COVID-19 Trends, Clark County, NV

(FOR OFFICIAL USE ONLY)

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

<table>
<thead>
<tr>
<th>Date</th>
<th>Cases per Day</th>
<th>7-Day Moving Average</th>
</tr>
</thead>
<tbody>
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<td>Jun 04</td>
<td>165</td>
<td>122.0</td>
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<tr>
<td>Jun 05</td>
<td>162</td>
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<td>109</td>
<td>127.3</td>
</tr>
<tr>
<td>Jun 07</td>
<td>88</td>
<td>132.0</td>
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<td>Jun 08</td>
<td>147</td>
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<td>Jun 09</td>
<td>201</td>
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<td>188</td>
<td>157.3</td>
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<td>Jun 12</td>
<td>206</td>
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<td>329</td>
<td>202.1</td>
</tr>
<tr>
<td>Jun 17</td>
<td>236</td>
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COVID–19 Hospitalizations
Clark County, NV

Data source: SNHD Office of Epidemiology and Disease Surveillance

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

<table>
<thead>
<tr>
<th>Date</th>
<th>Hospitalizations per Day</th>
<th>7-Day Moving Average</th>
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Table 3: COVID-19 Deaths per Day, Clark County, NV

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<th>7-Day Moving Average</th>
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<td>Jun 04</td>
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<td>2</td>
<td>1.7</td>
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<tr>
<td>Jun 17</td>
<td>1</td>
<td>1.6</td>
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</table>
Percent Change in Weekly Totals from Previous Week
Clark County, NV

Table 4: Percent Change in Weekly Totals from Previous Week

<table>
<thead>
<tr>
<th>Week</th>
<th>Cases (n)</th>
<th>Cases (%)</th>
<th>Hosp (n)</th>
<th>Hosp (%)</th>
<th>Deaths (n)</th>
<th>Deaths (%)</th>
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</thead>
<tbody>
<tr>
<td>Apr 20 - Apr 26</td>
<td>650</td>
<td>-4.83</td>
<td>131</td>
<td>-22</td>
<td>50</td>
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<tr>
<td>Apr 27 - May 3</td>
<td>572</td>
<td>-12.00</td>
<td>113</td>
<td>-14</td>
<td>42</td>
<td>-16.0</td>
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<td>May 4 - May 10</td>
<td>578</td>
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<td>-12</td>
<td>43</td>
<td>2.4</td>
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<tr>
<td>May 11 - May 17</td>
<td>592</td>
<td>2.42</td>
<td>89</td>
<td>-10</td>
<td>29</td>
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<tr>
<td>May 18 - May 24</td>
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<td>60</td>
<td>-33</td>
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<td>May 25 - May 31</td>
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<td>20.10</td>
<td>74</td>
<td>23</td>
<td>23</td>
<td>-11.5</td>
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<tr>
<td>Jun 1 - Jun 7</td>
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<td>31.06</td>
<td>93</td>
<td>26</td>
<td>17</td>
<td>-26.1</td>
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<td>Jun 8 - Jun 14</td>
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<td>31.28</td>
<td>70</td>
<td>-25</td>
<td>10</td>
<td>-41.2</td>
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</tbody>
</table>
### Percent of People Receiving COVID-19 Viral Tests Who Have Positive Results

Clark County, NV

#### 7-Day Moving Average

<table>
<thead>
<tr>
<th>Collection Date</th>
<th>Positive</th>
<th>Negative</th>
<th>Equivocal/Unknown</th>
<th>Total</th>
<th>Positive (%)</th>
<th>7-Day Average (%)</th>
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<tr>
<td>Jun 04</td>
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<td>3,136</td>
<td>1</td>
<td>3,350</td>
<td>6.4</td>
<td>6.5</td>
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<tr>
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<td>4,959</td>
<td>3</td>
<td>5,257</td>
<td>5.6</td>
<td>6.8</td>
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<tr>
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<td>3,679</td>
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<td>7.5</td>
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<td>3,658</td>
<td>7.6</td>
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<td>1,080</td>
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<tr>
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<td>3,954</td>
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<td>9.1</td>
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<td>0</td>
<td>3,662</td>
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<td>9.2</td>
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Table 6: Percent of Total COVID-19 Viral Tests With Positive Results

<table>
<thead>
<tr>
<th>Collection Date</th>
<th>Positive</th>
<th>Negative</th>
<th>Equivocal/Unknown</th>
<th>Total</th>
<th>Positive (%)</th>
<th>7-Day Average</th>
</tr>
</thead>
<tbody>
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<td>Jun 04</td>
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<td>4.5</td>
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<td>Jun 05</td>
<td>230</td>
<td>4,163</td>
<td>4</td>
<td>4,397</td>
<td>5.2</td>
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<tr>
<td>Jun 06</td>
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<td>1,924</td>
<td>1</td>
<td>2,058</td>
<td>6.5</td>
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<td>89</td>
<td>716</td>
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<td>806</td>
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<td>5.9</td>
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<td>5,450</td>
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<td>6.2</td>
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<td>4,000</td>
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<td>6.5</td>
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<td>6.8</td>
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Table 7: COVID-19 Viral Test Totals Since Outbreak Start

<table>
<thead>
<tr>
<th>Positive</th>
<th>Negative</th>
<th>Equivocal/Unknown</th>
<th>Positive (%)</th>
<th>Total</th>
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</thead>
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<tr>
<td>14,875</td>
<td>217,182</td>
<td>524</td>
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<td>232,581</td>
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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

<table>
<thead>
<tr>
<th>Visit Date</th>
<th>Possible COVID Visit</th>
<th>Total ED Visits</th>
<th>(%)</th>
<th>7-Day Average (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jun 04</td>
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<td>1,991</td>
<td>2.6</td>
<td>3.0</td>
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<tr>
<td>Jun 05</td>
<td>76</td>
<td>2,123</td>
<td>3.6</td>
<td>3.1</td>
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<td>Jun 06</td>
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<td>1,868</td>
<td>3.3</td>
<td>3.2</td>
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<td>Jun 07</td>
<td>76</td>
<td>1,794</td>
<td>4.2</td>
<td>3.3</td>
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<td>Jun 08</td>
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<td>Jun 09</td>
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<td>Jun 10</td>
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<tr>
<td>Jun 17</td>
<td>103</td>
<td>2,123</td>
<td>4.8</td>
<td>3.9</td>
</tr>
</tbody>
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Report prepared by: Vit Kraushaar, MD, MPH, Kellie Watkins, PhD, MS, Kathryn Barker, MPH (Office of Epidemiology and Disease Surveillance) and Lei Zhang, MS (Office of Informatics)