



Marion County
OREGON
Health & Human Services

COVID-19 Data & Trends

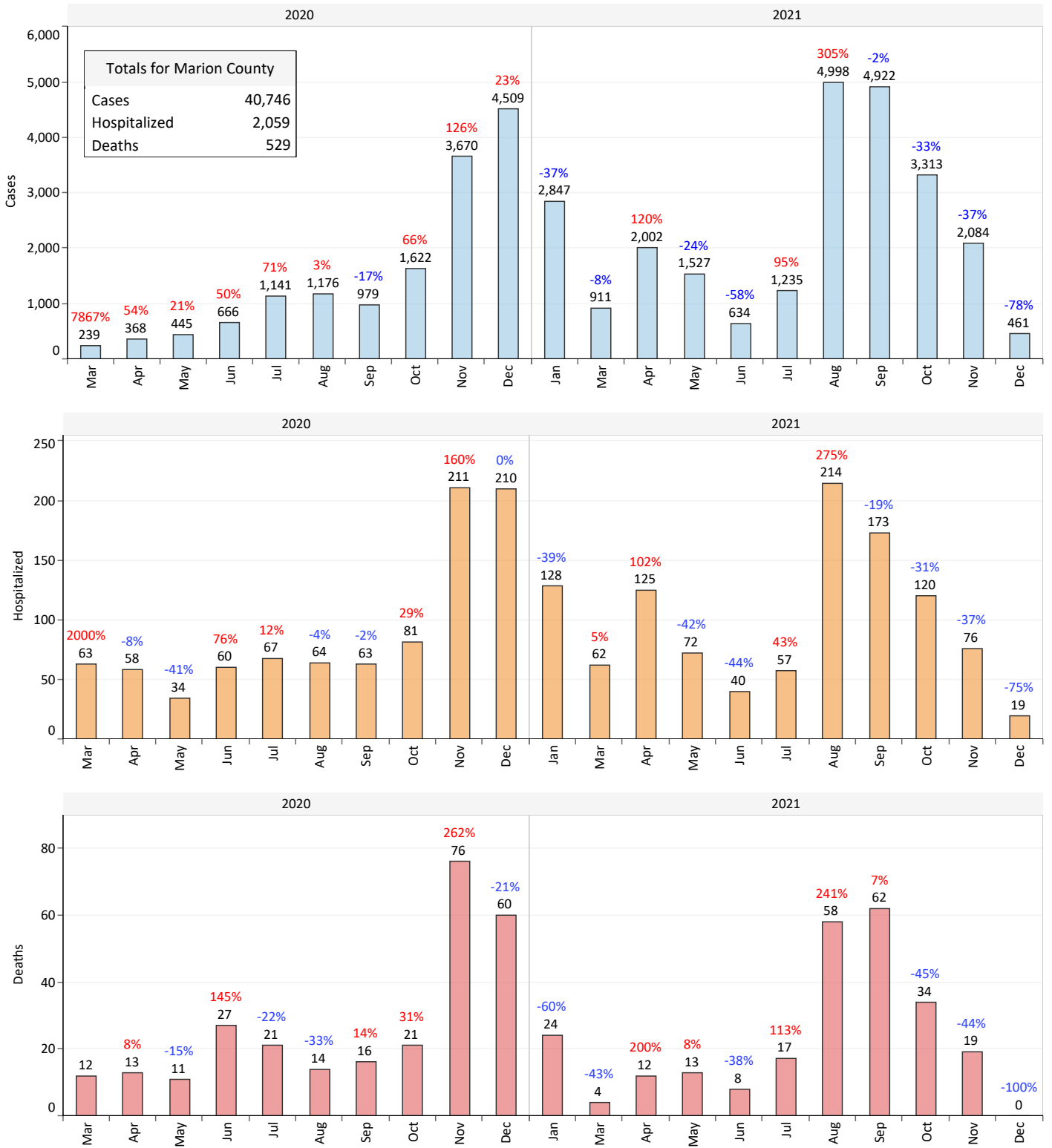
December 14, 2021

Table of Contents

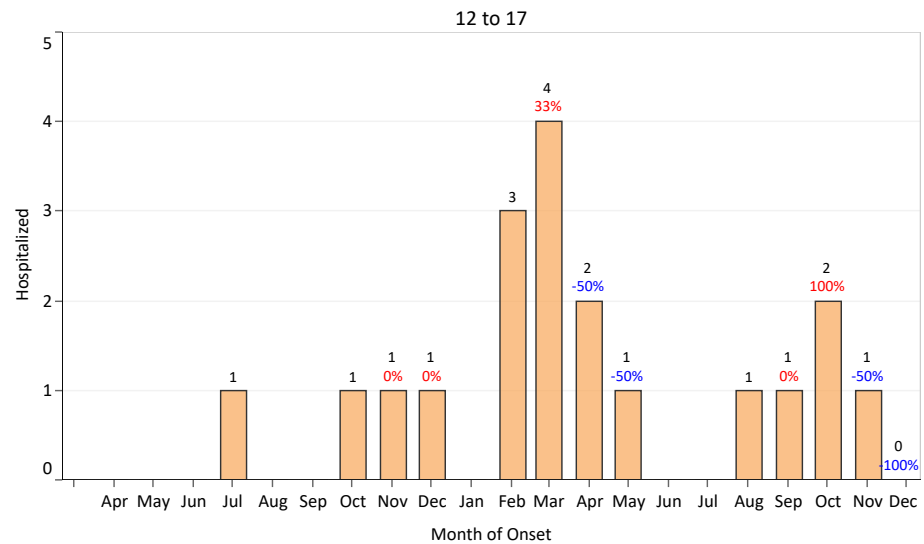
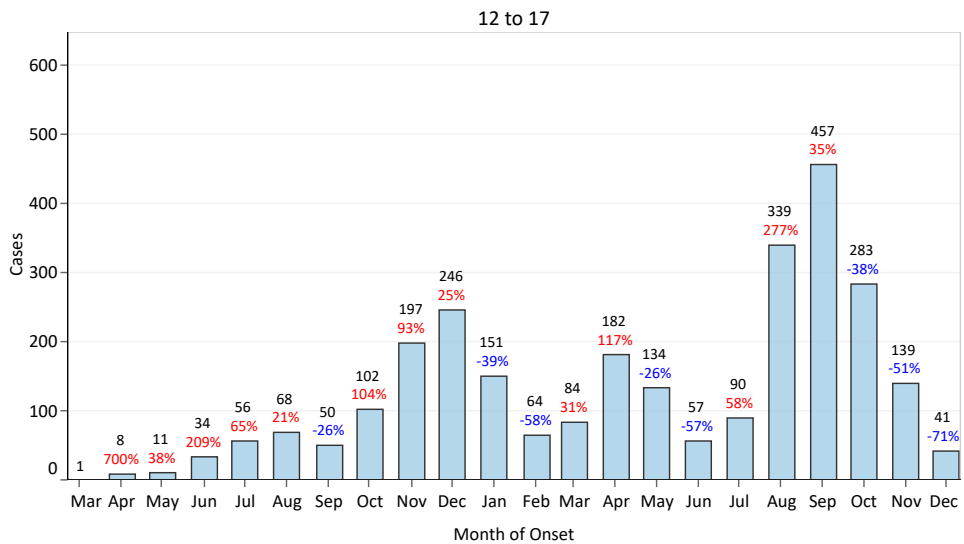
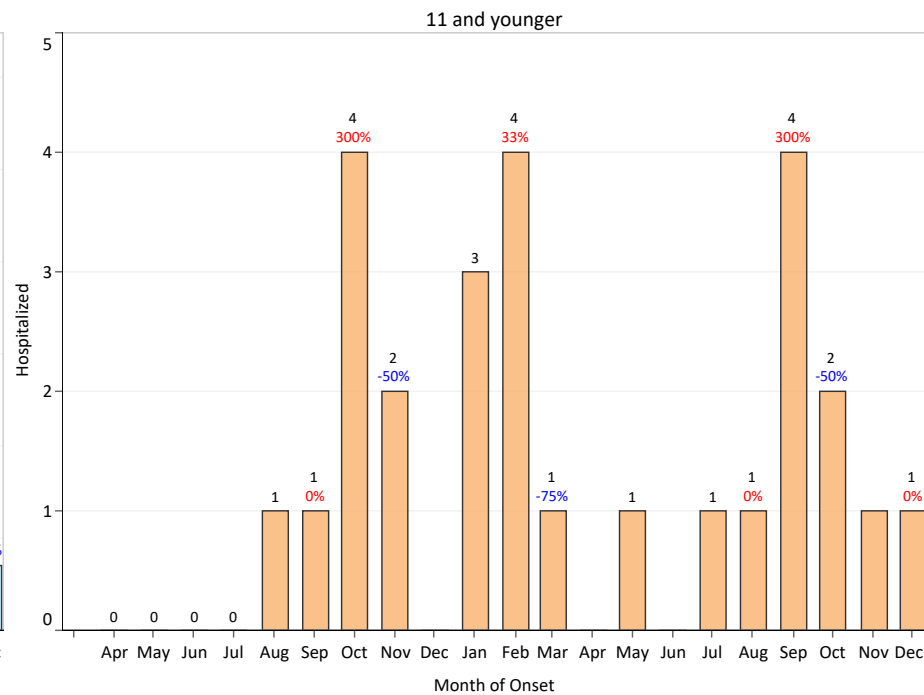
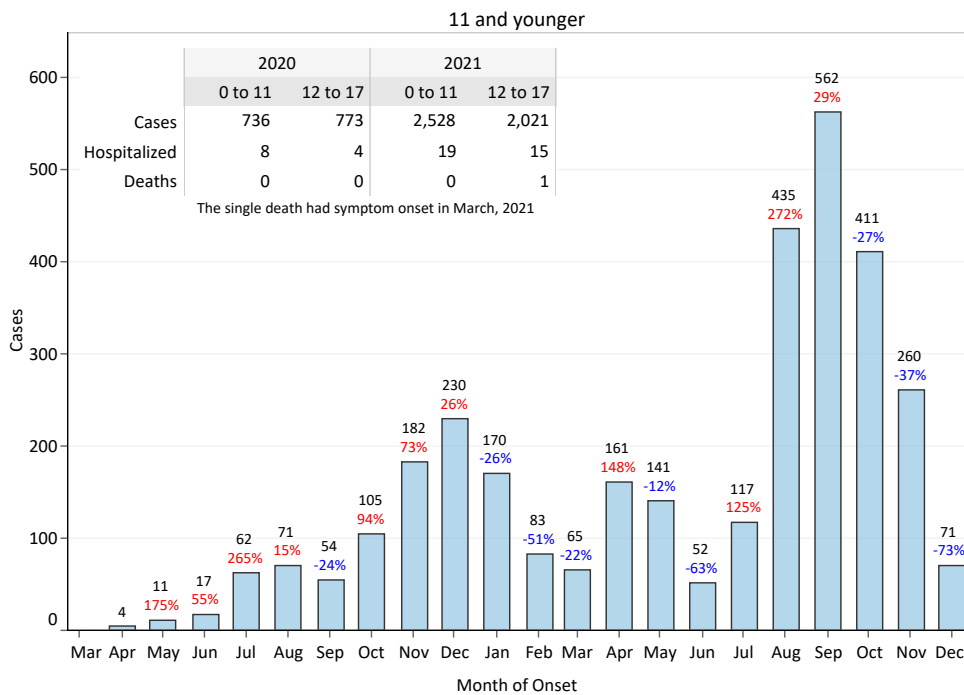
1. Infections, Hospitalizations & Deaths - Monthly Summary
2. Cases and Hospitalizations (11 and younger)
3. Infection Trends by Source
4. Distribution of Cases, Hospitalizations, and Deaths by Infection Source
5. CDC Level of Community Transmission
6. Change in Incident Rates and Case Counts for All Infection Sources
7. Change in Incident Rates and Case Counts for Sporadic Infections
8. Percentage of COVID-19 Cases in Marion County by Source of Infection
9. Percentage of COVID-19 Cases in Oregon by Source of Infection
10. Rate and Count of Sporadic Cases by Zip Code in Marion County
11. Percentage of COVID-19 Cases Associated with an Outbreak by Type of Facility in Marion County
12. Count and Percentage of COVID-19 Cases Associated with an Outbreak by Type of Facility
13. Rate and Count of Cases by Race and Ethnicity in Marion County per 10,000 population, cumulative
14. Rate and Count of Cases by Race and Ethnicity in Marion County per 10,000 population, current period
15. Rate and Count of Hospitalizations by Race and Ethnicity in Marion County, cumulative
16. Rate and Count of Deaths by Race & Ethnicity in Marion County per 10,000 population, cumulative
17. Rate and Count of Cases by Age, cumulative
18. Rate and Count of Cases by Age, current period
19. Cases in Children (Under 19) in Marion County by Age Group, current period
20. Cases in Fully Vaccinated Children (Under 19) in Marion County by Age Group, current period
21. Cases in Children in Marion County by Age Group and Zip Code, current period
22. Count of Cases for Adults in Custody in Marion County
23. Percentage of COVID-19 Cases for Adults in Custody (AIC) vs. Non-AIC in Marion County

Infections, Hospitalizations & Deaths - Monthly Summary

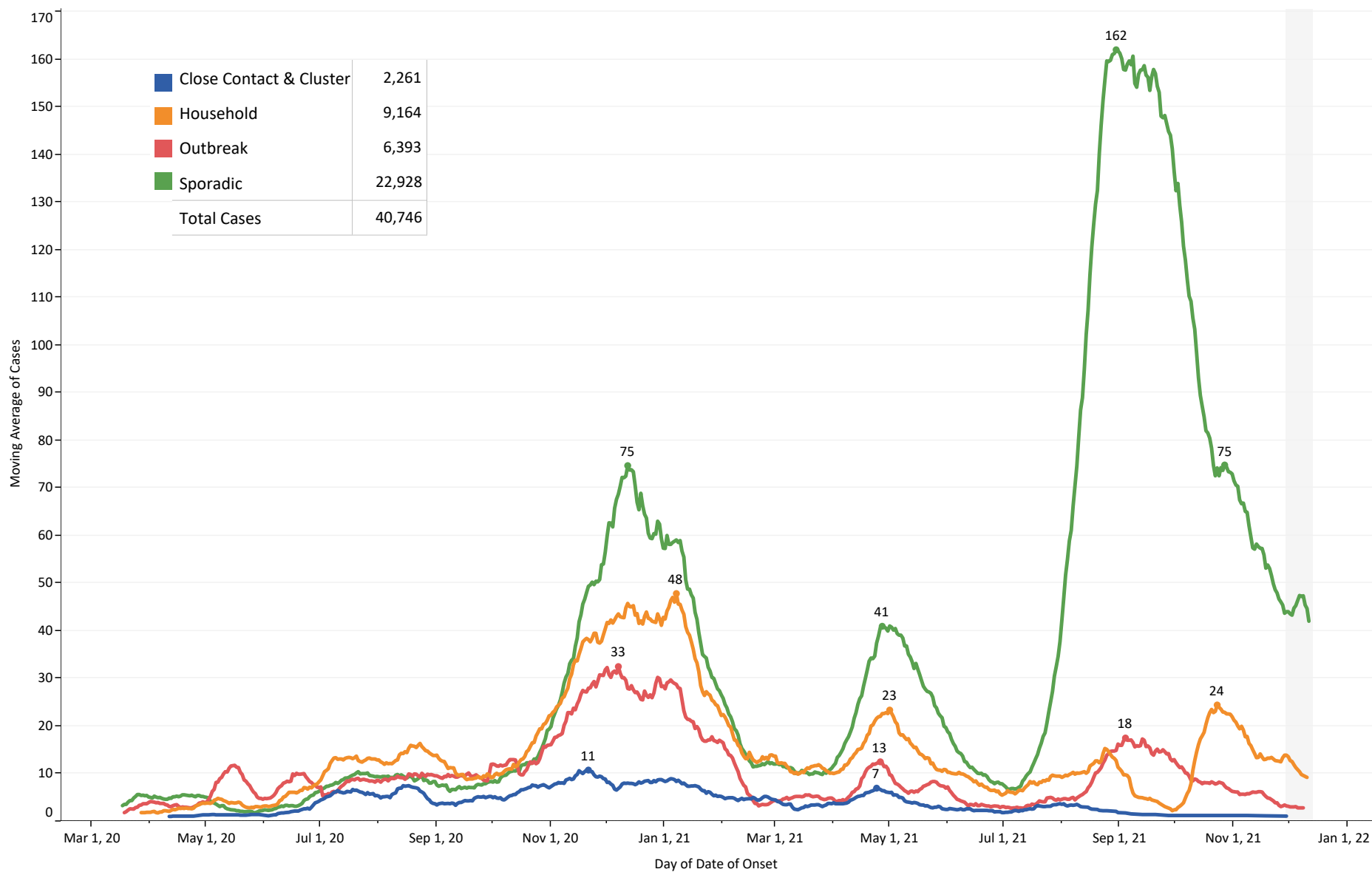
The charts below list the monthly counts for infections and cases with severe disease, along with the percent change on a month-to-month basis. Date used is the date of symptom onset. After very high case numbers in late summer and early fall, we continue to see a decline in cases, hospitalizations, and deaths. Page 2 shows cases and hospitalizations of children. As of Nov 3, 2021, vaccine became available for children 5 to 11 years old. On Dec 9, fully vaccinated individuals 16- and 17-years-old became eligible for booster doses.



Infections, Hospitalizations & Deaths by Onset Date - Monthly Summary

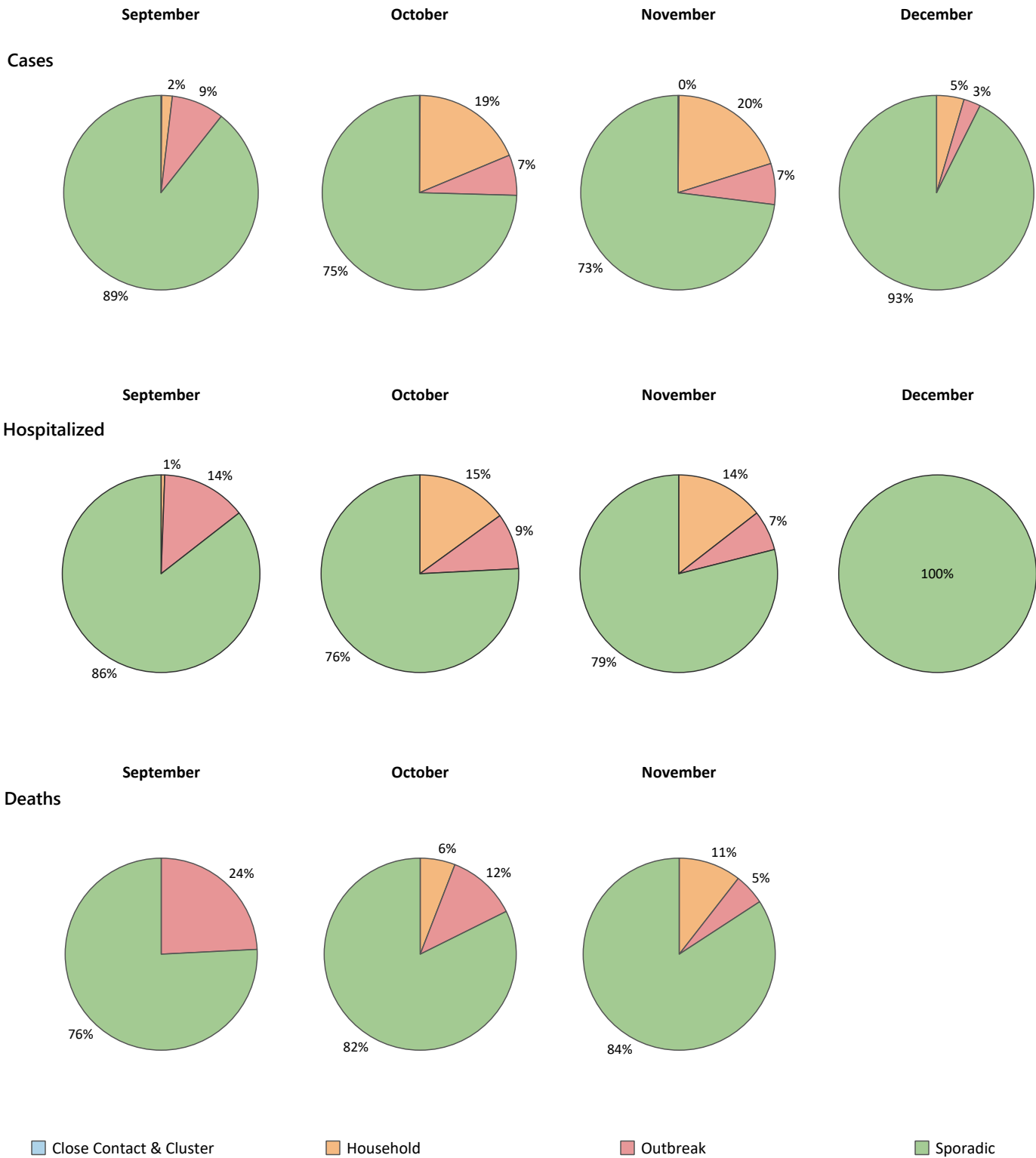


Infection Trends by Source



This chart shows the four general sources of infection and their trends using a 14-day moving average, where the dates reflect the date of symptom onset. The shaded bar indicates the date interval where data is likely incomplete and subsequent case investigation will identify a source.

Distribution of Cases, Hospitalizations and Deaths by Infection Source

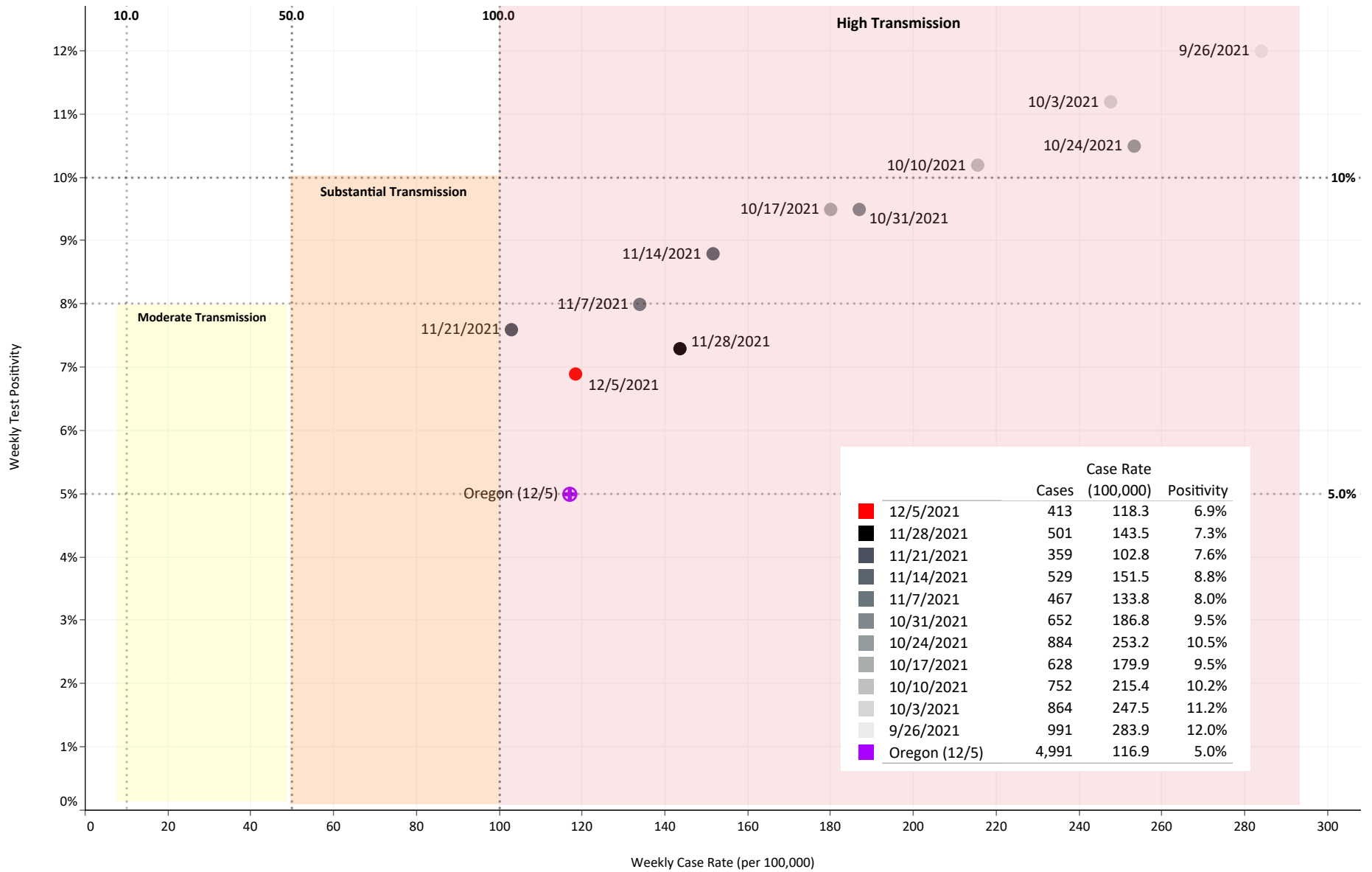


The above charts display the monthly distribution by infection source for cases, hospitalizations and deaths over the past four months. The month is assigned by date of symptom onset.

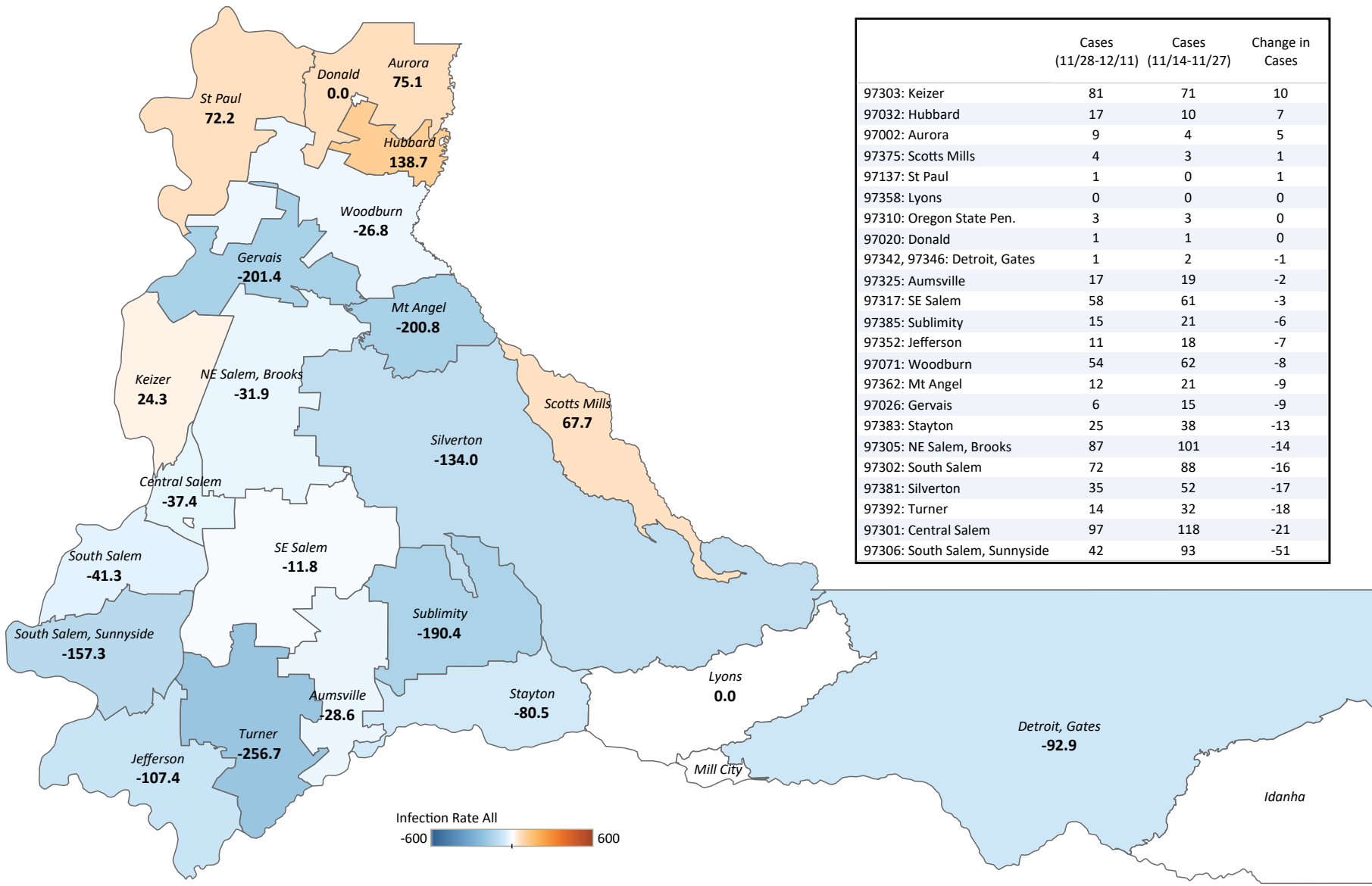
Data Updated: 12/13/2021

CDC Level of Community Transmission

This diagram tracks the changes in the two metrics associated with the community spread of COVID-19: the test-based positivity and the number of cases per 100,000, both of which are calculated over a weekly period (Sunday-Saturday). Case counts and positivity started to rise in early July, coinciding with the increasing levels of the delta variant in the population. Now into mid-December, we see a continued reduction in positivity.

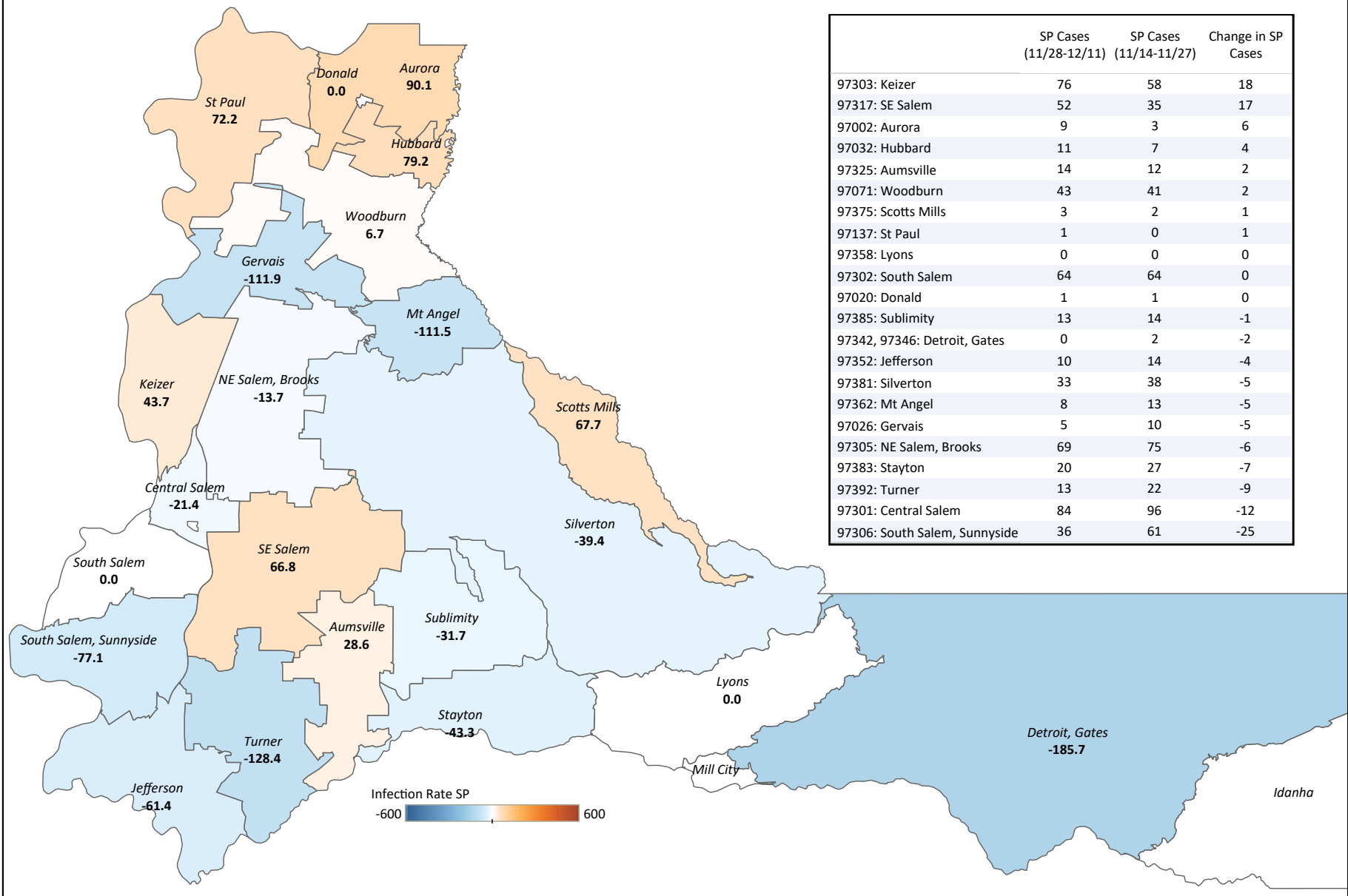


Change in Incident Rates & Case Counts for All Infections



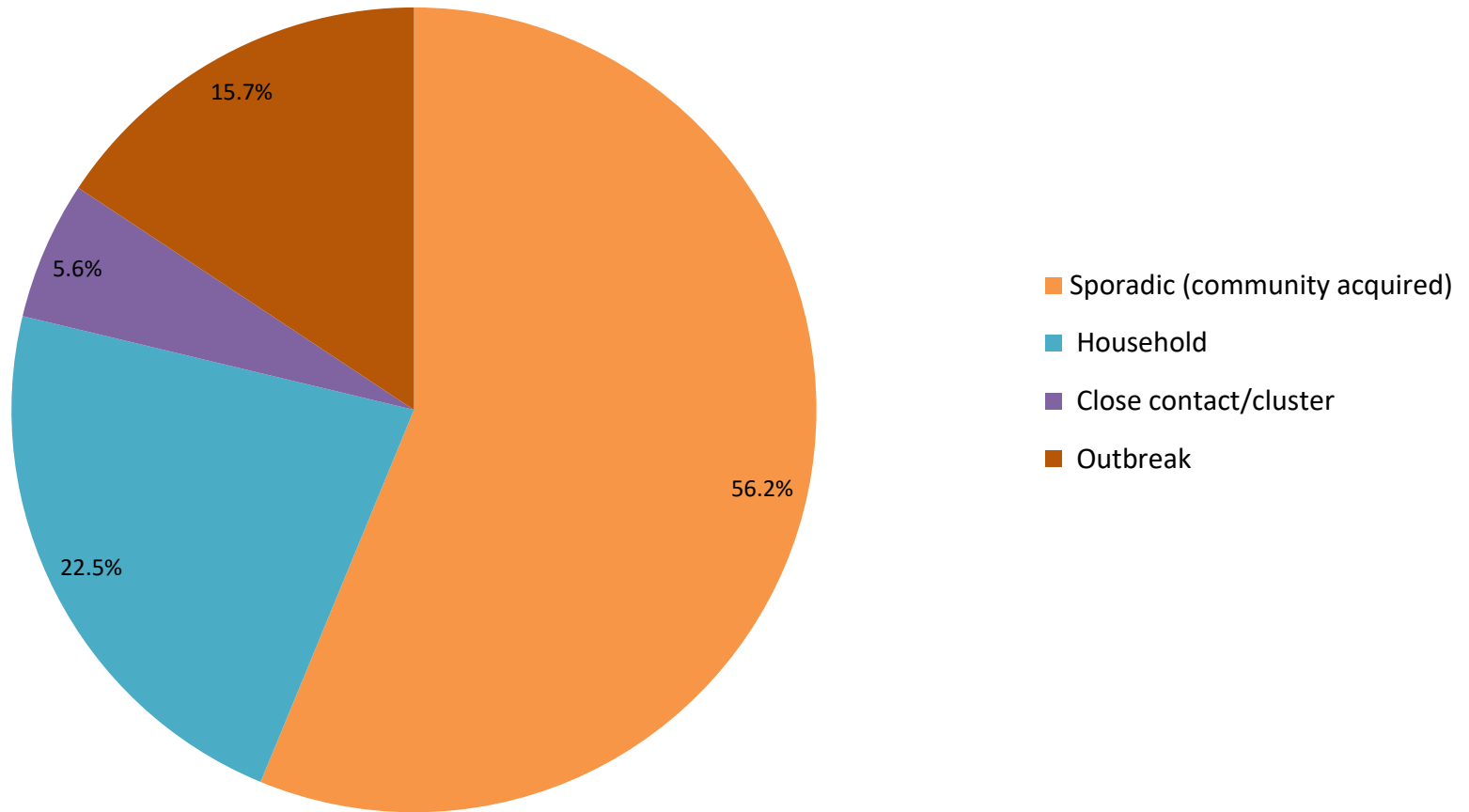
This map shows how case counts and rates due to all transmission sources have varied over the two most recent two-week periods. During this time case numbers have continued to decrease in most zip code areas. Dates are date of symptom onset.

Change in Incident Rates & Case Counts for Sporadic Infections



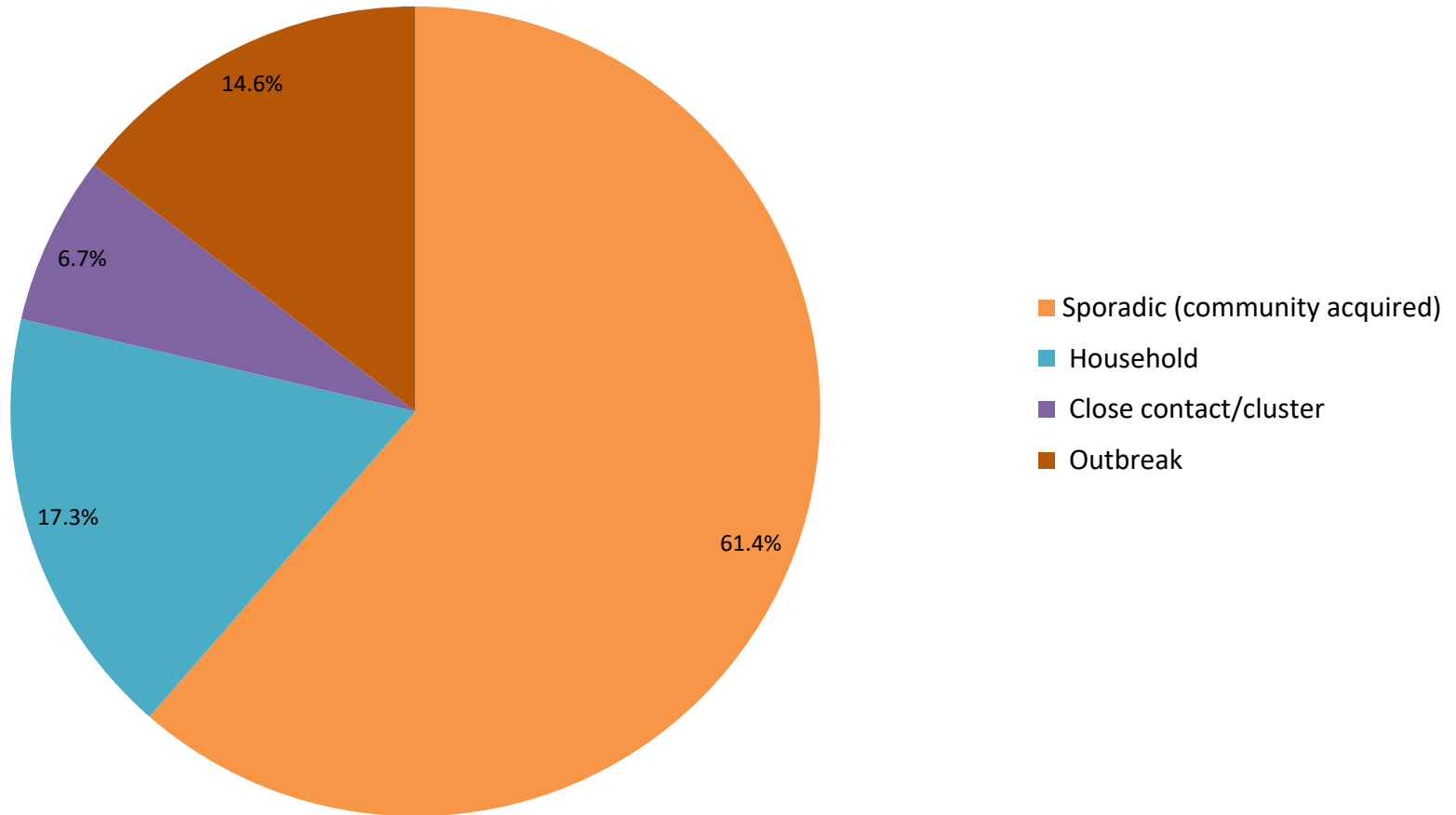
This map shows how sporadic case counts and rates have varied between the the two most recent two-week periods. Community spread remains the most common source of transmission, and while some areas saw a relative increase in infections over the past few weeks, these increases are far less than had been occurring in August and September. Dates are date of symptom onset.

Percentage of COVID-19 cases in Marion County by source of infection, 3/1/20 - 12/11/21, OPERA



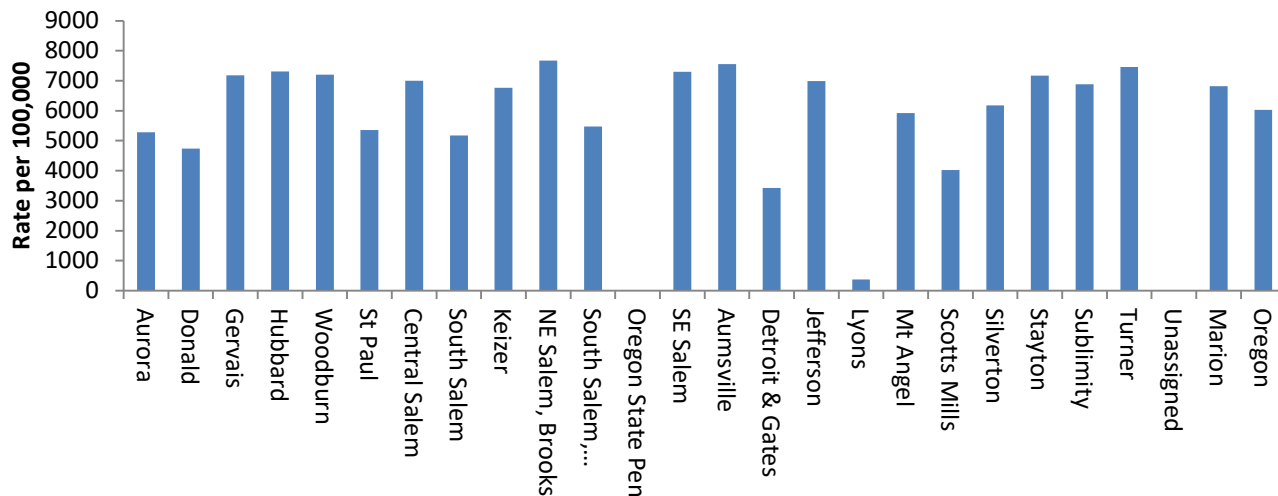
This slide shows the breakdown of infection source for COVID-19 cases in residents of Marion County. The most common type of infection source in Marion is sporadic transmission (community acquired) (56.2%), followed by household (22.5%). **It is important to note that this figure should not be directly compared to the state figure as they don't take into account differences in population size.** Close contact/cluster = contact between cases from different households not associated with a facility. These are typically referred to as social event outbreaks. Generated 12/11/21. **Updated bi-weekly**

Percentage of COVID-19 cases in Oregon by source of infection, 3/1/20 - 12/11/21, OPERA

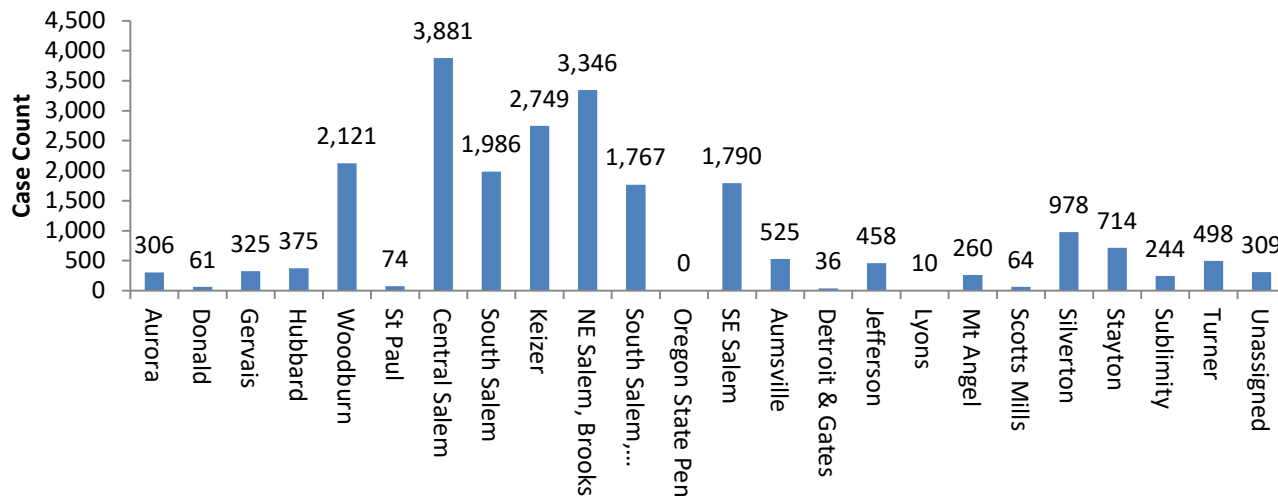


This slide shows the percentage of COVID-19 cases by the likely source of infection for residents in Oregon. In Oregon, the most common source of infection for COVID-19 cases are sporadic (61.4%), or that the source cannot be ascertained, these are said to be “community acquired”. The second most common source is households (17.3%), followed by outbreaks (14.6%). **It is important to note that this figure should not be directly compared to the Marion figure as they don’t take into account differences in population size.** Generated 12/11/21. **Updated bi-weekly**

Rate of COVID-19 sporadic cases by zip code in Marion County per 100,000 population, 3/1/20 - 12/11/21, OPERA & Census Bureau

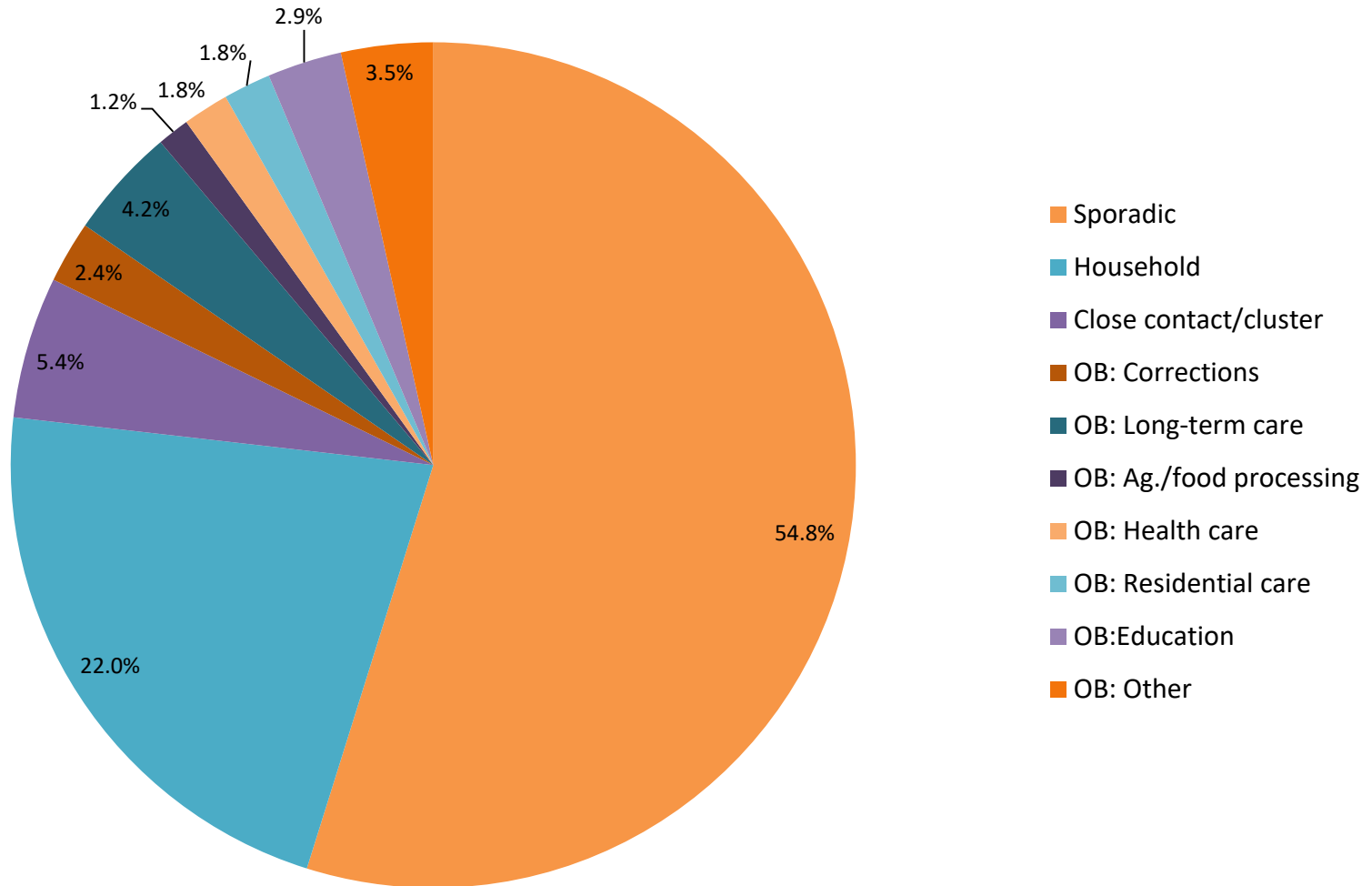


Count of COVID-19 sporadic cases by zip code in Marion County (N=22,877), 3/1/20 - 12/11/21, OPERA & Census Bureau



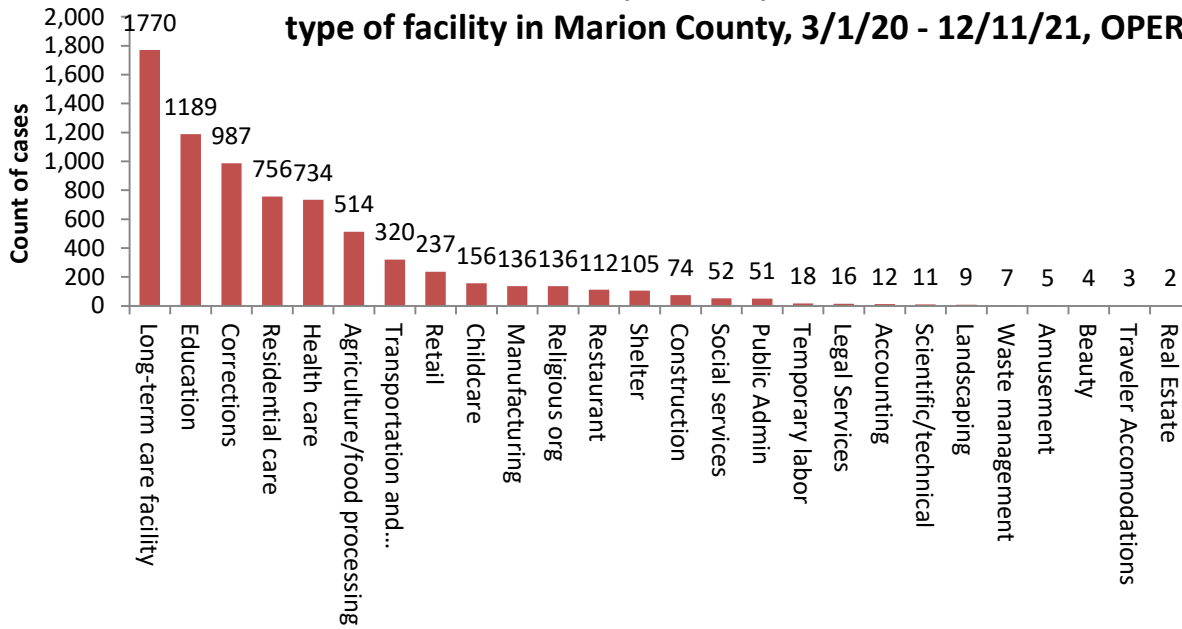
This slide shows the rate of sporadic (community acquired) COVID-19 illness per 100,000 amongst cases in Marion County. When taking population size into account, sporadic COVID-19 illness has been highest in “North County” zip codes (Woodburn, Gervais, Hubbard, and NE Salem/Brooks), however more recently southern zip codes have exhibited an increase in sporadic case rates (SE Salem, Stayton, Aumsville, and Turner). Of note, the sporadic case rate has been higher in Marion County than Oregon, suggesting that more cases per capita became infected from an unknown source in Marion than Oregon cases as a whole. The bulk of sporadic cases by count are coming from Woodburn, Central Salem, Keizer, and NE Salem Brooks zip codes. Generated 12/11/21. ****Updated bi-weekly****

Percentage of COVID-19 cases associated with an outbreak by type of facility in Marion County, 3/1/20 - 12/11/21, OPERA

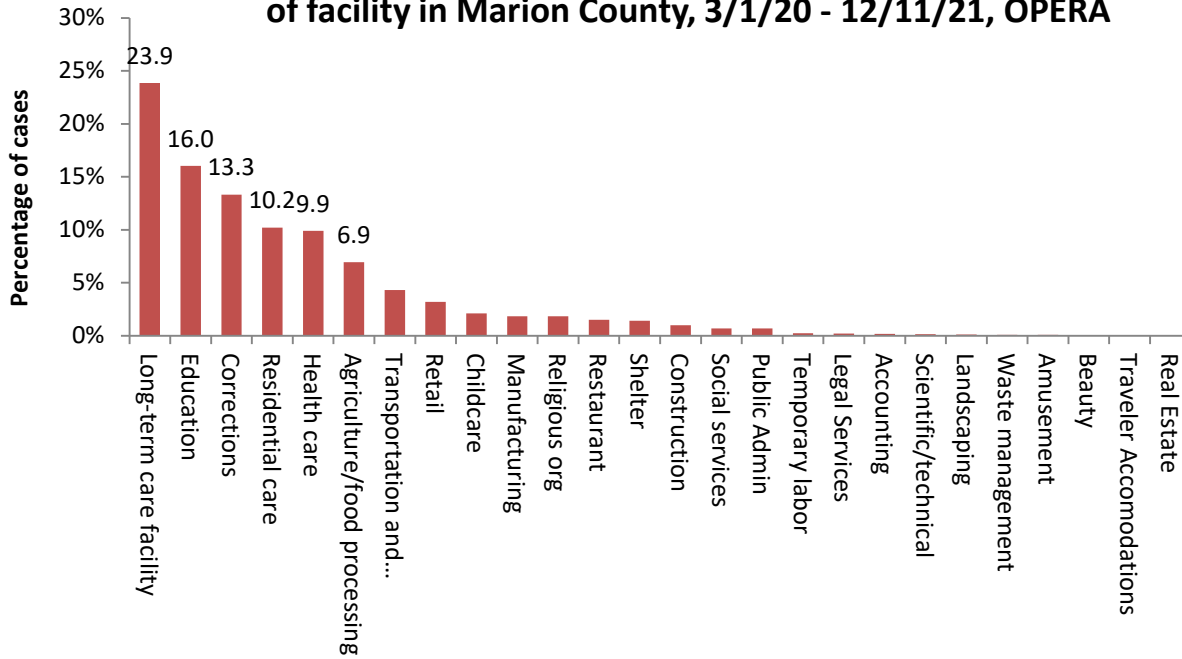


This slide shows the overall summary of source of COVID-19 illness in Marion County with a further breakdown of outbreaks. Outbreaks include any case associated with a facility in Marion County regardless of where they reside. OB = outbreaks. Generated 12/11/21. **Updated bi-weekly** **Cases associated with a facility in Marion County experiencing an outbreak includes residents and non-residents of Marion County**

Count of COVID-19 cases (N=7,416) associated with an outbreak by type of facility in Marion County, 3/1/20 - 12/11/21, OPERA

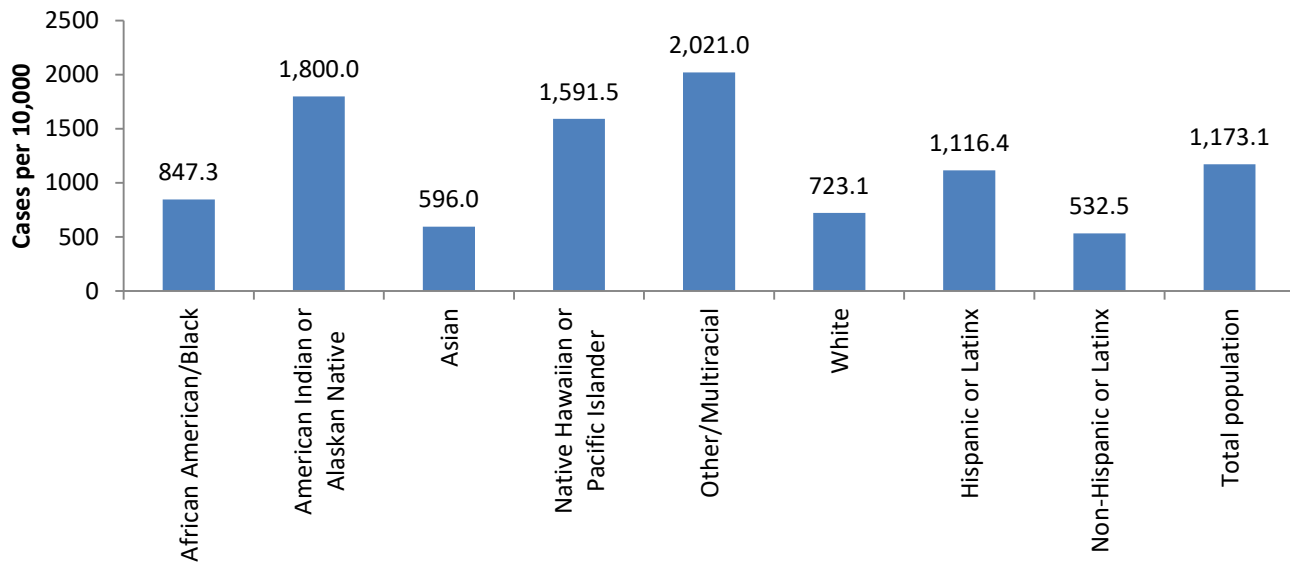


Percentage of COVID-19 cases associated with an outbreak by type of facility in Marion County, 3/1/20 - 12/11/21, OPERA



This slide shows the percentage and count of COVID-19 cases by type of outbreak facility in Marion County. The most common source of outbreaks were at long-term-care-facilities (LTCF) (23.9%), followed by education (16.0), and then corrections (13.3%). The percentage of cases associated with education settings has increased rapidly in recent weeks. Generated 12/11/21. ****Updated bi-weekly****
****Cases associated with a facility in Marion County experiencing an outbreak includes residents and non-residents of Marion County****

Rate of COVID-19 cases by race & ethnicity in Marion County per 10,000 population, 3/1/20 - 12/12/21, OPERA & Census Bureau



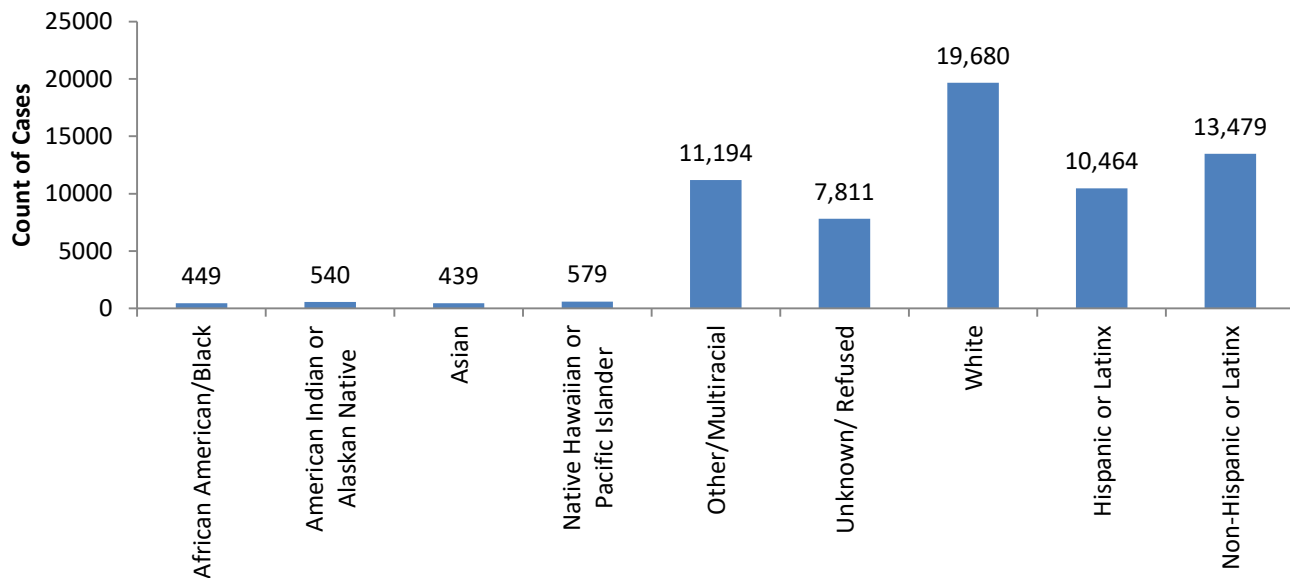
COVID-19 illness disproportionately affects communities of color. People who identified as Other or Multiracial had the highest case incidence rates of any racial group in Marion County. People who identified as Hispanic or LatinX had higher incidence rates than their Non-Hispanic or LatinX counterparts (1,116.4 per 10,000 Vs. 532.5 per 10,000). At this time, 10,464 people from the Hispanic or LatinX community have had COVID-19 illness. Generated 12/13/21. ****Updated bi-weekly****.

Race: refers to how a person identifies, typically in terms of physical characteristics such as skin color. (OHA – REALD) A person may identify as one single race or multiple races, in which case they are coded as “Other/Multiracial”.

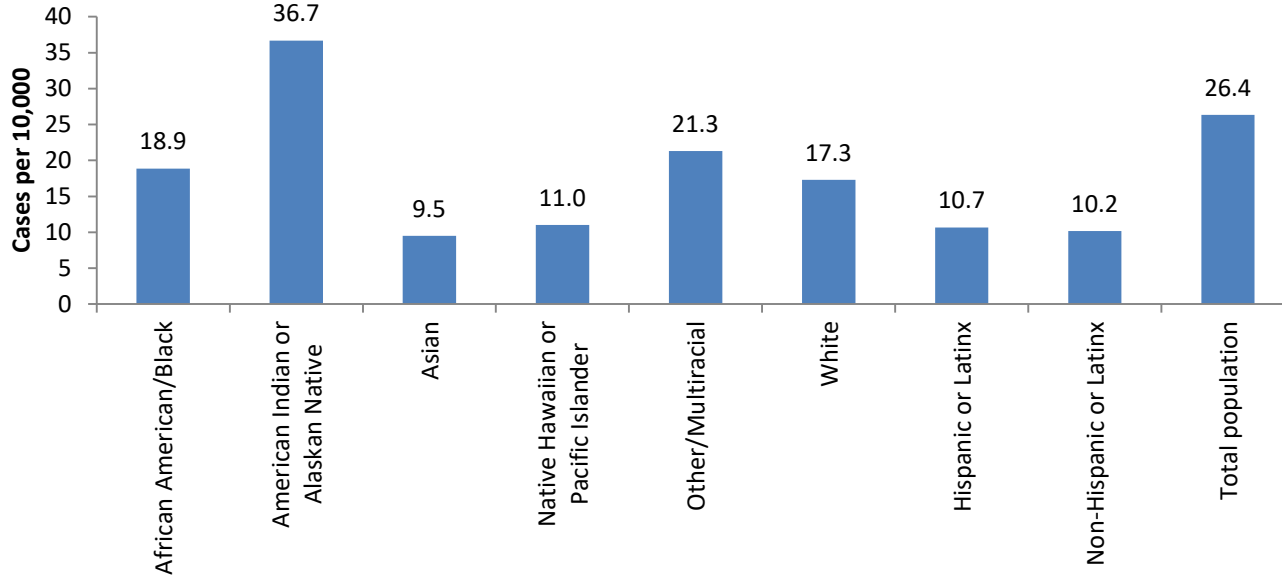
Ethnicity: refers to cultural factors such as nationality. In data collection efforts, “ethnicity” in the U.S. typically refers specifically to Hispanic ethnicity. (OHA – REALD)

Note – As cases are asked to provide their race and ethnicity, the total number of cases in the bottom figure will sum to more than the total number of cases reported (N).

Count of COVID-19 cases (N=40,692) by race & ethnicity in Marion County, 3/1/20 - 12/12/21, OPERA & Census Bureau



Rate of COVID-19 cases by race & ethnicity in Marion County per 10,000 population, 11/28/21 - 12/11/21, OPERA & Census Bureau

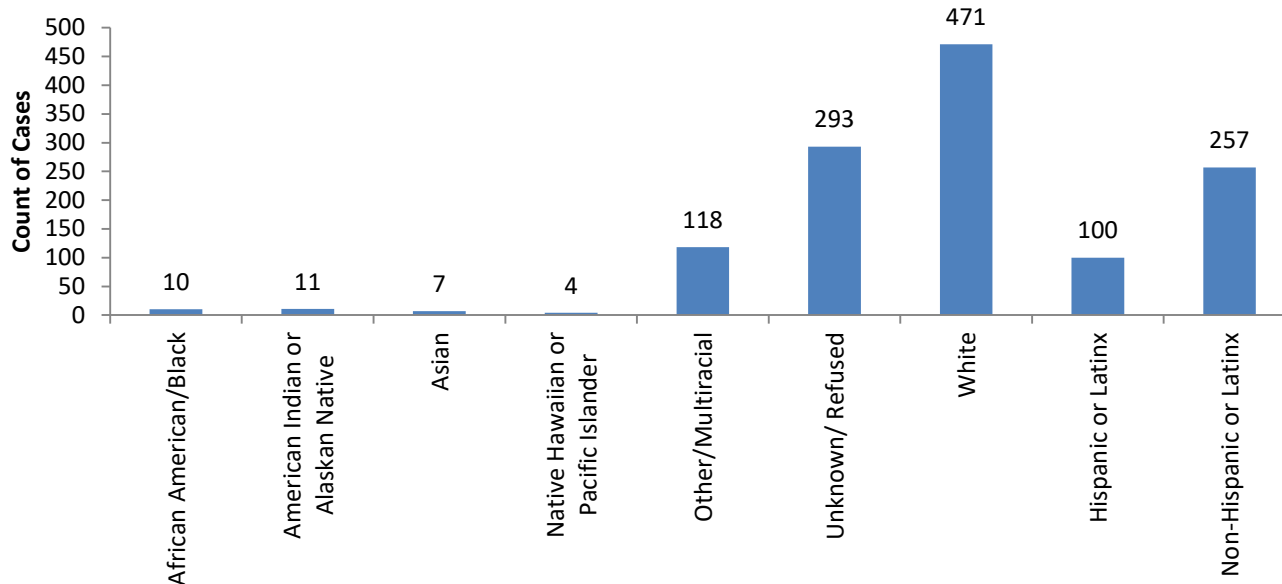


In the last two weeks, COVID-19 illness disproportionately affected communities of color in Marion County. People who identified as Hispanic or LatinX had higher incidence rates than their Non-Hispanic or LatinX counterparts (10.7 per 10,000 Vs. 10.2 per 10,000). Generated 12/13/21. ****Updated bi-weekly****.

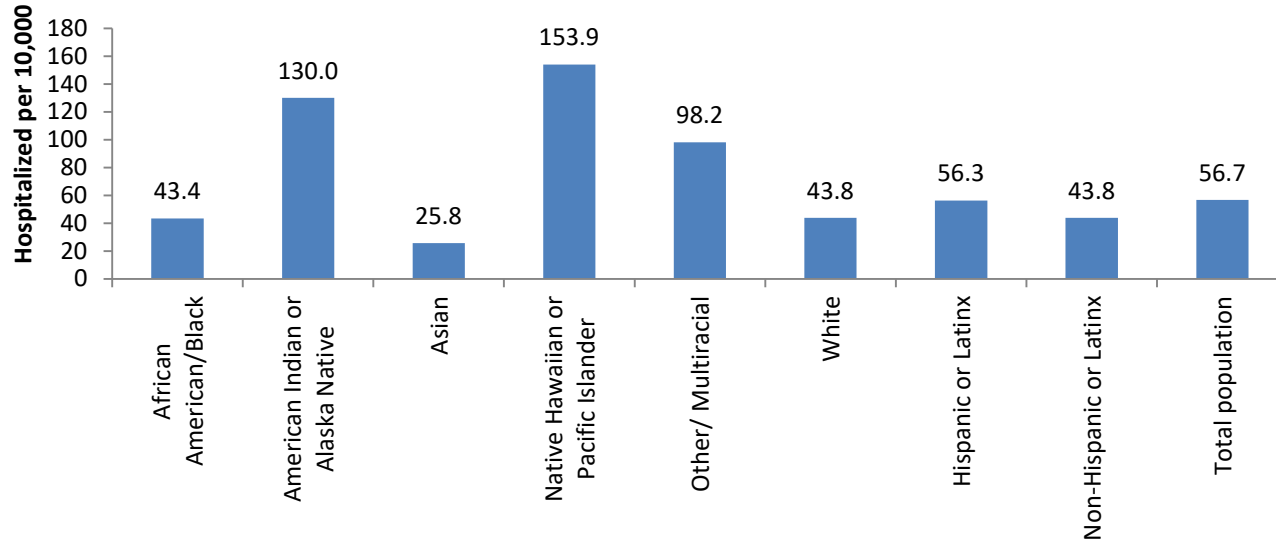
Race: refers to how a person identifies, typically in terms of physical characteristics such as skin color. (OHA – REALD) A person may identify as one single race or multiple races, in which case they are coded as “Other/Multiracial”.

Ethnicity: refers to cultural factors such as nationality. In data collection efforts, “ethnicity” in the U.S. typically refers specifically to Hispanic ethnicity. (OHA – REALD)
 Note – As cases are asked to provide their race and ethnicity, the total number of cases in the bottom figure will sum to more than the total number of cases reported (N).

Count of COVID-19 cases (N=914) by race & ethnicity in Marion County, 11/28/21 - 12/11/21, OPERA & Census Bureau



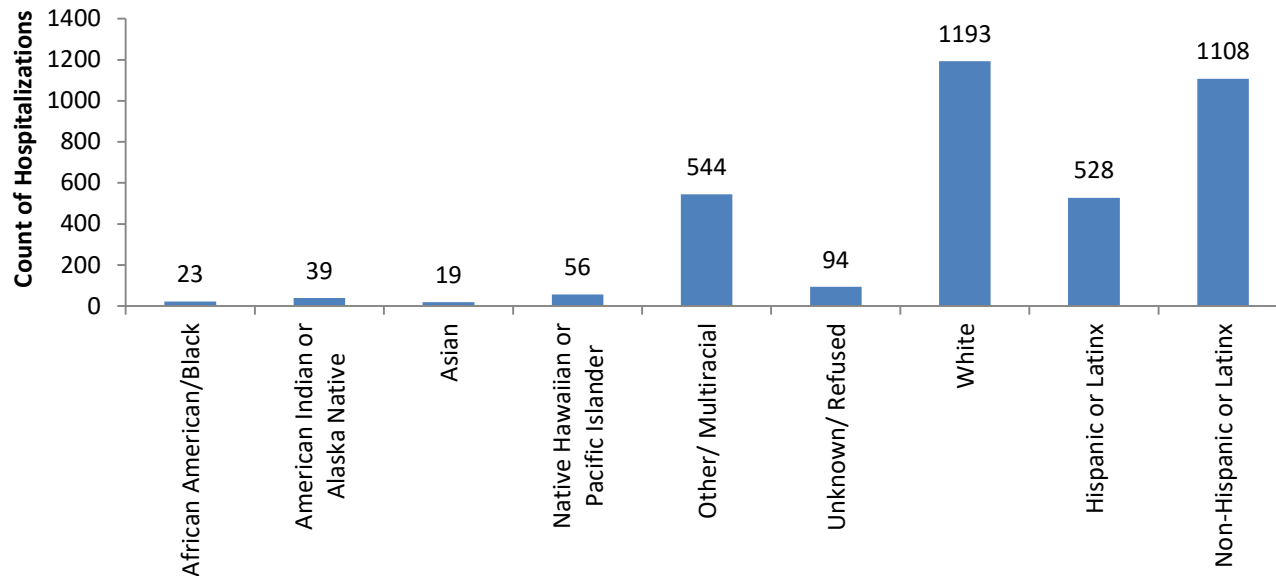
Rate of COVID-19 hospitalizations by race & ethnicity in Marion County per 10,000 population, 1/1/20 - 11/12/21, ORPHEUS & Census Bureau



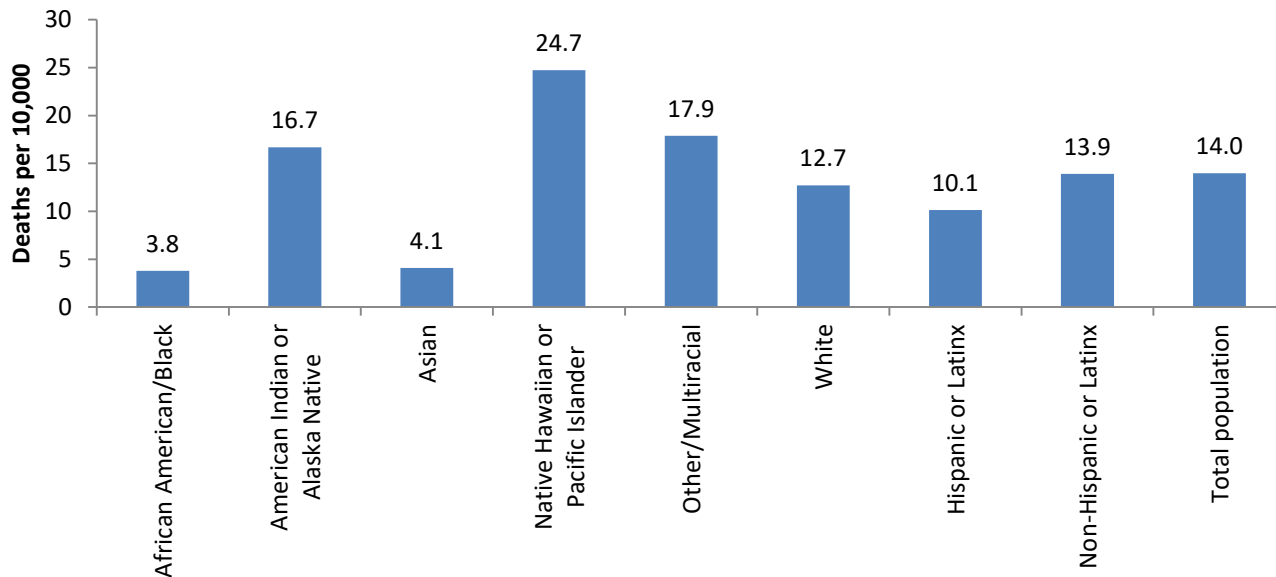
In the community, people who identified as Native Hawaiian or Pacific Islander had the highest rate of hospitalizations from COVID-19 of any racial group (153.9 per 10,000). People who identified as Hispanic or LatinX had higher hospitalization rates than their Non-Hispanic or LatinX counterparts (56.3 per 10,000 Vs. 43.8 per 10,000). At this time, 1,968 people in the community have been hospitalized with COVID-19. Generated 11/13/21. **Updated as needed**

Race: refers to how a person identifies, typically in terms of physical characteristics such as skin color. (OHA – REALD) A person may identify as one single race or multiple races, in which case they are coded as “Other/Multiracial”. Ethnicity: refers to cultural factors such as nationality. In data collection efforts, “ethnicity” in the U.S. typically refers specifically to Hispanic ethnicity. (OHA – REALD) Note – As cases are asked to provide their race and ethnicity, the total number of cases in the bottom figure will sum to more than the total number of cases reported (N).

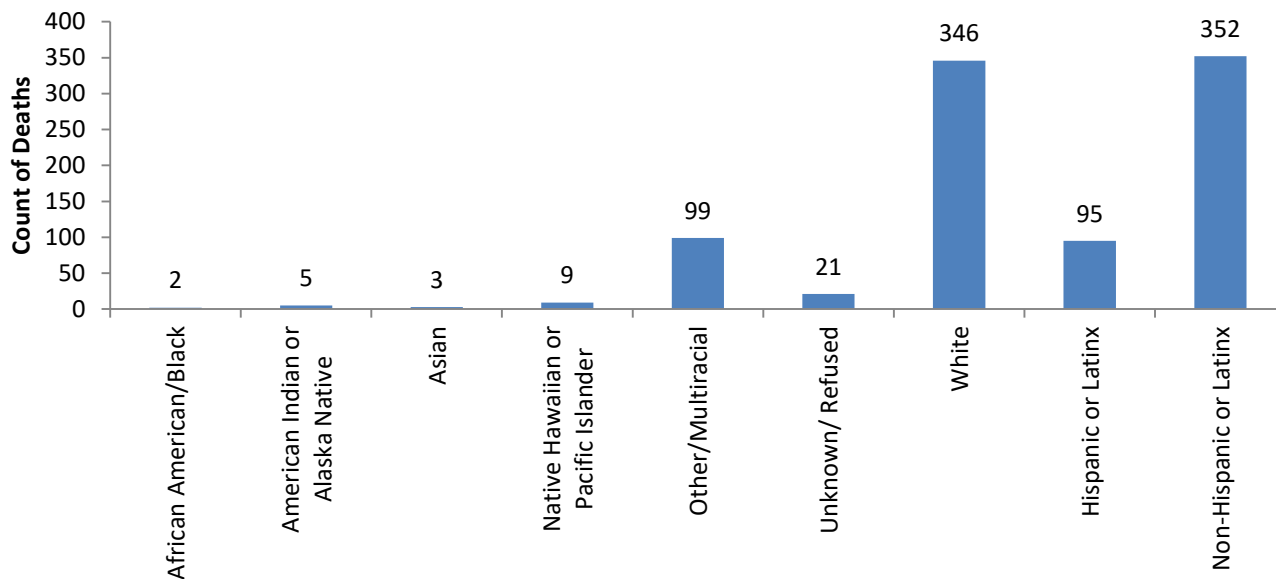
Count of COVID-19 hospitalizations(N=1,968) by race & ethnicity in Marion County, 1/1/20 - 11/12/21, ORPHEUS & Census Bureau



Rate of COVID-19 deaths by race & ethnicity in Marion County per 10,000 population, 1/1/20 - 11/12/21, ORPHEUS & Census Bureau



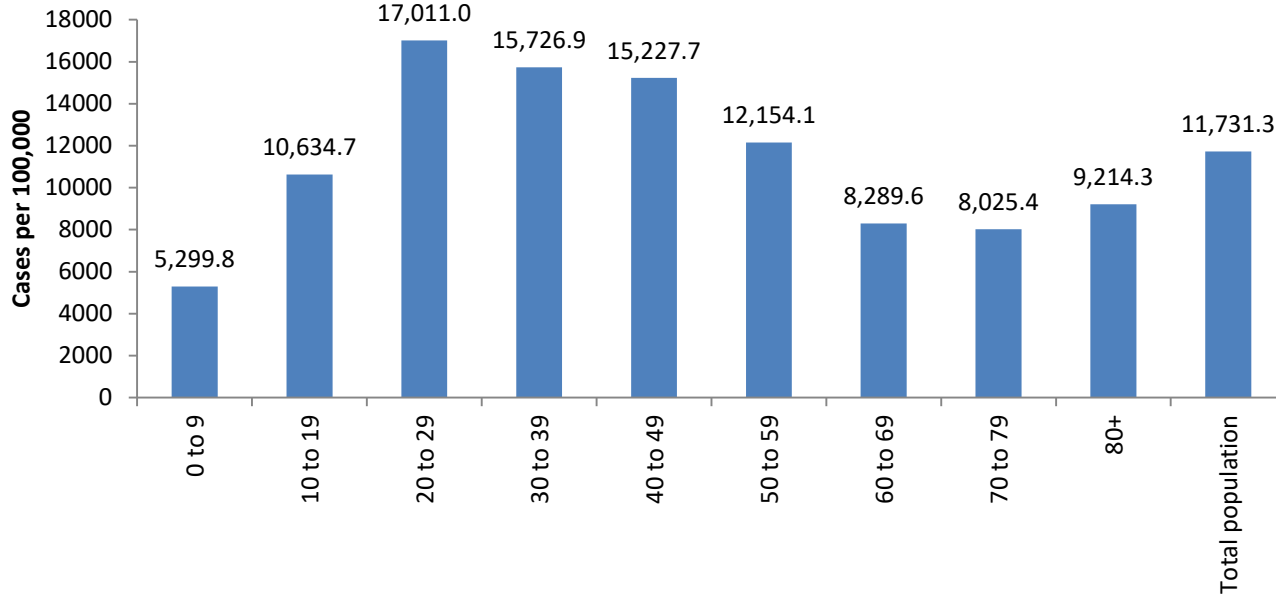
Count of COVID-19 deaths (N=485) by race & ethnicity in Marion County, 1/1/20 - 11/12/21, ORPHEUS & Census Bureau



The COVID-19 mortality rate was highest amongst the Native Hawaiian and Pacific Islander community (24.7 per 10,000) in Marion County. People who identified as non-Hispanic or LatinX had higher mortality rates from COVID-19 than their Hispanic or LatinX counterparts (13.9 per 10,000 Vs. 10.1 per 10,000). At this time, 485 people in the community have died due to COVID-19. Generated 11/13/21. ****Updated as needed****

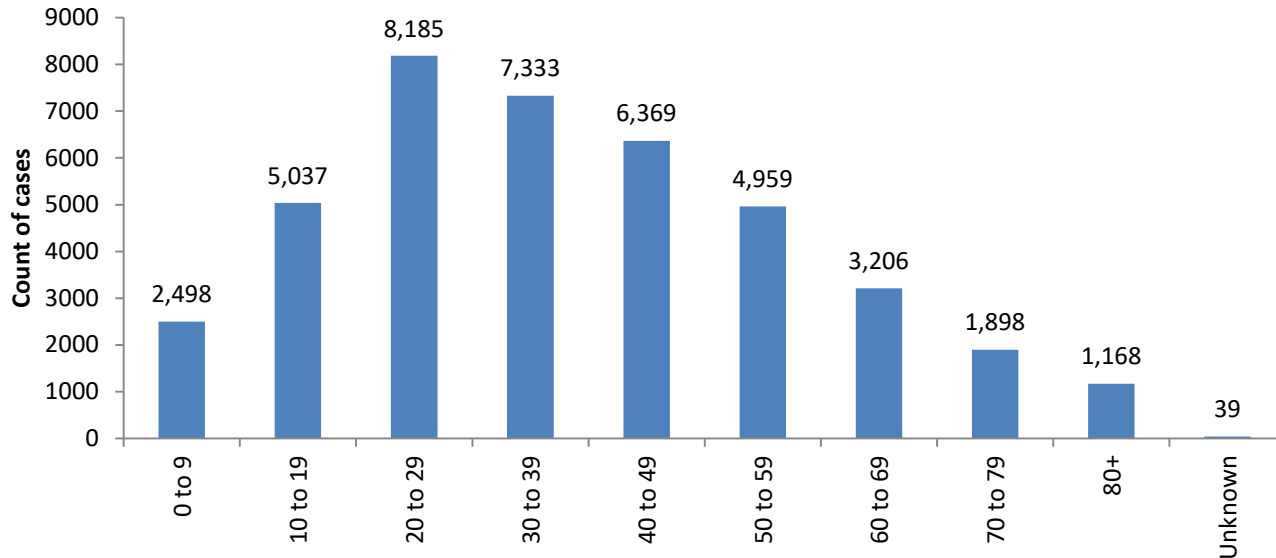
Race: refers to how a person identifies, typically in terms of physical characteristics such as skin color. (OHA – REALD) A person may identify as one single race or multiple races, in which case they are coded as “Other/Multiracial”.
 Ethnicity: refers to cultural factors such as nationality. In data collection efforts, “ethnicity” in the U.S. typically refers specifically to Hispanic ethnicity. (OHA – REALD)
 Note – As cases are asked to provide their race and ethnicity, the total number of cases in the bottom figure will sum to more than the total number of cases reported (N).

Rate of COVID-19 cases by age in Marion County per 100,000 population, 3/1/20 - 12/12/21, OPERA & Census Bureau

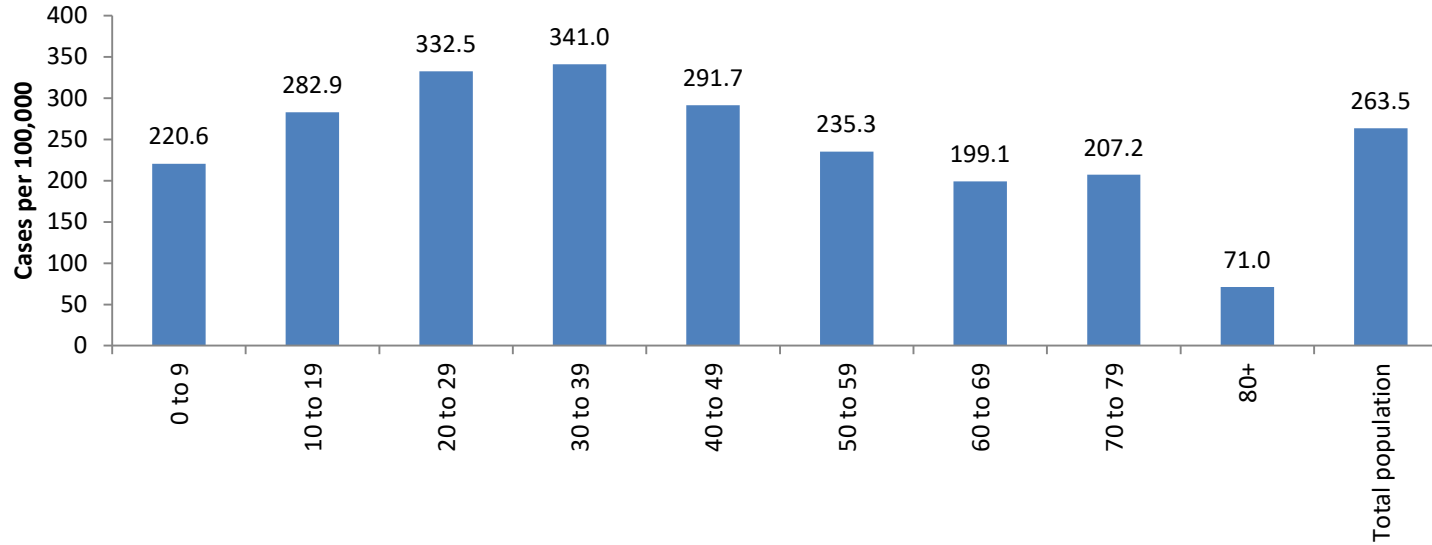


COVID-19 incidence rates have been higher in working age adults between the ages of 20-59 throughout the pandemic. Rates were highest for those between the ages of 20-29. Rates fell off after age 59 before rising again for those over the age of 80. Generated 12/13/21 **Updated bi-weekly**

Count of COVID-19 cases by age in Marion County per 100,000 population (N=40,692), 3/1/20 - 12/12/21, OPERA & Census Bureau

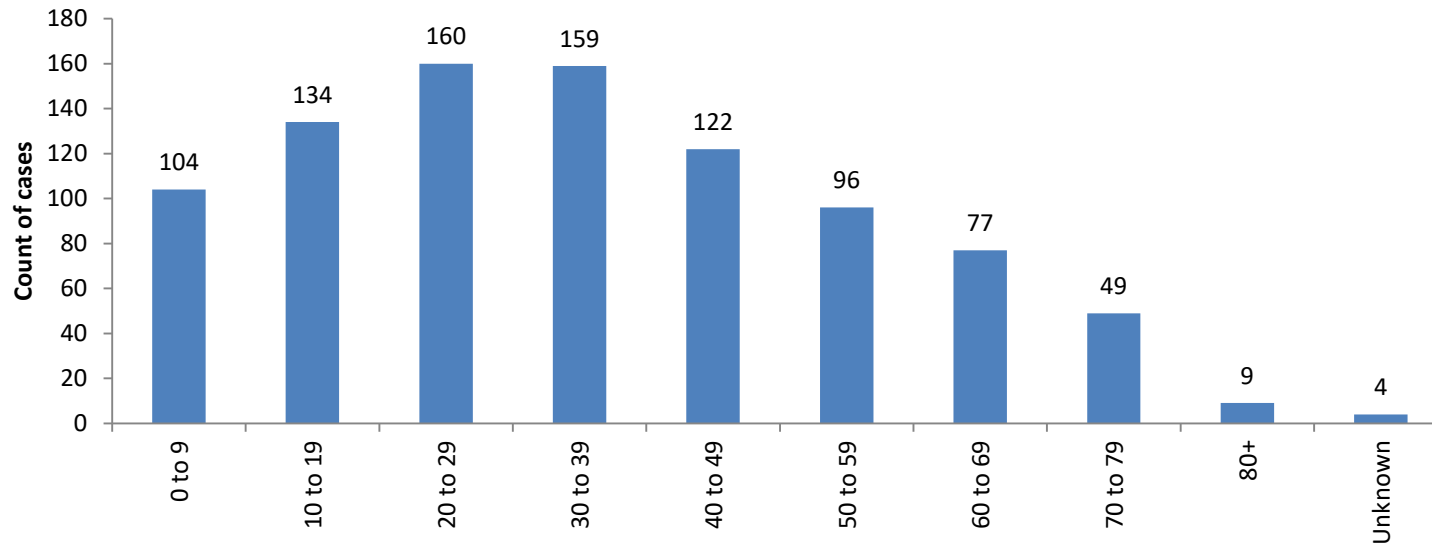


Rate of COVID-19 cases by age in Marion County per 100,000 population, 11/28/21 - 12/11/21, OPERA & Census Bureau

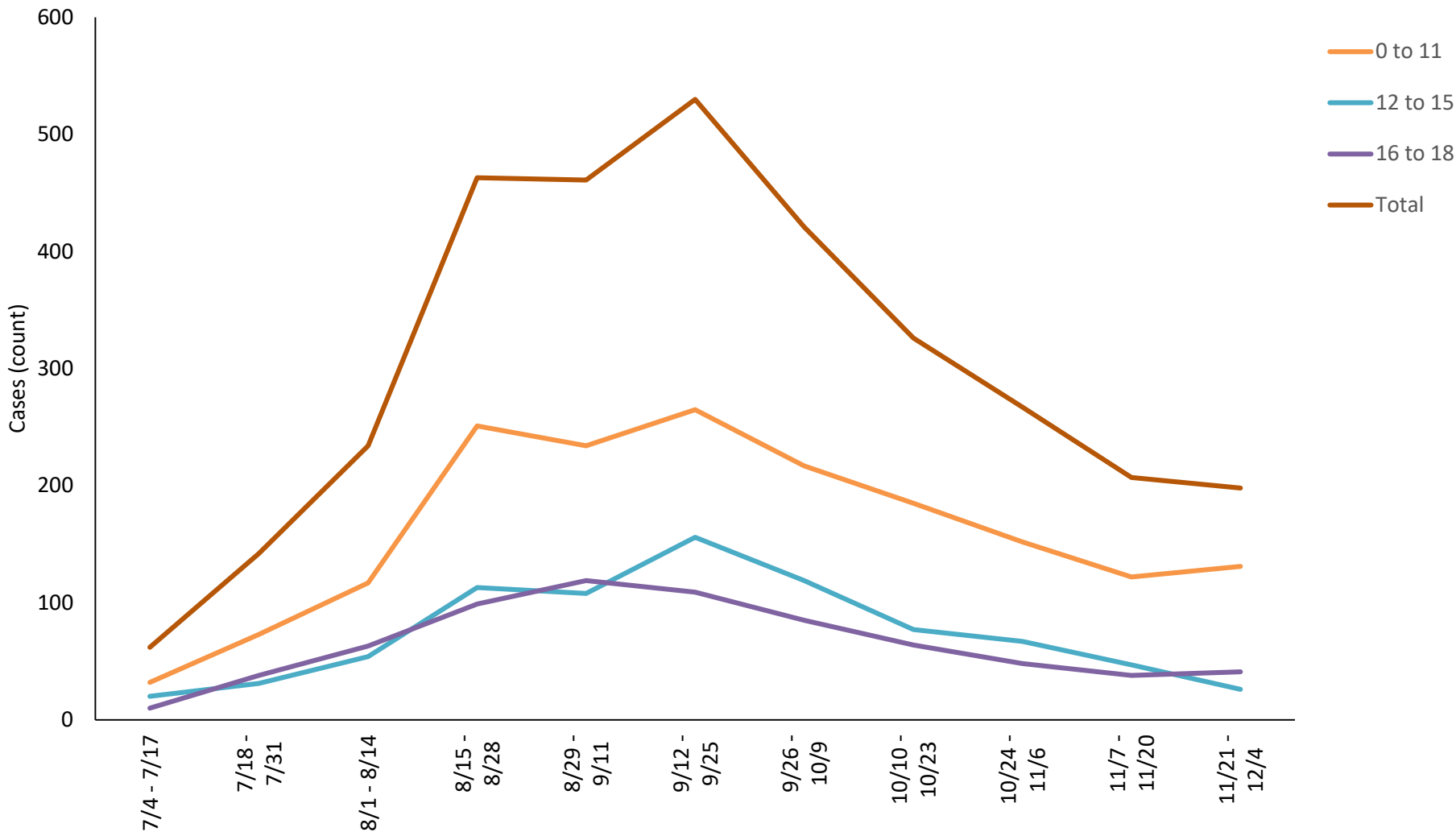


In the past two weeks, COVID-19 incidence rates were higher in working age adults between the ages of 20-49. Rates were highest for those between the ages of 30-39. Generated 12/13/21
****Updated bi-weekly****

Count of COVID-19 cases by age in Marion County per 100,000 population (N=914), 11/28/21 - 12/11/21, OPERA & Census Bureau

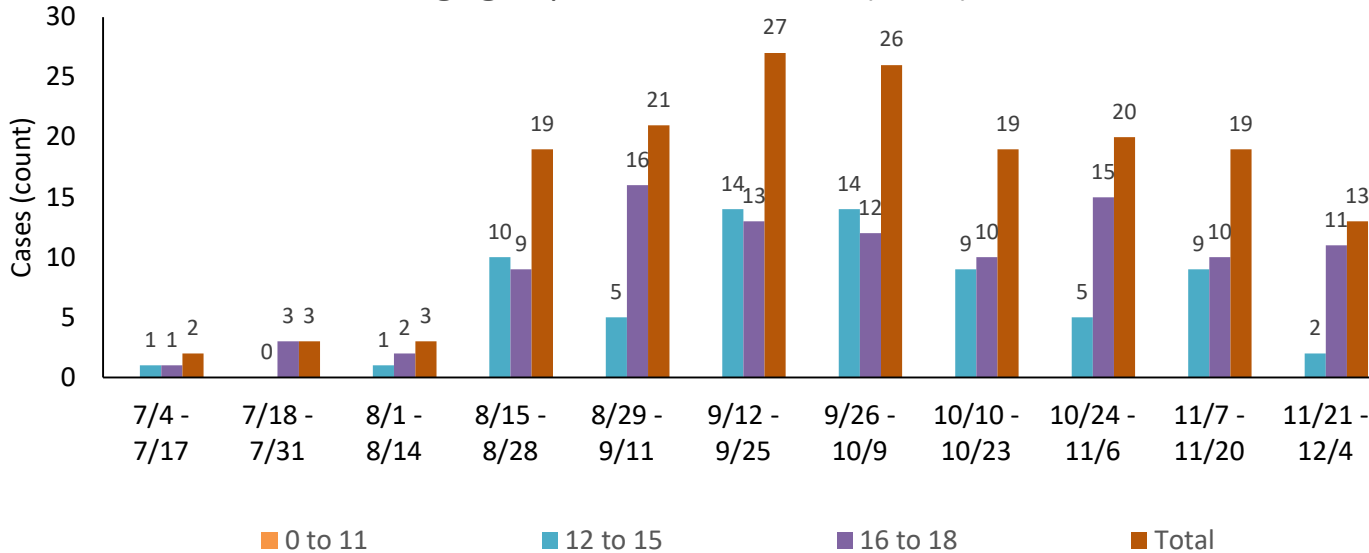


Cases in children (under 19) in Marion County by age group,
7/4/21 - 12/4/21(onset), OPERA

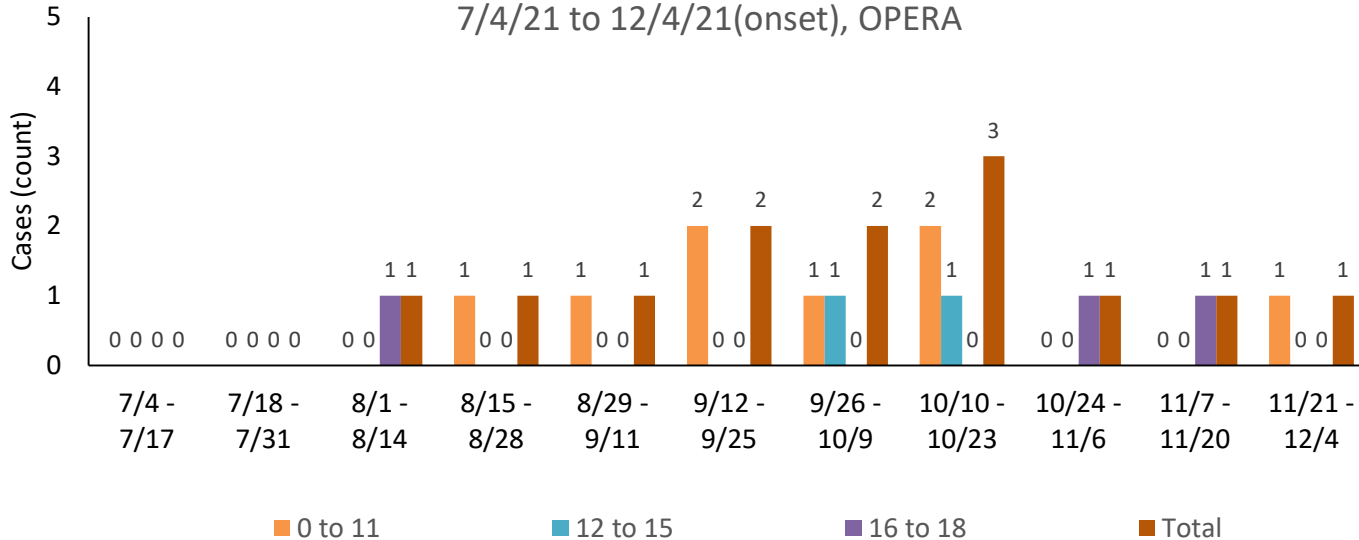


Cases in children have been decreasing recently in line with overall County trends after a surge in cases in August and September. **Please do not compare age groups to each other as they have not been adjusted for differences in their respective population sizes (i.e. per capita rates).** Generated 12/13/21. **Updated bi-weekly**

Cases in fully vaccinated children (under 19) years old in Marion County by age group, 7/4/21 to 12/4/21(onset), OPERA

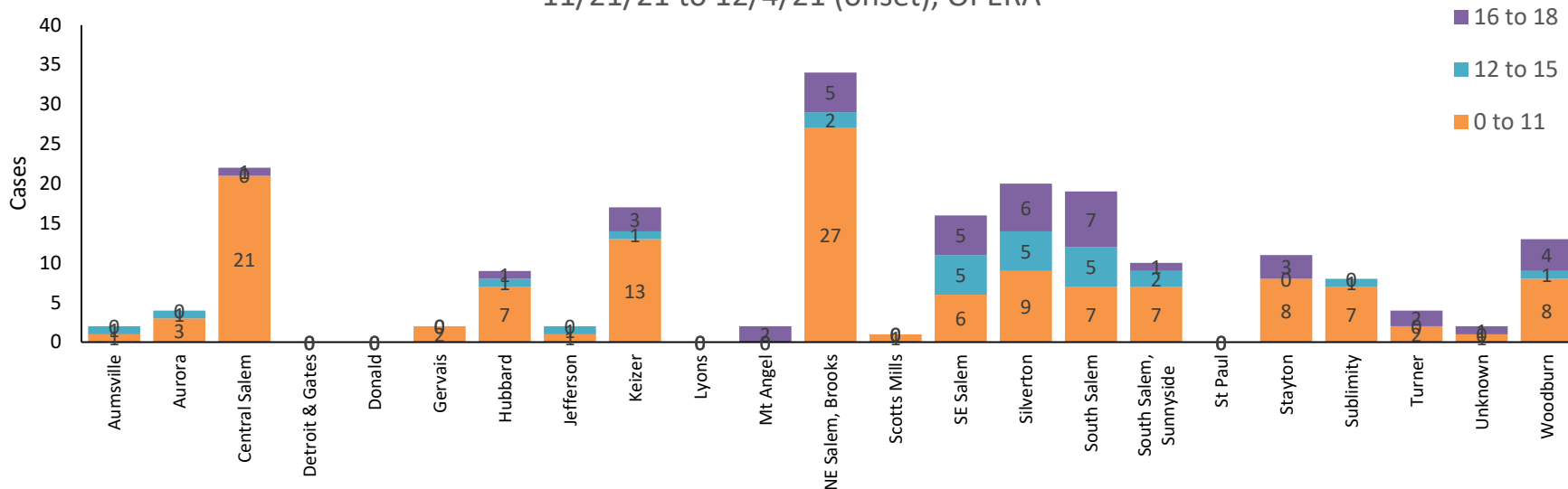


Cases in hospitalized children (under 19) in Marion County by age group, 7/4/21 to 12/4/21(onset), OPERA

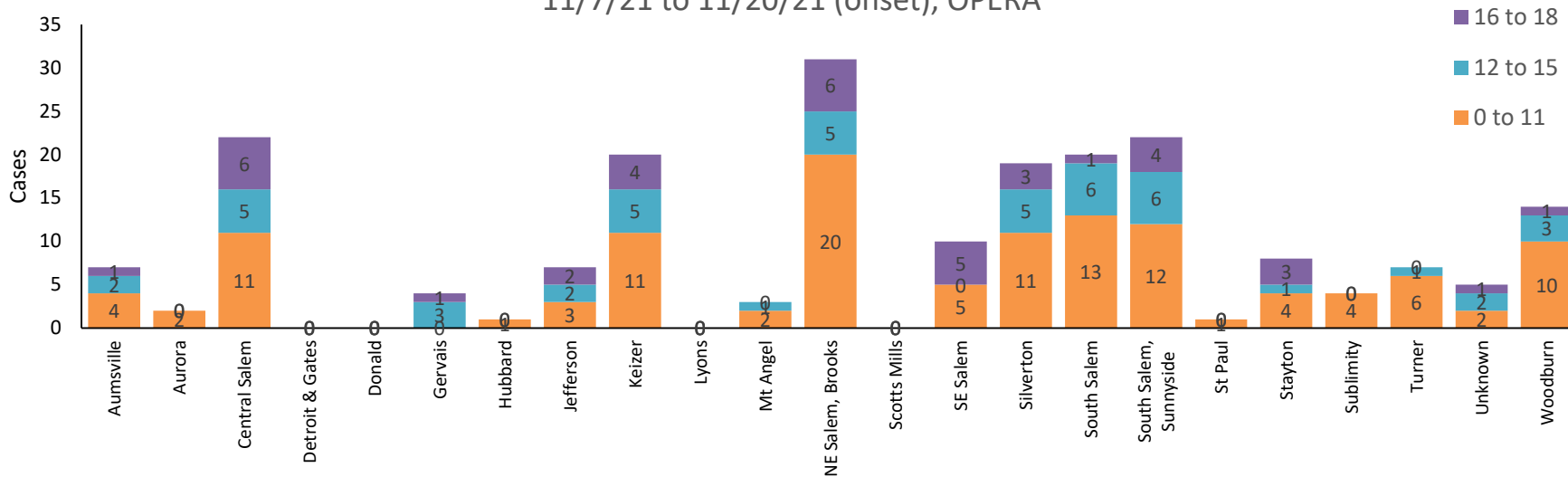


Cases in fully vaccinated children (breakthrough) in Marion County increased in August through early October after a period of relative stability, which was followed by a subsequent decrease that aligns with the general decreasing trend in cases. Additionally, child hospitalizations continue to remain low, as 13 children have been hospitalized between 7/4/21 to 12/4/21 after testing positive for COVID-19. **Please do not compare age groups as they have not been adjusted for differences in their respective population sizes (i.e. per capita rates). ** Generated 12/13/21. **Updated bi-weekly**

Cases in children (under 19) in Marion County by age group and zip code, 11/21/21 to 12/4/21 (onset), OPERA

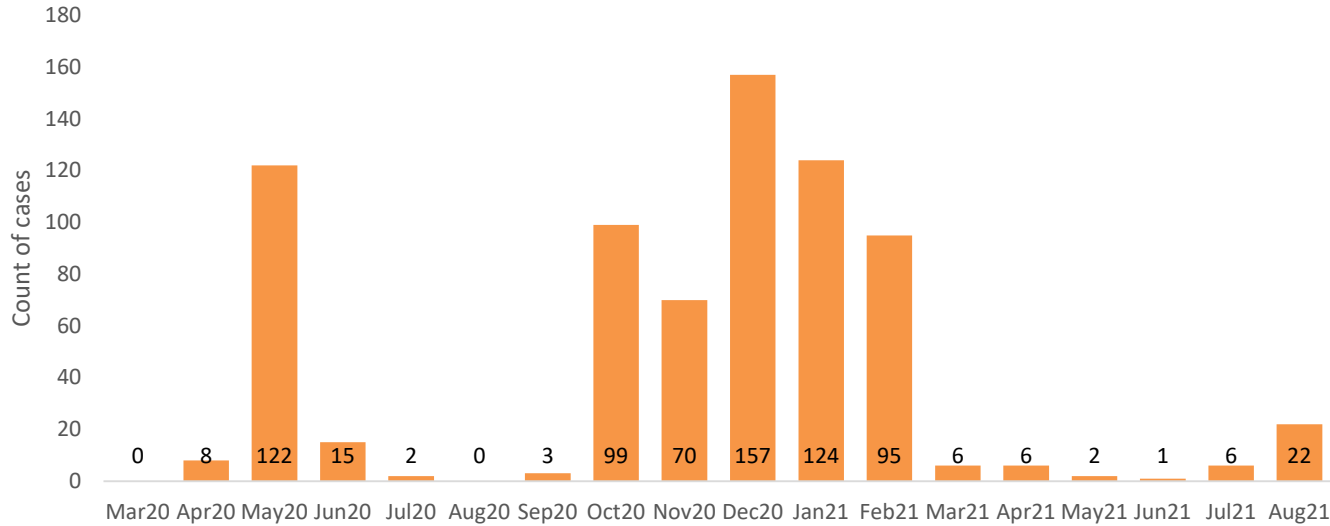


Cases in children (under 19) in Marion County by age group and zip code, 11/7/21 to 11/20/21 (onset), OPERA

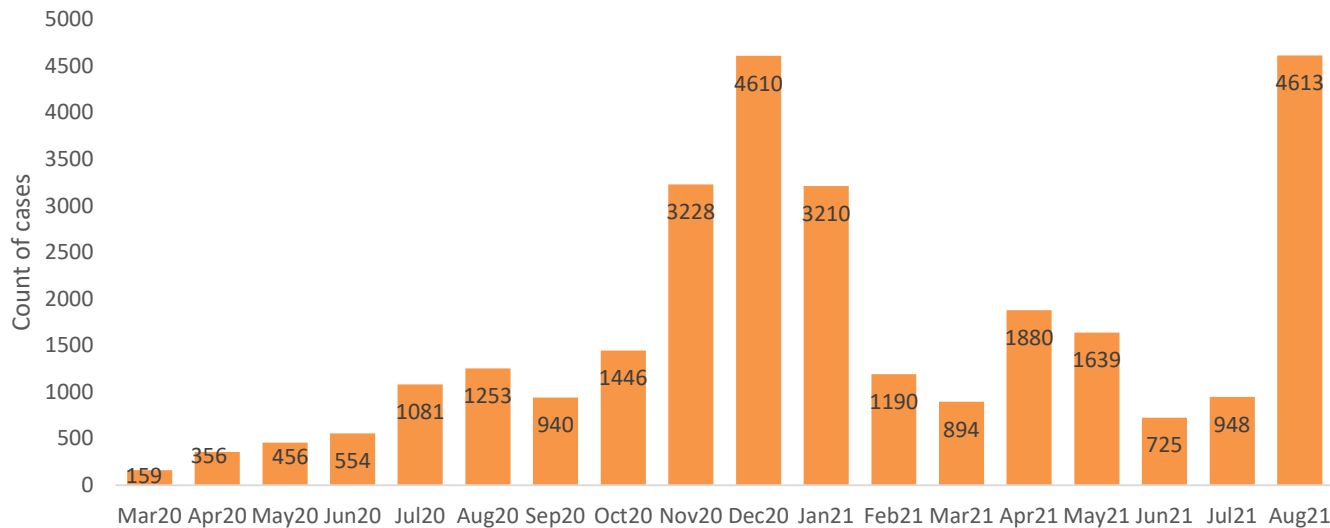


In general, child case counts have been stable across zip codes in Marion County compared to the previous two week time period. **Please do not compare age groups or zip codes to each other as they have not been adjusted for differences in their respective population sizes (i.e. per capita rates). ** Generated 12/13/21. **Updated bi-weekly**

Count of COVID-19 cases for persons in custody in Marion County, OPERA, 3/1/20 to 8/31/21

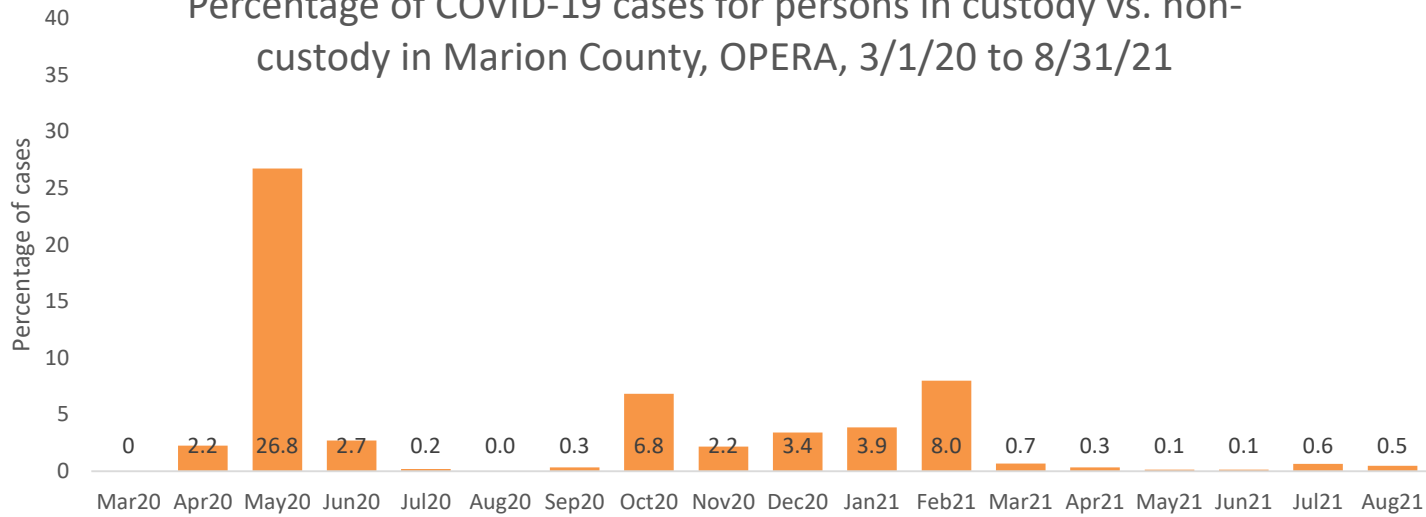


Count of COVID-19 cases in Marion County, OPERA, 3/1/20 to 8/31/21

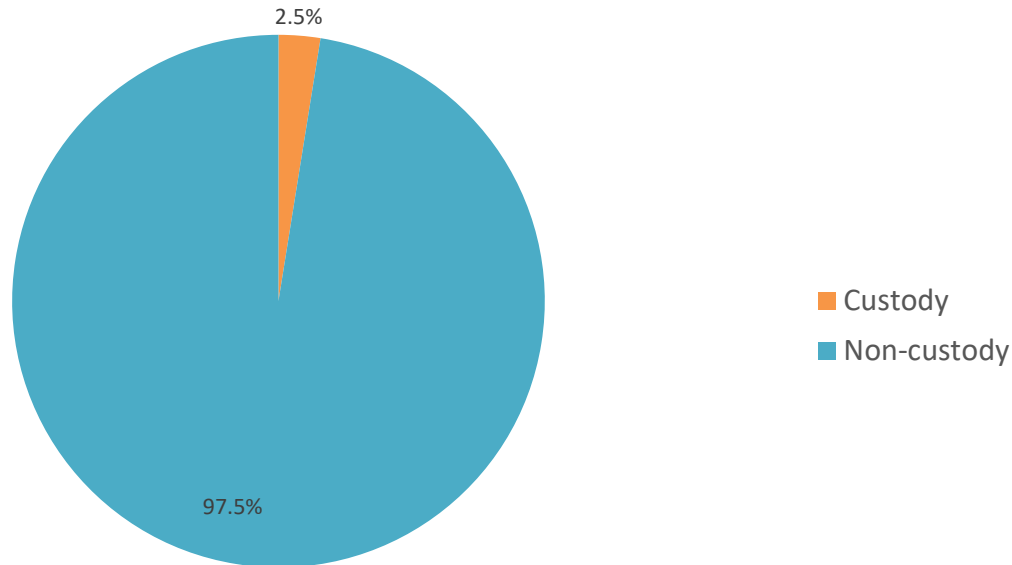


As of 8/31/21, 738 people in custody at State operated facilities in Marion County have had COVID-19. In May 2020, a large outbreak occurred at the Oregon State Pen, which followed a period of relative calm before becoming elevated again in the Fall/Winter of 2020. Cases in custody fell off sharply beginning in March 2021 and continued at low levels before rising again in August 2021 at the same time that the general community experienced a surge in cases due to the Delta variant. There were 29,182 total cases in Marion County as of 8/31/21, with an increasing trend of cases that peaked in Dec 2020 before falling off sharply in February 2021 and then rising again in April 2021 before falling off again into the summer months and then rising abruptly in August 2021 due to the Delta variant. Generated 9/5/21. **Updated monthly**

Percentage of COVID-19 cases for persons in custody vs. non-custody in Marion County, OPERA, 3/1/20 to 8/31/21



Percentage of COVID-19 cases for persons in custody vs. non persons in custody in Marion County, OPERA, 3/1/20 to 8/31/21



Since the beginning of the pandemic, the percentage of cases that were people in custody at State facilities was a relatively low proportion of the total cases reported, with the exception of May 2020, where 26.8% of all cases were in custody. Of all cases reported, people in custody represent 2.5% of the total cases in Marion County. Generated 9/5/21. ****Update monthly****