



## COVID-19 Surveillance Summary

### Carson City

May 9 – May 22, 2021

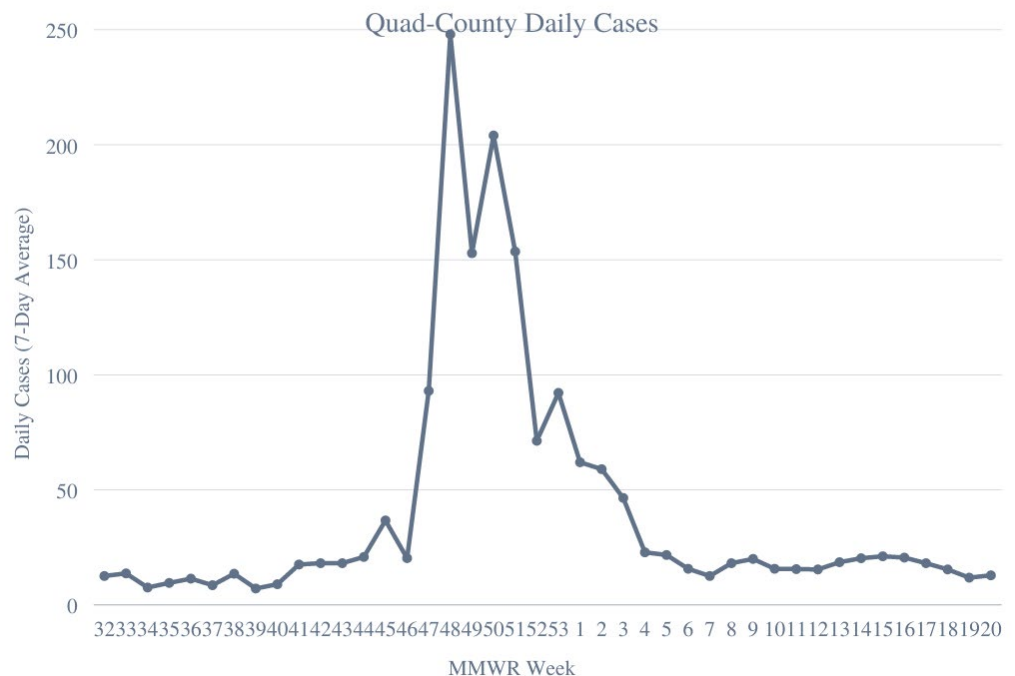
#### Contact Tracing and Disease Investigation Update

From May 9 – May 22, 2021, the Carson City Health and Human Services COVID-19 Disease Investigation Team was able to attempt contact with ninety-six percent of cases and successfully contact eighty-five 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 four 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 163 new COVID-19 cases in the two-week period from May 9 – May 22, 2021. This a fifteen 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 eleven (Graph 1). This indicates that, on average, there have been eleven new cases each day throughout the Quad-County area.



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 forty-two years old with a range of one years old to ninety years old. Fifty-two percent of cases were female, and forty-eight percent were male. Of the cases that reported their race, eighty-five percent were reported as White,

eleven percent of cases were reported as other, less than one percent reported American Indian or Alaskan Native, less than one percent reported Native Hawaiian or other Pacific Islander, and two percent reported as Asian. Of those who reported their ethnicity, eighty percent reported as Non-Hispanic or Latino/a, eighteen percent reported as Hispanic or Latino/a, and two percent preferred not to answer. There were seven known hospitalizations across all counties during this two-week period. There was three percent increase from the previous two-week period. According to the Nevada Hospital Association report on May 19, 2021, hospitalizations have remained stable 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, household, and worksite (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.

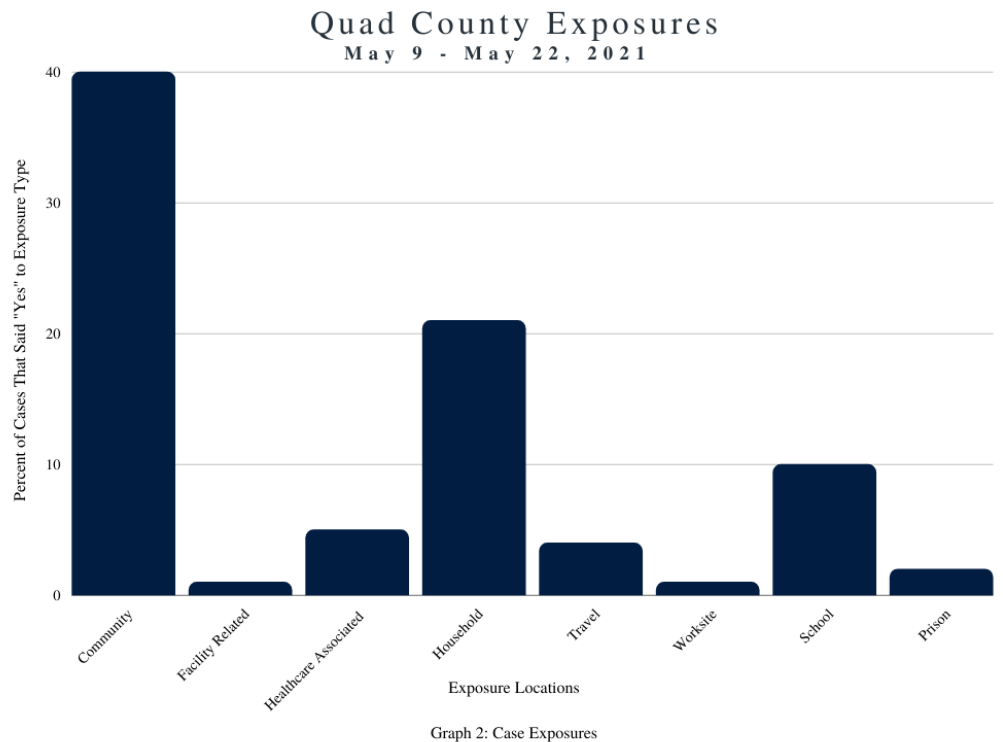
Approximately forty percent of cases had related community exposure. This can be family gatherings, weddings, funerals, birthday parties, political events, or any other similar activity.

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

**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 ten student case investigations completed from May 9 – May 22, 2021, a thirty-three percent decrease from the previous two-week period. Of these student cases, eighty percent attended school during their infectious period. There was also three school faculty case 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 one B.1.1.7 variant case from May 9 – May 22, 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.

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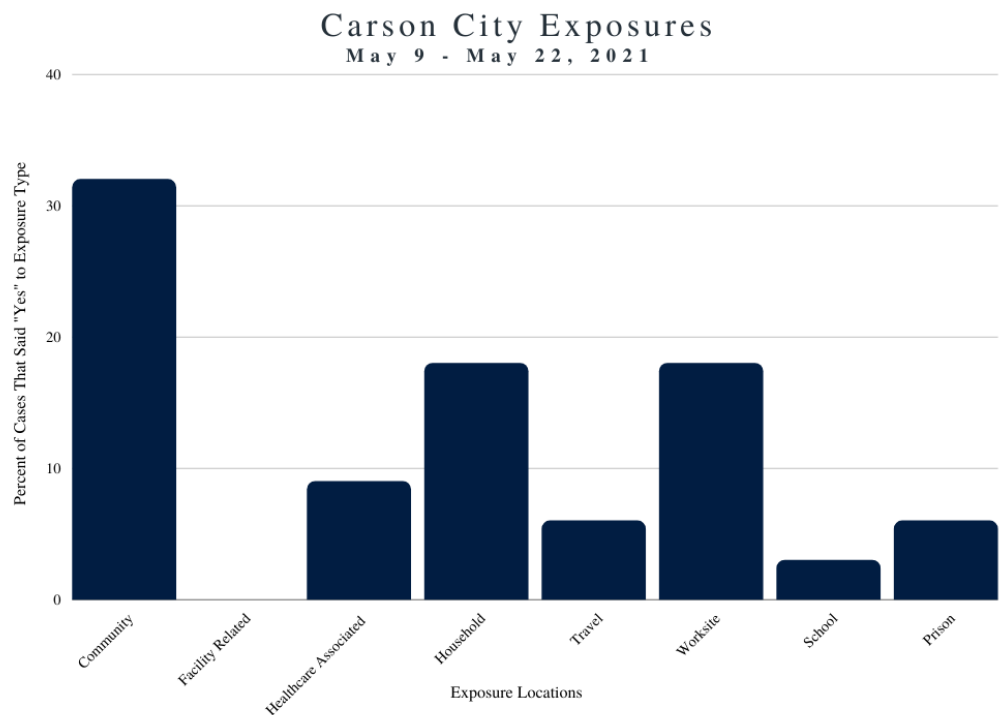
From May 9 – May 22, 2021, there were forty-four confirmed cases reported in Carson City. This represents approximately thirty percent of all Quad-County cases during this two-week period and is a twenty-seven percent decrease from the previous two-week period. The daily cases reported, based on a seven-day average, over this two-week period was three. This indicates that, on average, there have been three new cases each day throughout Carson City. Fifty percent of cases were female, and fifty percent were male. The average age of Carson City cases was forty-one years old.

## Carson City Schools

There was one student case investigation completed from May 9 – May 22, 2021. This student case did not attend school during their infectious period. There were no school faculty members that tested positive for COVID-19 or attended school while infectious.

## Carson City Exposure

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



Graph 3: Case Exposures

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.