

COVID-19 Epidemiological Report Snohomish County DECEMBER 2021

COVID-19 EPIDEMIOLOGIC OVERVIEW

Data source: Washington State Disease Reporting System (WDRS)

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

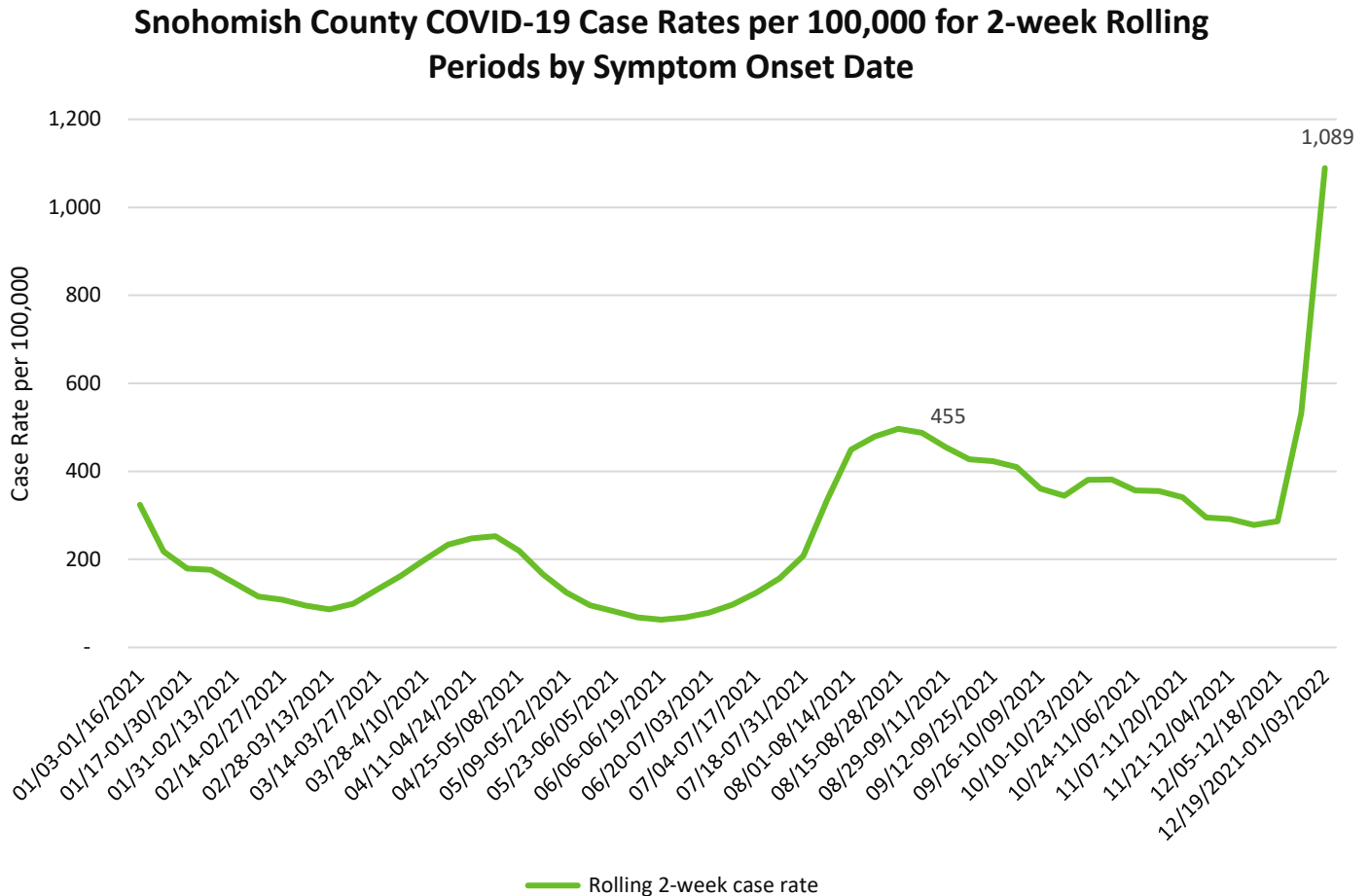


Figure 2: Number of Snohomish County COVID-19 cases by specimen collection date

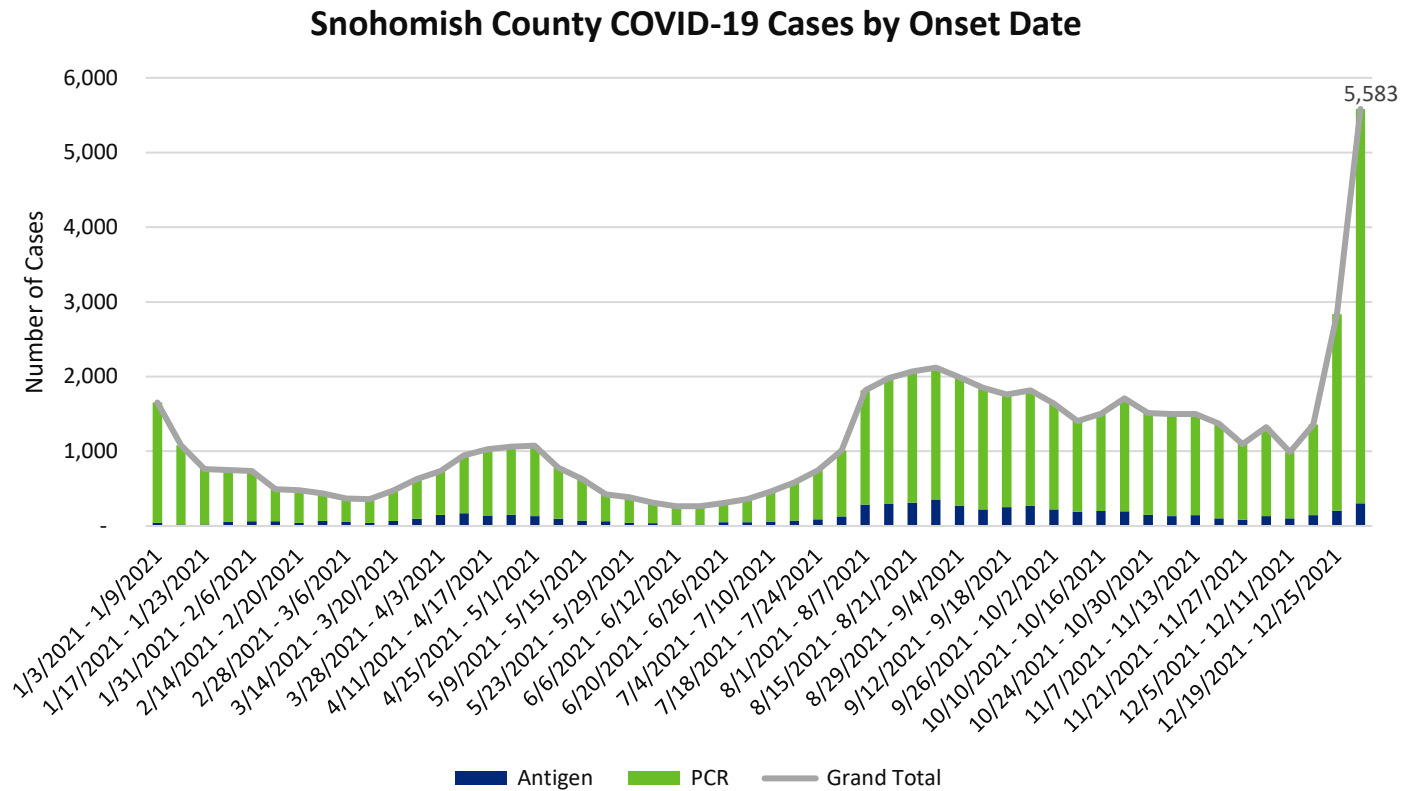
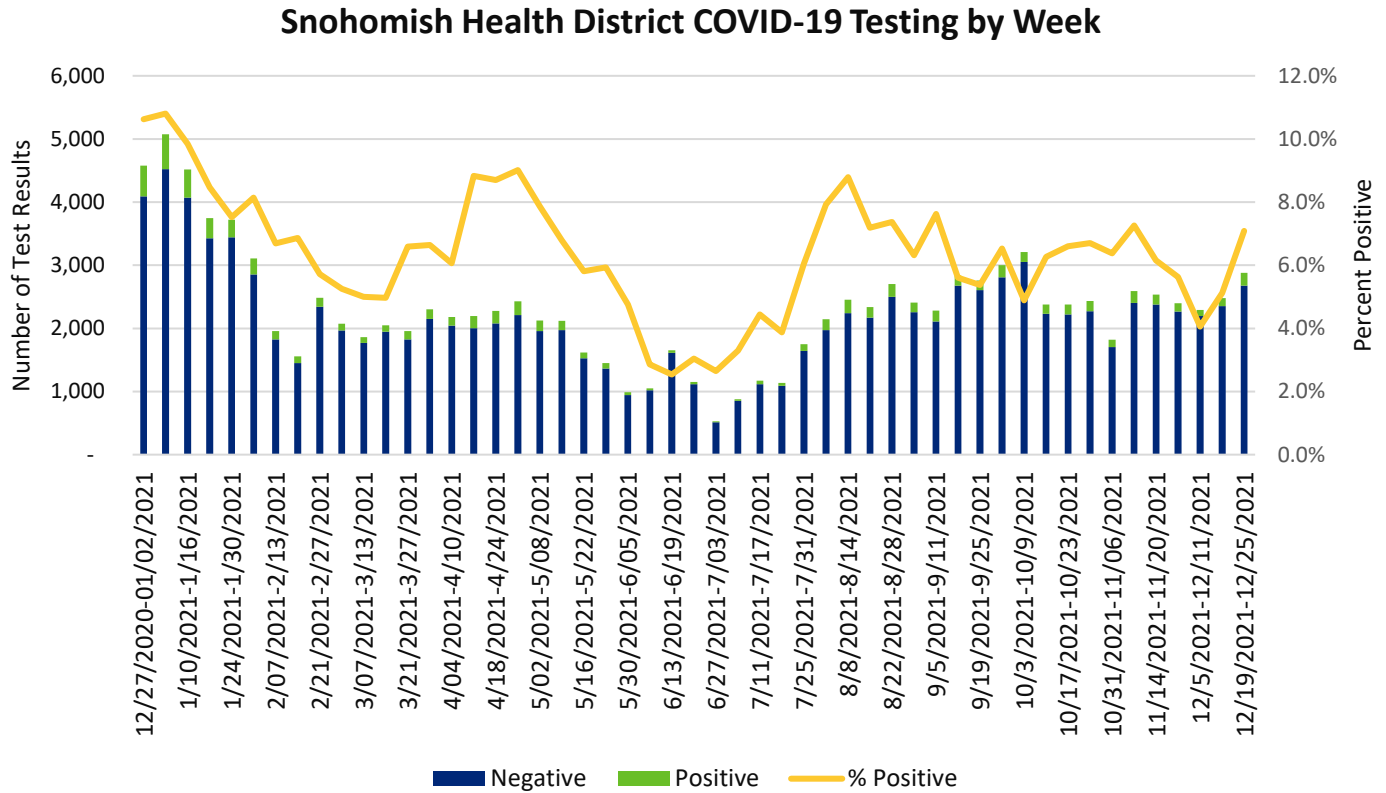


Figure 3: Snohomish Health District COVID-19 testing by week



*Note: Due to severe weather the Snohomish Health District COVID-19 test site was closed the week of 12/26/2021-1/1/2022.

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

Sex at birth	December 2021	November 2021	Cumulative 1/20/2020-12/31/2021
Female	6,011	2,943	42,405
Male	5,713	3,119	42,541
Unknown	22	2	108
Grand Total	11,746	6,064	85,054

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

Age group in years	December 2021	November 2021	Cumulative 1/20/2020-12/31/2021
0-14	1,866	1,351	12,191
15-19	1,056	364	6,187
20-29	2,198	842	15,436
30-39	2,321	1,119	16,181
40-49	1,817	906	13,154
50-59	1,320	756	10,583
60-69	713	444	6,397
70-79	278	188	2,926
80+	172	94	1,966
Unknown	5	0	33
Grand Total	11,746	6,064	85,054

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

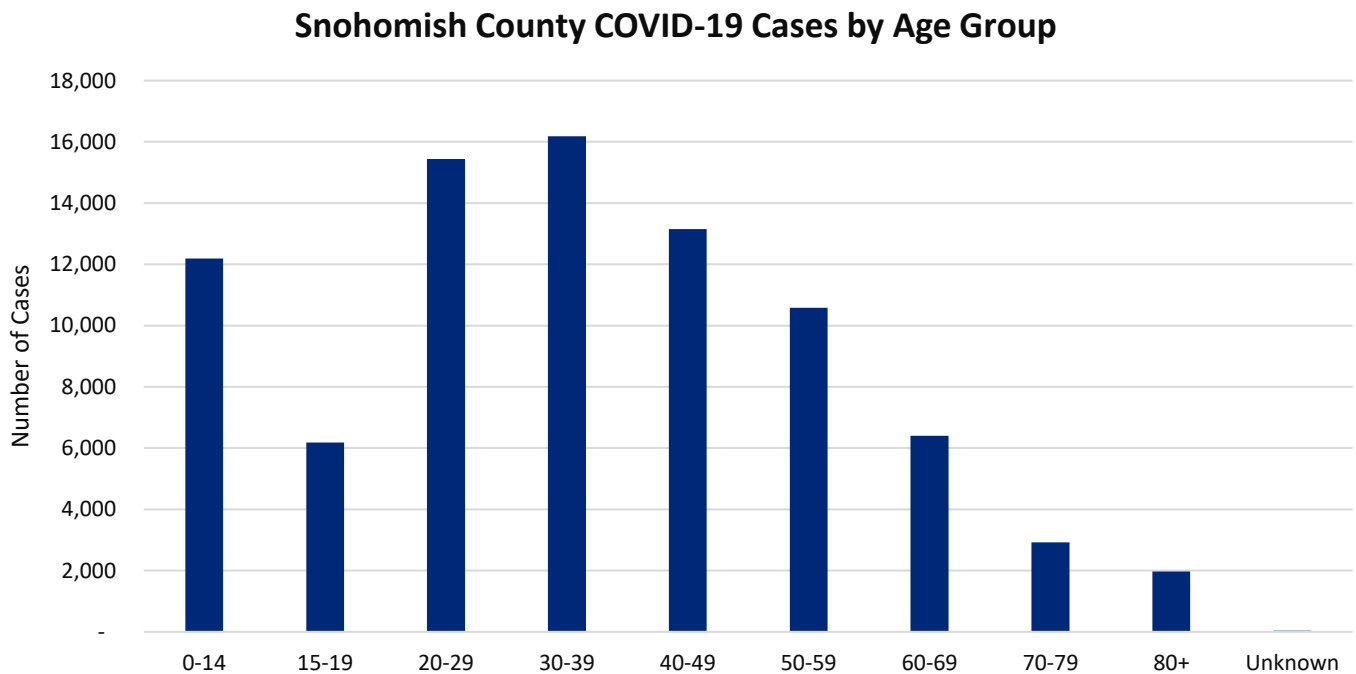


Figure 6: Snohomish County cumulative COVID-19 case rates per 100,000 by age group

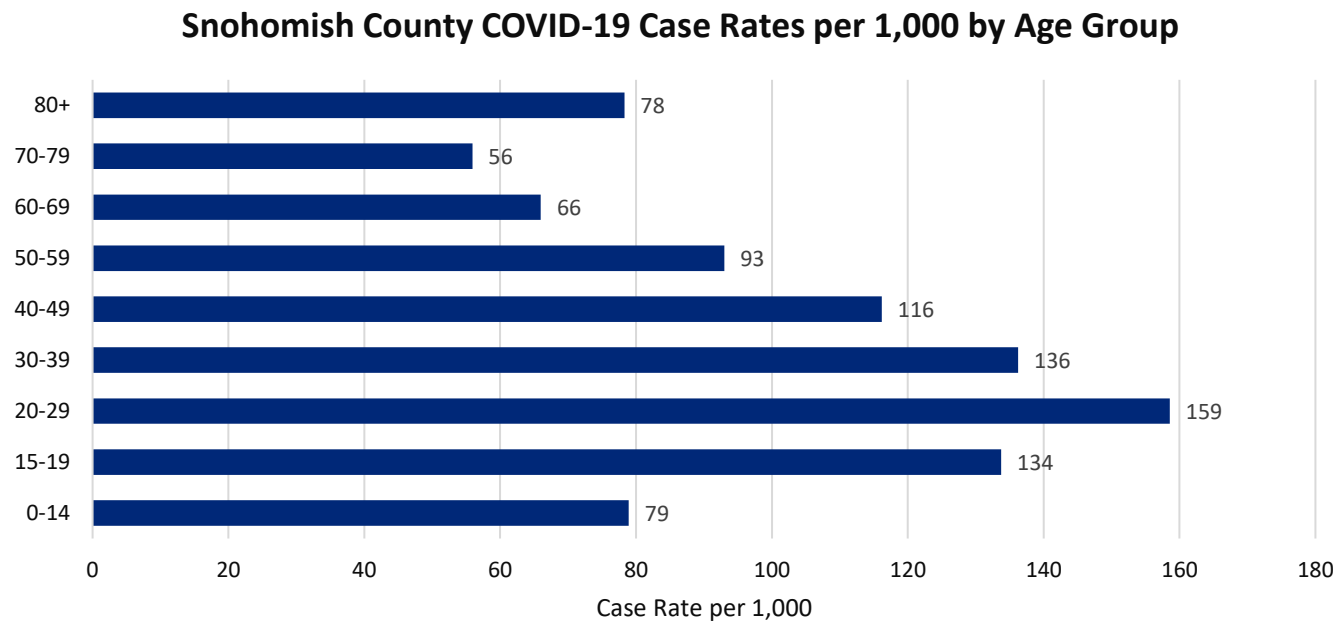


Figure 7: Number of COVID-19 cases by specimen collection date and age group

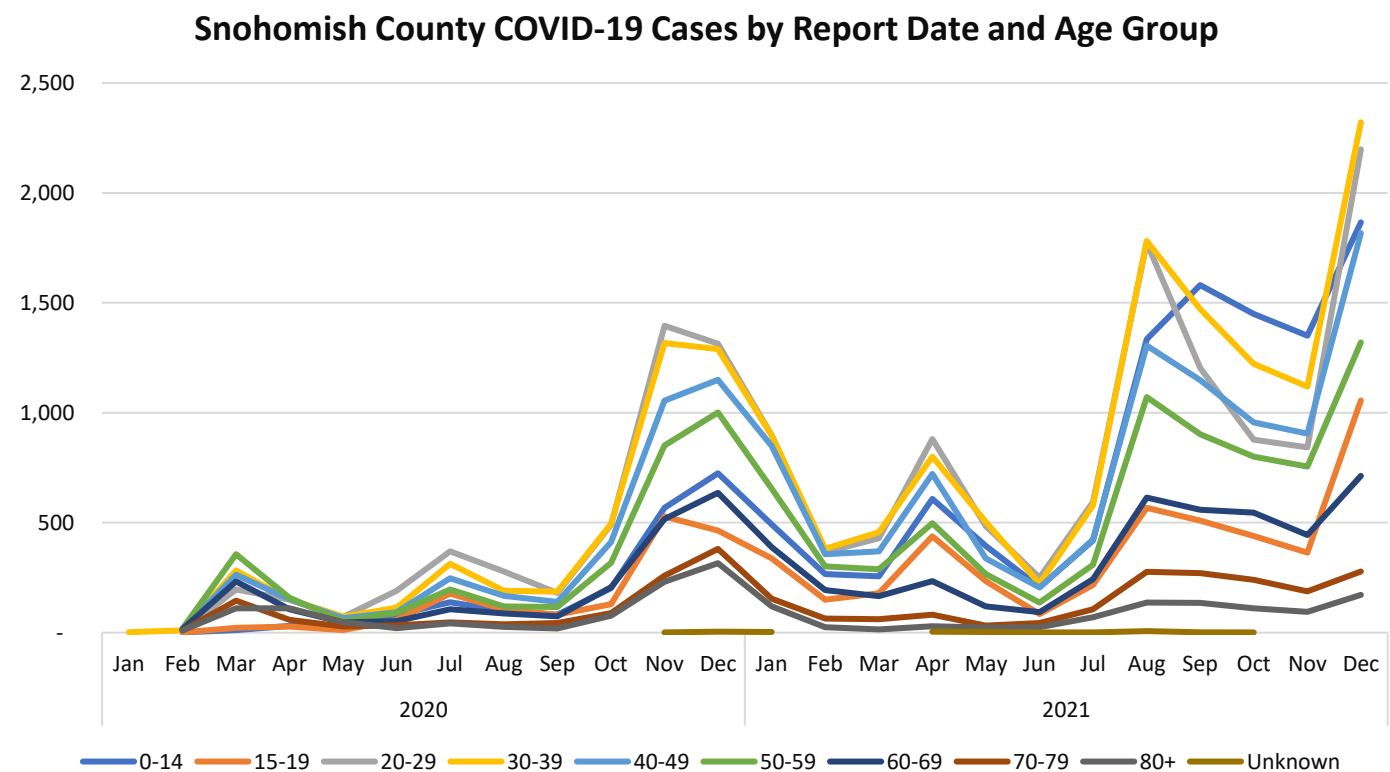


Table 3: COVID-19 cases by race and ethnicity

Race non-Hispanic	Case count	Population	Rate per 1,000	Relative Risk	95% CI Lower	CI Upper
African American	2,596	25,435	102.1	1.9	1.8	1.9
American Indian/Alaska Native	1,060	9,195	115.3	2.1	2.0	2.2
Asian	4,277	98,685	43.3	0.8	0.8	0.8
Native Hawaiian or Pacific Islander	990	4,722	209.7	3.8	3.6	4.1
White	30,775	564,701	54.5	1.0		
Other, not Hispanic	1,162	---	---	---	---	---
Ethnicity						
Hispanic	10,098	90,576	111.5	2.0	2.0	2.1
Total confirmed case with race/ethnicity data	50,958	---	---	---	---	---
Total confirmed cases in data set	85,054	---	---	---	---	---
% with race or ethnicity data	59.9%	---	---	---	---	---

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

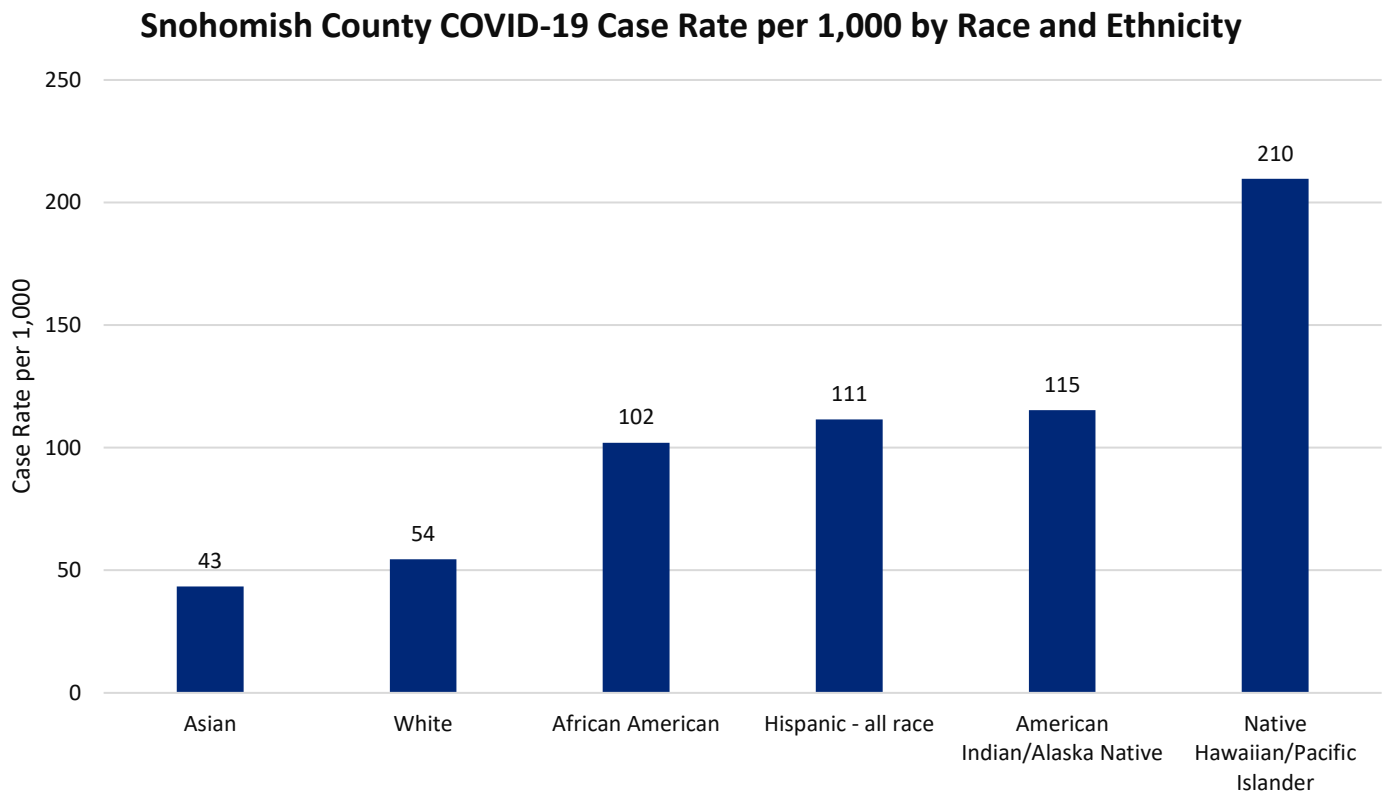


Table 4: Hospitalization of COVID-19 cases in Snohomish County

Ever hospitalized	December 2021	November 2021	Cumulative 1/20/2020-12/31/2021
No	3,511	3,316	48,909
Yes	199	199	3,478
Unknown	8,036	2,549	32,667
Grand Total	11,746	6,064	85,054

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	88	25,435	3.5	1.2	1.0	1.5
American Indian/Alaska Native	72	9,195	7.8	2.8	2.2	3.5
Asian	191	98,685	1.9	0.7	0.6	0.8
Native Hawaiian or Pacific Islander	47	4,722	10.0	3.5	2.7	4.7
White	1,590	564,701	2.8	1		
Other, not Hispanic	54	---	---	---	---	---
Ethnicity						
Hispanic	330	90,576	3.6	1.3	1.2	1.4

Figure 9: COVID-related hospital admissions by month

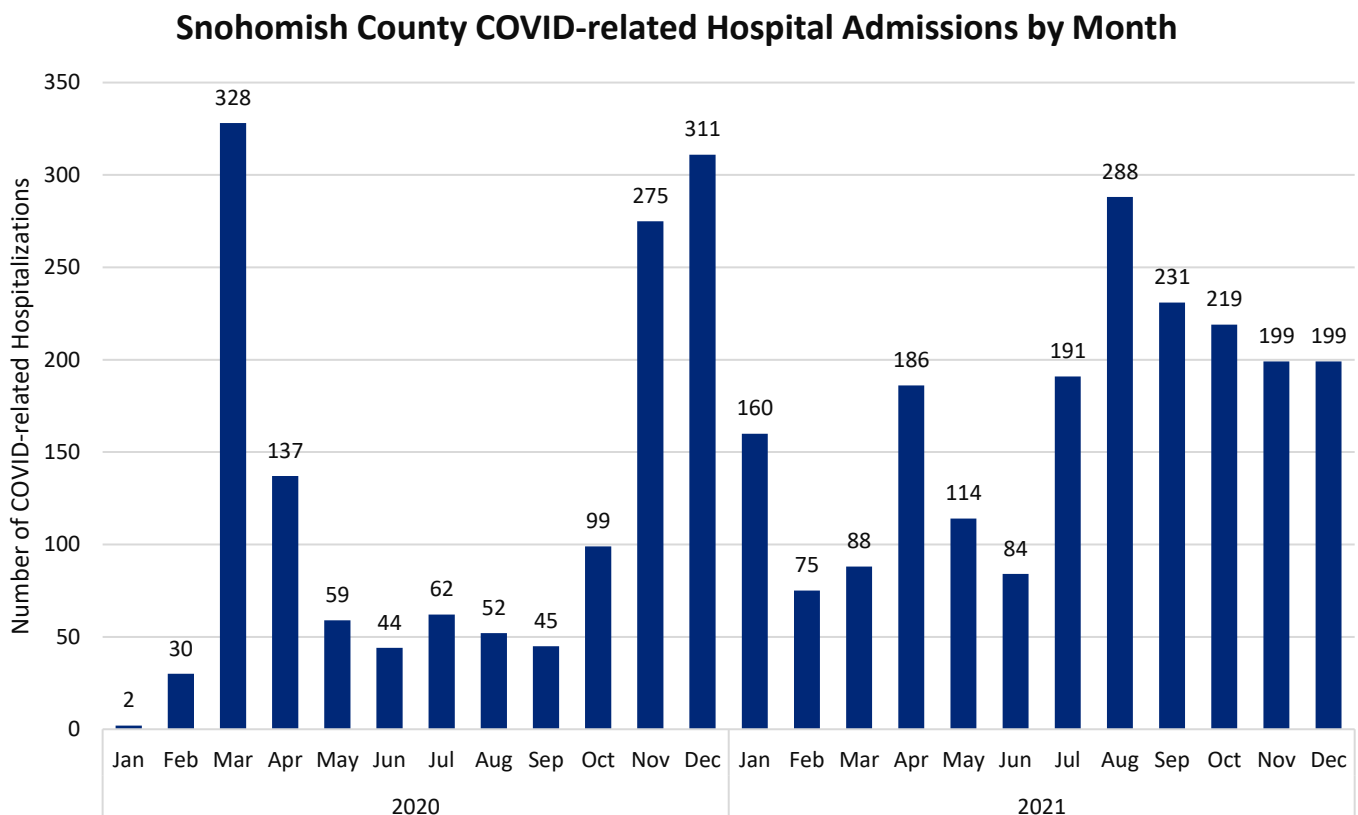


Table 6: COVID outbreaks by type

Type of outbreak	December 2021	November 2021	Cumulative 1/20/2020-12/31/2021
Adult family home	1	3	83
Agriculture	0	0	8
Bar	0	0	6
Behavioral health	0	1	9
Camp	0	0	2
Childcare	4	2	80
Community	0	0	1
Construction	3	4	97
Corrections	0	0	2
Distribution	1	0	15
Emergency services	1	0	6
Faith based services	0	3	43
Financial Institution	1	2	14
Food processing	1	0	20
Government	0	1	26
Gym	0	0	3
Healthcare provider	1	0	20
Home health	0	0	4
Hospital	0	0	7
Landscaping	1	0	13
Leisure/recreation	0	4	25
LTCF	8	10	153
Manufacturing	9	36	201
Personal Care and Services	2	1	18
Real estate	1	1	17
Restaurant	3	7	116
Retail	16	17	210
School	26	5	167
Service provider	1	8	119
Shelter	0	0	6
Social Event	0	0	28
Supported Living	1	0	5
Transportation	0	2	10
Utilities	3	0	24
Youth Sports	0	0	7
Total number of outbreaks	84 (Cases 461, median 3.5, range 1-24)	107 (Cases 437, median 3, range 1-21)	1565 (Cases 10,517, median 3, range 1-949)

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. Only facilities with 5+ cases are listed below.

Facility Name	Facility Type	Date of last case	Total staff cases	Total resident cases	Total cases
Bethany at Pacific	SNF	1/3/2022	10	7	17
Bethany at Silver Crest	ALF	1/3/2021	<5	<5	6
Bethany at Silver Lake	SNF	1/3/2022	12	0	12
Cedar Creek Memory Care	ALF	1/4/2022	<5	<5	8
Chateau Pacific Lynnwood	ALF	1/3/2022	<5	<5	7
Cogir Mill Creek	ALF	1/3/2022	<5	<5	6
Cottages at Marysville	ALF	1/3/2022	7	10	17
GenCare at Granite Falls	ALF	1/6/2022	5	0	5
Josephine Caring Community	SNF	12/28/2021	22	0	22
Manor Care of Lynnwood	SNF	1/4/2022	6	8	14
Village Community Services	OTHER	1/3/2022	15	8	23
Vineyard Park MLT	ALF	12/24/2021	<5	<5	15
Warm Beach (Cedar Court)	ALF	12/28/2021	5	10	15

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

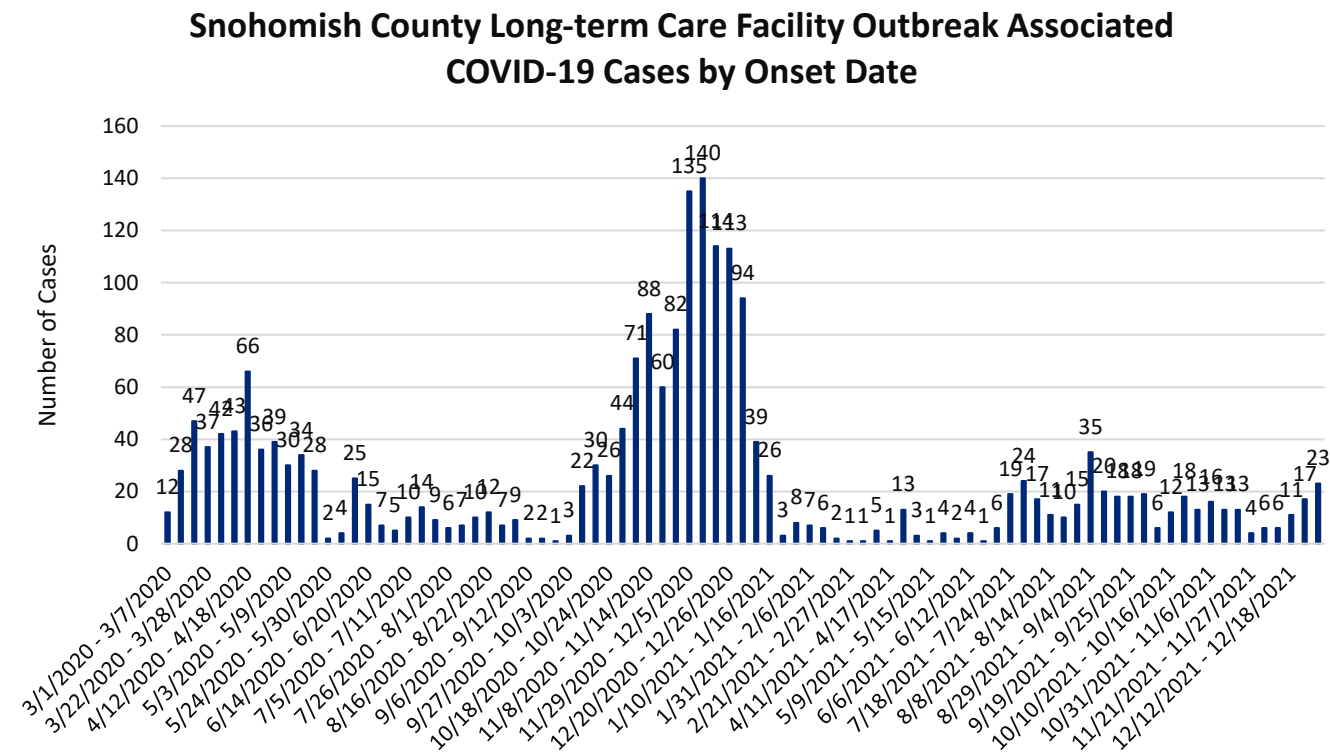


Table 8: LTCF-associated cases ever hospitalized for COVID-19 illness

Ever hospitalized	December 2021	November 2021	Cumulative 1/20/2020-12/31/2021
No	29	25	1,384
Yes	8	8	418
Unknown	20	3	341
Grand Total	57	36	2,143

COVID-19 DEATHS

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

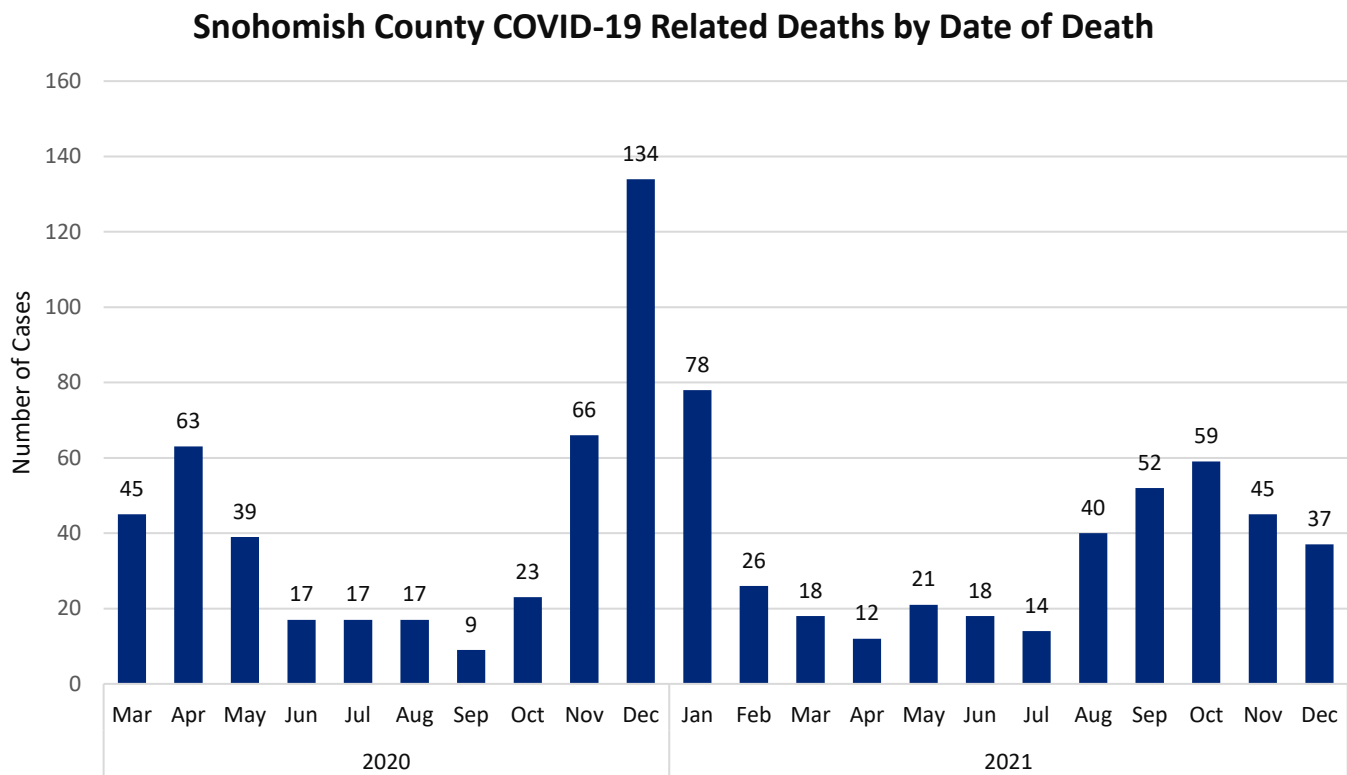


Table 9: Gender of COVID-19 related deaths in Snohomish County by case report date

Sex at birth	December 2021	November 2021	Cumulative 1/20/2020-12/31/2021
Female	17	11	389
Male	20	34	462
Grand Total	37	45	851

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

Age group in years	December 2021	November 2021	Cumulative 1/20/2020-12/31/2021
0-14	<5	<5	0
15-19	<5	<5	0
20-29	<5	<5	9
30-39	<5	<5	10
40-49	5	<5	45
50-59	<5	6	68
60-69	11	10	140
70-79	8	12	215
80+	9	12	364
Grand Total	37	45	851

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	0	0%	0	0.0%
15-19	0	0%	0	0.0%
20-29	9	1%	9	0.1%
30-39	10	1%	8	0.1%
40-49	45	5%	40	0.3%
50-59	68	8%	60	0.6%
60-69	140	16%	144	2.2%
70-79	215	25%	411	7.3%
80+	364	43%	1449	18.5%
Grand Total	851	100%	102	1.0%

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

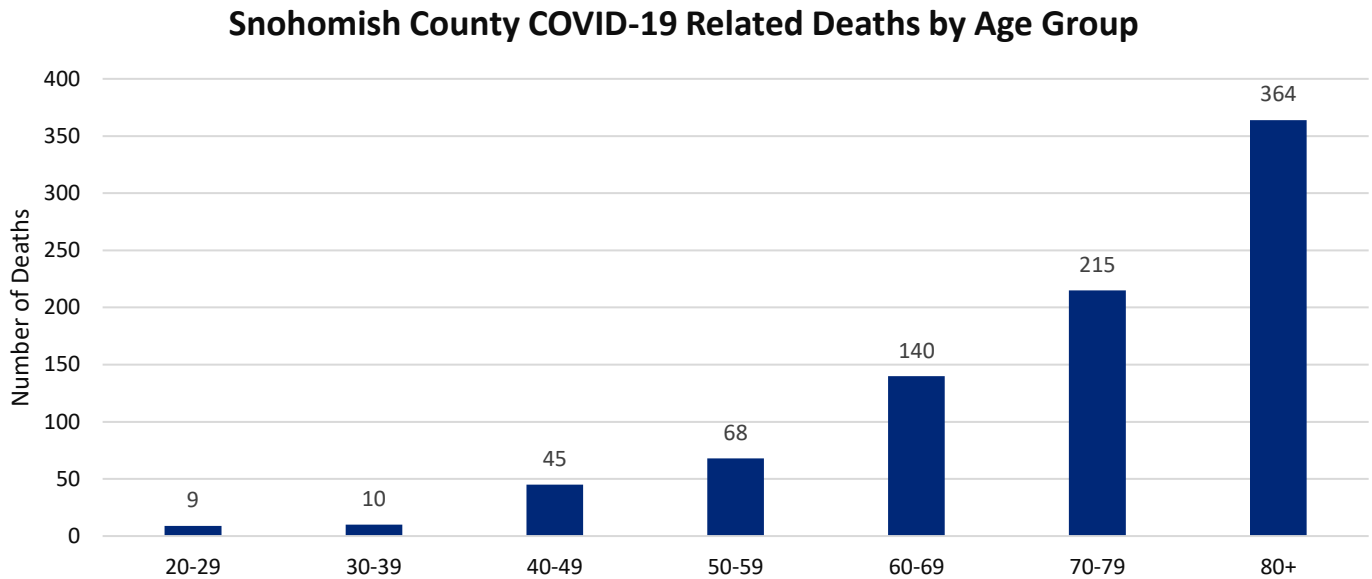


Table 11: COVID-19 related deaths by race and ethnicity

Race non-Hispanic	Case count	Population	Rate per 1,000	Relative Risk	95% CI Lower	95% CI Upper
African American	15	25,435	0.6	0.7	0.4	1.1
American Indian/Alaska Native	17	9,195	1.8	2.1	1.3	3.4
Asian	58	98,685	0.6	0.7	0.5	0.9
Native Hawaiian or Pacific Islander	9	4,722	1.9	2.2	1.1	4.2
White	492	564,701	0.9	1.0	---	---
Other	13	---	---	---	---	---
Ethnicity						
Hispanic	47	90,576	0.5	0.6	0.4	0.8
Total*	851	844,400	1.0	---	---	---

*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	2,596	88	3 (2.7,4.1)	15	<1 (0.3,0.9)	17.0%
American Indian/Alaska Native	1,060	72	7 (5.3,8.3)	17	2 (0.8,2.4)	23.6%
Asian	4,277	191	5 (3.8,5.1)	58	1 (1.0,1.7)	30.4%
Native Hawaiian or Pacific Islander	990	47	5 (3.4,6.1)	9	1 (0.3,1.5)	19.1%
White	30,775	1590	5 (4.9,5.4)	492	2 (1.5,1.7)	30.9%
Ethnicity						
Hispanic	10,098	330	3 (2.9,3.6)	47	<1 (0.3,0.6)	14.2%

Table 13: Hospitalization of COVID-19 related deaths in Snohomish County

Ever hospitalized	December 2021	November 2021	Cumulative 1/20/2020-12/31/2021
Yes	29	29	597
No	<5	7	161
Unknown	<5	9	93
Grand Total	37	45	851

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 2nd mRNA vaccine or 1st 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

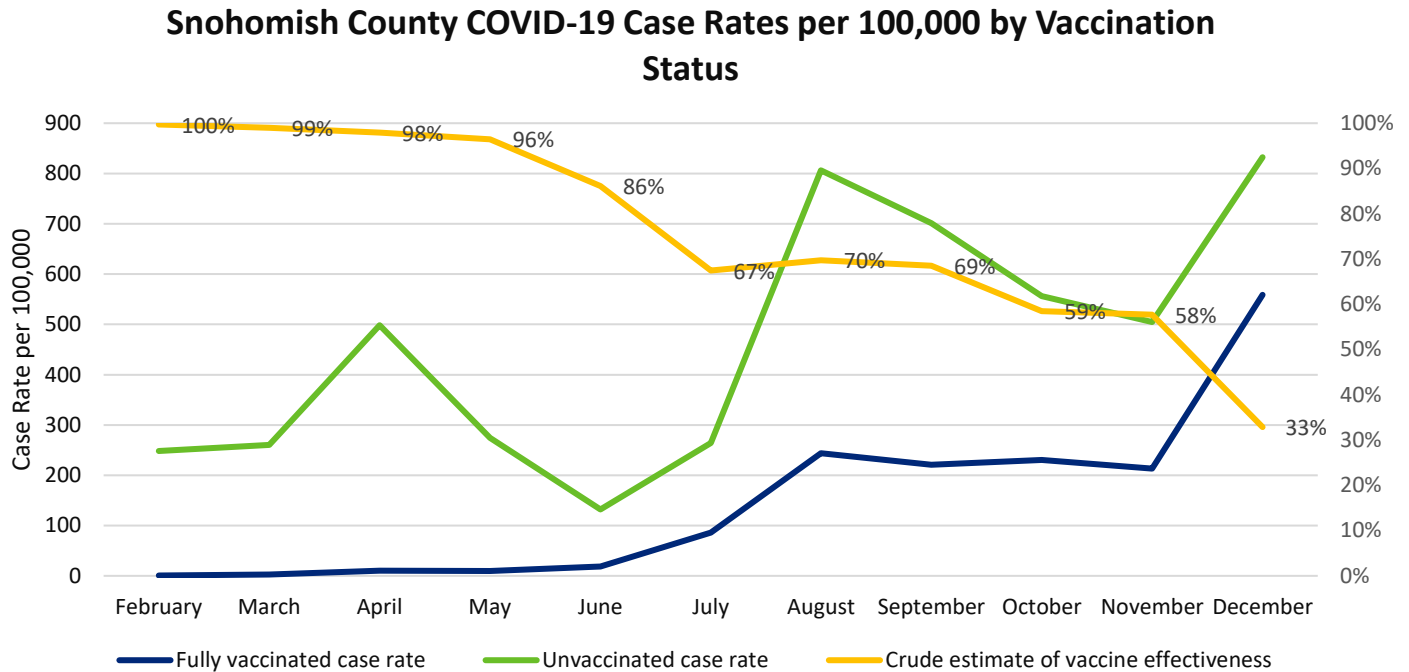


Table 14: COVID-19 cases by vaccination status

Month of positive COVID-19 test	Total number of cases	Number of COVID-19 vaccine breakthrough cases	Percent unvaccinated
February	2,103	6	100%
March	2,221	22	99%
April	4,296	87	98%
May	2,401	82	97%
June	1,270	155	88%
July	2,960	727	75%
August	8,868	2,061	77%
September	7,784	1,864	76%
October	6,643	1,948	71%
November	6,064	1,802	70%
December	11,746	4,718	60%
Total	56,356	13,472	76%

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

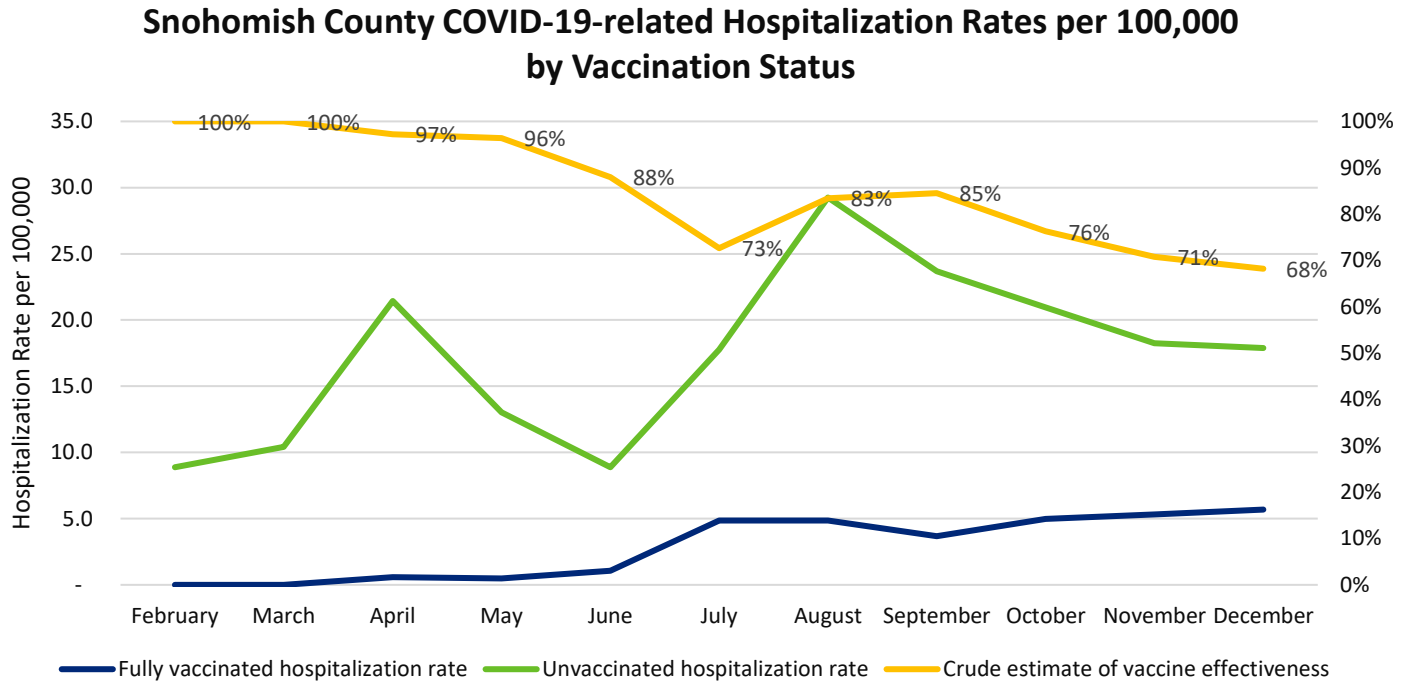


Table 15: COVID-19-related hospitalizations by vaccine status

Month of positive COVID-19 test	Total COVID-19 related hospitalizations	COVID-19 vaccine breakthrough hospitalizations	Percent unvaccinated
February	75	0	100%
March	88	0	100%
April	186	5	97%
May	114	<5	
June	84	9	89%
July	191	41	79%
August	288	41	86%
September	231	31	87%
October	219	42	81%
November	199	45	77%
December	199	48	76%
Total	1,874	266	86%

Figure 15: COVID-19-related deaths by vaccine status

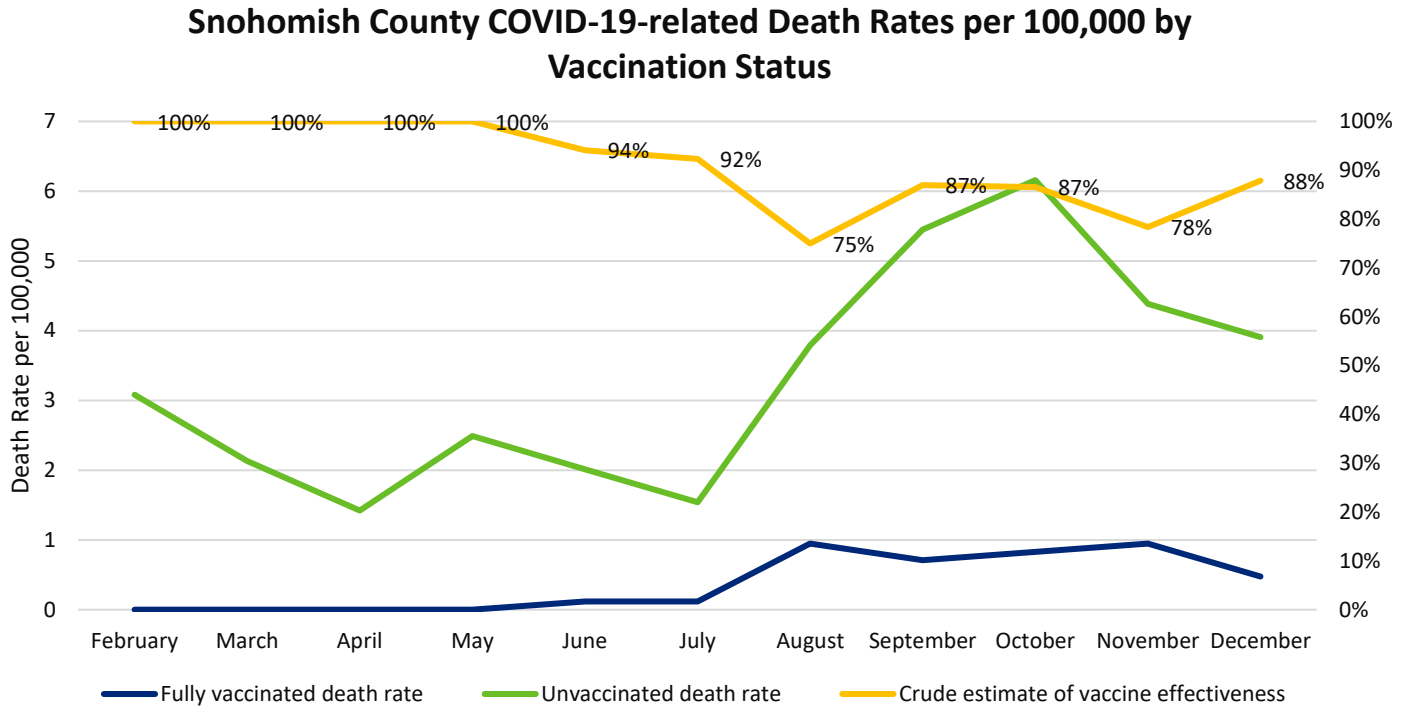


Table 16: COVID-19-related deaths by vaccination status

Month of positive COVID-19 test	Total COVID-19 related deaths	COVID-19 vaccine breakthrough deaths	Percent unvaccinated
February	26	0	100%
March	18	0	100%
April	12	0	100%
May	21	0	100%
June	18	<5	
July	14	<5	
August	40	8	80%
September	52	6	88%
October	59	7	88%
November	45	8	82%
December	37	<5	
Total	342	35	90%

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COVID-19 VACCINE

Data in this section is through January 9, 2022.

Table 17: 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	550,555	70%	---
Partially vaccinated	46,419	6%	---
Total number of people initiating vaccination	596,974	76%	781,248

Table 18: 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	307,172	79%	284,692	73.0%	22,480	5.8%	390,175
Male	288,525	74%	264,774	67.7%	23,751	6.1%	391,071
Unknown	1,277	---	1,089	---	188		---
Total persons initiating vaccination	596,974	76%	550,555	70.5%	46,419	5.9%	781,248

Table 19: 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	24,948	34%	19,084	25.7%	5,864	7.9%	74,297
12 to 15	25,201	59%	23,140	54.5%	2,061	4.9%	42,493
16 to 19	28,327	78%	25,961	71.7%	2,366	6.5%	36,208
20 to 34	124,188	82%	112,621	73.9%	11,567	7.6%	152,342
35 to 49	142,542	81%	133,018	75.3%	9,524	5.4%	176,569
50 to 64	136,310	80%	128,388	75.6%	7,922	4.7%	169,752
65+	115,458	89%	108,343	83.6%	7,115	5.5%	129,586
Total initiating vaccination	596,974	76%	550,555	70.5%	46,419	5.9%	781,248

Table 20: 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	6,187	71%	5,642	65.2%	545	6.3%	8,654
Asian	79,461	85%	73,877	79.2%	5,584	6.0%	93,332
Black	19,210	81%	17,255	73.2%	1,955	8.3%	23,580
Multiracial	675	2%	614	2.0%	61	0.2%	31,429
Native Hawaiian or Pacific Islander	4,993	100%	4,559	100.0%	434	9.9%	4,404
White	334,925	62%	314,247	58.2%	20,678	3.8%	539,681
Other, non-Hispanic	67,875	---	62,399	---	5,476	---	---
Hispanic - All race	50,882	63%	45,348	56.6%	5,534	6.9%	80,167
Unknown	32,766	---	26,614	---	6,152	---	---
Total	596,974	76%	550,555	70.5%	46,419	5.9%	781,248

Figure 16: COVID-19 vaccine initiation rates by race and ethnicity

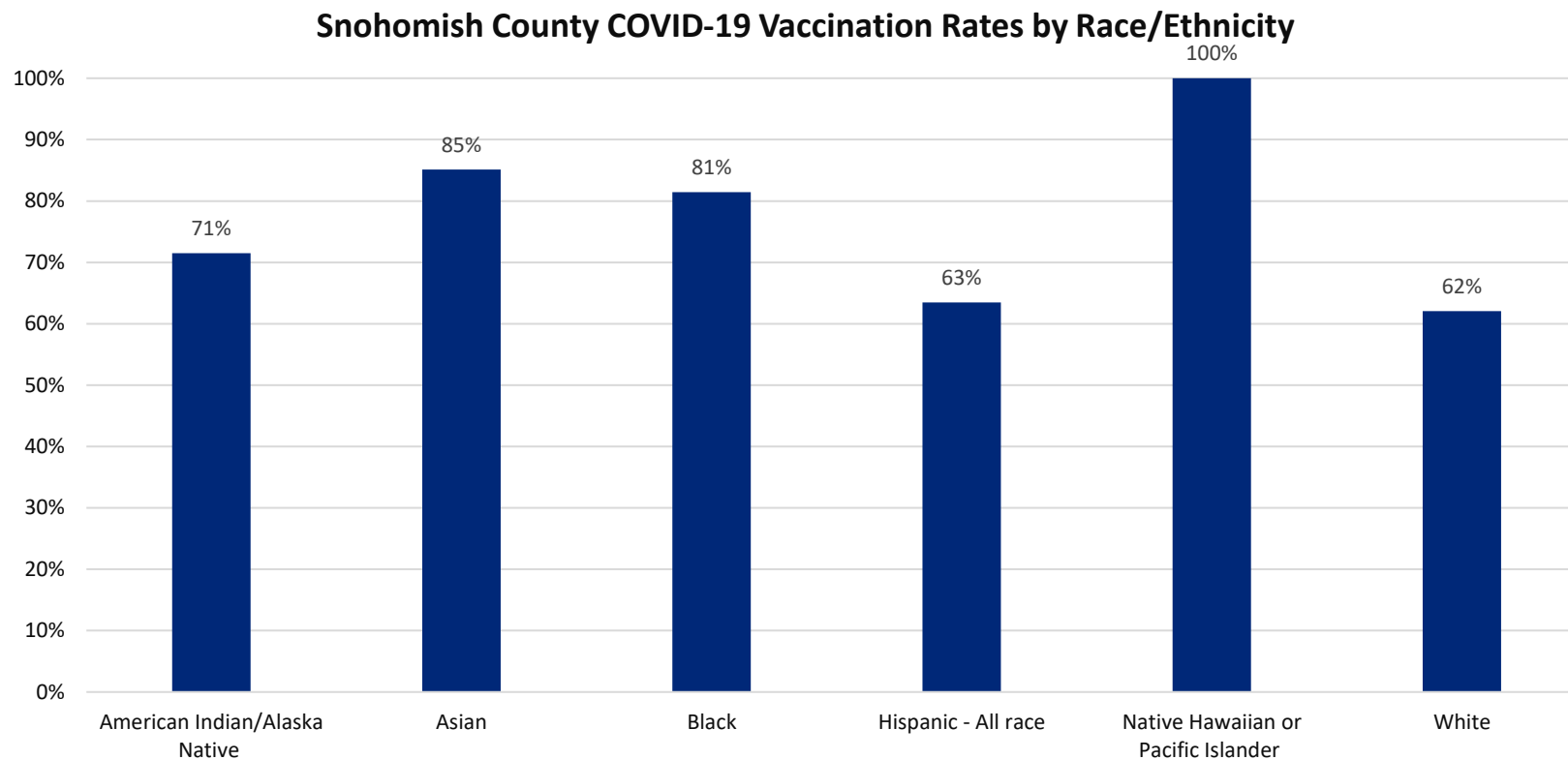


Table 21: COVID-19 vaccine initiation by race and ethnicity relative-risk compared to non-Hispanic White

Race non-Hispanic	People initiating vaccination	Eligible population (≥5 years)	Percent of people initiating vaccination	Relative Risk	95% CI Lower	CI Upper
American Indian/Alaska Native	6,187	8,654	71%	1.2	1.1	1.2
Asian	79,461	93,332	85%	1.4	1.4	1.4
Black	19,210	23,580	81%	1.3	1.3	1.3
Multiracial	675	31,429	2%	0.03	0.03	0.04
Native Hawaiian or Pacific Islander	4,993	4,404	100%	1.8	1.8	1.9
White	334,925	539,681	62%	1.0		
Other, non-Hispanic	67,875	---	---	---	---	---
Hispanic	50,882	80,167	63%	1.0	1.0	1.0
Unknown	32,766	---	---	---	---	---
Total persons initiating vaccination	596,974	781,248	76%	---	---	---

Table 22: 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	60,246	87%	69,104
Edmonds	98020	17,654	89%	19,868
Bothell	98021	28,926	88%	32,871
Edmonds	98026	31,120	80%	39,044
Lynnwood	98036	33,044	75%	43,976
Lynnwood	98037	23,759	76%	31,199
Mountlake Terrace	98043	17,319	80%	21,696
Woodinville	98072	176	1%	25,007
Lynnwood	98087	30,514	76%	40,001
Everett	98201	21,506	65%	33,161
Everett	98203	26,043	71%	36,836
Everett	98204	29,624	66%	44,566
Everett	98208	43,897	72%	60,736
Arlington	98223	26,705	55%	48,287
Darrington	98241	1,101	48%	2,286
Gold Bar	98251	2,652	53%	5,015
Granite Falls	98252	6,052	55%	10,908
Lake Stevens	98258	34,731	100%	34,043
Marysville	98270	34,580	69%	50,114
Marysville	98271	20,023	63%	31,833
Monroe	98272	19,935	63%	31,498
Mukilteo	98275	18,424	86%	21,365
Snohomish	98290	24,846	66%	37,832
Stanwood	98292	16,042	66%	24,189
Sultan	98294	4,427	58%	7,648
Snohomish	98296	20,451	65%	31,520
Total	---	593,797	70%	844,400

*NOTES: 1. Data for this table is from the WAIS repository dataset 01/09/2022. Population data Source:

https://geo.wa.gov/datasets/377b5263afbd44a09017d4c8491538a4_9/explore 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.