



COVID-19 Trends, Clark County, NV

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Document creation date: June 21, 2020

Technical Notes

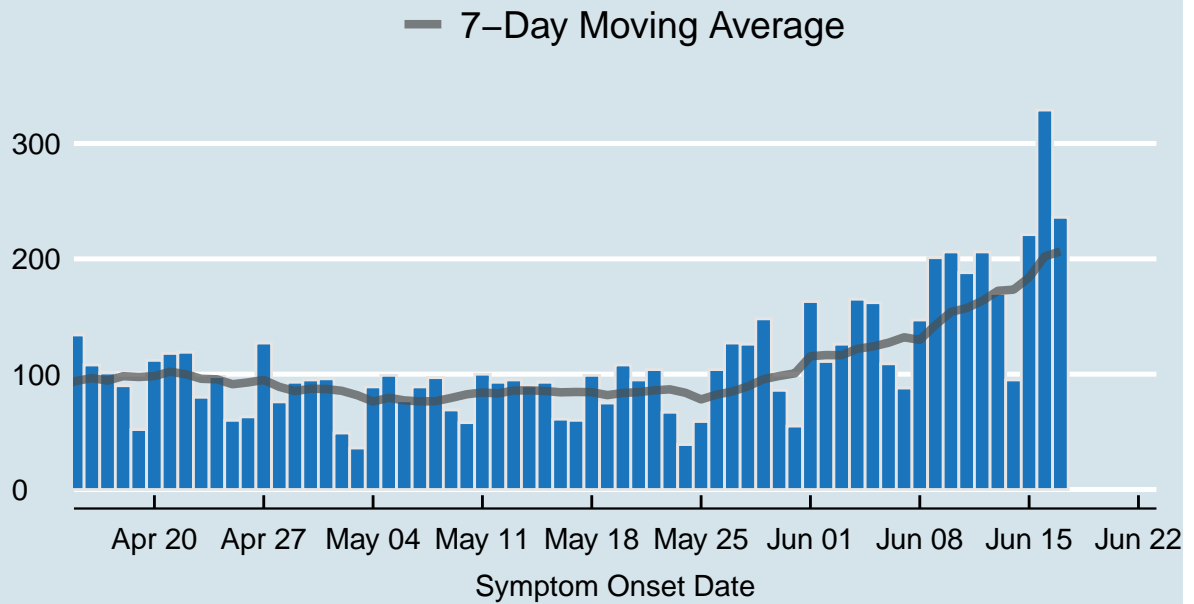
- General notes: This report uses surveillance data collected by the Southern Nevada Health District. Due to delays related to laboratory processing, reporting, and case investigations, data from the most recent days are less complete than data from older time points. For this reason, as of June 10, 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 June 21 at 12:00 AM, and data is reported up through June 17, 2020.
- 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 TriSano, SNHD's surveillance system).
- Hospitalizations: Admission date was used for aggregating hospitalizations. If admission date was missing, report date was substituted. If a person had more than one hospitalization after his/her COVID-19 diagnosis, only the first admission date was used.
- Deaths: Date of death was used for aggregating deaths. If date of death was missing, report date was used.
- 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 every day of that week's data 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 Viral Tests Who Have Positive Results” graph, one person who has multiple specimens collected in one day is only reported once. If any of that person’s tests are positive, that person counts as a positive result. If all of that individual’s tests 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 tests were excluded.
- For the “Percent of Total COVID-19 Viral 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 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.

COVID-19 Cases

Clark County, NV



Data source: SNHD Office of Epidemiology and Disease Surveillance

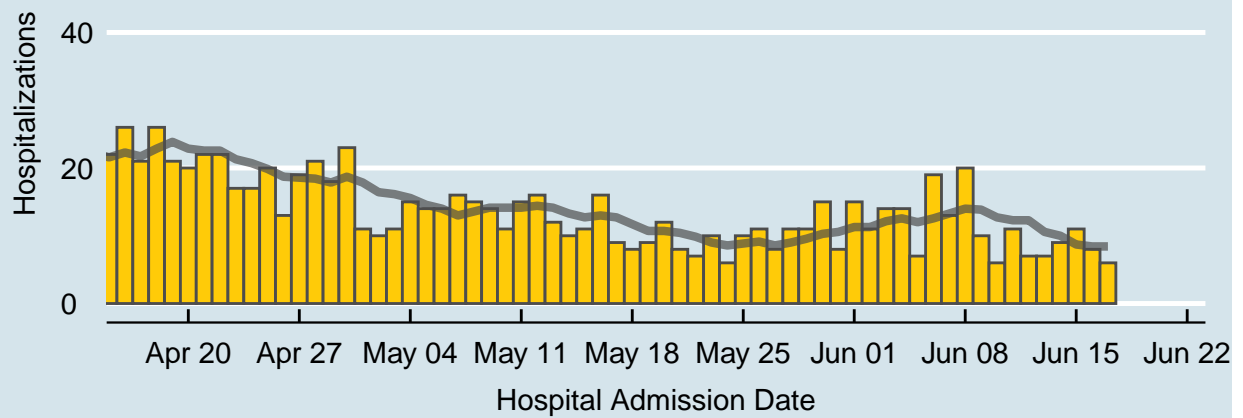
Table 1: COVID-19 Cases per Day, Clark County, NV

Date	Cases per Day	7-Day Moving Average
Jun 04	165	122.0
Jun 05	162	124.0
Jun 06	109	127.3
Jun 07	88	132.0
Jun 08	147	129.7
Jun 09	201	142.6
Jun 10	206	154.0
Jun 11	188	157.3
Jun 12	206	163.6
Jun 13	170	172.3
Jun 14	95	173.3
Jun 15	221	183.9
Jun 16	329	202.1
Jun 17	236	206.4

COVID-19 Hospitalizations

Clark County, NV

— 7-Day Moving Average



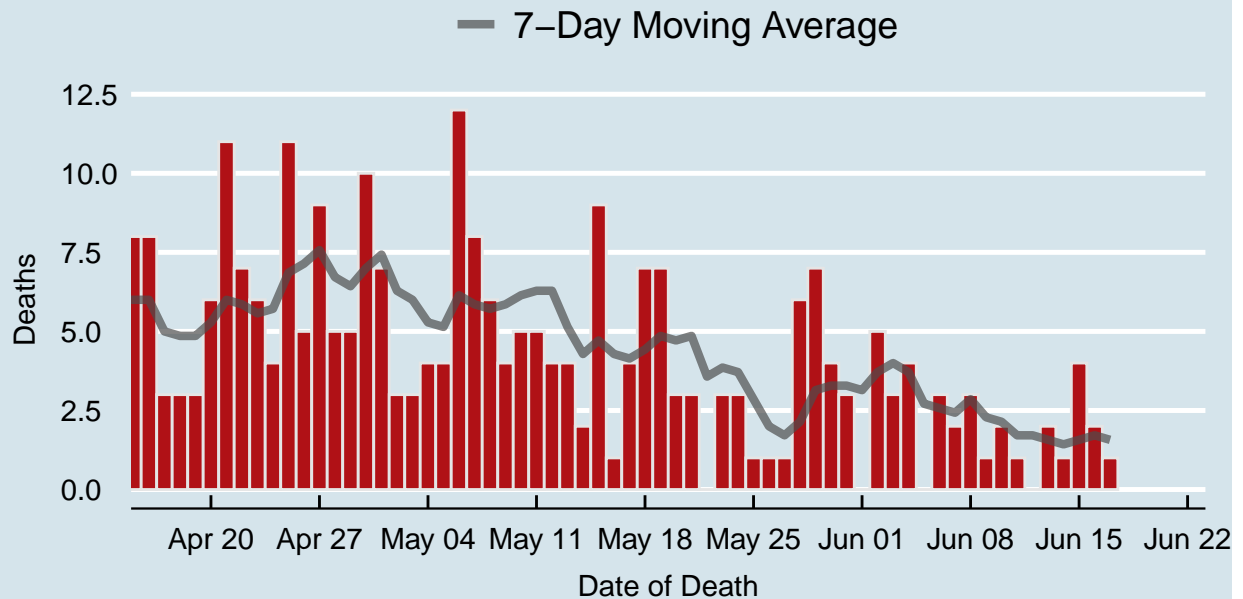
Data source: SNHD Office of Epidemiology and Disease Surveillance

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

Date	Hospitalizations per Day	7-Day Moving Average
Jun 04	14	12.6
Jun 05	7	12.0
Jun 06	19	12.6
Jun 07	13	13.3
Jun 08	20	14.0
Jun 09	10	13.9
Jun 10	6	12.7
Jun 11	11	12.3
Jun 12	7	12.3
Jun 13	7	10.6
Jun 14	9	10.0
Jun 15	11	8.7
Jun 16	8	8.4
Jun 17	6	8.4

COVID-19 Deaths

Clark County, NV



Data source: SNHD Office of Epidemiology and Disease Surveillance

Table 3: COVID-19 Deaths per Day, Clark County, NV

Date	Deaths per Day	7-Day Moving Average
Jun 04	4	3.7
Jun 05	0	2.7
Jun 06	3	2.6
Jun 07	2	2.4
Jun 08	3	2.9
Jun 09	1	2.3
Jun 10	2	2.1
Jun 11	1	1.7
Jun 12	0	1.7
Jun 13	2	1.6
Jun 14	1	1.4
Jun 15	4	1.6
Jun 16	2	1.7
Jun 17	1	1.6

Percent Change in Weekly Totals from Previous Week

Clark County, NV

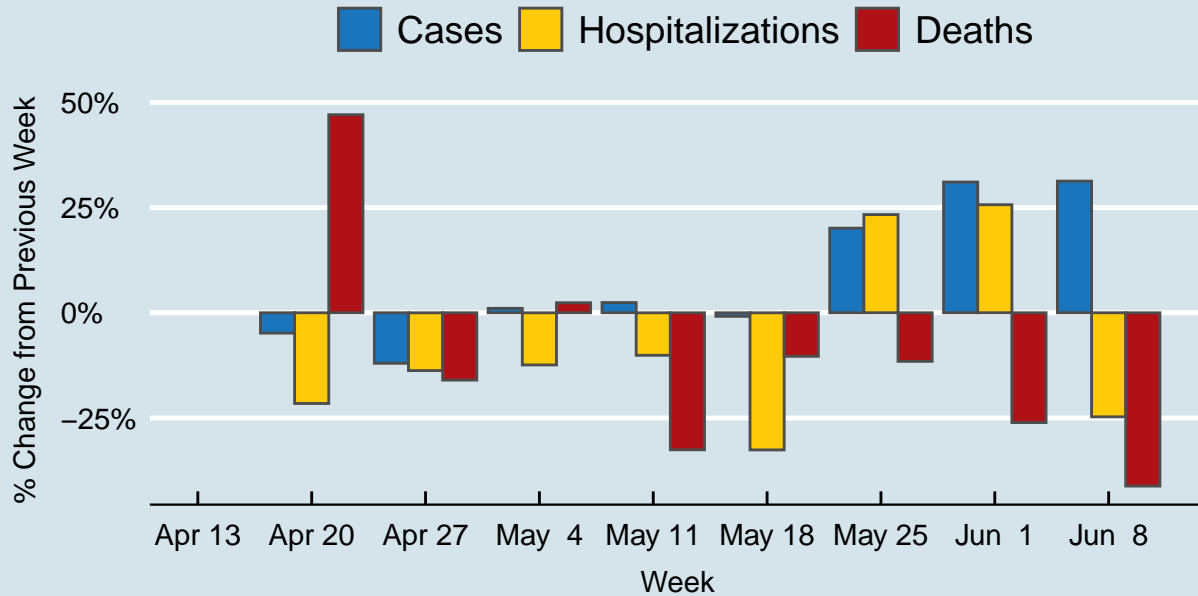


Table 4: Percent Change in Weekly Totals from Previous Week

Week	Cases (n)	Cases (%)	Hosp (n)	Hosp (%)	Deaths (n)	Deaths (%)
Apr 20 - Apr 26	650	-4.83	131	-22	50	47.1
Apr 27 - May 3	572	-12.00	113	-14	42	-16.0
May 4 - May 10	578	1.05	99	-12	43	2.4
May 11 - May 17	592	2.42	89	-10	29	-32.6
May 18 - May 24	587	-0.84	60	-33	26	-10.3
May 25 - May 31	705	20.10	74	23	23	-11.5
Jun 1 - Jun 7	924	31.06	93	26	17	-26.1
Jun 8 - Jun 14	1,213	31.28	70	-25	10	-41.2

Percent of People Receiving COVID-19 Viral Tests Who Have Positive Results

Clark County, NV

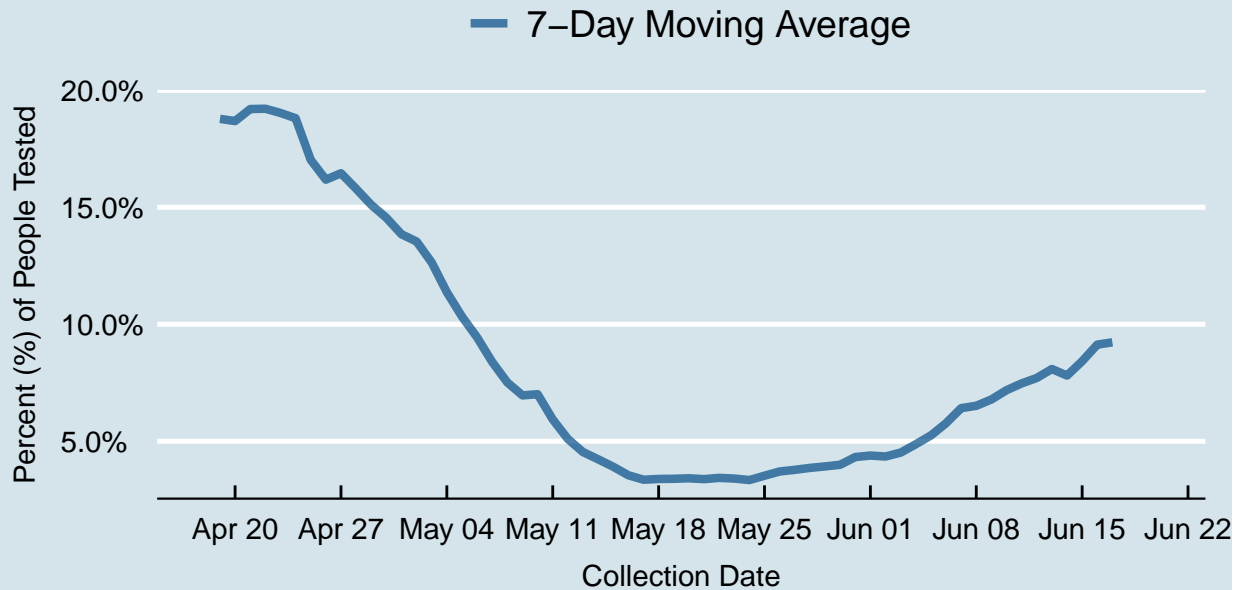
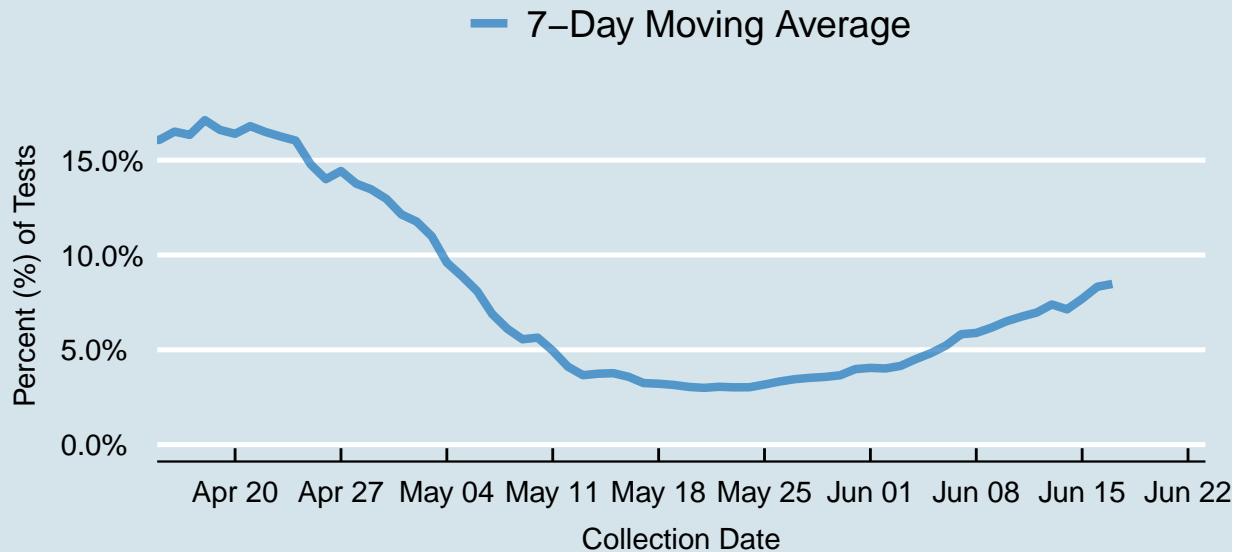


Table 5: Percent of People Receiving COVID-19 Viral Tests Who Have Positive Results

Collection Date	Positive	Negative	Equivocal/Unknown	Total	Positive (%)	7-Day Average (%)
Jun 04	207	3,300	1	3,508	5.9	4.9
Jun 05	237	3,728	4	3,969	6.0	5.2
Jun 06	143	1,797	1	1,941	7.4	5.8
Jun 07	84	635	0	719	11.7	6.4
Jun 08	213	3,136	1	3,350	6.4	6.5
Jun 09	295	4,959	3	5,257	5.6	6.8
Jun 10	284	3,563	2	3,849	7.4	7.2
Jun 11	292	3,386	1	3,679	7.9	7.5
Jun 12	278	3,376	4	3,658	7.6	7.7
Jun 13	217	1,943	0	2,160	10.1	8.1
Jun 14	105	974	1	1,080	9.7	7.8
Jun 15	312	2,613	2	2,927	10.7	8.4
Jun 16	418	3,534	2	3,954	10.6	9.1
Jun 17	295	3,367	0	3,662	8.1	9.2

Percent of Total COVID-19 Viral Tests With Positive Results

Clark County, NV



Note: One person may have more than one laboratory test result if multiple samples were collected.

Table 6: Percent of Total COVID-19 Viral Tests With Positive Results

Collection Date	Positive	Negative	Equivocal/Unknown	Total	Positive (%)	7-Day Average
Jun 04	210	3,587	1	3,798	5.5	4.5
Jun 05	230	4,163	4	4,397	5.2	4.8
Jun 06	133	1,924	1	2,058	6.5	5.2
Jun 07	89	716	1	806	11.0	5.8
Jun 08	198	3,499	1	3,698	5.3	5.9
Jun 09	285	5,162	3	5,450	5.2	6.2
Jun 10	267	3,731	2	4,000	6.7	6.5
Jun 11	288	3,669	2	3,959	7.3	6.8
Jun 12	273	3,784	5	4,062	6.7	7.0
Jun 13	214	2,053	0	2,267	9.4	7.4
Jun 14	107	1,046	5	1,158	9.2	7.1
Jun 15	308	3,016	3	3,327	9.3	7.7
Jun 16	409	3,822	2	4,233	9.7	8.3
Jun 17	296	3,534	0	3,830	7.7	8.5

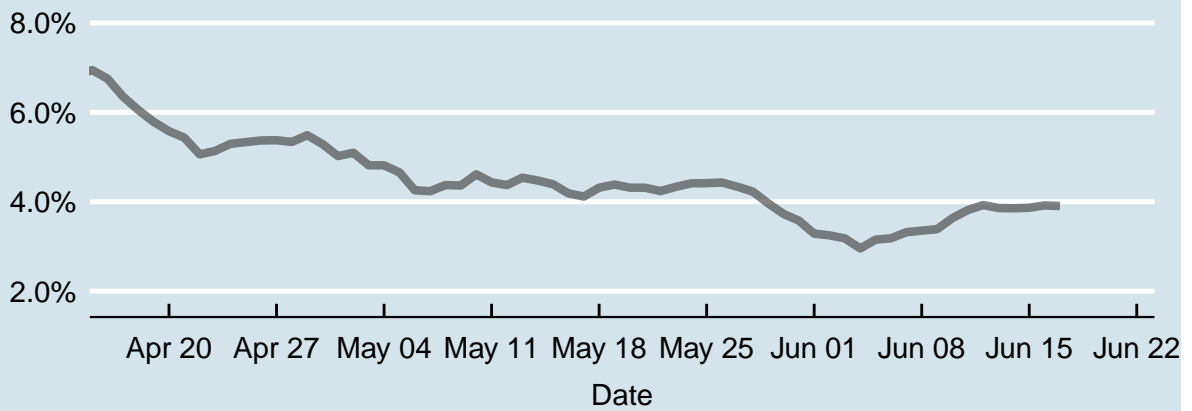
Table 7: COVID-19 Viral Test Totals Since Outbreak Start

Positive	Negative	Equivocal/Unknown	Positive (%)	Total
14,875	217,182	524	6.4	232,581

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

Clark County, NV

— 7-Day Moving Average



Data source: ESSENCE-Nevada



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

Visit Date	Possible COVID Visit	Total ED Visits	(%)	7-Day Average (%)
Jun 04	51	1,991	2.6	3.0
Jun 05	76	2,123	3.6	3.1
Jun 06	62	1,868	3.3	3.2
Jun 07	76	1,794	4.2	3.3
Jun 08	59	2,159	2.7	3.4
Jun 09	85	2,100	4.0	3.4
Jun 10	103	2,077	5.0	3.6
Jun 11	82	2,150	3.8	3.8
Jun 12	91	2,080	4.4	3.9
Jun 13	55	1,929	2.8	3.9
Jun 14	75	1,787	4.2	3.8
Jun 15	63	2,236	2.8	3.9
Jun 16	98	2,220	4.4	3.9
Jun 17	103	2,123	4.8	3.9



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