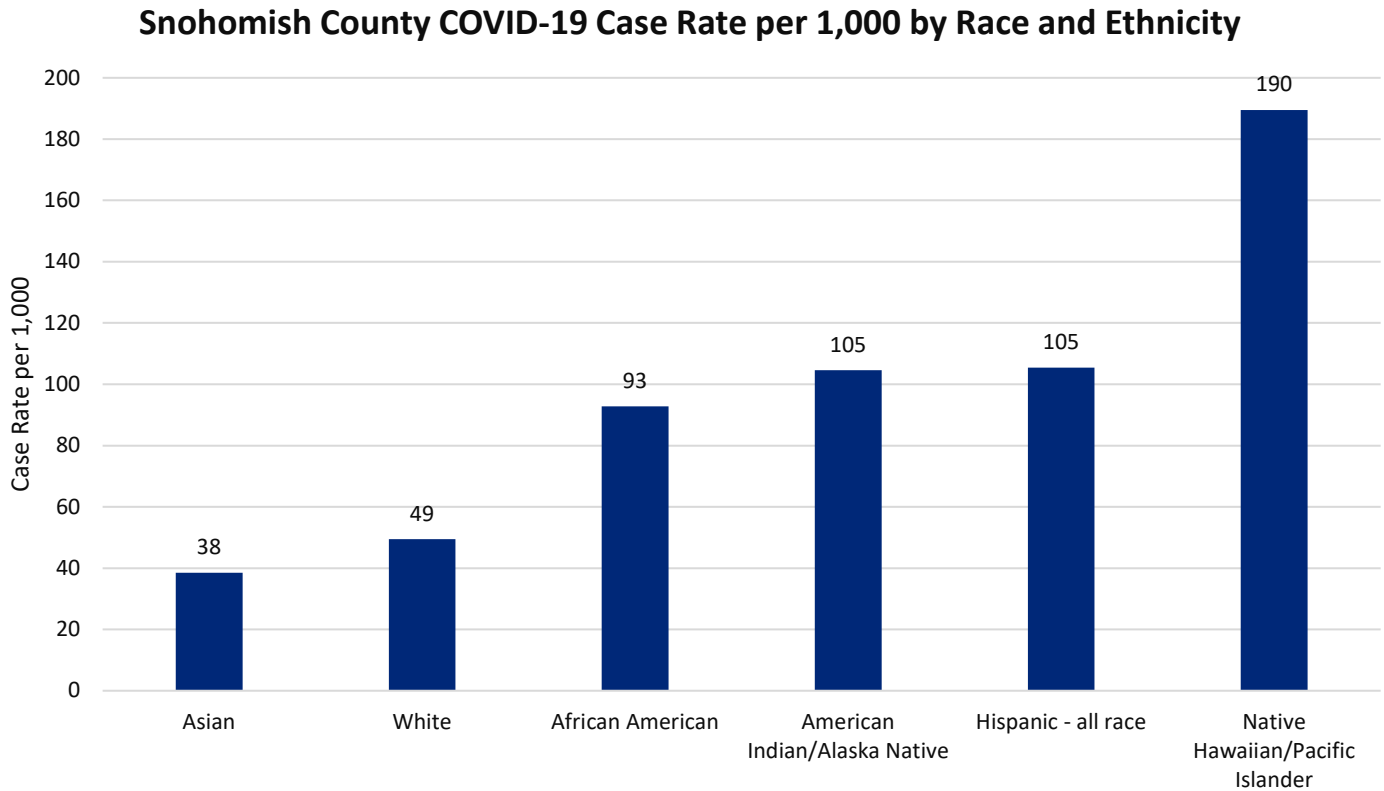


Table 3: COVID-19 cases by race and ethnicity

Race non-Hispanic	Case count	Population	Rate per 1,000	Relative Risk	95% CI Lower	CI Upper
African American	2,360	25,435	92.8	1.9	1.8	2.0
American Indian/Alaska Native	962	9,195	104.6	2.1	2.0	2.3
Asian	3,797	98,685	38.5	0.8	0.8	0.8
Native Hawaiian or Pacific Islander	895	4,722	189.5	3.8	3.6	4.1
White	27,931	564,701	49.5	1.0		
Other, not Hispanic	1,046	---	---	---	---	---
<b>Ethnicity</b>						
Hispanic	9,545	90,576	105.4	2.1	2.1	2.2
Total confirmed case with race/ethnicity data	46,536	---	---	---	---	---
Total confirmed cases in data set	72,823	---	---	---	---	---
% with race or ethnicity data	63.9%	---	---	---	---	---

Data source: Washington Disease Reporting System (WDRS). Population data from Washington State Office of Financial Management (WA OFM).

**Figure 8: Number of COVID-19 cases by Race and Ethnicity, Snohomish County**



**Table 4: Hospitalization of COVID-19 cases in Snohomish County**

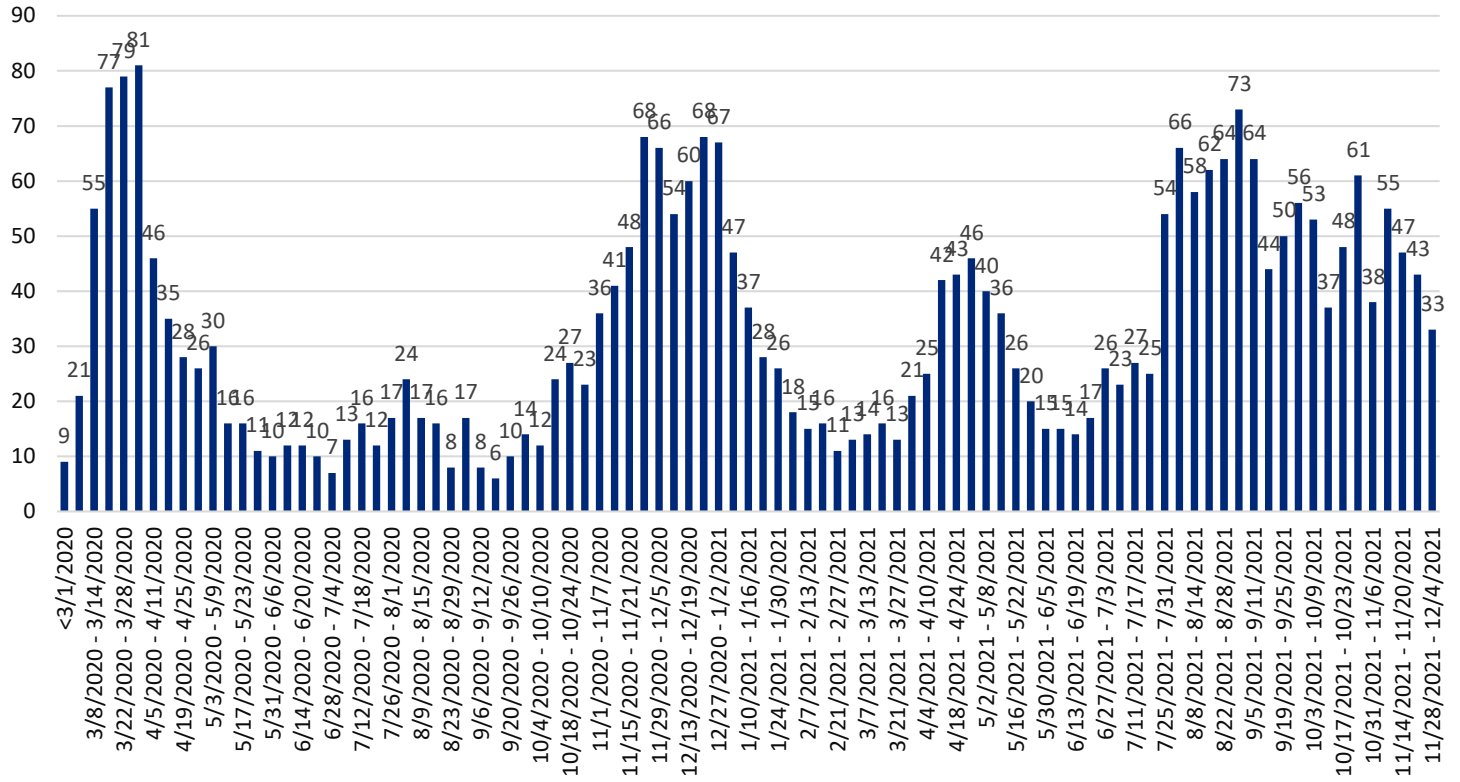
Ever hospitalized	November 2021	October 2021	Cumulative 1/20/2020-11/30/2021
No	3,395	3,710	42,546
Yes	186	219	2,903
Unknown	2,435	2,635	21,213
<b>Grand Total</b>	<b>6,016</b>	<b>6,564</b>	<b>66,662</b>

**Table 5: COVID-19 hospitalizations by race and ethnicity**

Race non-Hispanic	Case count	Population	Rate per 1,000	Relative Risk	95% CI Lower	CI Upper
African American	79	25,435	3.1	1.2	1.0	1.5
American Indian/Alaska Native	66	9,195	7.2	2.8	2.2	3.5
Asian	179	98,685	1.8	0.7	0.6	0.8
Native Hawaiian or Pacific Islander	46	4,722	9.7	3.8	2.8	5.0
White	1454	564,701	2.6	1		
Other, not Hispanic	48	---	---	---	---	---
<b>Ethnicity</b>						
Hispanic	312	90,576	3.4	1.3	1.2	1.5

**Figure 9: COVID-related hospital admissions by week**

**Snohomish County COVID-related Hospital Admissions by Week**



Data source: Snohomish Health District COVID-19 database



**Table 6: COVID outbreaks by type**

Type of outbreak	November 2021	October 2021	Cumulative 1/20/2020-11/30/2021
Adult family home	1	8	79
Agriculture	0	1	8
Bar	0	1	6
Behavioral health	1	3	9
Camp	0	0	2
Childcare	2	1	76
Community	0	0	1
Construction	4	2	94
Corrections	0	0	2
Distribution	0	1	14
Emergency services	0	0	5
Faith based services	3	4	43
Financial Institution	2	2	13
Food processing	0	2	19
Government	1	2	26
Gym	0	0	3
Healthcare provider	0	0	19
Home health	0	0	4
Hospital	0	0	7
Landscaping	0	1	12
Leisure/recreation	4	0	25
LTCF	9	4	143
Manufacturing	37	23	193
Personal Care and Services	1	0	16
Real estate	1	2	16
Restaurant	7	2	112
Retail	18	22	195
School	4	20	136
Service provider	6	4	116
Shelter	0	0	6
Social Event	0	0	28
Supported Living	0	0	4
Transportation	2	0	10
Utilities	0	3	21
Youth Sports	0	2	7
<b>Total number of outbreaks (number of cases)</b>	<b>103 (Cases 393, median 3, range 1-16)</b>	<b>110 (Cases 636, median 4, range 1-23)</b>	<b>1470 (Cases 9,547, median 3 cases, range 1-749)</b>

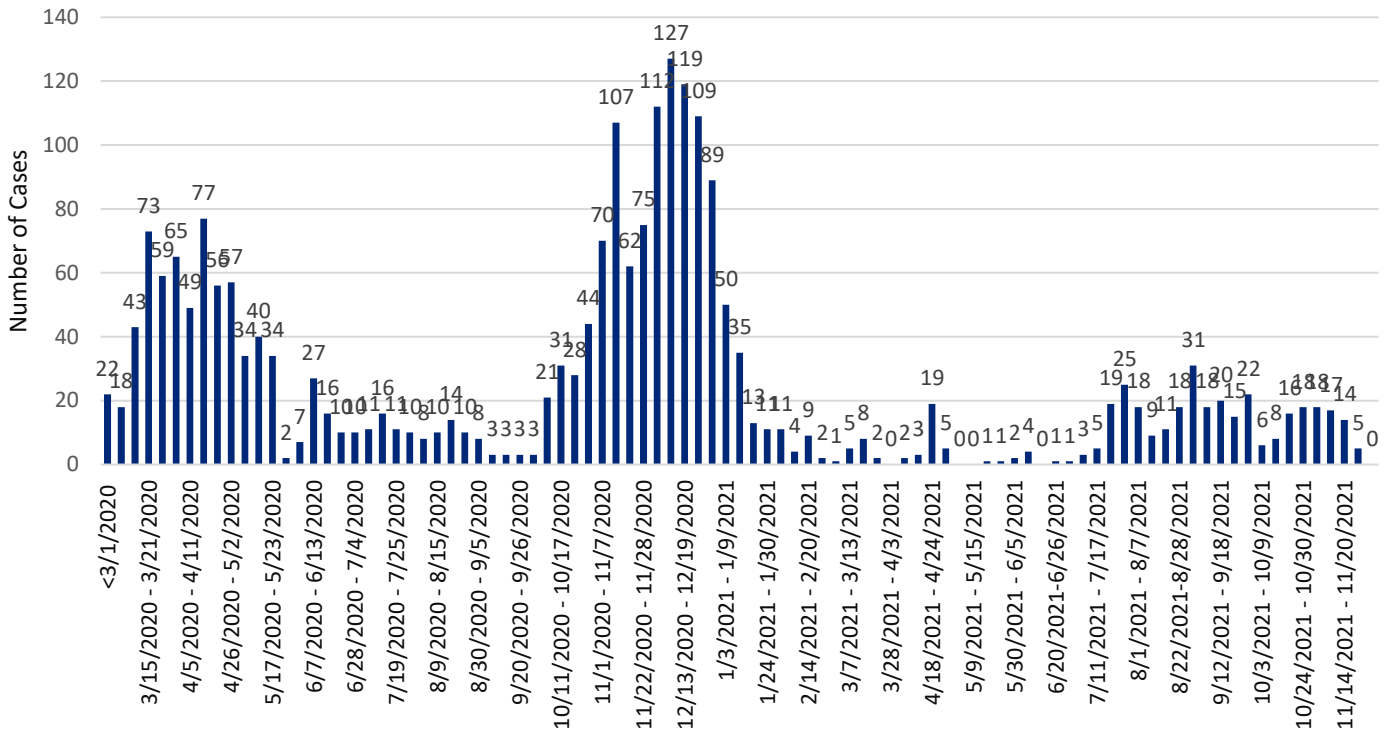
**COVID-19 IN LONG-TERM CARE FACILITIES**

**Table 7: Long-term Care Facility (LTCF) Associated COVID-19 Cases (includes: adult family homes (AFH), assisted living facilities (ALF), skilled nursing facilities (SNF) and other congregate living facilities)**

Facility Name	Facility Type	Date of last case	Total staff cases	Total resident cases	Total cases
Chateau Pacific	ALF	11/14/2021	5	6	11
Morningstar at Silver Lake	ALF	11/8/2021	0	6	6
Warm Beach (Cedar Court)	ALF	11/18/2021			12
Aldercrest Health and Rehab	SNF	11/18/2021	0	9	9
Josephine Caring Community	SNF	11/24/2021	16	0	16
Volunteers of America Maud's House	OTHER	11/29/2021	0	5	5

**Figure 10: LTCF-associated COVID-19 cases by onset date**

**Snohomish County Long-term Care Facility Associated COVID-19 Cases by Onset Date**

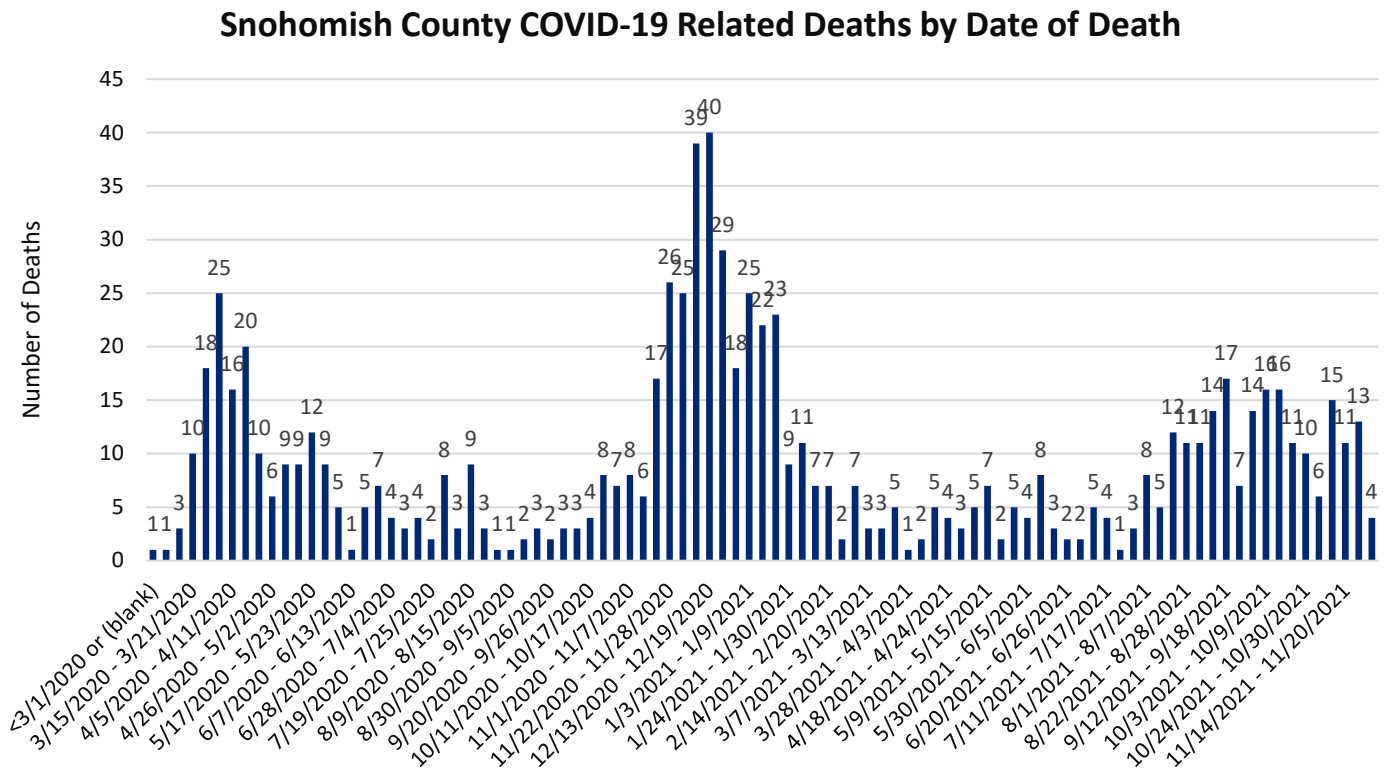


**Table 8: LTCF-associated cases ever hospitalized for COVID-19 illness (by date of report)**

Ever hospitalized	November 2021	October 2021	Cumulative 1/20/2020-11/30/2021
No	44	39	1,612
Yes	11	6	399
Unknown	8	9	301
<b>Grand Total</b>	<b>63</b>	<b>54</b>	<b>2,312</b>

**COVID-19 DEATHS**

**Figure 11: Snohomish County COVID-19 related deaths by date of death**



**Table 9: Gender of COVID-19 related deaths in Snohomish County by case report date**

Sex at birth	November 2021	October 2021	Cumulative 1/20/2020-11/30/2021
Female	15	17	385
Male	33	14	451
<b>Grand Total</b>	<b>48</b>	<b>31</b>	<b>836</b>

**Table 10a: Age group of COVID-19 related deaths in Snohomish County by report week**

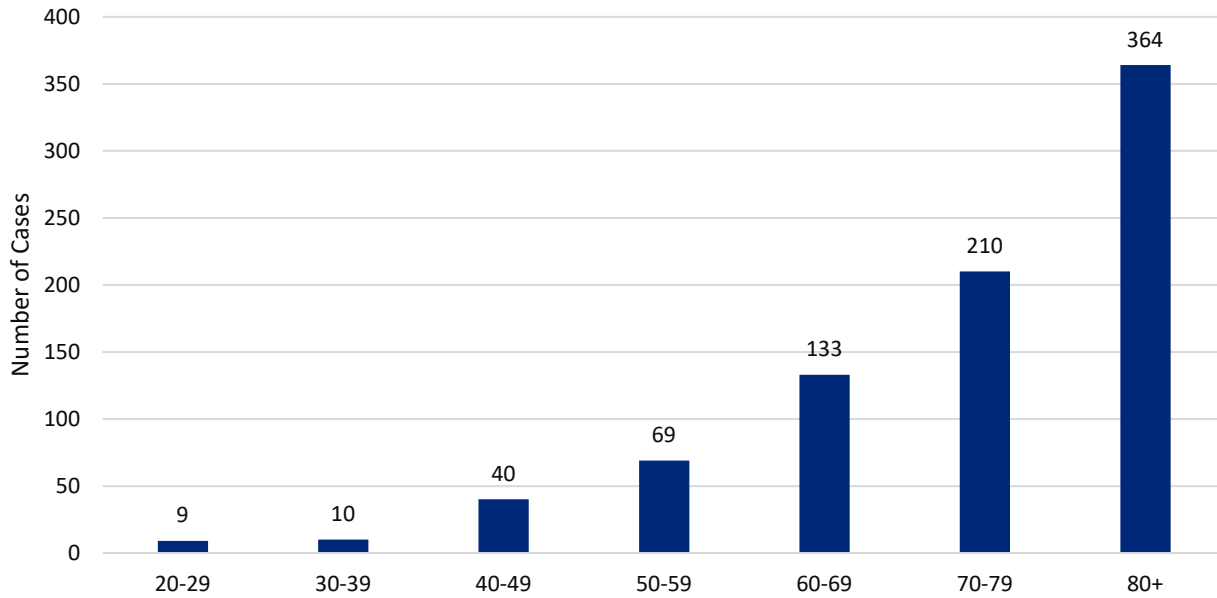
Age group in years	November 2021	October 2021	Cumulative 1/20/2020-11/30/2021
0-14	<5	<5	<5
15-19	<5	<5	<5
20-29	<5	<5	9
30-39	<5	<5	10
40-49	<5	<5	40
50-59	7	5	69
60-69	10	7	133
70-79	13	9	210
80+	13	8	364
<b>Grand Total</b>	<b>48</b>	<b>31</b>	<b>836</b>

**Table 10b. Age group of COVID-19 related deaths in Snohomish County – all deaths**

Age group in years	Number	Percent	Death rate per 100,000 population	Case Fatality Rate (%)
0-14	<5	<1%	N/A	0.0%
15-19	<5	<1%	N/A	0.0%
20-29	9	1%	9.2	0.1%
30-39	10	1%	8.4	0.1%
40-49	40	5%	35.3	0.4%
50-59	69	8%	60.6	0.7%
60-69	133	16%	137.2	2.3%
70-79	210	25%	401.4	7.9%
80+	364	44%	1,449.3	20.4%
<b>Grand Total</b>	<b>836</b>	<b>100%</b>	<b>100.7</b>	<b>1.1%</b>

**Figure 12: Number of Snohomish County COVID-19 related deaths by age group**

### Snohomish County COVID-19 Related Deaths by Age Group



\*Excludes 0–19-year-olds due to small numbers

**Table 11: COVID-19 related deaths by race and ethnicity**

Race non-Hispanic	Case count	Population	Rate per 1,000	Relative Risk	95% CI Lower	95% CI Upper
African American	16	25,435	0.6	0.6	0.4	0.9
American Indian/Alaska Native	20	9,195	2.2	2.0	1.3	3.1
Asian	63	98,685	0.6	0.6	0.5	0.8
Native Hawaiian or Pacific Islander	12	4,722	2.5	2.4	1.3	4.1
White	609	564,701	1.1	1.0	---	---
Other	21	---	---	---	---	---
<b>Ethnicity</b>						
Hispanic	50	90,576	0.6	0.5	0.4	0.7
<b>Total*</b>	<b>836</b>	<b>844,400</b>	<b>1.0</b>	---	---	---

\*Total includes all races plus other and unknown

**Table 12: COVID-19 case-hospitalization and case-death proportions**

Race non-Hispanic	Cases	Hospitalizations		Deaths		
		N	% of cases (95%CI)	N	% of cases (95%CI)	% of hospitalized
African American	2,360	79	3 (2.6,4.1)	16	<1 (0.3,1.0)	20.0%
American Indian/Alaska Native	962	66	7 (5.3,8.5)	20	2 (1.2,3.0)	30.6%
Asian	3,797	179	5 (4.0,5.4)	63	2 (1.3,2.1)	35.5%
Native Hawaiian or Pacific Islander	895	46	5 (3.7,6.6)	12	1 (0.6,2.1)	27.3%
White	27,931	1454	5 (4.9,5.5)	609	2 (2.0,2.4)	42.6%
<b>Ethnicity</b>						
Hispanic	9,545	312	3 (2.9,3.6)	50	1 (0.4,0.7)	16.3%

**Table 13: Underlying health conditions of COVID-19 related deaths in Snohomish County**

Underlying health condition	Number	Percent
Yes	703	84.1%
No	53	6.3%
Unknown	80	9.6%
<b>Grand Total</b>	<b>836</b>	<b>100.0%</b>

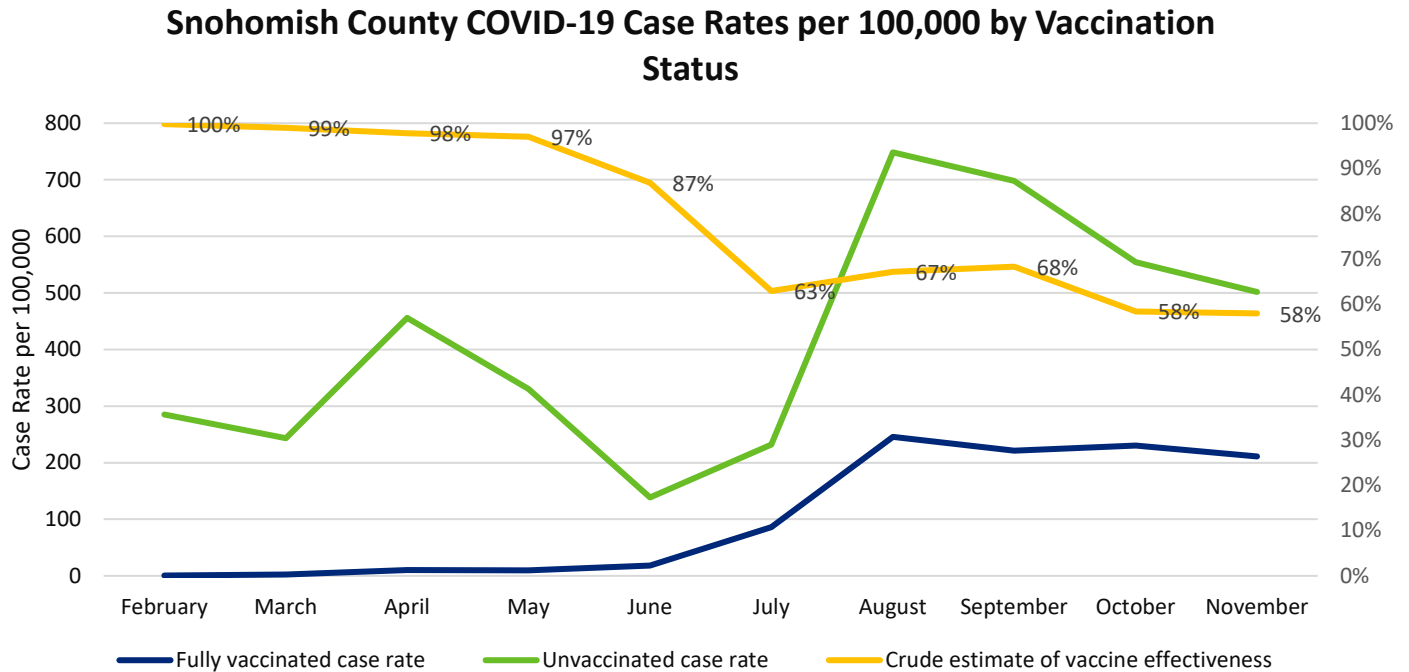
**Table 14: Hospitalization of COVID-19 related deaths in Snohomish County**

Ever hospitalized	Number	Percent
Yes	597	71.4%
No	189	22.6%
Unknown	50	6.0%
<b>Grand Total</b>	<b>836</b>	<b>100.0%</b>

**COVID-19 VACCINE BREAKTHROUGH**

A COVID-19 vaccine breakthrough case is defined as a COVID-19 lab positive case in a person that is considered fully vaccinated (≥2 weeks after 2<sup>nd</sup> mRNA vaccine or 1<sup>st</sup> Johnson & Johnson vaccine). All data are from the Washington State Disease Reporting System (WDRS).

**Figure 13: COVID-19 case rates per 100,000 by month and vaccination status**



**Table 15: COVID-19 cases by vaccination status**

Month of positive COVID-19 test	Total number of cases	Number of COVID-19 vaccine breakthrough cases	Percent unvaccinated
February	2,412	5	100%
March	2,076	21	99%
April	3,937	85	98%
May	2,874	83	97%
June	1,324	154	88%
July	2,683	726	73%
August	8,394	2,074	75%
September	7,763	1,869	76%
October	6,625	1,945	71%
November	6,016	1,780	70%
<b>Total</b>	<b>44,104</b>	<b>8,742</b>	<b>80%</b>

Figure 14: COVID-19-related hospitalizations by vaccine status

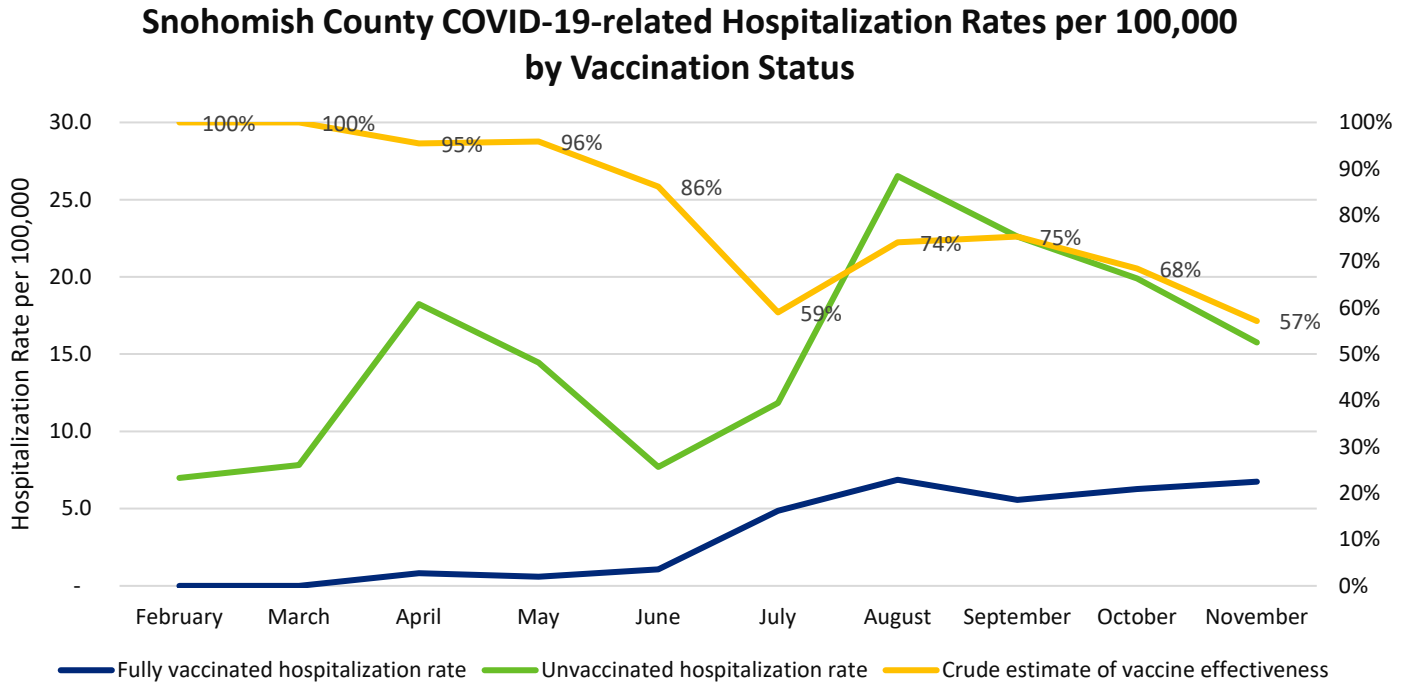


Table 16: COVID-19-related hospitalizations by vaccine status

Month of positive COVID-19 test	Total COVID-19 related hospitalizations	COVID-19 vaccine breakthrough hospitalizations	Percent unvaccinated
February	59	0	100%
March	66	0	100%
April	161	7	96%
May	127	5	96%
June	74	9	88%
July	141	41	71%
August	282	58	79%
September	238	47	80%
October	221	53	76%
November	190	57	70%
<b>Total</b>	<b>1,559</b>	<b>277</b>	<b>82%</b>



**Table 17: COVID-19-related deaths by vaccination status**

<b>Month of positive COVID-19 test</b>	<b>Total COVID-19 related deaths</b>	<b>COVID-19 vaccine breakthrough deaths</b>	<b>Percent unvaccinated</b>
February	27	0	100%
March	18	0	100%
April	13	0	100%
May	21	0	100%
June	17	<5	N/A
July	14	6	57%
August	43	6	86%
September	52	<5	N/A
October	57	7	88%
November	48	<5	N/A
<b>Total</b>	<b>310</b>	<b>26</b>	<b>92%</b>

**COVID-19 Epidemiological Report Snohomish County  
NOVEMBER 2021**

**COVID-19 VACCINE**

**Table 18: COVID-19 vaccination status among Snohomish County residents having initiated vaccination**

Vaccine status	People initiating vaccination	Percent of eligible population	Snohomish County eligible population (≥5 years)
Fully vaccinated	535,366	69%	---
Partially vaccinated	46,070	6%	---
<b>Total number of people initiating vaccination</b>	<b>581,436</b>	<b>74%</b>	<b>781,248</b>

**Table 19: COVID-19 vaccine initiation by sex at birth**

Sex at birth	People initiating vaccination	Percent of people initiating vaccination	People fully vaccinated	Percent fully vaccinated	People partially vaccinated	Percent partially vaccinated	Eligible population (≥5 years)
Female	299,641	77%	277,297	71.1%	22,344	5.7%	390,175
Male	280,456	72%	256,914	65.7%	23,542	6.0%	391,071
Unknown	1,339	---	1,155	---	184		---
<b>Total persons initiating vaccination</b>	<b>581,436</b>	<b>74%</b>	<b>535,366</b>	<b>68.5%</b>	<b>46,070</b>	<b>5.9%</b>	<b>781,248</b>

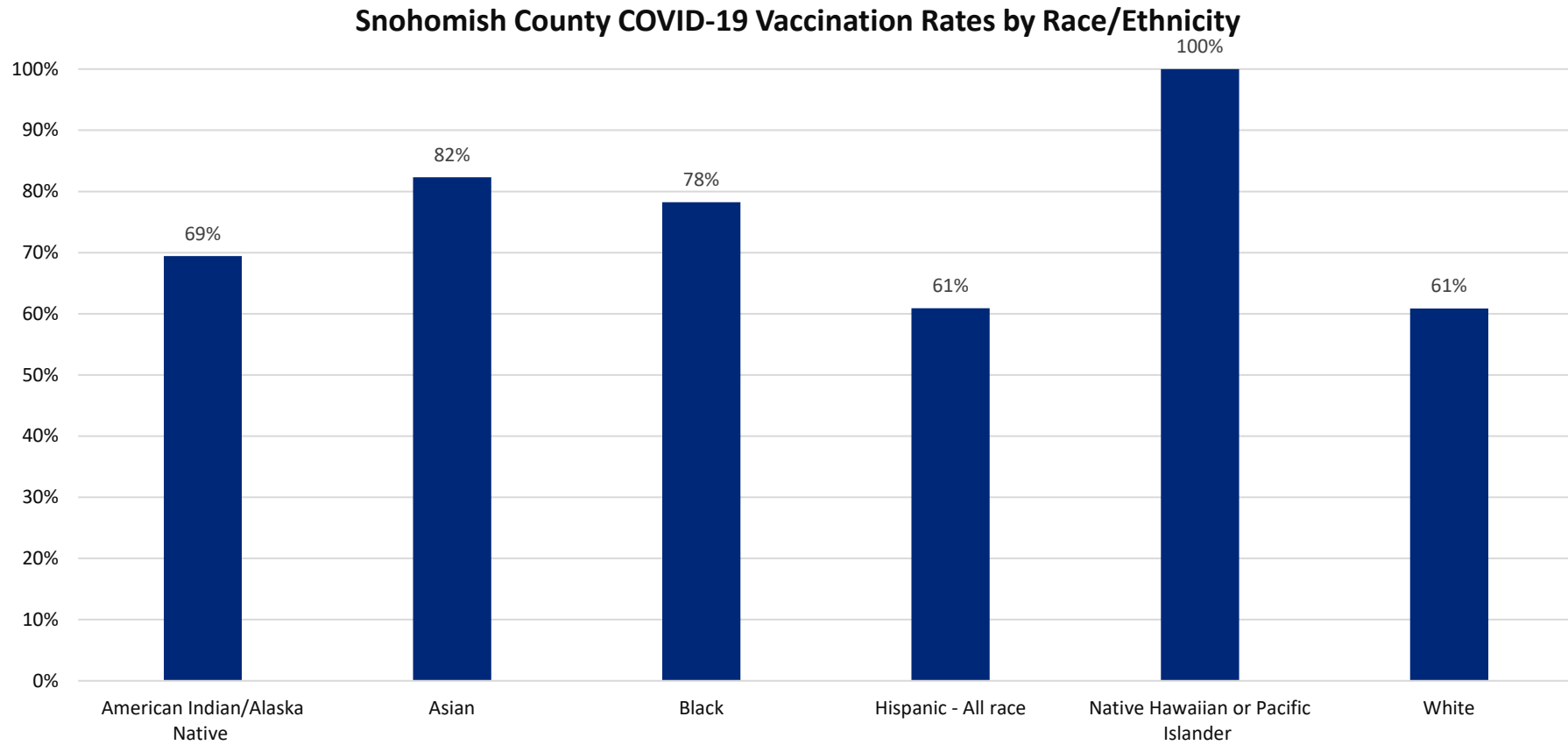
**Table 20: COVID-19 vaccine initiation by age group**

Age group in years	People initiating vaccination	Percent of people initiating vaccination	People fully vaccinated	Percent fully vaccinated	People partially vaccinated	Percent partially vaccinated	Eligible population (≥5 years)
5 to 11	19,632	26%	11,714	15.8%	7,918	10.7%	74,297
12 to 15	25,056	59%	22,943	54.0%	2,113	5.0%	42,493
16 to 19	27,820	77%	25,514	70.5%	2,306	6.4%	36,208
20 to 34	121,014	79%	110,307	72.4%	10,707	7.0%	152,342
35 to 49	140,039	79%	130,999	74.2%	9,040	5.1%	176,569
50 to 64	134,213	79%	126,858	74.7%	7,355	4.3%	169,752
65+	113,662	88%	107,031	82.6%	6,631	5.1%	129,586
<b>Total initiating vaccination</b>	<b>581,436</b>	<b>74%</b>	<b>535,366</b>	<b>68.5%</b>	<b>46,070</b>	<b>5.9%</b>	<b>781,248</b>

**Table 21: COVID-19 vaccine initiation by race and ethnicity**

Race/Ethnicity	People initiating vaccination	Percent of people initiating vaccination	People fully vaccinated	Percent fully vaccinated	People partially vaccinated	Percent partially vaccinated	Eligible population (≥5 years)
American Indian/Alaska Native	6,009	69%	5,463	63.1%	546	6.3%	8,654
Asian	76,821	82%	71,399	76.5%	5,422	5.8%	93,332
Black	18,449	78%	16,679	70.7%	1,770	7.5%	23,580
Multiracial	693	2%	602	1.9%	91	0.3%	31,429
Native Hawaiian or Pacific Islander	4,937	100%	4,491	102.0%	446	10.1%	4,404
White	328,540	61%	307,708	57.0%	20,832	3.9%	539,681
Other, non-Hispanic	65,125	---	59,434	---	5,691	---	---
Hispanic - All race	48,811	61%	43,405	54.1%	5,406	6.7%	80,167
Unknown	32,051	---	26,185	---	5,866	---	---
<b>Total</b>	<b>581,436</b>	<b>74%</b>	<b>535,366</b>	<b>68.5%</b>	<b>46,070</b>	<b>5.9%</b>	<b>781,248</b>

**Figure 15: COVID-19 vaccine initiation rates by race and ethnicity**



**Table 22: COVID-19 vaccine initiation by race and ethnicity relative-risk compared to non-Hispanic White**

<b>Race non-Hispanic</b>	<b>People initiating vaccination</b>	<b>Eligible population (≥5 years)</b>	<b>Percent of people initiating vaccination</b>	<b>Relative Risk</b>	<b>95% CI Lower</b>	<b>CI Upper</b>
American Indian/Alaska Native	6,009	8,654	69%	1.1	1.1	1.2
Asian	76,821	93,332	82%	1.4	1.3	1.4
Black	18,449	23,580	78%	1.3	1.3	1.3
Multiracial	693	31,429	2%	0.04	0.03	0.04
Native Hawaiian or Pacific Islander	4,937	4,404	100%	1.8	1.8	1.9
White	328,540	539,681	61%	1.0		
Other, non-Hispanic	65,125	---	---	---	---	---
Hispanic	48,811	80,167	61%	1.0	1.0	1.0
Unknown	32,051	---	---	---	---	---
<b>Total persons initiating vaccination</b>	<b>581,436</b>	<b>781,248</b>	<b>74%</b>	<b>---</b>	<b>---</b>	<b>---</b>

**Table 23: COVID-19 vaccine recipients by city of residency, Snohomish County, December 15, 2020 – November 14, 2020 (UPDATED DATA UNAVAILABLE AT THE TIME THIS REPORT WAS PRODUCED.)**

City	Zip	People initiating vaccination	Percent of residents initiating vaccination	Total population
Bothell/Mill Creek	98012	55,102	86%	64,417
Edmonds	98020	16,597	82%	20,322
Bothell	98021	26,397	86%	30,753
Edmonds	98026	29,056	79%	36,729
Lynnwood	98036	30,930	78%	39,766
Lynnwood	98037	22,186	75%	29,402
Mountlake Terrace	98043	15,970	76%	21,126
Woodinville	98072	171	0%	38,364
Lynnwood	98087	28,448	73%	39,221
Everett	98201	20,308	69%	29,484
Everett	98203	24,537	69%	35,603
Everett	98204	27,594	64%	42,882
Everett	98208	41,020	72%	57,306
Arlington	98223	25,287	59%	42,880
Darrington	98241	1,059	55%	1,921
Gold Bar	98251	2,472	64%	3,846
Granite Falls	98252	5,753	60%	9,603
Lake Stevens	98258	32,059	97%	32,959
Marysville	98270	32,657	64%	50,972
Marysville	98271	18,971	66%	28,585
Monroe	98272	18,637	59%	31,416
Mukilteo	98275	17,324	81%	21,264
Snohomish	98290	23,363	65%	35,990
Stanwood	98292	15,060	67%	22,547
Sultan	98294	4,081	57%	7,127
Snohomish	98296	18,988	63%	30,373
<b>Total</b>	---	<b>554,027</b>	<b>66%</b>	<b>844,400</b>

\*NOTES: 1. Data for this table is from the WAIS repository dataset 11/14/2021. Population data per zip code is from the 2018 data.census.gov. 2. Due to limitations in the data set, vaccine coverage figures may not be accurate. These data provide a rough estimate of coverage with respect to geography. For further details, see item 4 under “Data Assumptions/Caveats” in the Appendix.