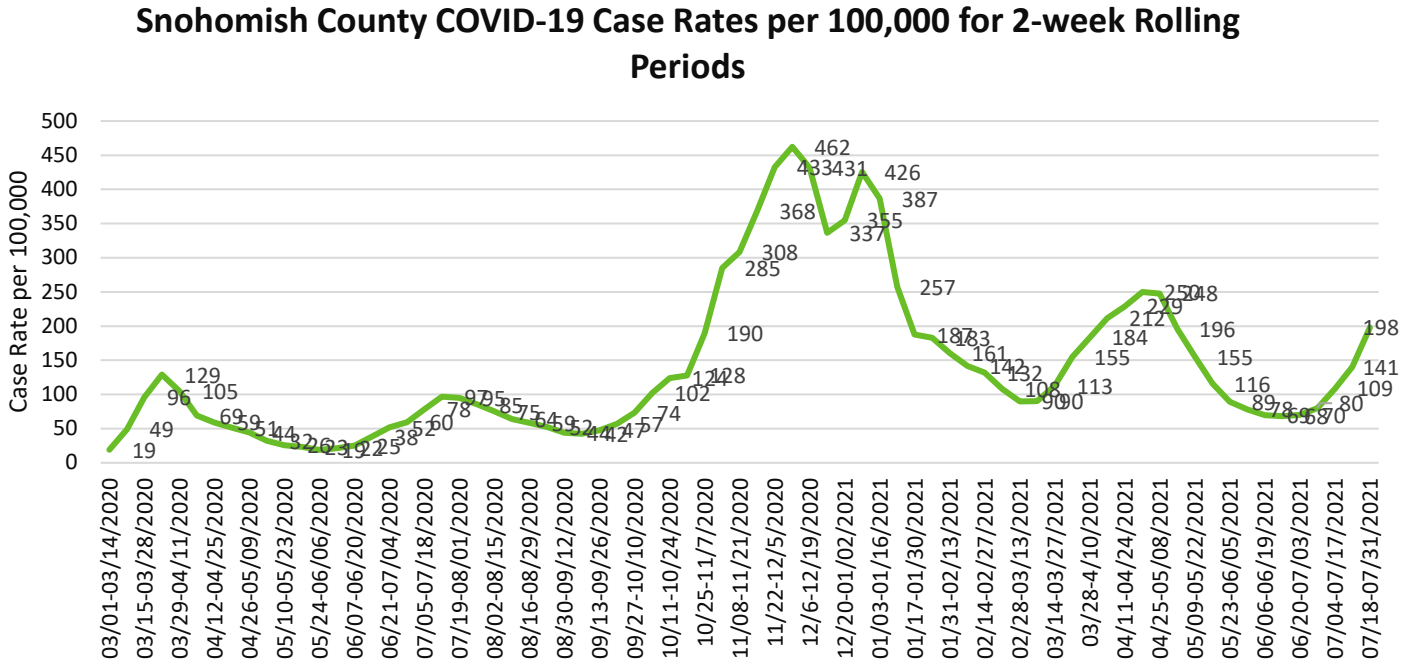


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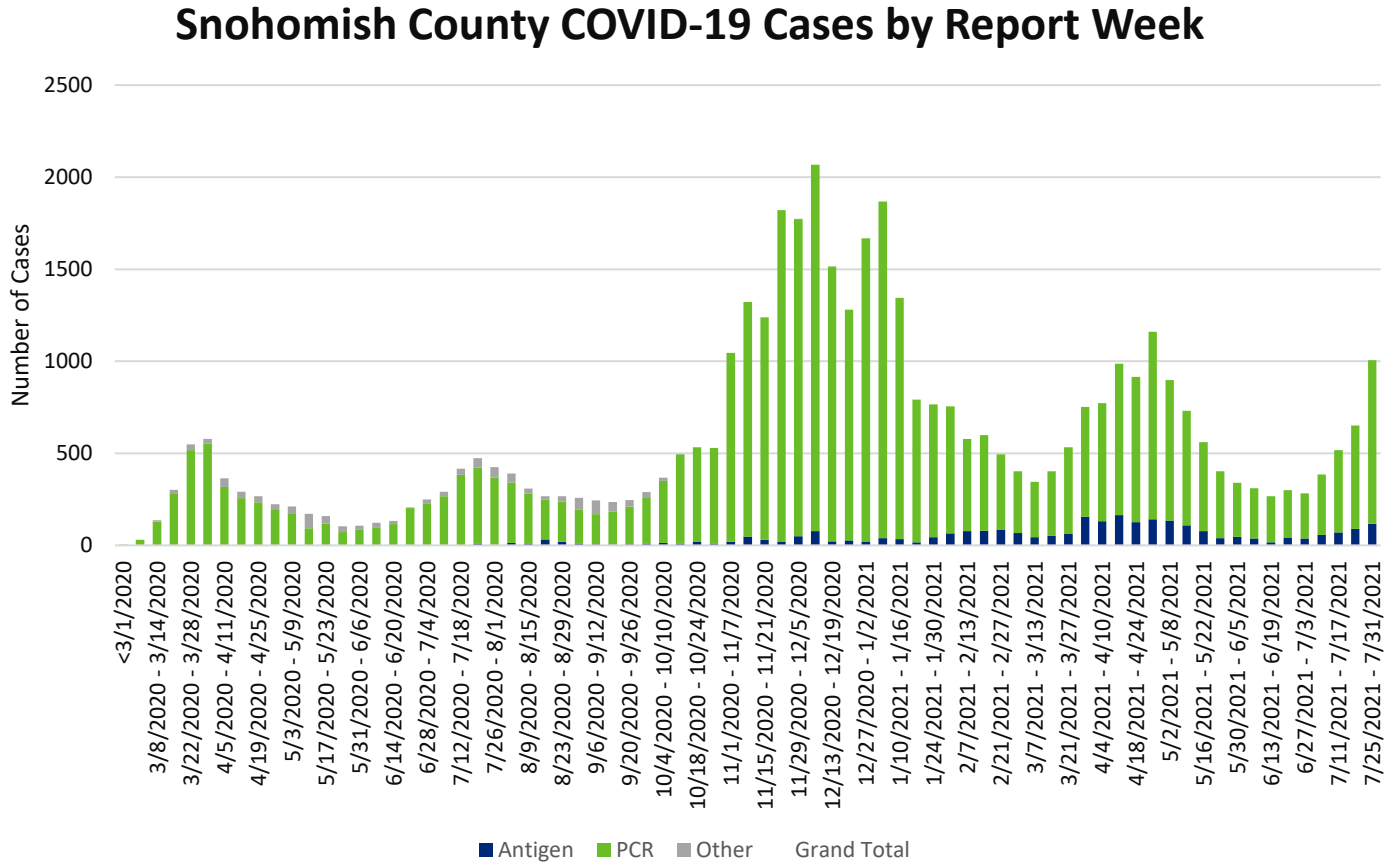
COVID-19 EPIDEMIOLOGIC OVERVIEW

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



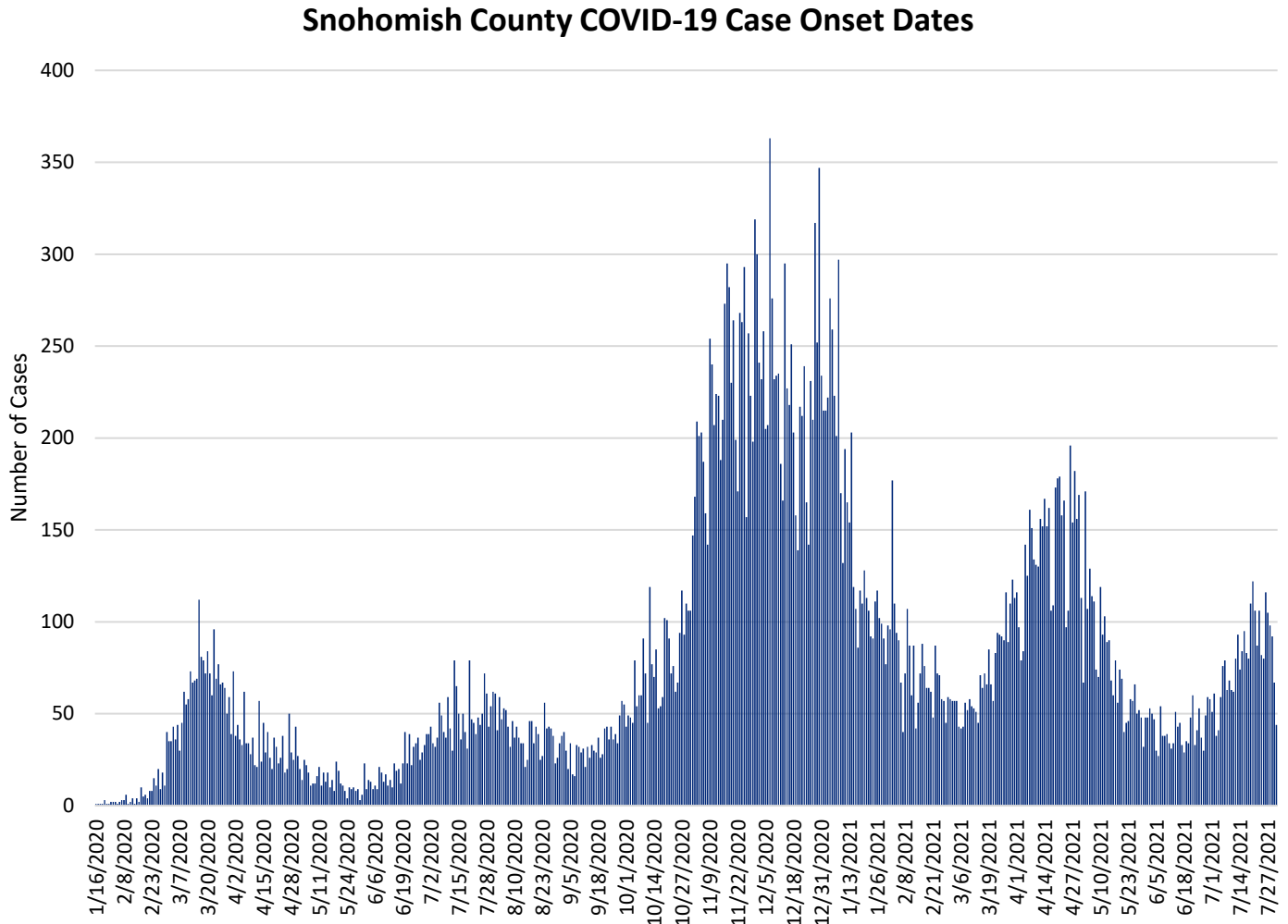
Data source: Snohomish Health District COVID-19 database.

Figure 2: Number of Snohomish County COVID-19 cases by week of report



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Figure 3: COVID-19 epidemiologic curve



Note: data for the most recent week (far right end) of the figure are not complete, and those counts are likely to increase with completion of pending investigations.

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Figure 4: Cumulative total COVID-19 cases in Snohomish County by report date

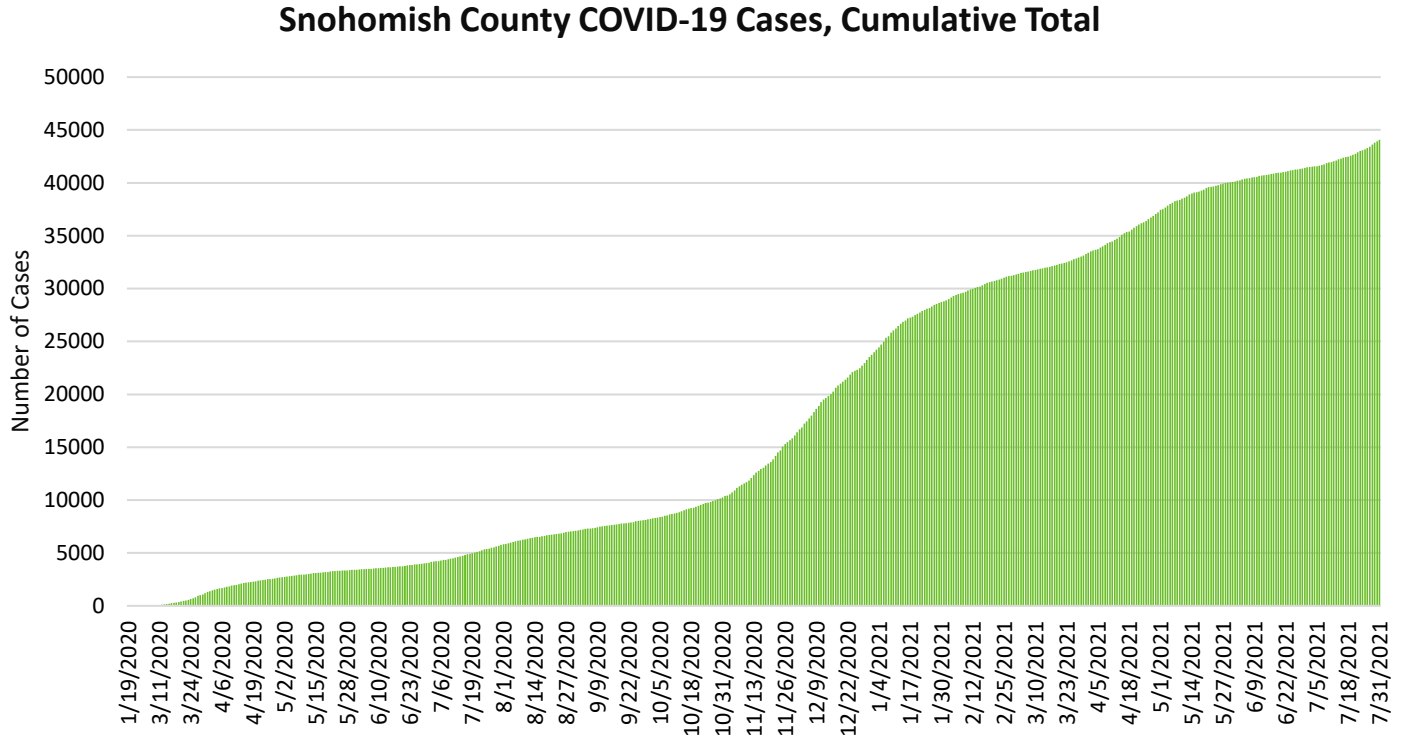


Table 1: Sex at birth of COVID-19 cases in Snohomish County

Sex at birth	July 2021	June 2021	Cumulative 1/20/2020-7/31/2021
Female	1,341	654	22,038
Male	1,329	664	22,026
Unknown	0	0	15
Grand Total	2,670	1,318	44,079

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

Age group in years	July 2021	June 2021	Cumulative 1/20/2020-7/31/2021
0-14	396	211	4,691
15-19	214	90	3,258
20-29	522	272	8,534
30-39	496	241	8,201
40-49	384	202	7,064
50-59	283	140	5,759
60-69	217	102	3,563
70-79	95	35	1,679
80+	63	23	1,311
Unknown	0	2	19
Grand Total	2,670	1,318	44,079

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

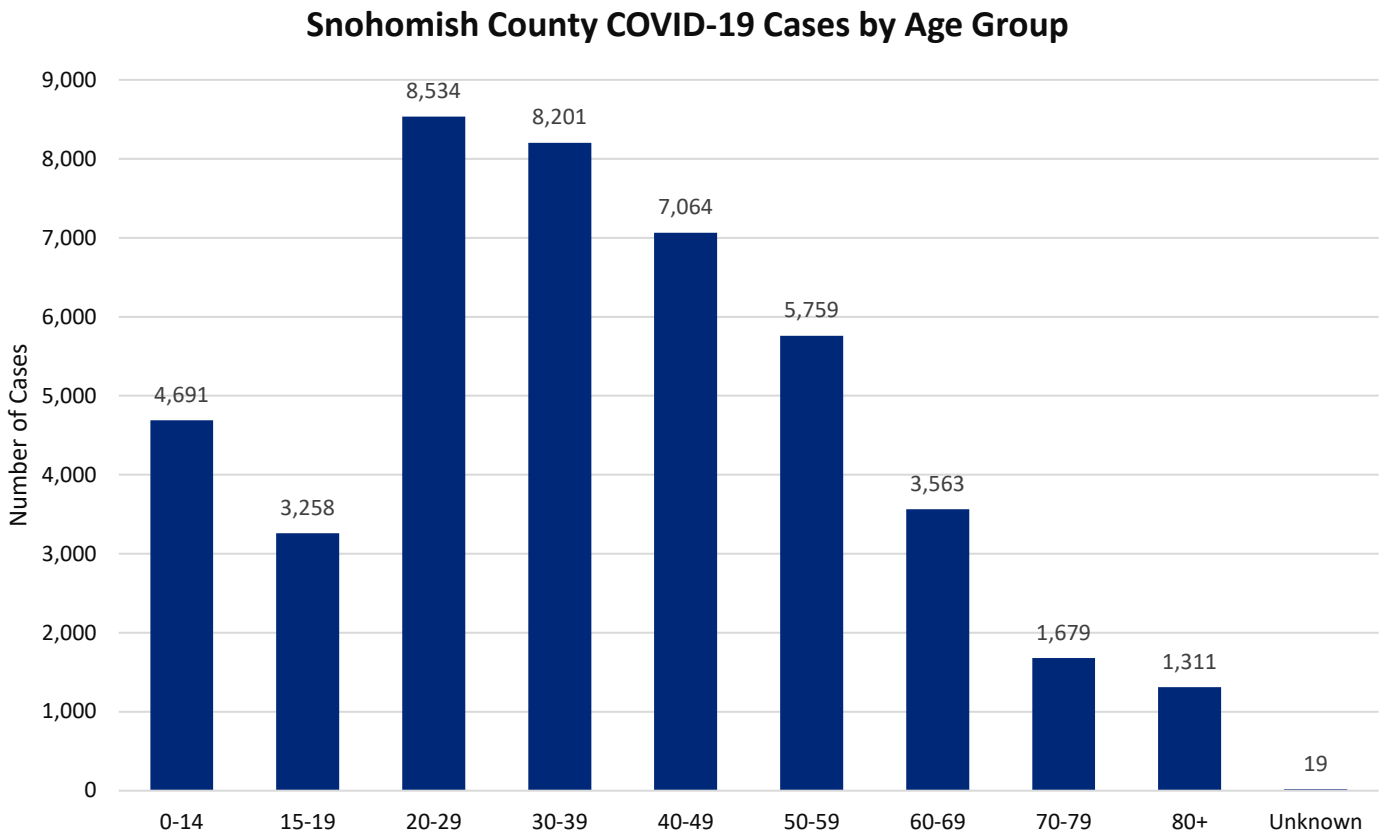
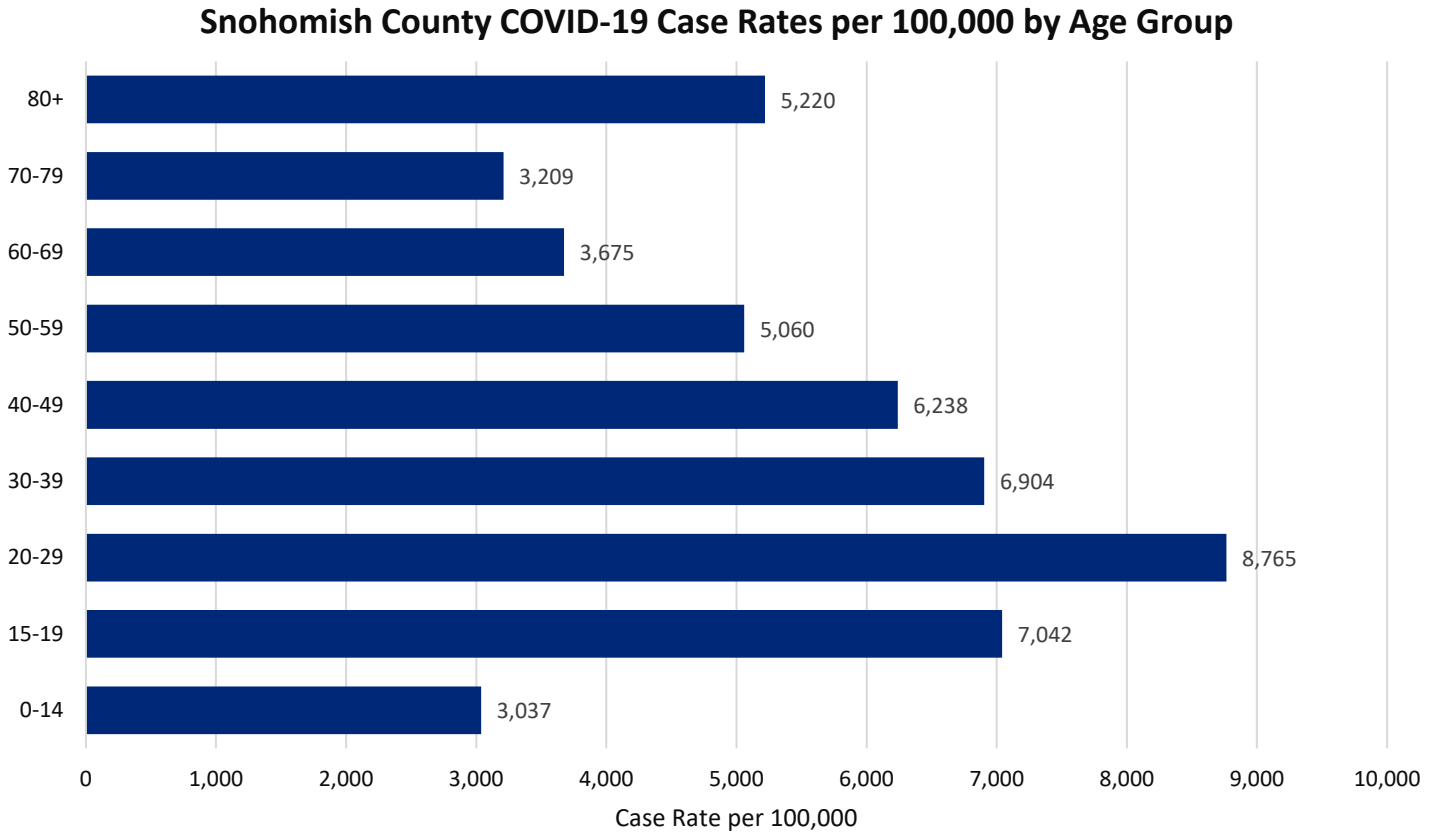
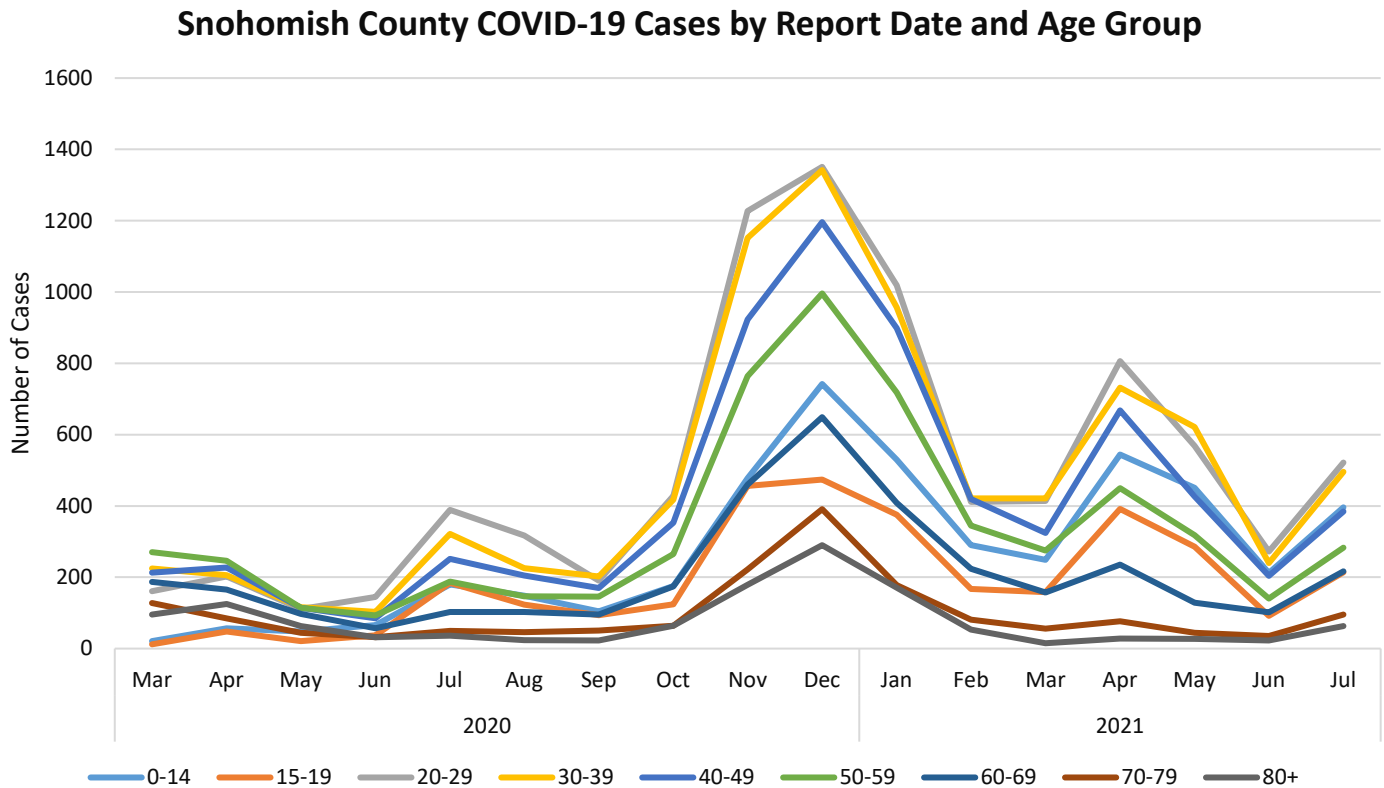


Figure 6: Snohomish County cumulative COVID-19 case rates per 100,000 by age group



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



*Notes: As time intervals on the x-axis are shown in sequential weekly periods, findings here may lag behind changes noted in Table 2 above.

Table 3: Type of exposure among COVID-19 cases in Snohomish County

Type of exposure	July 2021	June 2021	Cumulative 1/20/2020-7/31/2021
Close contact	1,061	533	17,117
Community acquired	887	427	13,689
Long-term Care Facility Associated	43	7	2,034
Corrections	<5	<5	659
Healthcare Worker	<5	<5	553
Travel	<5	<5	154
Nosocomial	<5	<5	59
Unknown	676	349	9,814
Grand Total	2,670	1,318	44,079

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Figure 8: Type of exposure among Snohomish County COVID-19 cases by month of illness onset

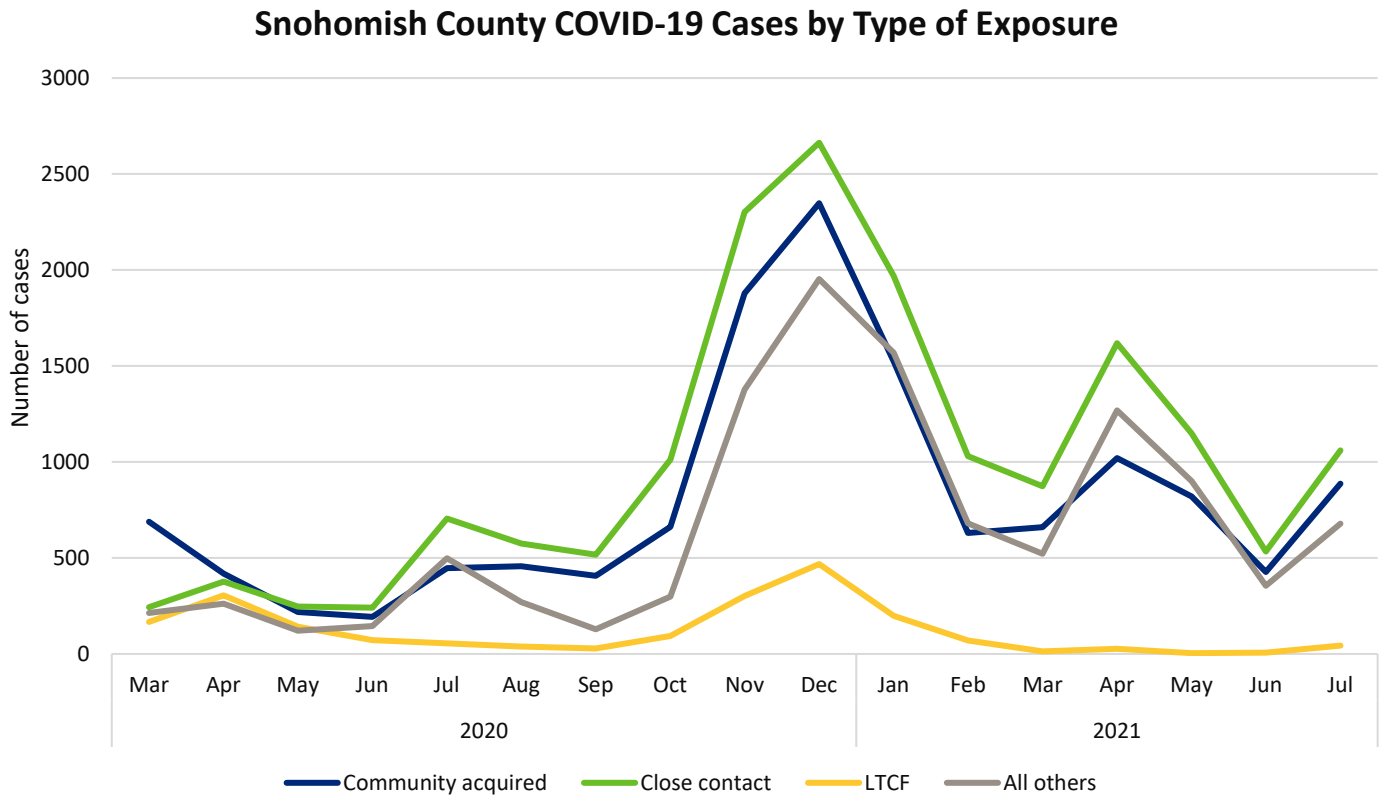


Table 4: Current case status of COVID-19 cases in Snohomish County

Current status	July 2021	June 2021	Cumulative 1/20/2020-7/31/2021
Home isolation	1,346	639	1,346
Hospitalized	52	18	59
Survived ¹	775	395	41,553
Deceased	12	13	635
Unknown <28 days since case report	485	253	486
Grand Total	2,670	1,318	44,079

¹No longer in isolation, not hospitalized at this time, not deceased, >28 days since case report

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Table 5: Symptom status of confirmed COVID-19 cases in Snohomish County by month of report

Year	Month	Asymptomatic	Symptomatic	Percent asymptomatic	Total
2020	Jan-Feb	0	5	0%	5
2020	March	17	990	2%	1,007
2020	April	89	940	9%	1,029
2020	May	90	456	16%	546
2020	June	99	387	20%	486
2020	July	214	973	18%	1,187
2020	August	127	896	12%	1,023
2020	September	78	619	11%	697
2020	October	164	1,553	10%	1,717
2020	November	420	4,080	9%	4,500
2020	December	823	4,850	15%	5,673
2021	January	595	3,454	15%	4,049
2021	February	269	1,641	14%	1,910
2021	March	158	1,423	10%	1,581
2021	April	268	2,465	10%	2,733
2021	May	215	1,918	10%	2,133
2021	June	115	926	11%	1,041
2021	July	114	1,669	6%	1,783
Grand Total		3,949	30,435	11%	34,384

Data source: WDRS, only includes confirmed cases with available symptom status data. This table is updated monthly.

Table 6: Hospitalization of COVID-19 cases in Snohomish County

Ever hospitalized	July 2021	June 2021	Cumulative 1/20/2020-7/31/2021
No	1,833	887	31,512
Yes	154	79	2,167
Unknown	683	352	10,400
Grand Total	2,670	1,318	44,079

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Table 7: COVID outbreaks by type

Type of outbreak	July 2021	June 2021	Cumulative 1/20/2020-7/31/2021
Adult family home	2	0	65
Agriculture	0	1	3
Bar	0	0	5
Behavioral health	0	0	3
Childcare	1	3	52
Community	0	0	1
Construction	3	7	79
Corrections	0	0	2
Distribution	1	2	11
Emergency services	1	0	3
Faith based services	4	2	33
Financial Institution	0	1	9
Food processing	0	0	16
Government	2	0	17
Gym/Fitness Center	0	0	3
Healthcare provider	2	0	16
Home health	1	0	4
Hospital	0	0	6
Landscaping	0	0	10
Leisure/recreation	4	1	18
Long-term care facility	5	2	105
Manufacturing	5	10	113
Personal Care and Services	1	1	14
Real estate	2	1	13
Restaurant	1	3	81
Retail	3	3	117
School	4	4	47
Service provider	5	8	77
Shelter	0	0	5
Social Event	2	0	27
Supported Living	0	0	2
Transportation	0	0	7
Utilities	3	2	14
Total number of outbreaks (number of cases)	52 (218)	51 (167)	978 (6,416)

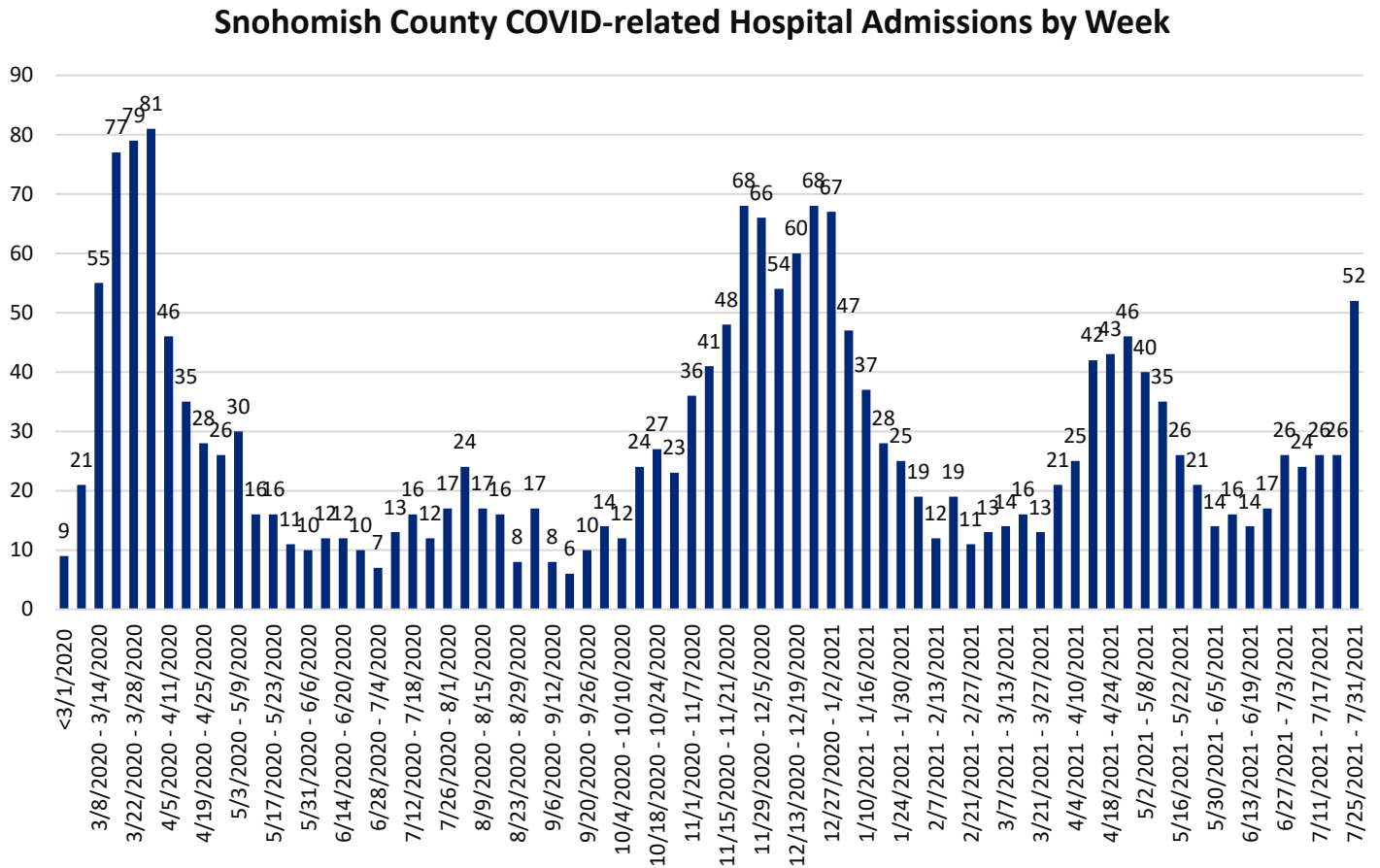
**MONTHLY COVID-19 REPORT
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Table 8: City of residence of COVID-19 cases in Snohomish County

City	July 2021	June 2021	Cumulative 1/20/2020-7/31/2021
Arlington	202	71	2,457
Bothell	187	87	3,094
Brier	18	9	225
Darrington	<5	<5	51
Edmonds	124	64	2,437
Everett	506	306	10,806
Gold Bar	12	14	202
Granite Falls	33	34	474
Index	<5	<5	<5
Lake Stevens	226	135	2,760
Lynnwood	283	141	5,934
Marysville	352	166	4,699
Mill Creek	79	22	834
Monroe	110	62	2,383
Mountlake Terrace	54	24	1,097
Mukilteo	64	24	814
North Lakewood	<5	<5	10
Silvana	<5	<5	16
Snohomish	251	83	3,150
Stanwood	95	25	1,326
Startup	<5	<5	5
Sultan	19	17	396
Tulalip	46	26	709
Woodinville	7	<5	131
Woodway	<5	<5	53
Unknown	0	<5	14
Grand Total	2,670	1,318	44,079

COVID-19 CONTROL PROCESS INDICATORS

Figure 9: COVID-related hospital admissions by week



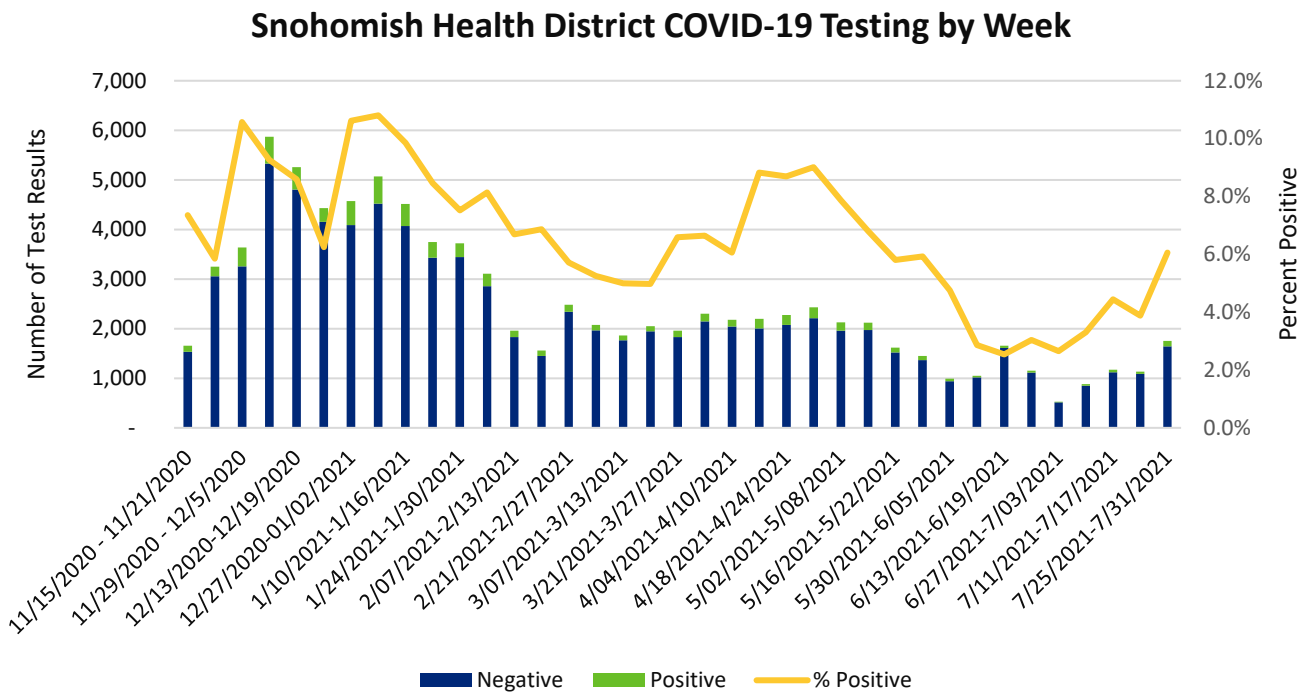
Data source: Snohomish Health District COVID-19 database

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Table 9: Snohomish Health District testing activity by week

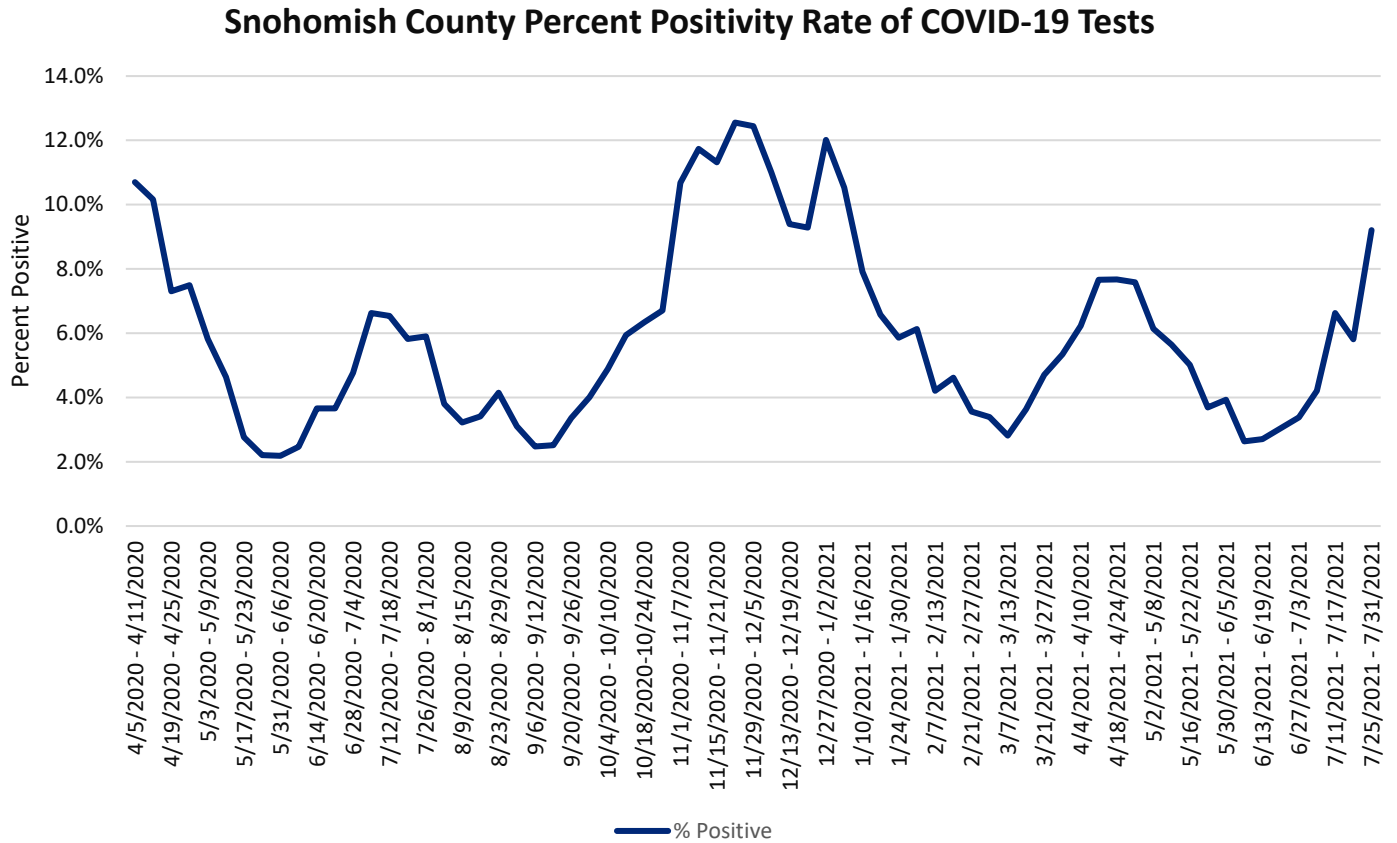
Week	Tests Reported	Negative	Positive	% Positive
5/30/2021-6/05/2021	989	942	47	4.8%
6/06/2021-6/12/2021	1,049	1,019	30	2.9%
6/13/2021-6/19/2021	1,654	1,612	42	2.5%
6/20/2021-6/26/2021	1,150	1,115	35	3.0%
6/27/2021-7/03/2021	528	514	14	2.7%
7/04/2021-7/10/2021	879	850	29	3.3%
7/11/2021-7/17/2021	1,170	1,118	52	4.4%
7/18/2021-7/24/2021	1,135	1,091	44	3.9%
7/25/2021-7/31/2021	1,751	1,645	106	6.1%
Total	10,305	9,906	399	3.9%

Figure 10: Snohomish Health District COVID-19 testing by week



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Figure 11: Snohomish County percent positivity rate pf COVID-19 testing



*Data source: Washington State Department of Health COVID-19 data dashboard

Table 10: Percent of case investigations completed within 1 and 2 days of initial notification of case

2-week period	Cases Reported	Number contacted within 1 day	Percent contacted within 1 day	Number contacted within 2 days	Percent contacted within 2 days
4/4-4/17/2021	1,706	570	33%	859	50%
4/18-5/1/2021	1,889	620	33%	946	50%
5/2-5/15/2021	1,589	670	42%	887	56%
5/16-5/29/2021	951	444	47%	526	55%
5/30-6/12/2021	645	320	50%	405	63%
6/13-6/26/2021	728	391	54%	462	63%
6/27-7/10/2021	666	253	38%	334	50%
7/11-7/24/2021	1,168	516	44%	680	58%

Data source: Snohomish Health District COVID-19 database

Figure 12: Case notification to investigation completion interval in days (7/11-7/24/2021)

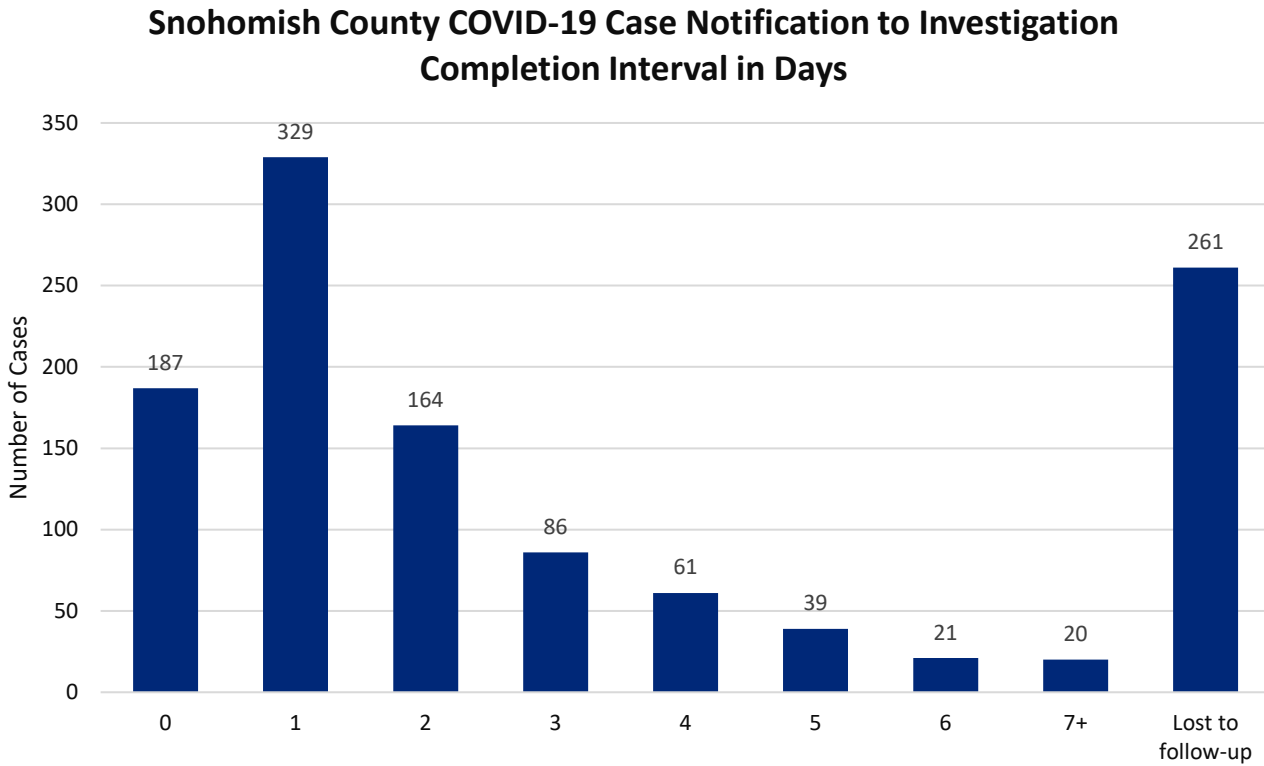


Table 11: Percent of identified contacts notified and quarantined within 2 days

Week	Contacts identified	Number contacted within 2 days	Percent contacted within 2 days
4/4-4/17/2021	816	425	52%
4/18-5/1/2021	990	558	56%
5/2-5/15/2021	753	421	44%
5/16-5/29/2021	608	436	72%
5/30-6/12/2021	560	381	68%
6/13-6/26/2021	584	383	66%
6/27-7/10/2021	450	282	63%
7/11-7/24/2021	792	513	65%

Data source: Snohomish Health District contact database.

COVID-19 IN LONG-TERM CARE FACILITIES

Long-term Care Facility (LTCF) Associated COVID-19 Cases:

Figure 13: LTCF-associated COVID-19 cases by onset date

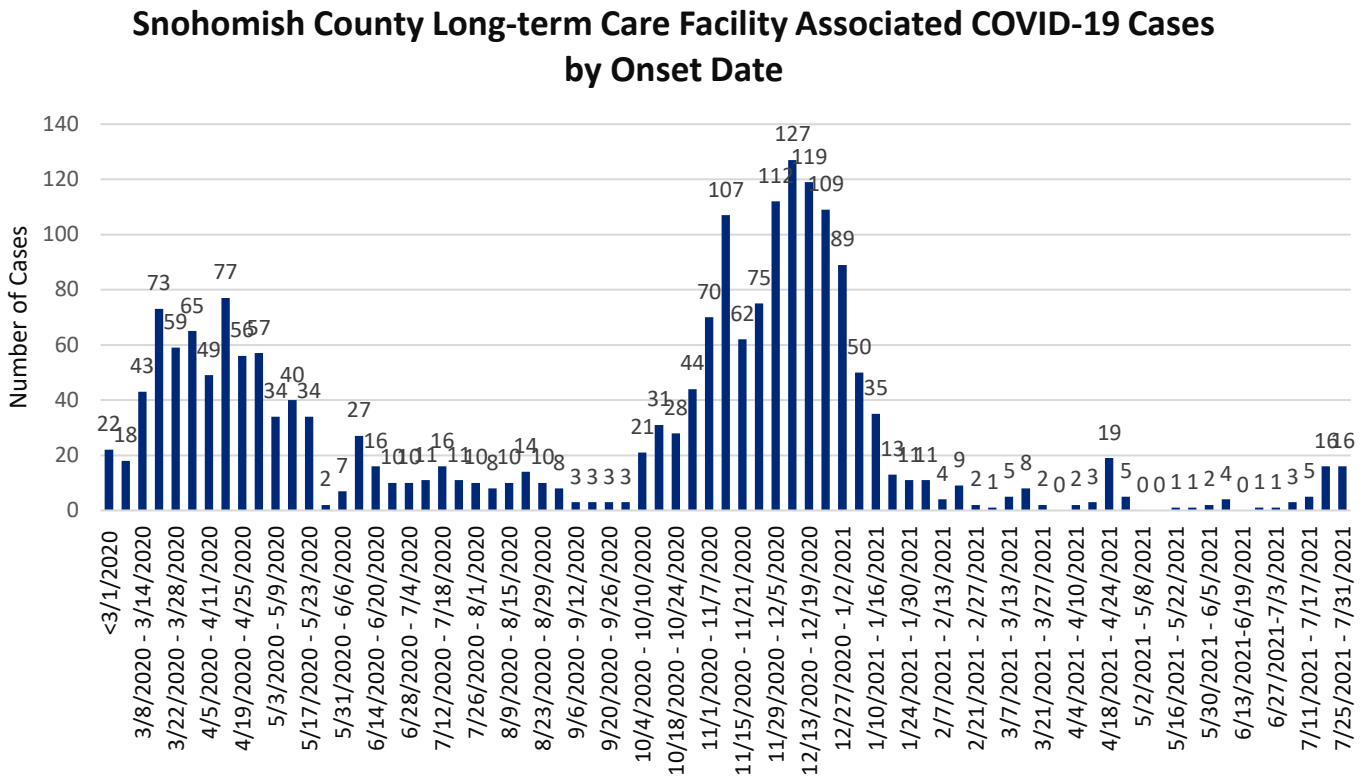


Table 12: Type of LTCF-associated COVID-19 cases (by date of report)

Type	July 2021	June 2021	Cumulative 1/20/2020-7/31/2021
Resident	29	<5	1,120
Staff	13	<5	901
Other	<5	0	13
Grand Total	43	7	2,034

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Table 13: Current status of LTCF-associated COVID-19 cases (by date of report)

Current status	July 2021	June 2021	Cumulative 1/20/2020-7/31/2021
Home isolation	30	<5	30
Hospitalized	7	<5	7
Survived ¹	5	<5	1,713
Deceased	<5	<5	283
Unknown	<5	<5	1
Grand Total	43	7	2,034

¹No longer in isolation, not hospitalized at this time, not deceased, >28 days since case report

Table 14: LTCF-associated cases ever hospitalized for COVID-19 illness (by date of report)

Ever hospitalized	July 2021	June 2021	Cumulative 1/20/2020-7/31/2021
No	33	6	1,404
Yes	8	<5	361
Unknown	<5	<5	269
Grand Total	43	7	2,034

Table 15: Current COVID-19 outbreaks among long-term care facilities and adult family home (note only outbreaks with >5 cases are listed)

Facility	Number	Date outbreak reported	Date outbreak resolved*
Washington Oakes Everett	25	7/21/2021	8/29/2021
Cline Adult Family Home Everett	7	7/27/2021	8/24/2021

*Date outbreak resolved is calculated as 28 days from the last case onset date.

COVID-19 DEATHS

Figure 14: Snohomish County COVID-19 related deaths by date of death

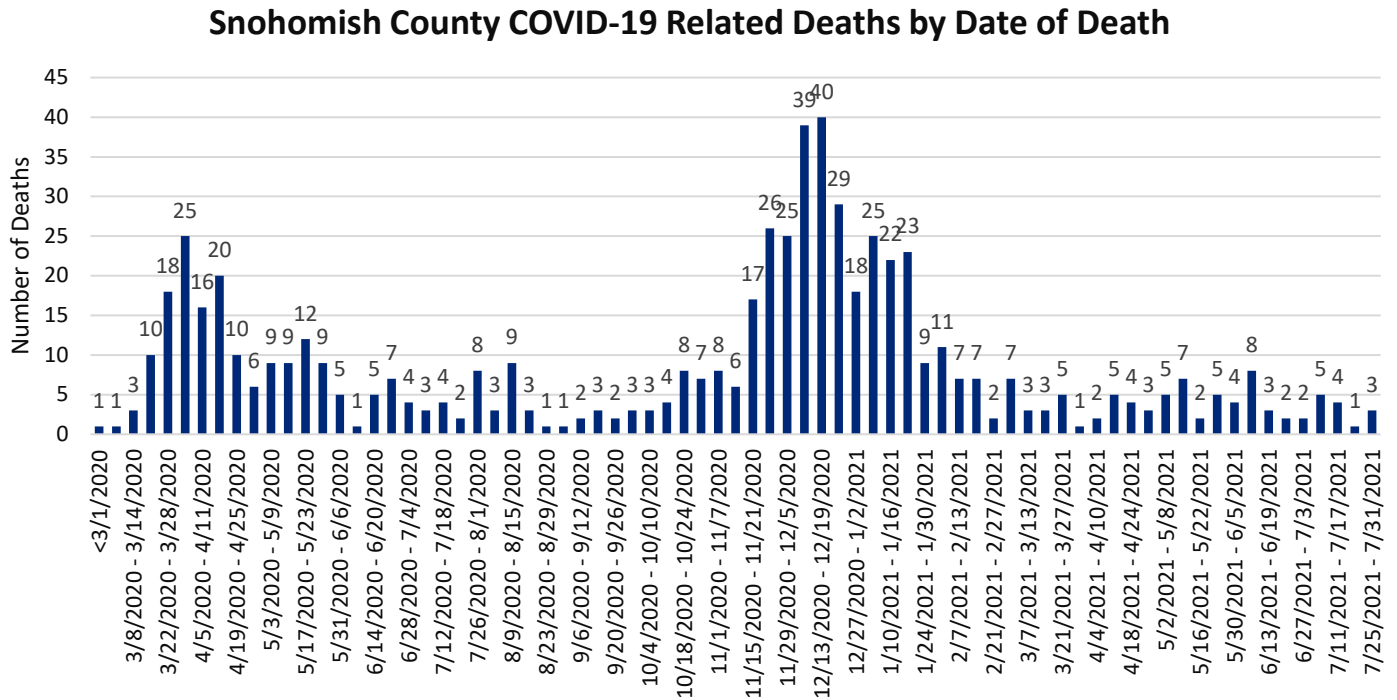


Table 16: Gender of COVID-19 related deaths in Snohomish County by case report date

Sex at birth	July 2021	June 2021	Cumulative 1/20/2020-7/31/2021
Female	5	8	306
Male	9	9	330
Grand Total	14	17	636

Table 17a: Age group of COVID-19 related deaths in Snohomish County by report week

Age group in years	July 2021	June 2021	Cumulative 1/20/2020-7/31/2021
20-29	<5	<5	5
30-39	<5	<5	5
40-49	<5	<5	25
50-59	<5	<5	38
60-69	<5	6	91
70-79	5	<5	164
80+	<5	<5	308
Grand Total	14	17	636

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Table 17b. 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 (%)
20-29	5	1%	5.1	0.1%
30-39	5	1%	4.2	0.1%
40-49	25	4%	22.1	0.4%
50-59	38	6%	33.4	0.7%
60-69	91	14%	93.9	2.6%
70-79	164	26%	315.3	9.8%
80+	308	48%	1,226.3	23.5%
Grand Total	636	100%	76.7	1.4%

Figure 15: Number of Snohomish County COVID-19 related deaths by age group

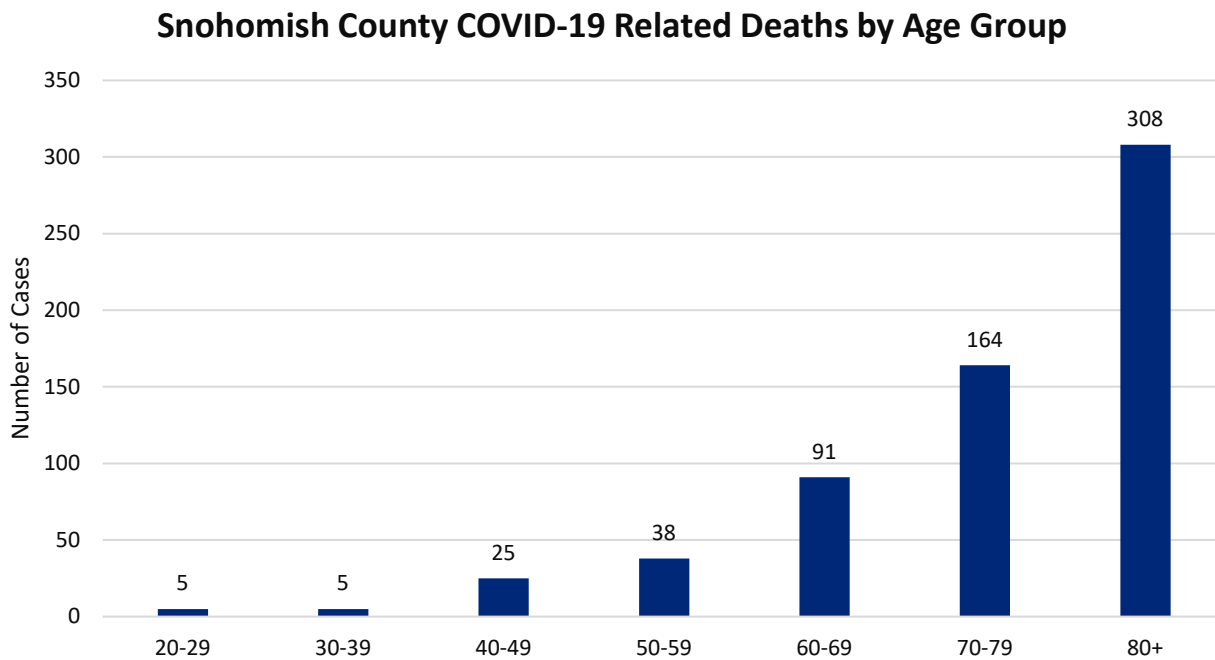


Table 18: Underlying health conditions of COVID-19 related deaths in Snohomish County

Underlying health condition	Number	Percent
Yes	559	87.9%
No	36	5.7%
Unknown	41	6.4%
Grand Total	636	100.0%

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

Ever hospitalized	Number	Percent
Yes	446	70.1%
No	168	26.4%
Unknown	22	3.5%
Grand Total	636	100.0%

Table 20: Type of exposure among COVID-19 related deaths in Snohomish County

Type of exposure	July 2021	June 2021	Cumulative 1/20/2020-7/31/2021
Long-term care facility associated	<5	0	283
Community acquired	<5	5	158
Close contact	6	7	86
Nosocomial	<5	0	20
Travel	<5	0	<5
Healthcare worker	<5	0	<5
Unknown	<5	5	85
Grand Total	14	17	636

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Table 21: City of residence of COVID-19 related deaths in Snohomish County

City	July 2021	June 2021	Cumulative 1/20/2020-7/31/2021
Arlington	<5	<5	37
Bothell	<5	<5	33
Darrington	<5	<5	<5
Edmonds	<5	<5	62
Everett	<5	<5	167
Gold Bar	<5	<5	<5
Granite Falls	<5	<5	<5
Lake Stevens	<5	<5	22
Lynnwood	<5	<5	83
Marysville	<5	<5	69
Mill Creek	<5	<5	11
Monroe	<5	<5	32
Mountlake Terrace	<5	<5	10
Mukilteo	<5	<5	10
Snohomish	<5	<5	25
Stanwood	<5	<5	47
Sultan	<5	<5	<5
Tulalip	<5	<5	12
Woodinville	<5	<5	<5
Grand Total	14	17	636

COVID-19 VACCINE BREAKTHROUGH CASES

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).

Figure 16: COVID-19 case rates per 100,000 by month and vaccination status

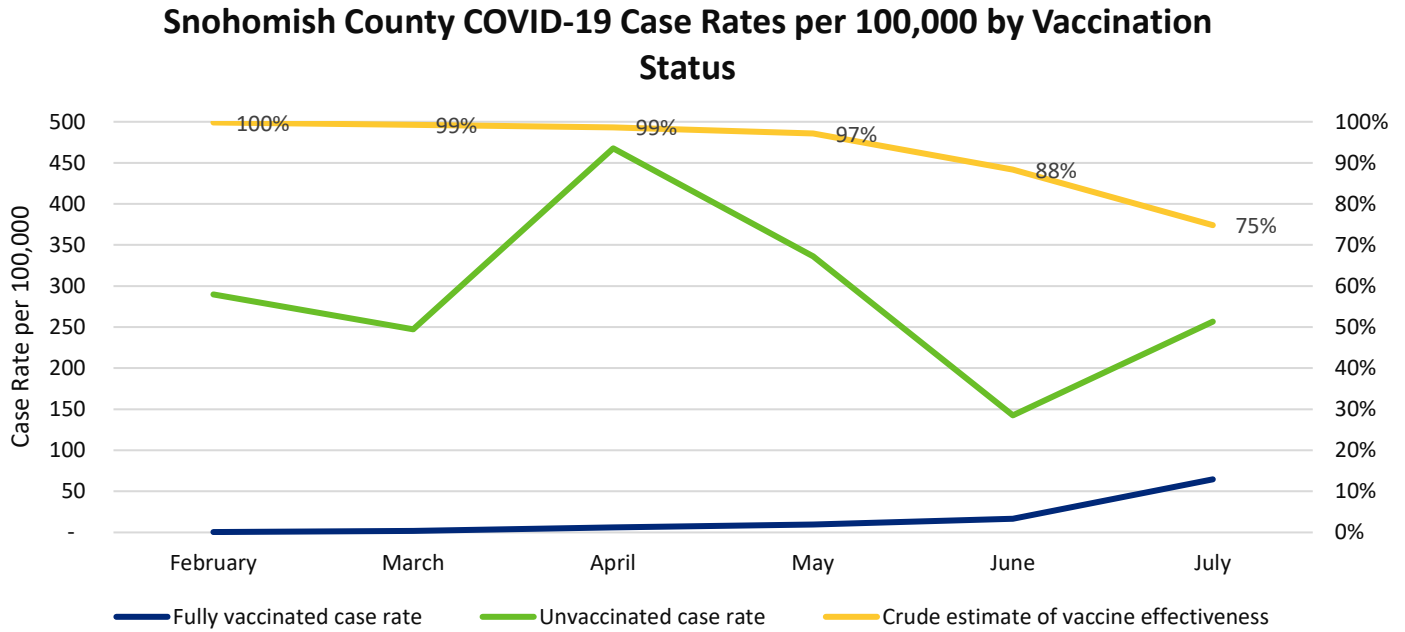


Table 22: COVID-19 cases by vaccination status

Month	Total number of cases	Number of COVID-19 vaccine breakthrough cases	Percent unvaccinated
February	2,412	4	99.8%
March	2,069	16	99.2%
April	3,936	52	98.7%
May	2,873	80	97.2%
June	1,322	138	89.6%
July	2,670	537	79.9%
Total	15,282	827	94.6%

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Figure 17: COVID-19-related hospitalizations by vaccine status

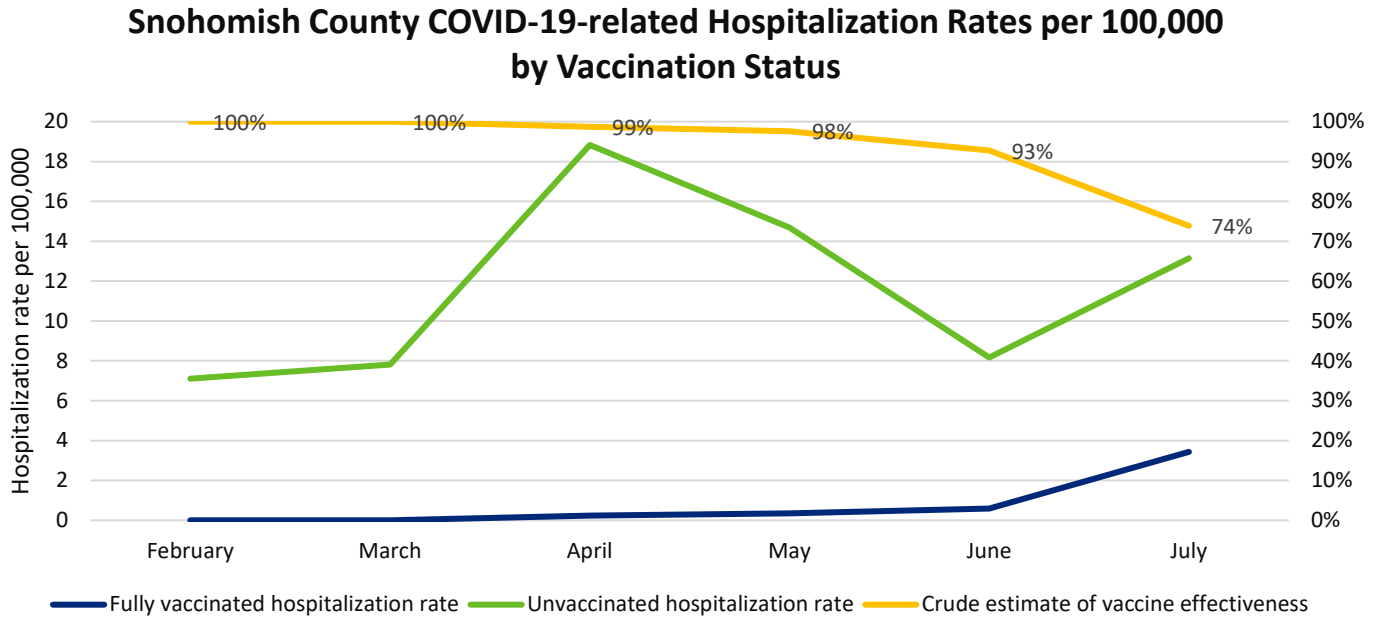


Table 23: COVID-19-related hospitalizations by vaccine status

Month	Total COVID-19 related hospitalizations	COVID-19 vaccine breakthrough hospitalizations	Percent unvaccinated
February	60	0	100.0%
March	66	0	100.0%
April	161	2	98.8%
May	127	3	97.6%
June	74	5	93.2%
July	140	29	79.3%
Total	628	39	93.8%

Table 24: COVID-19-related deaths by vaccination status

Month	Total COVID-19 related deaths	COVID-19 vaccine breakthrough deaths	Percent unvaccinated
February	27	0	100.0%
March	18	0	100.0%
April	13	0	100.0%
May	21	0	100.0%
June	17	2	88.2%
July	14	2	85.7%
Total	110	4	96.4%