



COVID-19 Surveillance Summary

Lyon County

May 23 – June 5, 2021

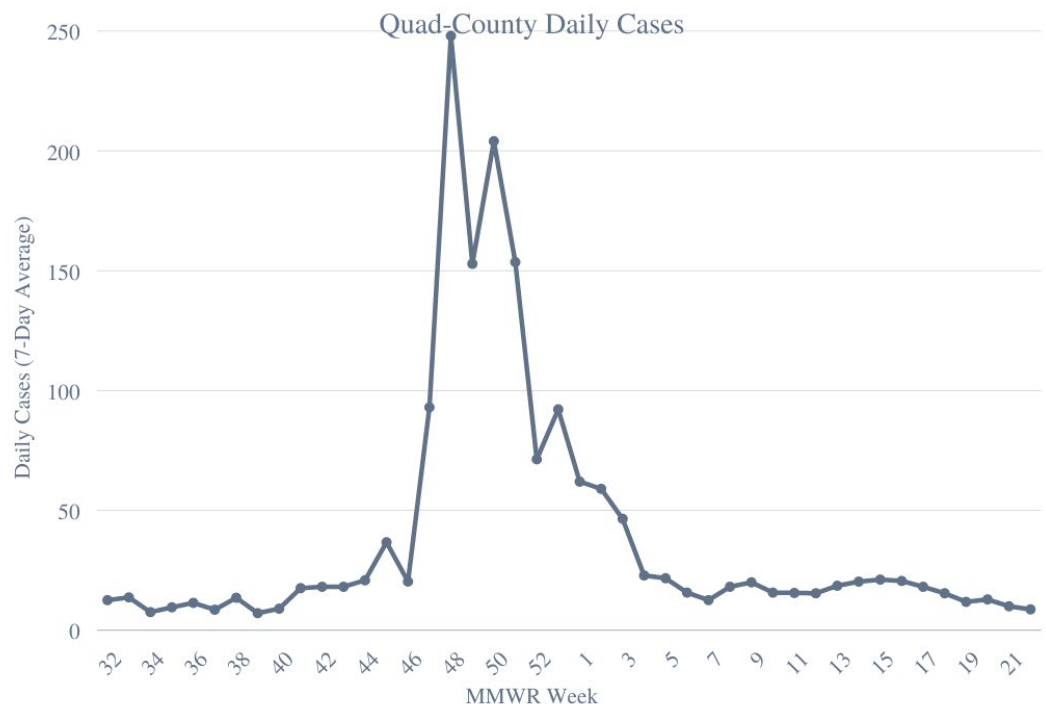
Contact Tracing and Disease Investigation Update

From May 23 – June 5, 2021, the Carson City Health and Human Services COVID-19 Disease Investigation Team was able to attempt contact with ninety-one percent of cases and successfully contact eighty-six percent within twenty-four hours. The Investigation Team continued utilizing the more expanded investigation to collect information such as symptomology, medical history, and refocused exposure questions. As always, the information reported here is based on preliminary laboratory findings and completed survey investigations and does not necessarily represent all cases during this two-week period.

CCHHS continues to partner with the Nevada Resilience Project, who reaches out to cases, close contacts, and other members of the community impacted by COVID-19 that were identified as having challenges associated with the pandemic including, but not limited to, managing work or school, social isolation, mental health, and resource navigation. During this two-week period, the Resilience Ambassadors identified five individuals, families, or organizational groups that could benefit from their services and have done several community events.

Quad-County Area Demographics

Across the Quad-County area (Carson City, Douglas, Lyon, and Storey Counties), there were 131 new COVID-19 cases in the two-week period from May 23 – June 5, 2021. This a twelve percent decrease from the previously reported two-week period. The daily cases reported, based on a seven-day average, over this two-week period was nine (Graph 1). This indicates that, on average, there have been nine new cases each day throughout the Quad-County area.



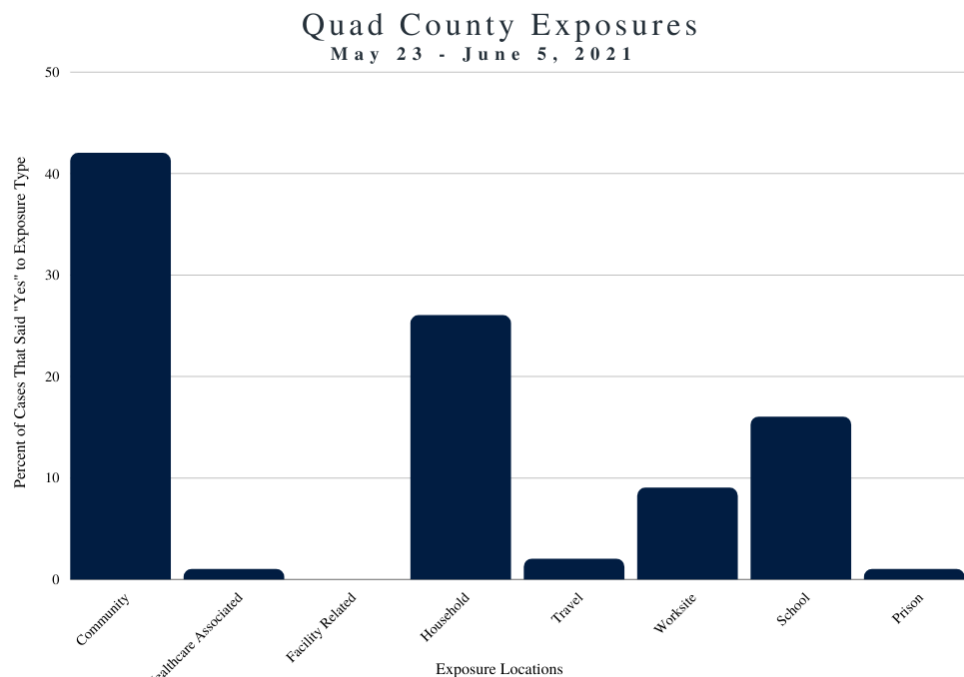
Graph 1: 7-day Average per Week

Oftentimes lab reports are received with incomplete data and our survey data is on a delay. As such, the following demographic data has a significant percentage of unknown or missing information. The average age across all counties was thirty-nine years old with a range of one years old to

eighty-five years old. Forty-five percent of cases were female, and fifty-five percent were male. Of the cases that reported their race, eighty-one percent were reported as White, fourteen percent of cases were reported as other, one percent reported American Indian or Alaskan Native, one percent reported African American or Black, one percent reported as Asian, and one percent preferred not to answer. Of those who reported their ethnicity, seventy-seven percent reported as Non-Hispanic or Latino/a, twenty-one percent reported as Hispanic or Latino/a, and two percent preferred not to answer. There were five known hospitalizations across all counties during this two-week period. There was thirty-eight percent increase from the previous two-week period. According to the Nevada Hospital Association report on June 2, 2021, hospitalizations continue to decline in Northern Nevada. Ventilator use as well as ICU occupancy continues to remain low. There was a no percent increase from the previous week. There were no COVID-19 deaths across the four counties. Morbidity data is often delayed, so this number only represents the data that has been made available for this two-week period.

Quad-County Area Exposure

Among cases with complete information, the most common, known COVID-19 exposures were community and household (Graph 2). Cases can have more than one exposure. The information on the graph and below indicates the percentage of cases that said “yes” to each question, independently. Approximately forty-two percent of cases had related community exposure. This can be family gatherings, weddings, funerals, birthday parties, political events, or any other similar activity.



Graph 2: Case Exposures

Community exposure, as defined by the state, also refers to individuals that did not know where they were exposed. Twenty-six percent of cases had household exposure, indicating that the transmission occurred within the immediate household.

Quad-County Area Schools

Carson City, Douglas County, and Lyon County school districts are using the Abbott BinaxNOW, a rapid antigen test that detects a specific viral antigen for the virus that causes COVID-19. In alignment with the CDC guidance, schools are utilizing the BinaxNOW for faculty and students to quickly isolate positive individuals and end quarantine for close contacts after seven days. School cases represented in this report are PCR, molecular positive cases, and the Abbott BinaxNOW test.

There were eleven student case investigations completed from May 23 – June 5, 2021, a fifteen percent increase from the previous two-week period. Of these student cases, forty-six percent attended school during their infectious period. There were also four school faculty cases who attended school while infectious. Our school biostatistician works closely with schools to help with contact tracing, case surveillance, and the implementation of mitigation strategies.

COVID-19 Variants of Concern

The Nevada State Public Health Laboratory (NSPHL) conducts genome sequencing from a sample of confirmed COVID-19 cases as part of disease surveillance which helps identify new and emerging variants. The emergence of new variants is a natural occurrence in infectious diseases. According to the CDC, there are currently five COVID-19 variants of concern across the United States. Knowledge of emerging SARS-CoV-2 variants is quickly evolving, however there is evidence indicating that these variants are more transmissible. According to the NSPHL, B.1.1.7, also known as the United Kingdom (U.K.) variant, is the most prevalent SARS-CoV-2 variant among all the samples sequences in Nevada. The Quad-County reported four B.1.1.7 variant case from May 23 – June 5, 2021. Data is often delayed due to the sequencing processes. Additionally, sequencing is conducted using only samples submitted to the NSPHL, which may not always include commercial laboratory samples and does not include Abbott BinaxNOW tests.

Lyon County Surveillance Summary

From May 23 – June 5, 2021, there were forty-one confirmed cases reported in Lyon County. This represents approximately twenty-one percent of all Quad-County cases during this two-week period. This is a thirty-one percent decrease from the previous two-week period. The daily cases reported, based on a seven-day average, over this two-week period was three. This indicates that, on average, there have been three new cases each day throughout Lyon County. Thirty-four percent of cases were female, and sixty-six percent were male. The average age of Lyon County cases was thirty-nine years old.

Lyon County Schools

There were six student case investigation completed from May 23 – June 5, 2021. Of these student cases, seventeen percent attended school during their infectious period. There were no school faculty members that tested positive for COVID-19 or attended school while infectious.

Lyon County Exposure

Of those with known exposures, forty-one percent were exposed in the community. Twenty-four percent of cases were exposed to someone in their household that had tested positive for COVID-19. The graph shows more information on Lyon County exposures (Graph 3). Just as above, exposure questions are independent, meaning an individual can answer “yes” to more than one exposure type.

CCHHS’s COVID-19

Epidemiologist is working closely with the state and the facilities to track the transmission and ensure mitigation efforts are in place. Transmission trends are challenging to track or predict.

