

COVID-19 Trends, Clark County, NV

(FOR OFFICIAL USE ONLY)

Document creation date: December 4, 2023

Technical Notes:

- **General notes:** This report uses surveillance data collected by the Southern Nevada Health District. Due to delays related to laboratory processing, reporting, and case investigations, data from the most recent days are less complete than data from older time points. For this reason, as of June 10, 2020 this report will not display data from the previous three days prior to the date that the report was created. As many case investigations are ongoing, all data presented in this report are considered preliminary and subject to change. Data regarding cases, hospitalizations, deaths, and labs were last updated December 4, 2023 at 12:00 AM, and data is reported up through December 3, 2023.
- **Cases:** Symptom onset date was used for aggregating cases. If symptom onset date was missing, the following dates were substituted in this order: diagnosis date, lab collection date, report date (date case was reported to SNHD), event creation date (date case was entered into EpiTrax, SNHD's surveillance system).
- **Hospitalizations:** Admission date reported the the Nevada Hospital Association was used for aggregating hospitalizations. One person could have more than one admissions.
- **Hospital admission levels** were based on 7-day total of new COVID-19 hospital admissions per 100,000 population: high means greater than or equal to 20.0 per 100,000, medium means less than 20.0 but greater than or equal to 10.0 per 100,000, low means less than 10.0 per 100,000.
- **Deaths:** Date of death was used for aggregating deaths. If date of death was missing, report date was used.
- The population data source for calculating rate estimates was from Nevada State Demographer "2019 ASRHO Estimates and Projections Summary 2000 to 2038", 2020 projection, vintage 2019. Rates for individual age categories may be based on small numbers, which may give unstable estimates.

- The "Percent Change in Weekly Totals from Previous Week" graph and table display the percentage change in weekly totals of cases, hospitalizations, and deaths from the previous weekly totals. For the purpose of calculating weekly totals, weeks start on Monday and end on Sunday. A particular week will only be displayed in the report if data of every day in that week has been released. For example, if the report was created on June 10, 2020, the last day of reported data will be from Saturday June 6. Since data is only available for six of the seven days in that particular week, that week will not be included in the report.
- All graphs in this report show data from approximately 60 days prior to the date of the report.
- All tables show data from the last 14 days before the current date, with the exception of the "Percent Change in Weekly Totals from Previous Week", which displays data from the previous eight completed weeks.
- For the "Percent of People Receiving COVID-19 PCR Tests Who Have Positive Results" graph, one person who has multiple specimens collected in one day is only reported once. If any test of that person is positive, that person counts as a positive result. If all tests of that individual are negative, that person counts as a negative result. Laboratory tests were included if they were a test assessing for the presence of SARS-CoV-2 viral RNA, for example PCR tests. Antibody and antigen tests were excluded.
- For the "Percent of Total COVID-19 PCR Tests With Positive Results" graph, the numerator is the total number of positive tests, and the denominator is the total number of tests performed. Multiple tests are possible for each individual per day if more than one sample was collected. Laboratory tests were included if they were a test assessing for the presence of SARS-CoV-2 viral RNA, for example PCR tests. Antibody and antigen tests were excluded. Laboratory test results were included if they were reported electronically by laboratories or providers. Tests were excluded if entered by SNHD surveillance staff manually, as surveillance staff do not typically enter negative results, and this would bias the results of the graph in the positive direction.
- Syndromic Surveillance: Data source is the Electronic Surveillance System for the Early Notification of Community-based Epidemics (ESSENCE) Nevada. These data capture the Percent of emergency department visits that could presumptively be related to COVID-19 at non-federal acute care hospitals in Clark County. This includes visits where 1) the chief complaint of the patient was a symptom of coronavirus-like illness (i.e., fever and chills, cough, shortness of breath); or 2) a patient was diagnosed with symptoms of coronavirus-like illness; or 3) a patient was diagnosed with COVID-19. Visits among patients who were diagnosed with Influenza were excluded.

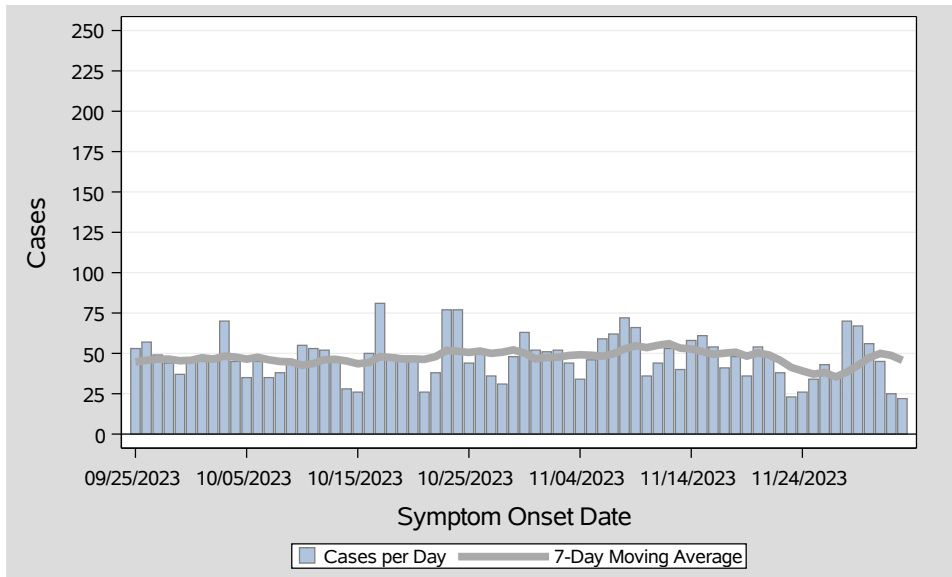


Table 1: COVID-19 Cases per Day, Clark County, NV

Date	Cases Per Day	7-Day Moving Average
Nov 17	41	50.1
Nov 18	48	50.7
Nov 19	36	48.3
Nov 20	54	50.3
Nov 21	49	49.0
Nov 22	38	45.7
Nov 23	23	41.3
Nov 24	26	39.1
Nov 25	34	37.1
Nov 26	43	38.1
Nov 27	35	35.4
Nov 28	70	38.4
Nov 29	67	42.6
Nov 30	56	47.3
Dec 01	45	50.0
Dec 02	25	48.7
Dec 03	22	45.7

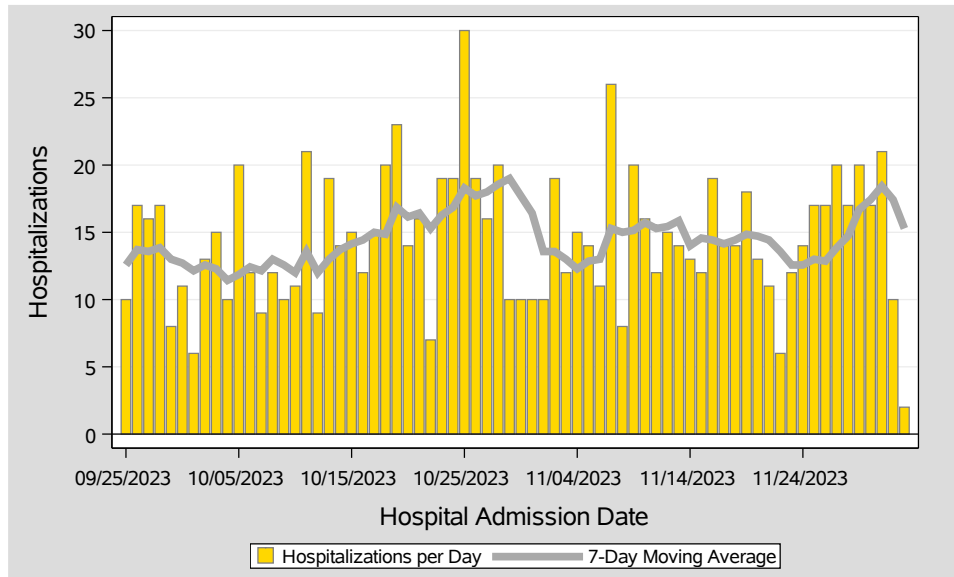


Table 2: COVID-19 Hospitalizations per Day, Clark County, NV

Date	Hospitalizations Per Day	7-Day Moving Average	7-Day Total Hospitalizations per 100K	Hospital Admission Level
Nov 17	14	14.1	4.27	Low
Nov 18	14	14.4	4.36	Low
Nov 19	18	14.9	4.49	Low
Nov 20	13	14.7	4.44	Low
Nov 21	11	14.4	4.36	Low
Nov 22	6	13.6	4.10	Low
Nov 23	12	12.6	3.80	Low
Nov 24	14	12.6	3.80	Low
Nov 25	17	13.0	3.93	Low
Nov 26	17	12.9	3.88	Low
Nov 27	20	13.9	4.18	Low
Nov 28	17	14.7	4.44	Low
Nov 29	20	16.7	5.05	Low
Nov 30	17	17.4	5.26	Low
Dec 01	21	18.4	5.56	Low
Dec 02	10	17.4	5.26	Low
Dec 03	2	15.3	4.62	Low

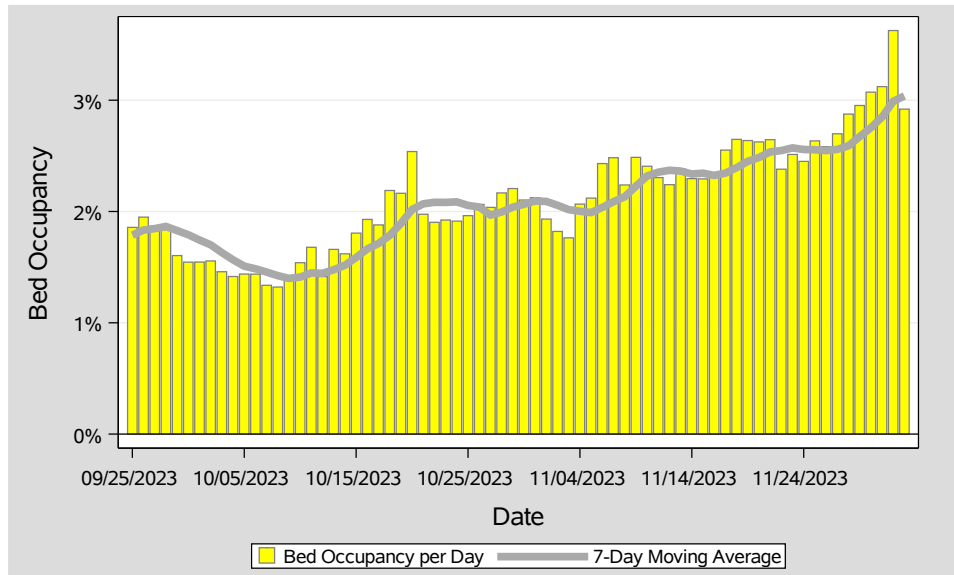


Table 3: Percent of Bed Occupancy per Day, Clark County, NV

Date	Bed Occupancy Per Day	7-Day Moving Average
Nov 17	2.55%	2.34%
Nov 18	2.65%	2.39%
Nov 19	2.64%	2.45%
Nov 20	2.63%	2.49%
Nov 21	2.65%	2.54%
Nov 22	2.38%	2.55%
Nov 23	2.51%	2.57%
Nov 24	2.45%	2.56%
Nov 25	2.63%	2.56%
Nov 26	2.58%	2.55%
Nov 27	2.70%	2.56%
Nov 28	2.88%	2.59%
Nov 29	2.95%	2.67%
Nov 30	3.07%	2.75%
Dec 01	3.12%	2.85%
Dec 02	3.63%	2.99%
Dec 03	2.92%	3.04%

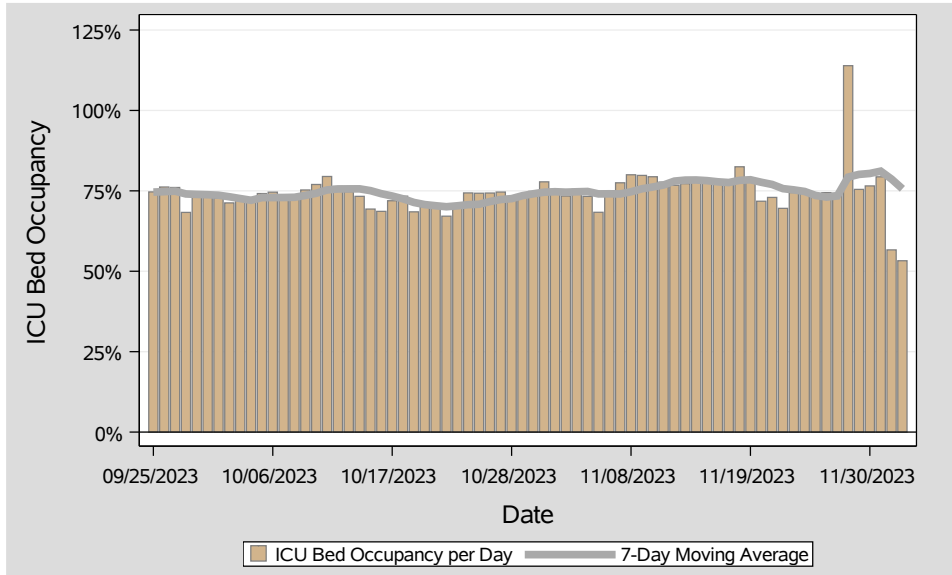


Table 4: Percent of ICU Bed Occupancy per Day, Clark County, NV

Date	ICU Bed Occupancy Per Day	7-Day Moving Average
Nov 17	77.82%	77.59%
Nov 18	82.49%	78.27%
Nov 19	78.00%	78.45%
Nov 20	71.78%	77.67%
Nov 21	72.96%	76.99%
Nov 22	69.56%	75.69%
Nov 23	74.47%	75.30%
Nov 24	74.37%	74.80%
Nov 25	73.86%	73.57%
Nov 26	74.44%	73.06%
Nov 27	74.26%	73.42%
Nov 28	113.92%	79.27%
Nov 29	75.46%	80.11%
Nov 30	76.54%	80.41%
Dec 01	79.36%	81.12%
Dec 02	56.64%	78.66%
Dec 03	53.27%	75.64%

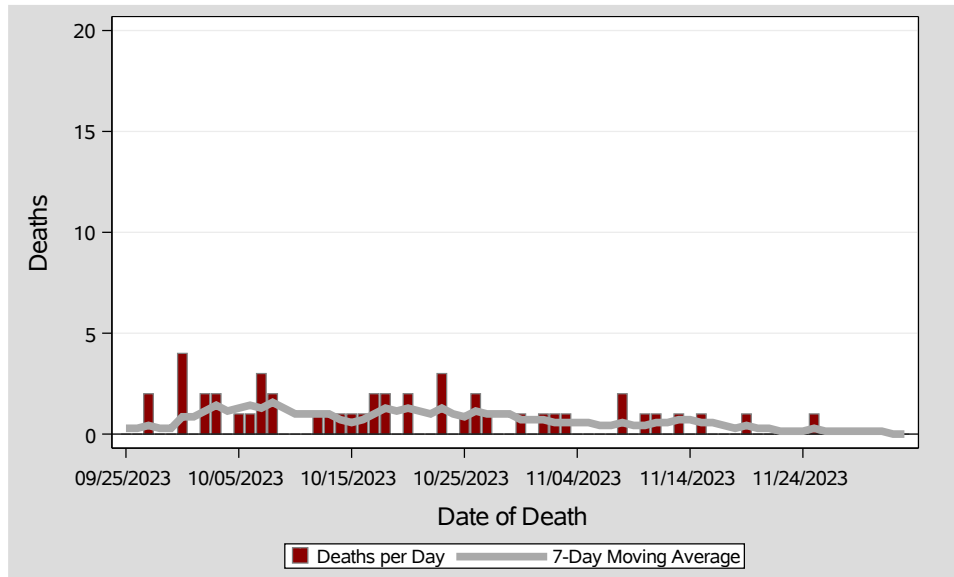


Table 5: COVID-19 Deaths per Day, Clark County, NV

Date	Deaths Per Day	7-Day Moving Average
Nov 17	0	0.4
Nov 18	0	0.3
Nov 19	1	0.4
Nov 20	0	0.3
Nov 21	0	0.3
Nov 22	0	0.1
Nov 23	0	0.1
Nov 24	0	0.1
Nov 25	1	0.3
Nov 26	0	0.1
Nov 27	0	0.1
Nov 28	0	0.1
Nov 29	0	0.1
Nov 30	0	0.1
Dec 01	0	0.1
Dec 02	0	0.0
Dec 03	0	0.0

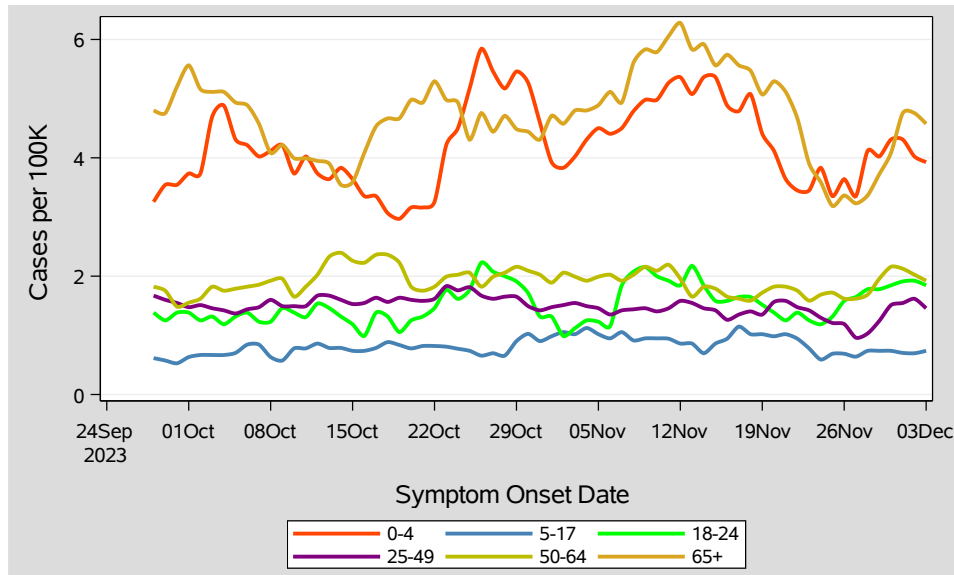


Table 6: 7-Day Average of Daily New Cases per 100K, by Age Group (Years)

Date	0-4	5-17	18-24	25-49	50-64	65+
Nov 17	4.8	1.1	1.6	1.4	1.6	5.6
Nov 18	5.1	1.0	1.6	1.4	1.6	5.5
Nov 19	4.4	1.0	1.5	1.4	1.7	5.1
Nov 20	4.1	1.0	1.4	1.6	1.8	5.3
Nov 21	3.6	1.0	1.3	1.6	1.8	5.1
Nov 22	3.4	0.9	1.4	1.5	1.8	4.7
Nov 23	3.4	0.8	1.3	1.4	1.6	3.9
Nov 24	3.8	0.6	1.2	1.3	1.7	3.6
Nov 25	3.4	0.7	1.3	1.2	1.7	3.2
Nov 26	3.6	0.7	1.6	1.2	1.6	3.4
Nov 27	3.4	0.6	1.6	1.0	1.6	3.2
Nov 28	4.1	0.7	1.8	1.0	1.7	3.4
Nov 29	4.0	0.7	1.8	1.2	2.0	3.7
Nov 30	4.3	0.7	1.8	1.5	2.2	4.1
Dec 01	4.3	0.7	1.9	1.5	2.1	4.8
Dec 02	4.0	0.7	1.9	1.6	2.0	4.8
Dec 03	3.9	0.7	1.8	1.5	1.9	4.6

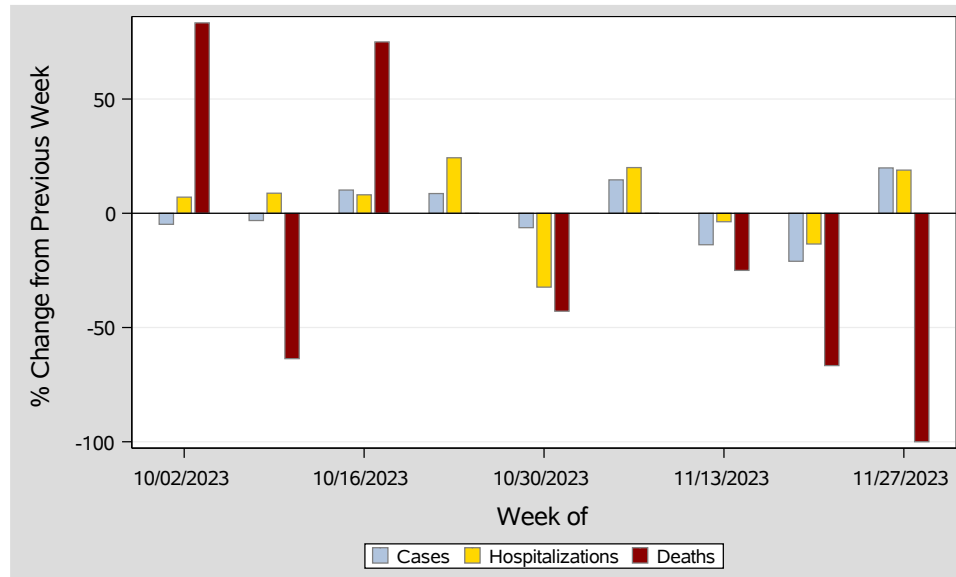


Table 7: Percent Change in Weekly Totals from Previous Week

Week	Case(n)	Cases(%)	Hosp(n)	Hosp(%)	Deaths(n)	Deaths(%)
Oct 02 - Oct 08	315	-4.8	91	7.1	11	83.3
Oct 09 - Oct 15	305	-3.2	99	8.8	4	-63.6
Oct 16 - Oct 22	336	10.2	107	8.1	7	75.0
Oct 23 - Oct 29	365	8.6	133	24.3	7	0.0
Oct 30 - Nov 05	342	-6.3	90	-32.3	4	-42.9
Nov 06 - Nov 12	392	14.6	108	20.0	4	0.0
Nov 13 - Nov 19	338	-13.8	104	-3.7	3	-25.0
Nov 20 - Nov 26	267	-21.0	90	-13.5	1	-66.7
Nov 27 - Dec 03	320	19.9	107	18.9	0	-100

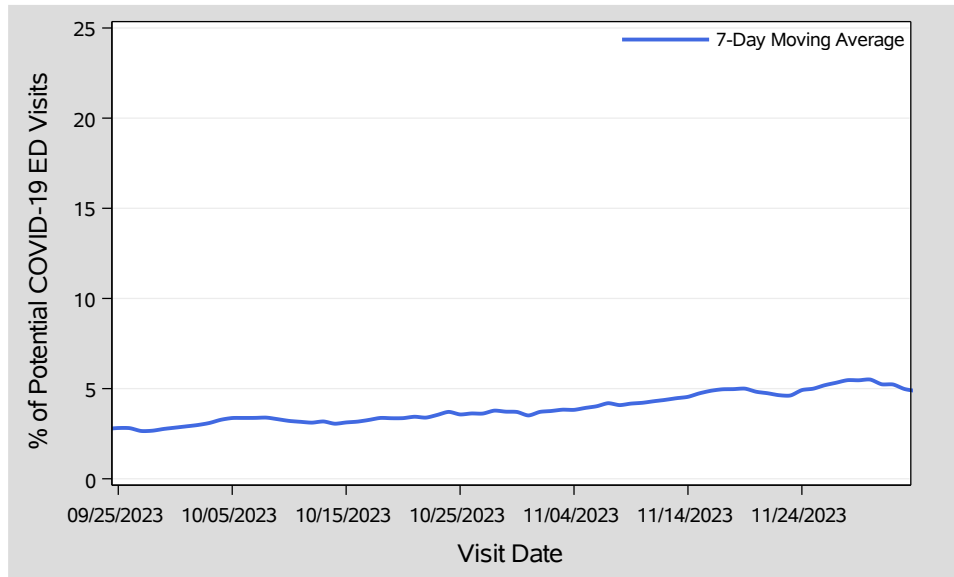


Table 8: Syndromic Surveillance: Percent of ED Visits Potentially Related to COVID-19

Visit Date	Possible COVID Visits	Total ED Visits	(%)	7-Day Average (%)
Nov 17	147	3,196	4.6	5.0
Nov 18	141	2,844	5.0	5.0
Nov 19	138	2,778	5.0	5.0
Nov 20	129	3,249	4.0	4.8
Nov 21	136	3,108	4.4	4.7
Nov 22	132	3,041	4.3	4.6
Nov 23	131	2,550	5.1	4.6
Nov 24	165	2,472	6.7	4.9
Nov 25	121	2,195	5.5	5.0
Nov 26	151	2,395	6.3	5.2
Nov 27	156	3,160	4.9	5.3
Nov 28	169	3,146	5.4	5.5
Nov 29	139	3,230	4.3	5.5
Nov 30	171	3,158	5.4	5.5
Dec 01	159	3,277	4.9	5.2
Dec 02	158	2,912	5.4	5.2
Dec 03	92	2,020	4.6	5.0

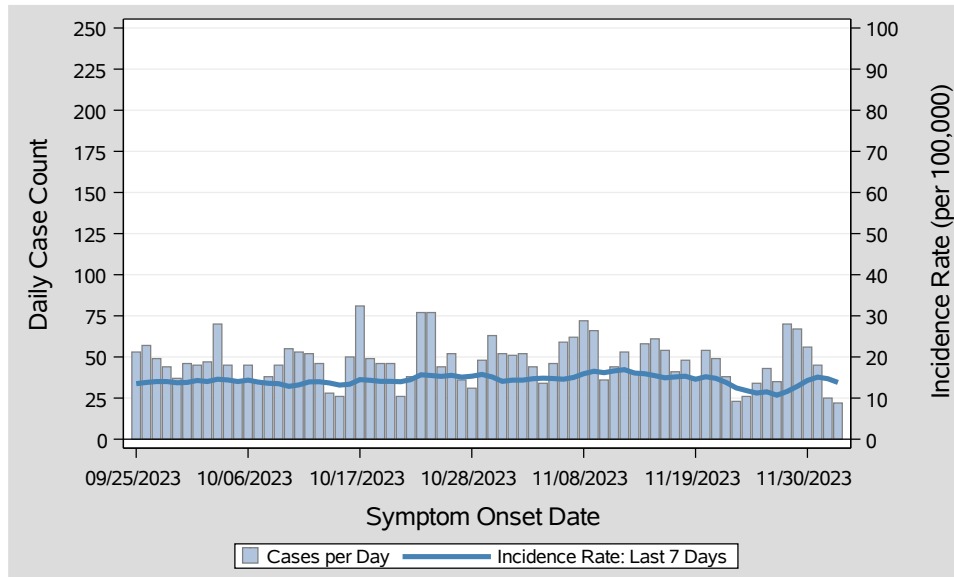


Table 9: COVID-19 Cases per Day and Incidence Rate in the Last 7 Days, Clark County, NV

Onset Date	Cases Per Day	Last 7 Days	
		Total Case Count	Incidence Rate
Nov 17	41	351	15.1
Nov 18	48	355	15.3
Nov 19	36	338	14.6
Nov 20	54	352	15.2
Nov 21	49	343	14.8
Nov 22	38	320	13.8
Nov 23	23	289	12.5
Nov 24	26	274	11.8
Nov 25	34	260	11.2
Nov 26	43	267	11.5
Nov 27	35	248	10.7
Nov 28	70	269	11.6
Nov 29	67	298	12.9
Nov 30	56	331	14.3
Dec 01	45	350	15.1
Dec 02	25	341	14.7
Dec 03	22	320	13.8

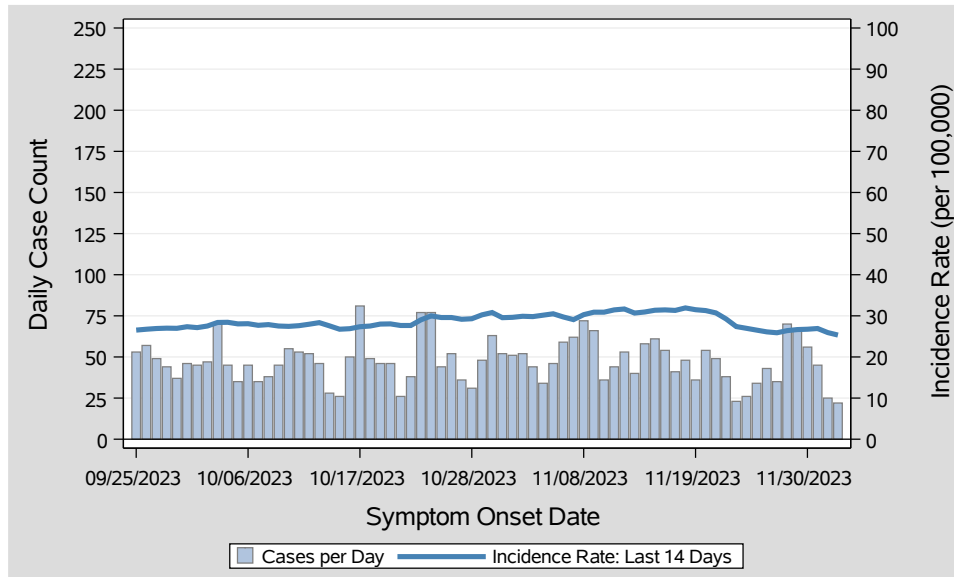


Table 10: COVID-19 Cases per Day and Incidence Rate in the Last 14 Days, Clark County, NV

Onset Date	Cases Per Day	Last 14 Days	
		Total Case Count	Incidence Rate
Nov 17	41	726	31.3
Nov 18	48	740	31.9
Nov 19	36	730	31.5
Nov 20	54	725	31.3
Nov 21	49	712	30.7
Nov 22	38	678	29.2
Nov 23	23	635	27.4
Nov 24	26	625	27.0
Nov 25	34	615	26.5
Nov 26	43	605	26.1
Nov 27	35	600	25.9
Nov 28	70	612	26.4
Nov 29	67	618	26.7
Nov 30	56	620	26.7
Dec 01	45	624	26.9
Dec 02	25	601	25.9
Dec 03	22	587	25.3