



Marion County
OREGON
Health & Human Services

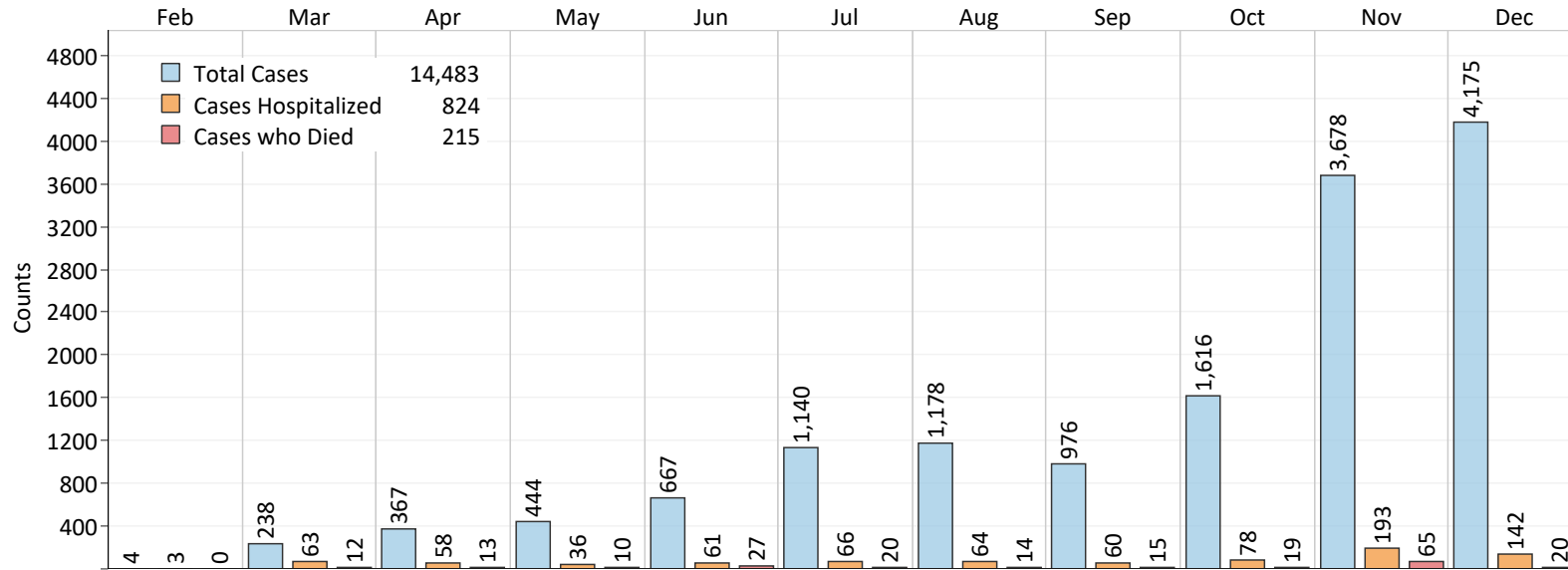
COVID-19 Data & Trends

January 5, 2021

Table of Contents

1. Infections, Hospitalizations & Deaths by Onset Date - Monthly Summary
2. Cases: Numbers and Trends
3. Hospitalizations: Numbers and Trends
4. Deaths: Numbers and Trends
5. Infection Trends by Source
6. Deaths by Infection Source and Case Fatality Rate
7. Distribution and Number of Deaths by Infection Source – Cumulative
8. County Risk Level Metrics
9. Cumulative Incidence Rate
10. Rate and Count of COVID-19 Sporadic Cases by Zip Code in Marion County per 100,000 population
11. Infections Due to Sporadic Transmission
12. Sporadic Transmission: Weekly Case Counts and Trends
13. Rate of Sporadic Transmission by Area
14. Distribution of Cases, Hospitalizations and Deaths by Infection Source
15. Percentage of COVID-19 Cases in Marion County by Source of Infection
16. Percentage of COVID-19 Cases in Oregon by Source of Infection
17. Percentage of COVID-19 Cases Associated with an Outbreak by Type of Facility in Marion County
18. Percentage of COVID-19 Cases Associated with an Outbreak by Type of Facility in Marion County (Pie Chart)
19. Percentage of COVID-19 Deaths in Marion County with Underlying Medical Conditions
20. Percentage of COVID-19 Deaths in Marion County by the Number of Underlying Medical Conditions Present at Time of Death
21. Rate and Count of COVID-19 Cases by Race & Ethnicity in Marion County
22. Rate and Count of COVID-19 Hospitalizations by Race & Ethnicity in Marion County
23. Rate and Count of COVID-19 Deaths by Race & Ethnicity in Marion County

Infections, Hospitalizations & Deaths by Onset Date - Monthly Summary



Proportion of cases that result in severe outcomes (hospitalizations or deaths), by month and over the course of the pandemic.

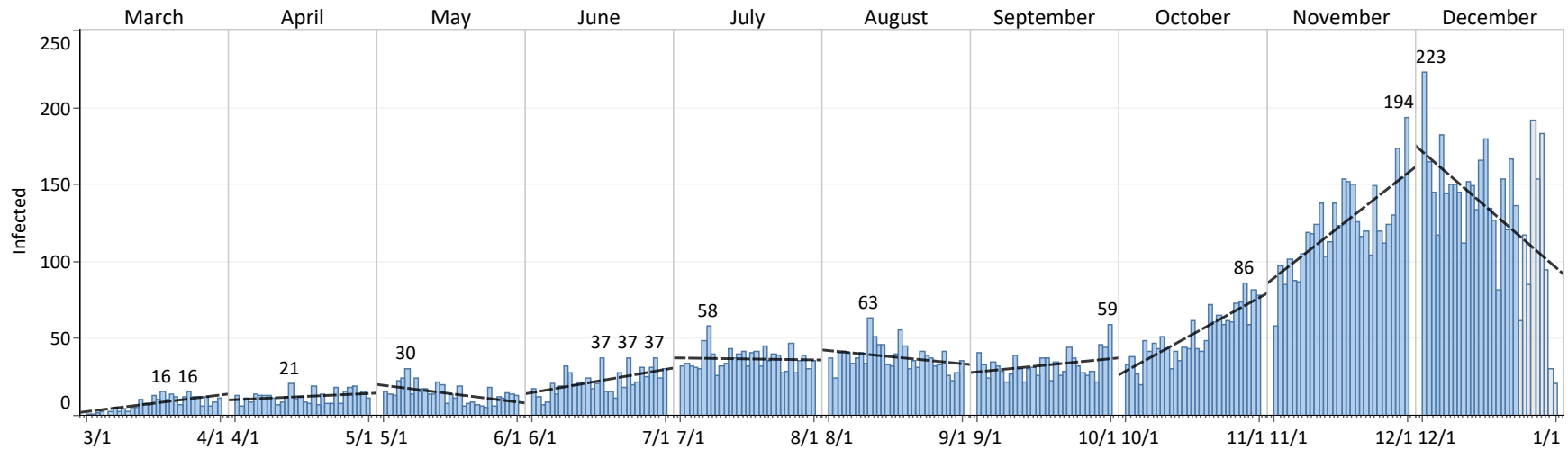
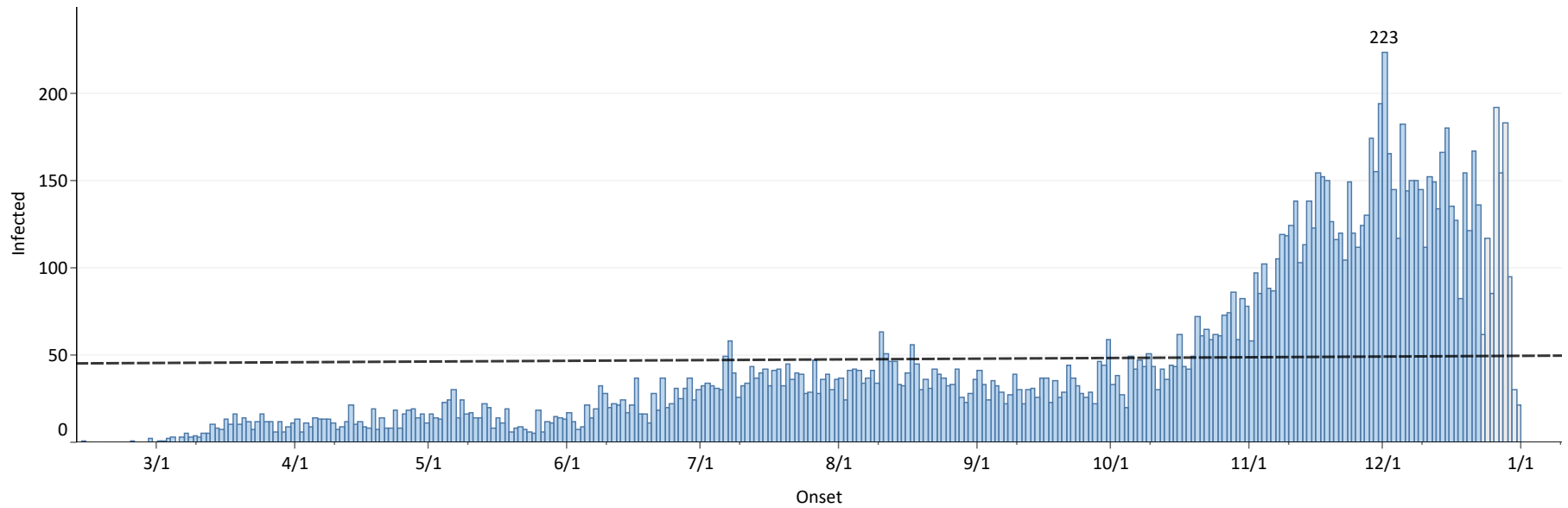
	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Grand Total
Case Hospitalized Rate	75.0%	26.5%	15.8%	8.1%	9.1%	5.8%	5.4%	6.1%	4.8%	5.2%	3.4%	5.7%
Case Fatality Rate	0.0%	5.0%	3.5%	2.3%	4.0%	1.8%	1.2%	1.5%	1.2%	1.8%	0.5%	1.5%

Proportion per month of infections, hospitalizations, and deaths across the course of the pandemic.

	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Grand Total
Cases	0%	2%	3%	3%	5%	8%	8%	7%	11%	25%	29%	100%
Hospitalized	0%	8%	7%	4%	7%	8%	8%	7%	9%	23%	17%	100%
Deaths	0%	6%	6%	5%	13%	9%	7%	7%	9%	30%	9%	100%

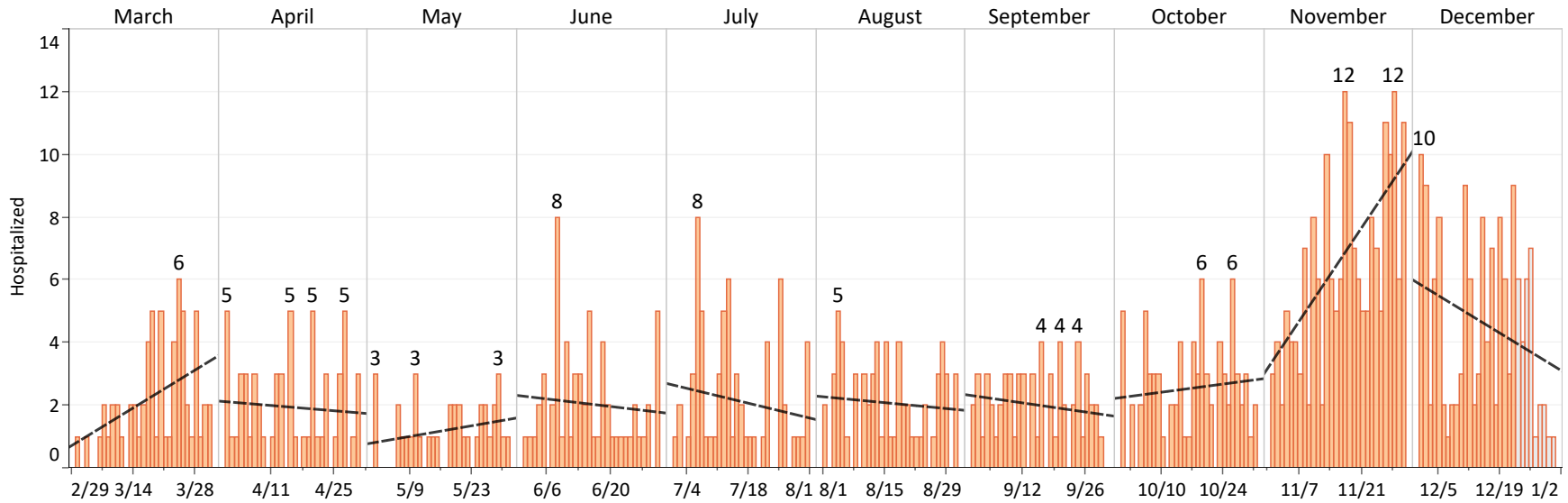
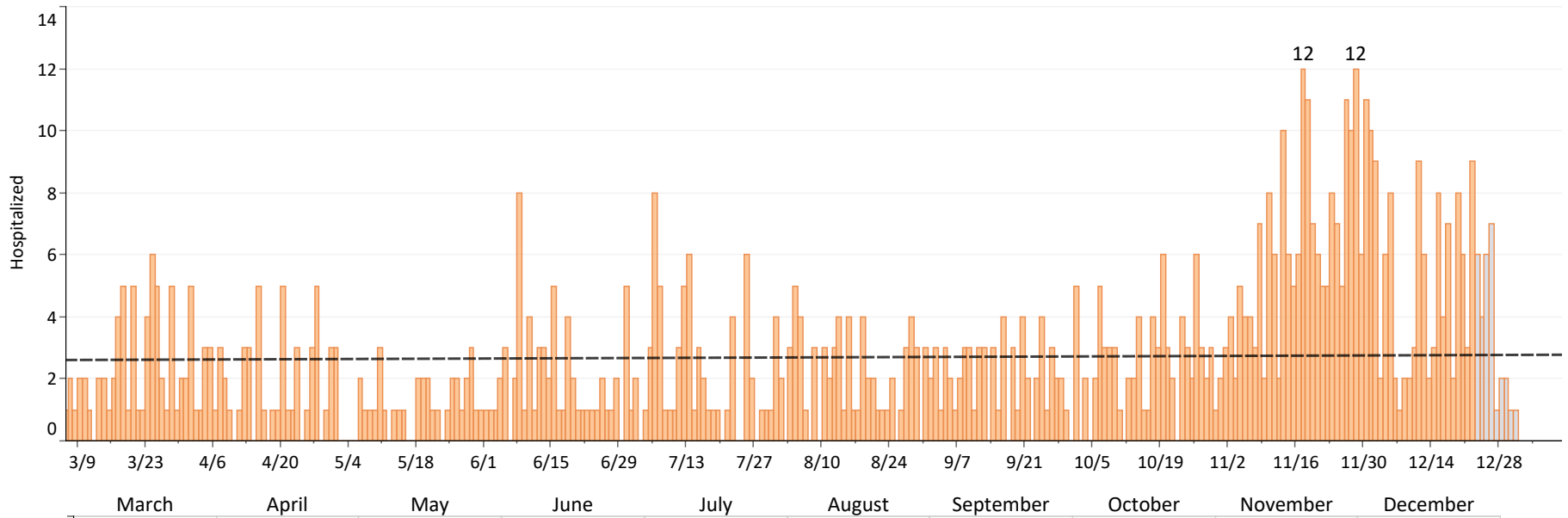
This page shows how the level of infection and severity of COVID-19 is progressing in the county, summarized by month, so as to show broad trends.

Cases: Numbers and Trends



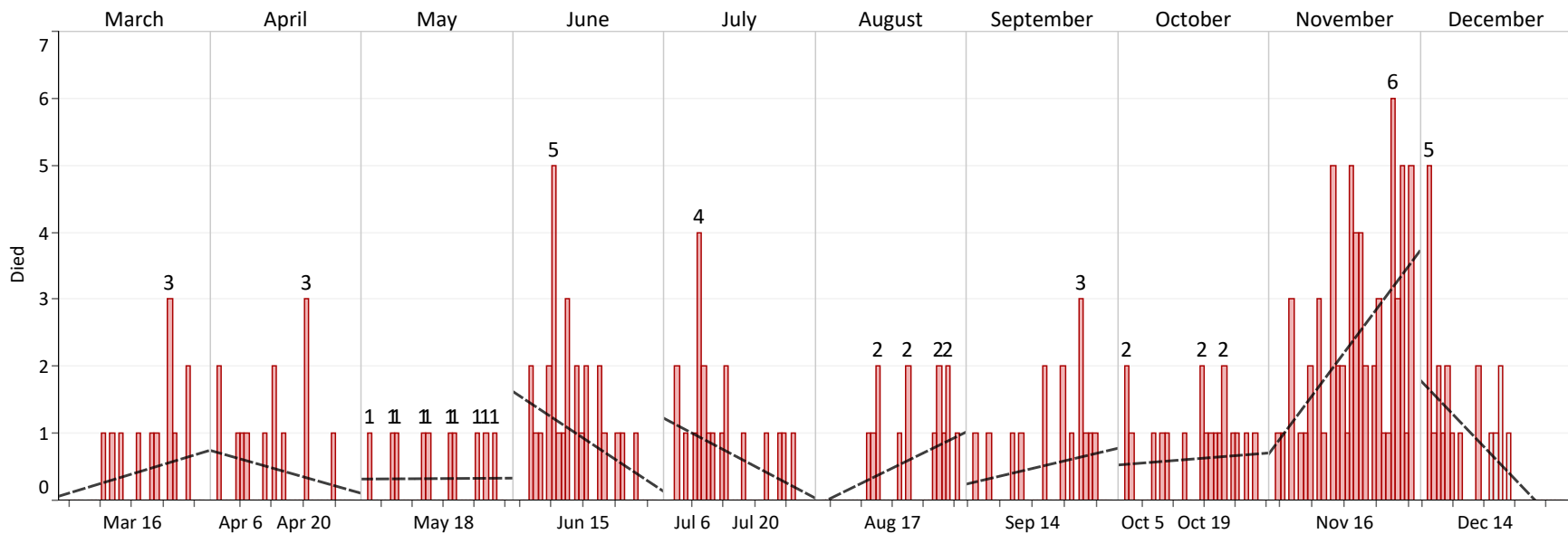
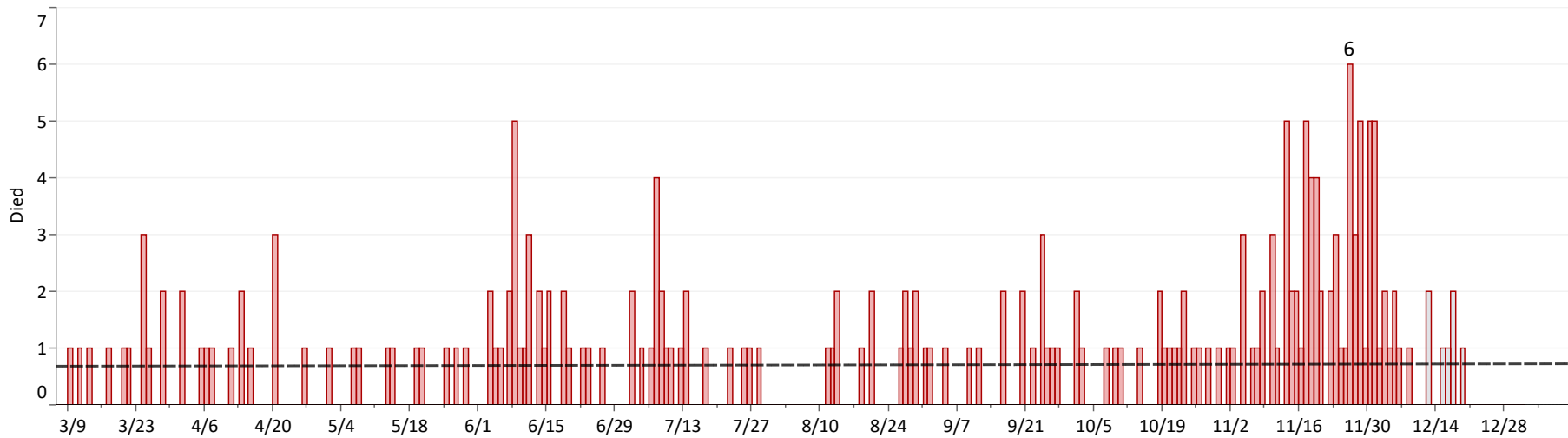
Two views of the number of infections over time by date of symptom onset: the top chart show the number of infections for each day, along with a single trend line over the local pandemic period. Counts of infections over the last week are provisional and are denoted by shading. The bottom chart shows how the trend changes by month.

Hospitalizations: Numbers and Trends



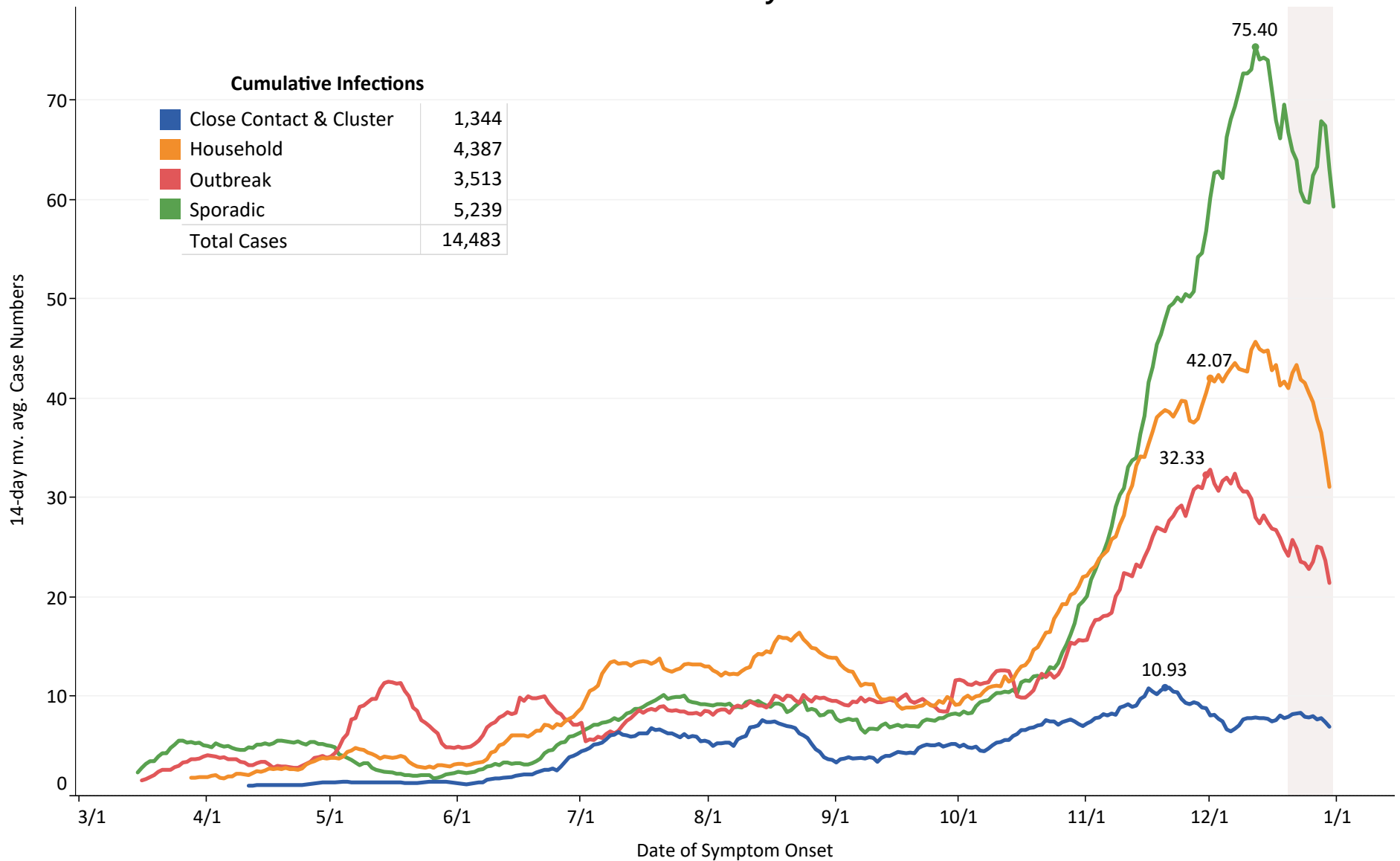
Two views of the number of hospitalizations over time by date of symptom onset: the top chart show the number of cases hospitalized each day, along with a single trend line over the local pandemic period. The grey bars indicate the dates where data is likely incomplete. The bottom chart shows how the trend changes by month.

Deaths: Numbers and Trends



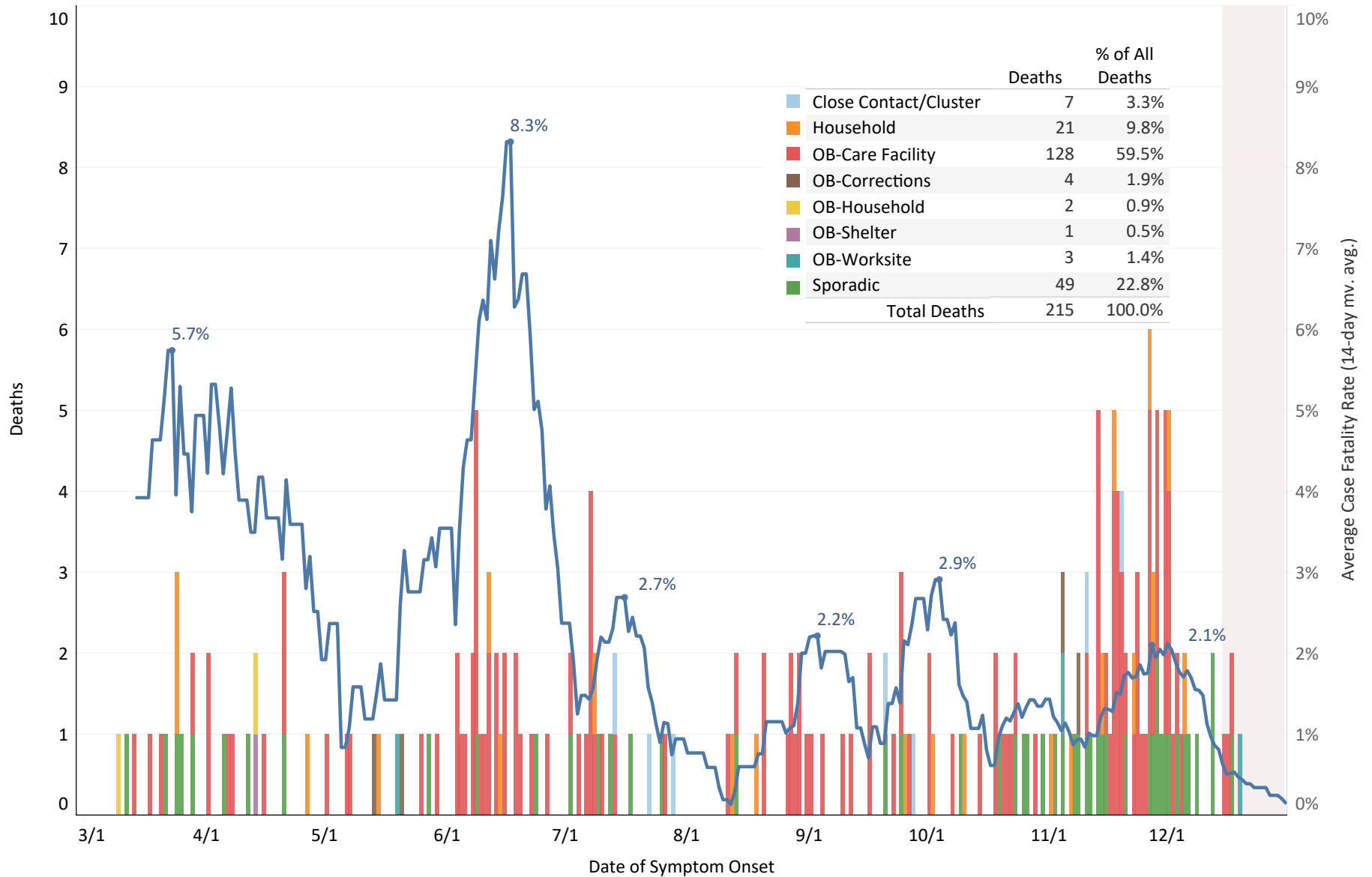
Two views of the number of fatal cases over time by date of symptom onset: the top chart show the number of cases who died each day, along with a single trend line over the local pandemic period. The grey bars indicate the dates where data is likely incomplete. The bottom chart shows how the trend changes by month.

Infection Trends by Source



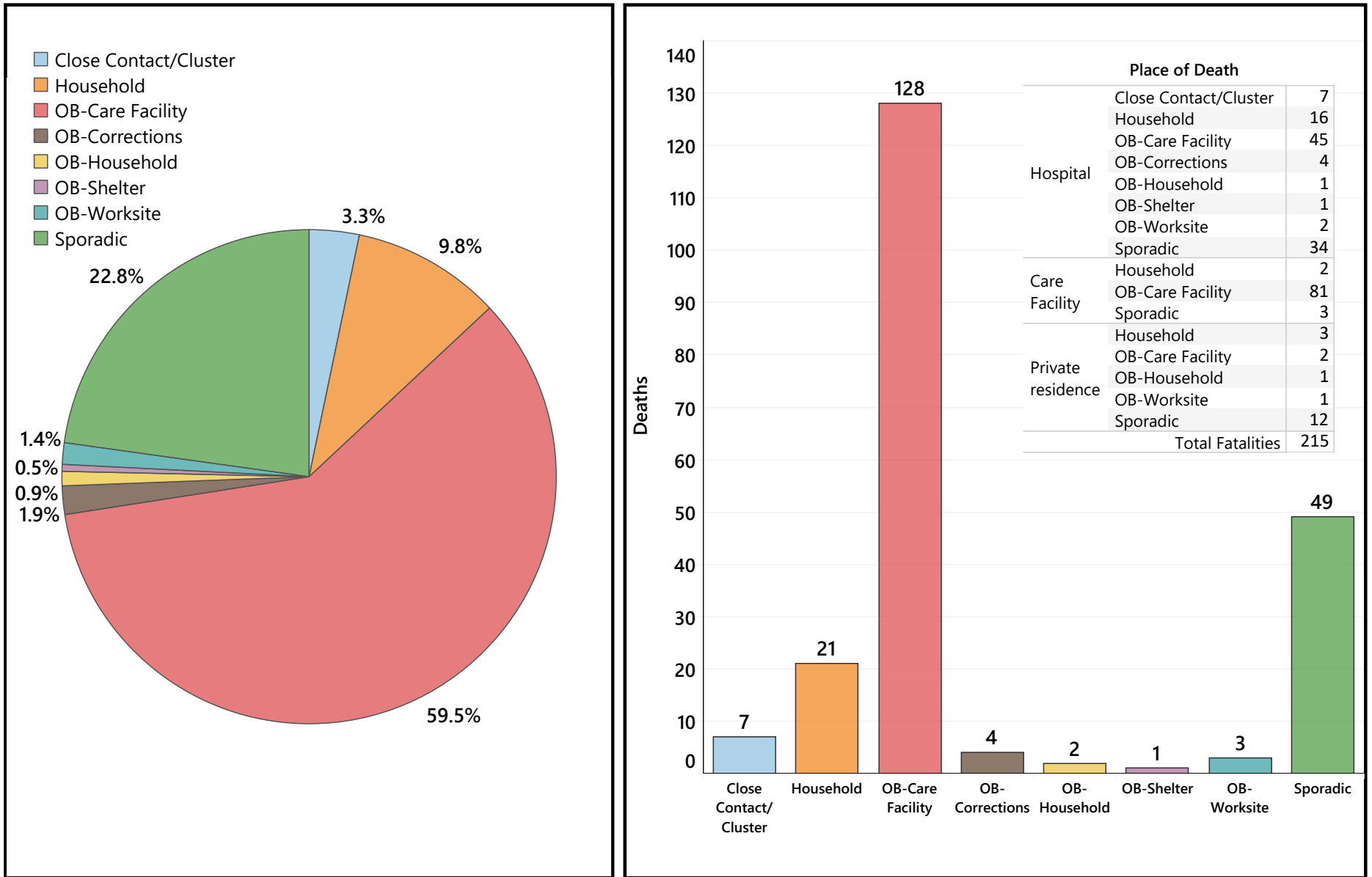
This chart shows the four general sources of infection and their trends using a 14-day moving average, where the dates reflect the date of symptom onset. The shaded bar indicates the date interval where data is likely incomplete. Usually sporadic transmission, while high during recent weeks, declines over time as contact tracing supplies an infection source.

Deaths by Infection Source and Case Fatality Rate



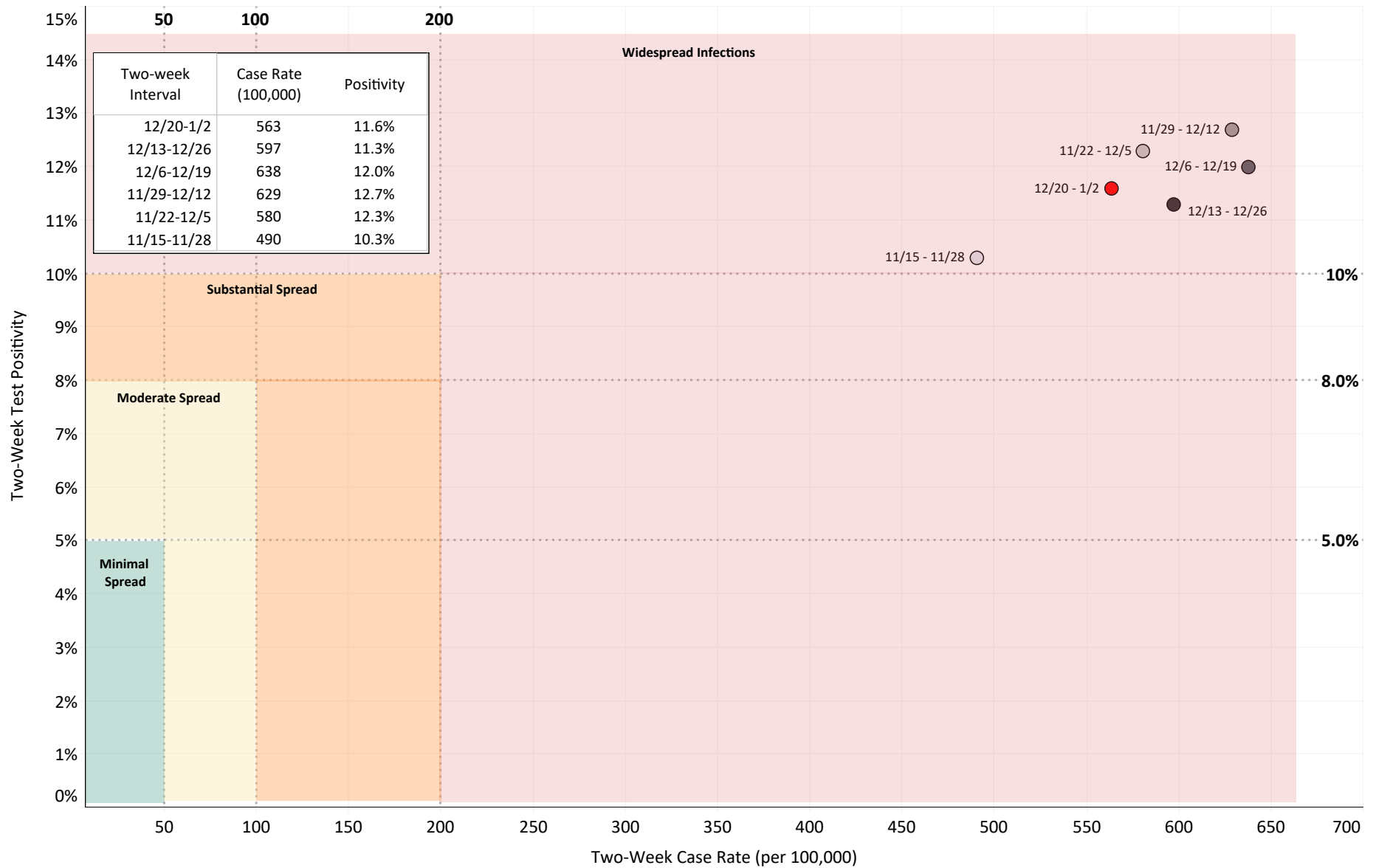
This chart shows the relationship between cases and deaths via the case fatality rate and the infection source of deaths over time. The table displays the number of deaths from each infection source and its share of fatalities. The shaded bar indicates the date interval where data is likely incomplete.

Distribution and Number of Deaths by Infection Source-Cumulative



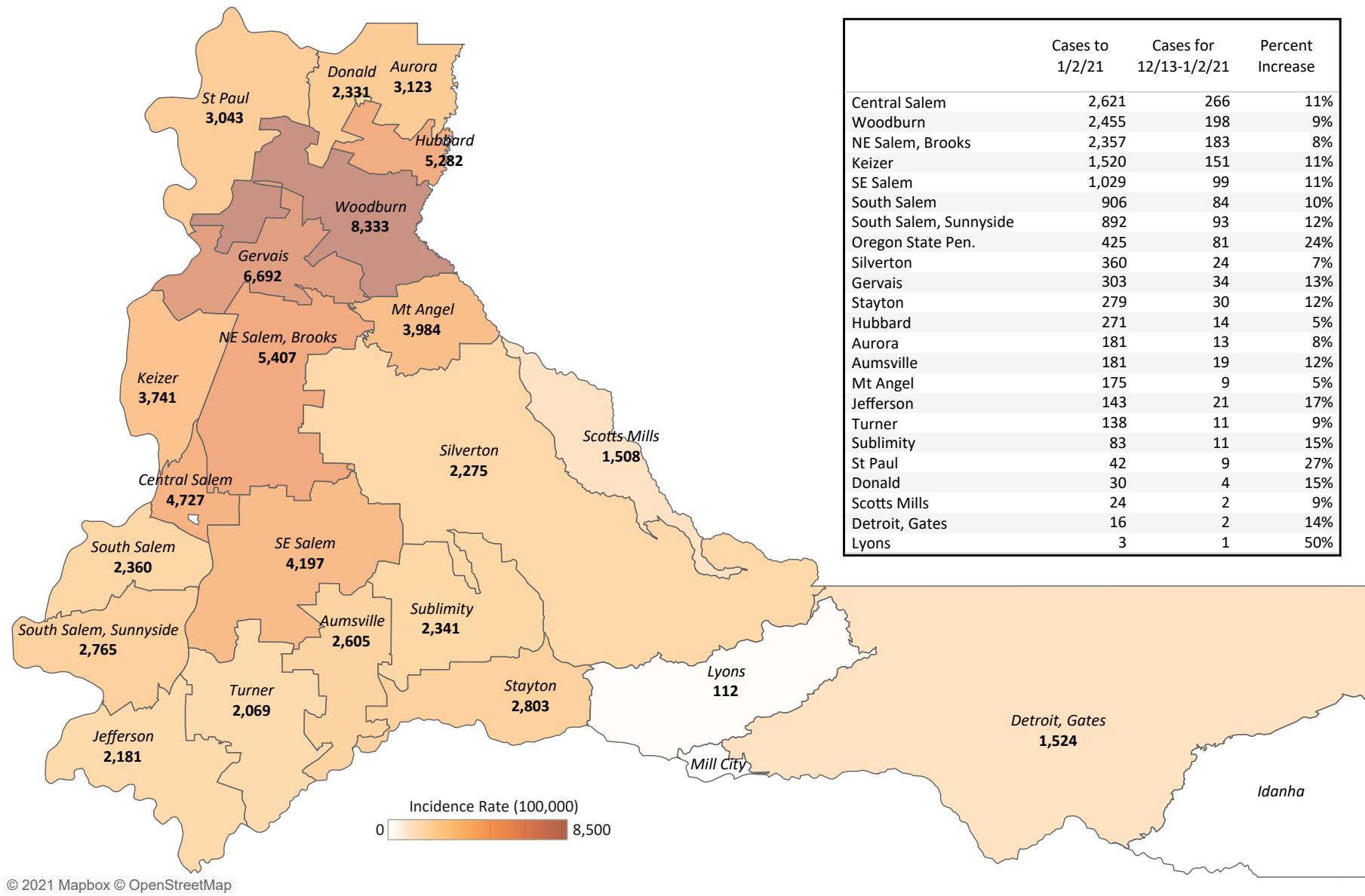
These two charts display the cumulative counts and percentages of deaths by source of infection. Also listed are the number of deaths, by place of death, for each source. Note: OB is an outbreak.

County Risk Level Metrics



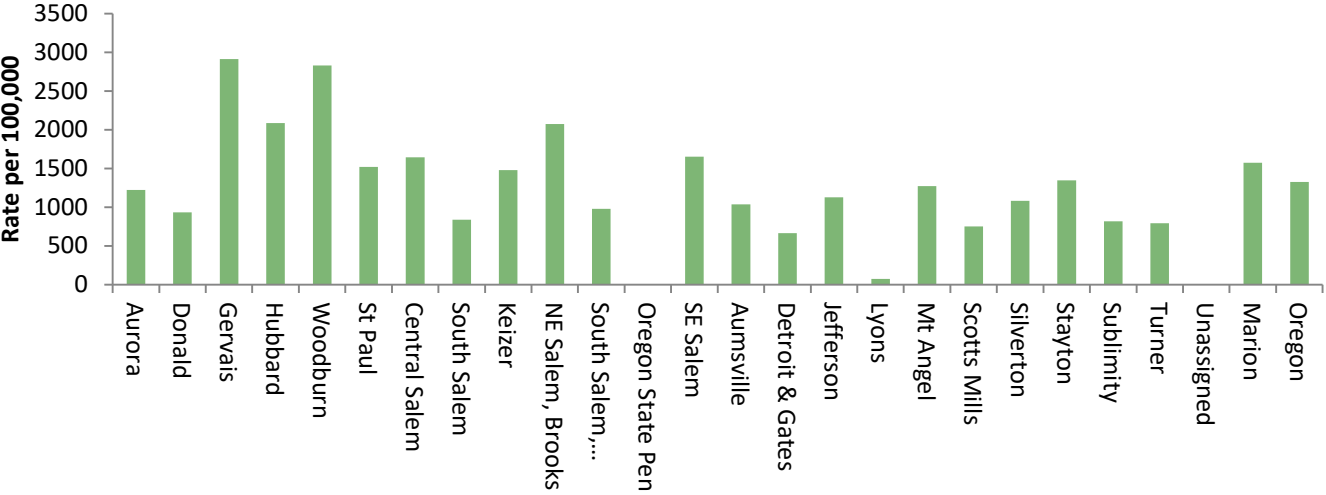
This diagram tracks the changes in the two metrics associated with County Risk Level determinations: the test-based positivity and the number of case per 100,000, both of which are calculated over a two week period (Sunday-Saturday). The current values suggest that Marion County will not have a reduced risk level next week.

Cumulative Incidence Rate for All Sources of Infection

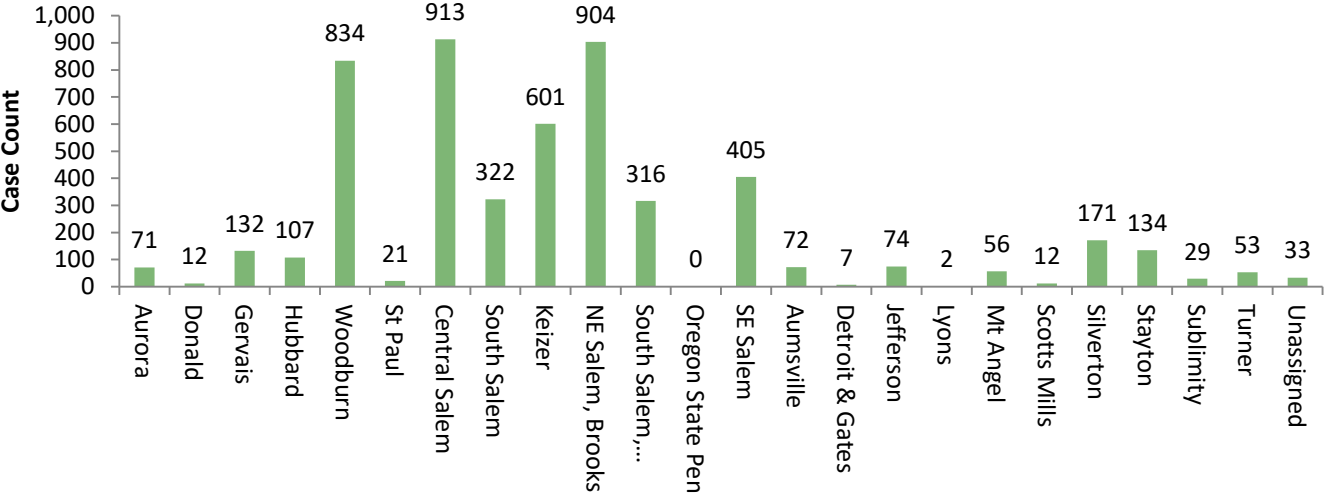


This map displays the cumulative number of cases per 100,000 by geographic area, highlighting areas of high infection rates. The percent increase value in the table is to help show how infection transmission is changing in the near term. Dates reflect symptom onset date.

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

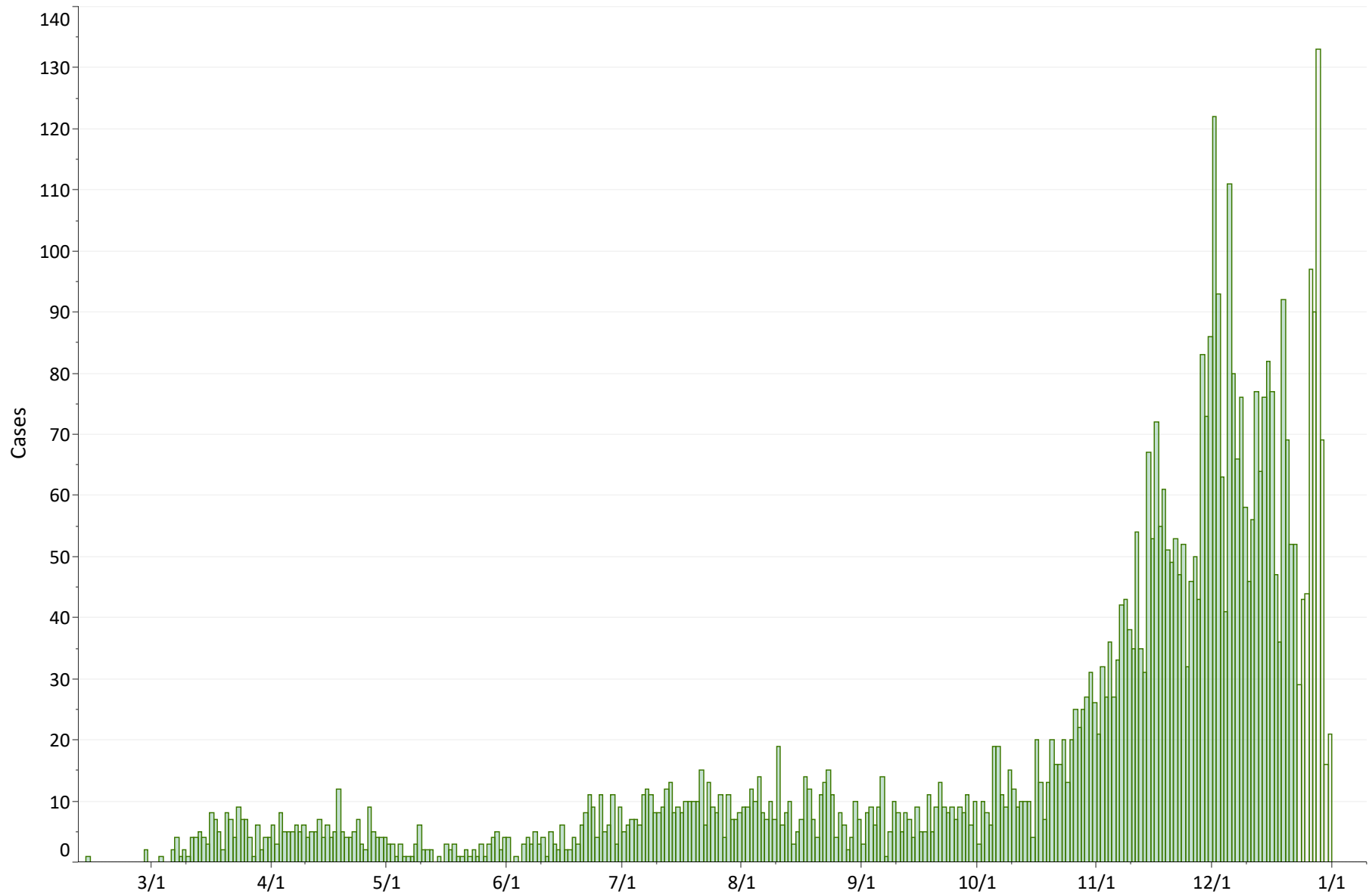


Count of COVID-19 sporadic cases by zip code in Marion County (N=5,281), 1/1/20 - 1/3/21, ORPHEUS & Census Bureau



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 was highest in “North County” zip codes (Woodburn, Gervais, Hubbard, and NE Salem/Brooks). Of note, the sporadic case rate is 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, and NE Salem Brooks zip codes. Generated 1/3/21. ****Updated bi-weekly****

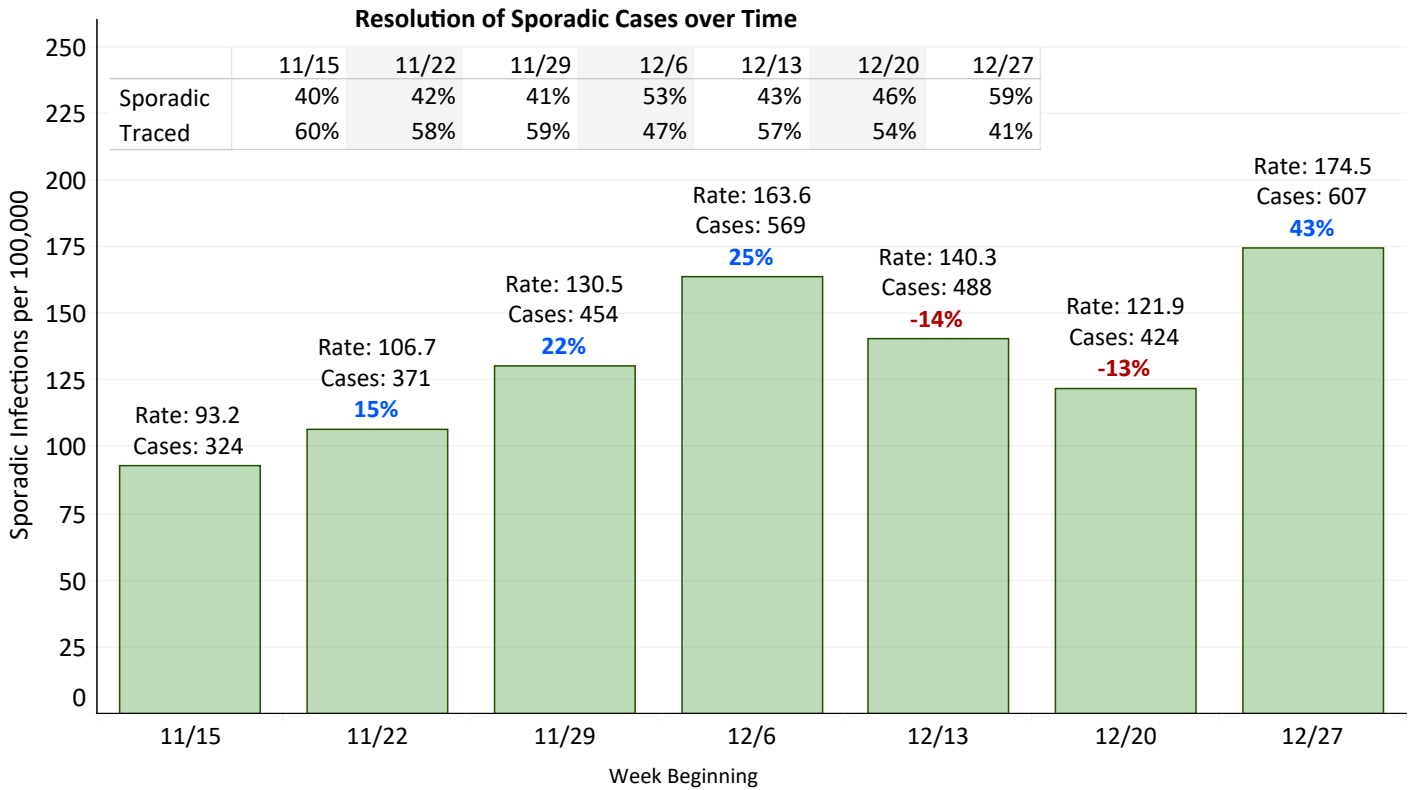
Infections Due to Sporadic Transmission



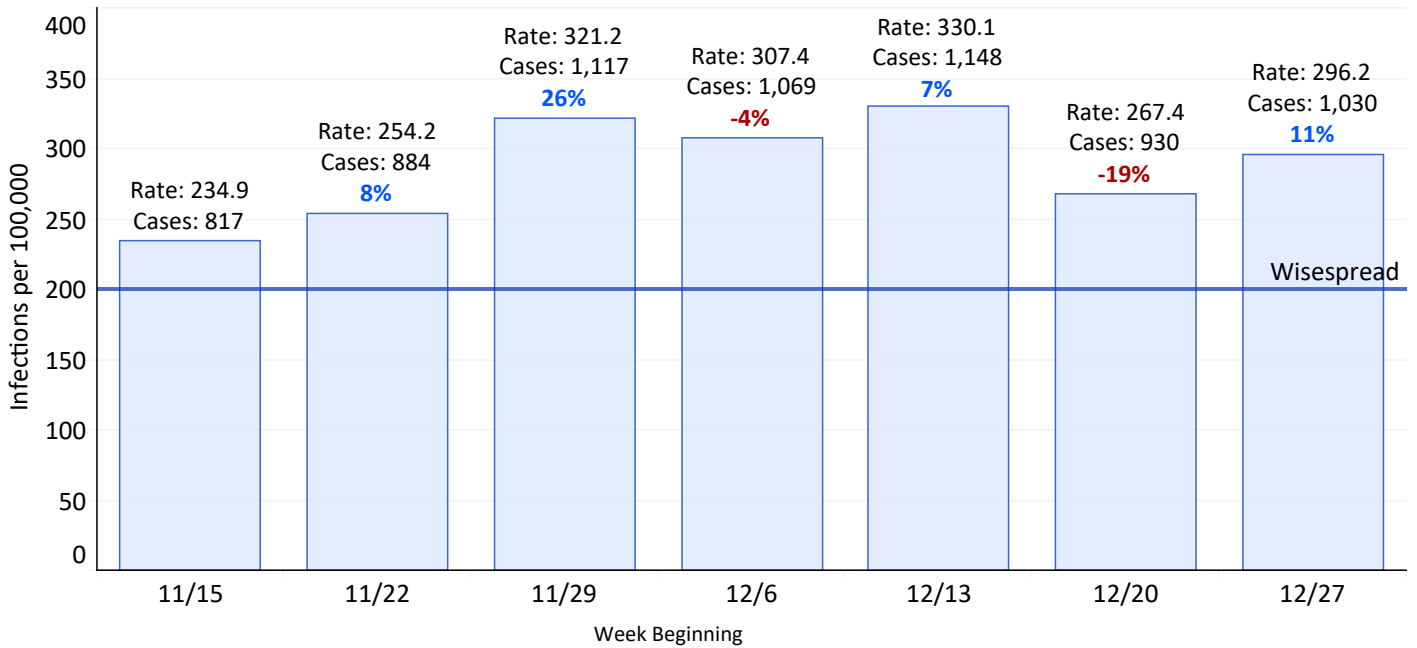
Sporadic cases are infections that have *not* been traced to a source. This chart shows the number of cases due to sporadic infection by symptom onset date over the period of the pandemic. The grey bars indicates the date interval where case investigation will likely reduce the sporadic counts by identifying an infection source.

Impact of Sporadic Transmission: Weekly Case Counts and Trends

Sporadic Case Rate and Counts

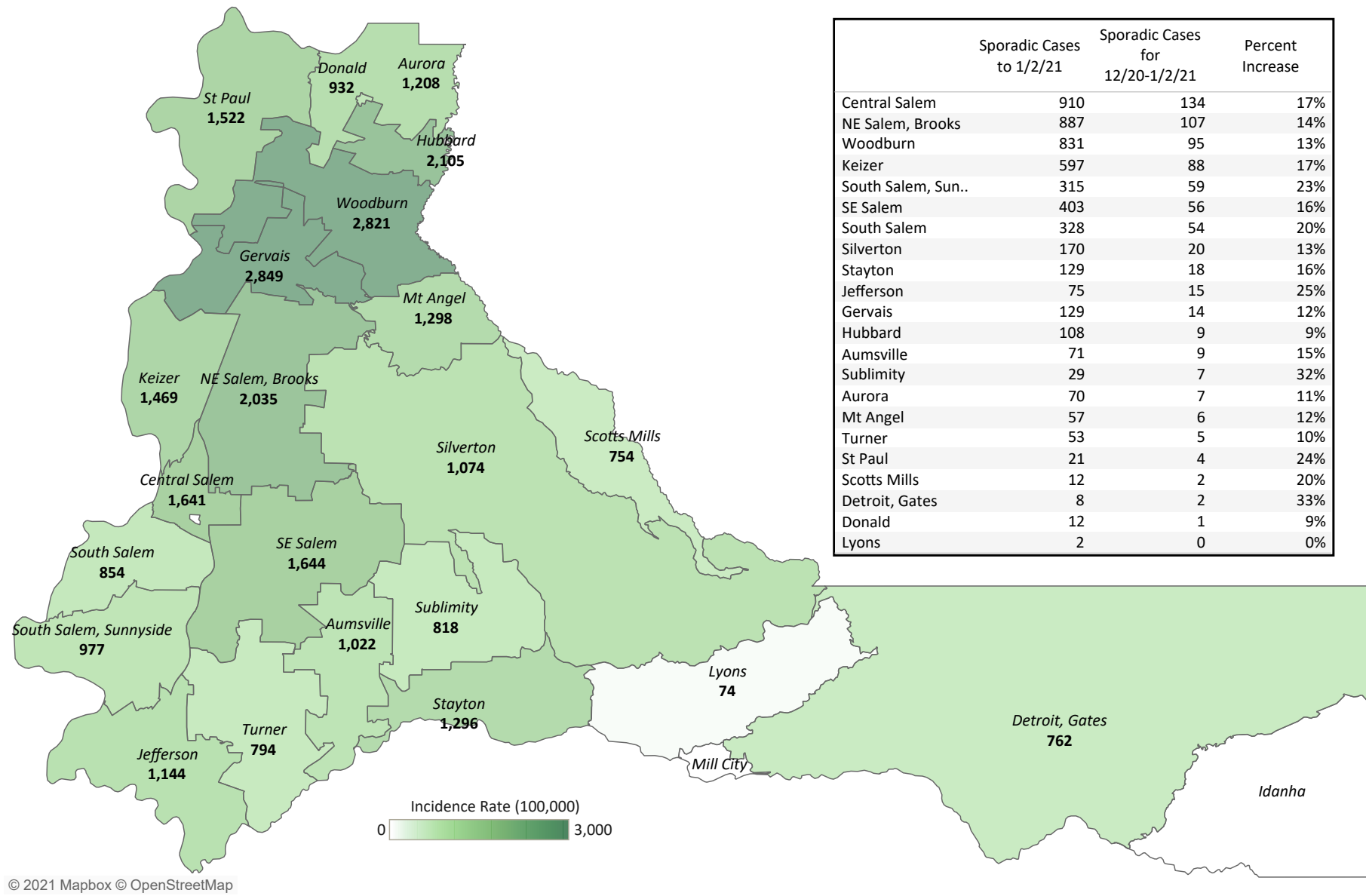


All Case Rate and Counts



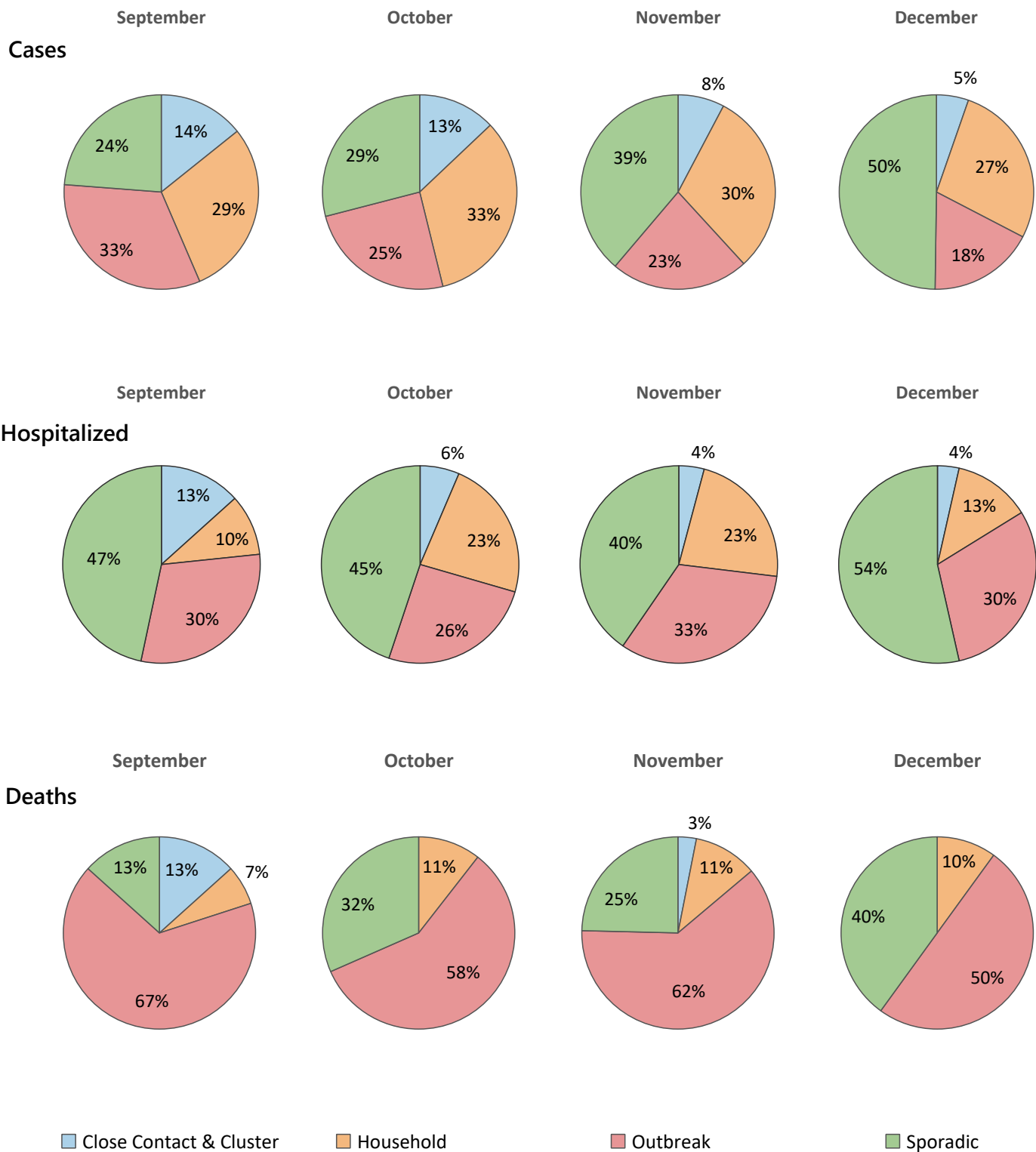
The upper chart tracks the weekly count of, and percent change, in sporadic (untraced) cases. The lower charts provides the same information for all cases, traced and untraced. All dates are the true case dates. Recent sporadic case counts will likely decline over time as cases are investigated.

Cumulative Incidence Rate for Sporadic Infections



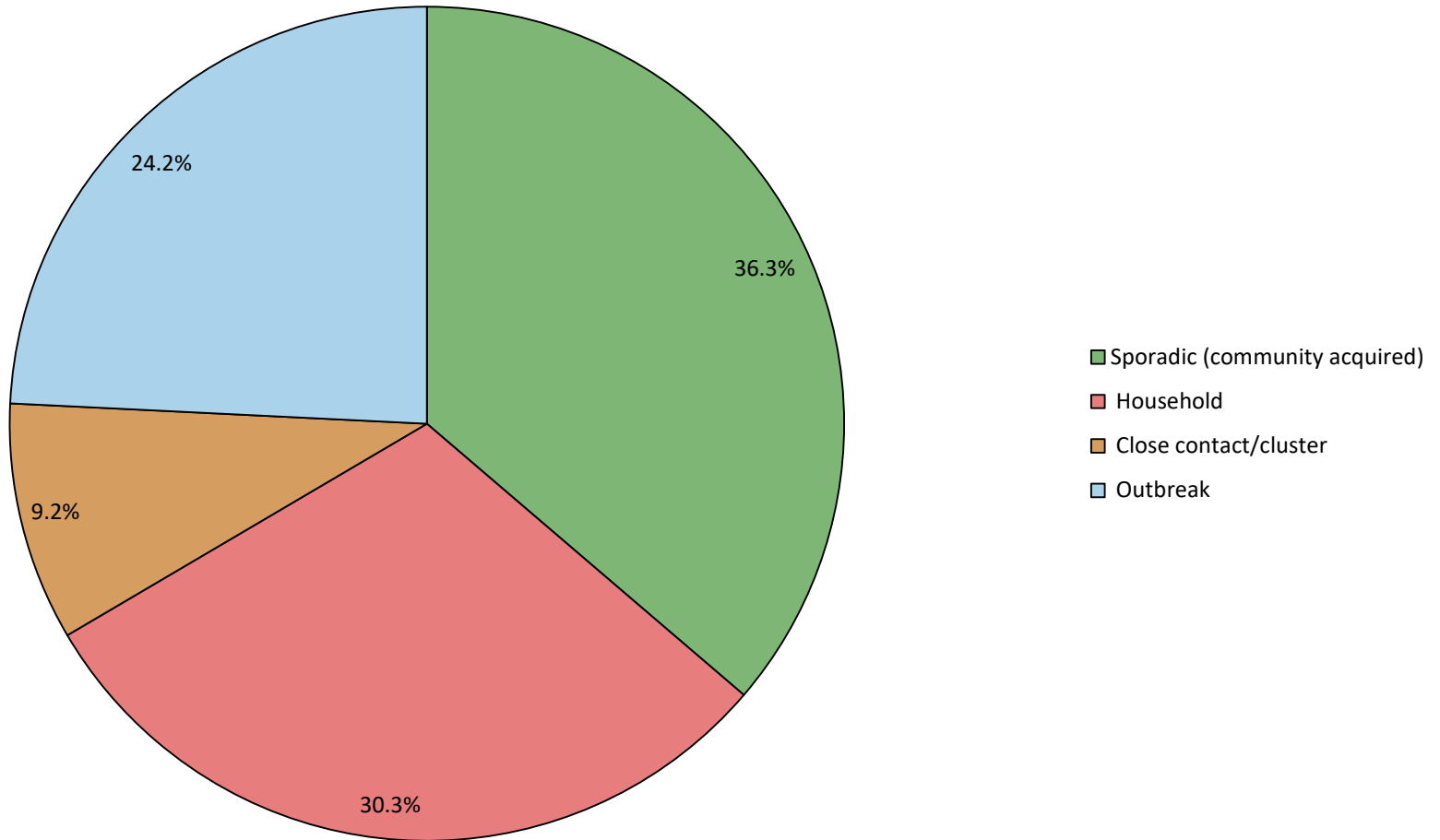
This map displays the cumulative number of cases per 100,000 by geographic area, highlighting areas of high infection rates. The percent increase value is displayed in the table to help show how infection transmission is changing in the near term. Dates reflect symptom onset date.

Distribution of Cases, Hospitalizations and Deaths by Infection Source



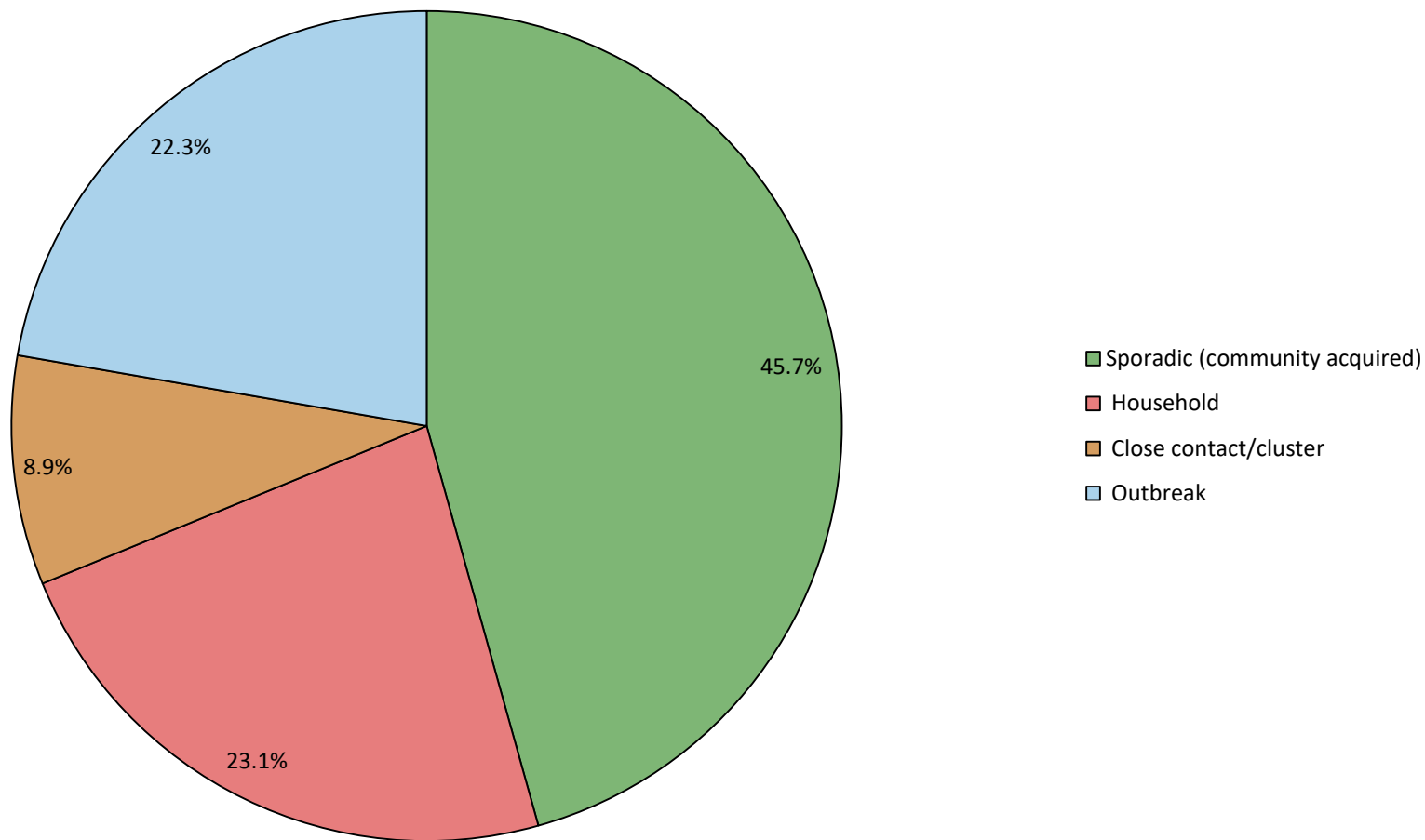
The above charts display the monthly distribution by infection source for cases, hospitalizations and deaths over the past four months. The month is assigned by date of symptom onset.

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



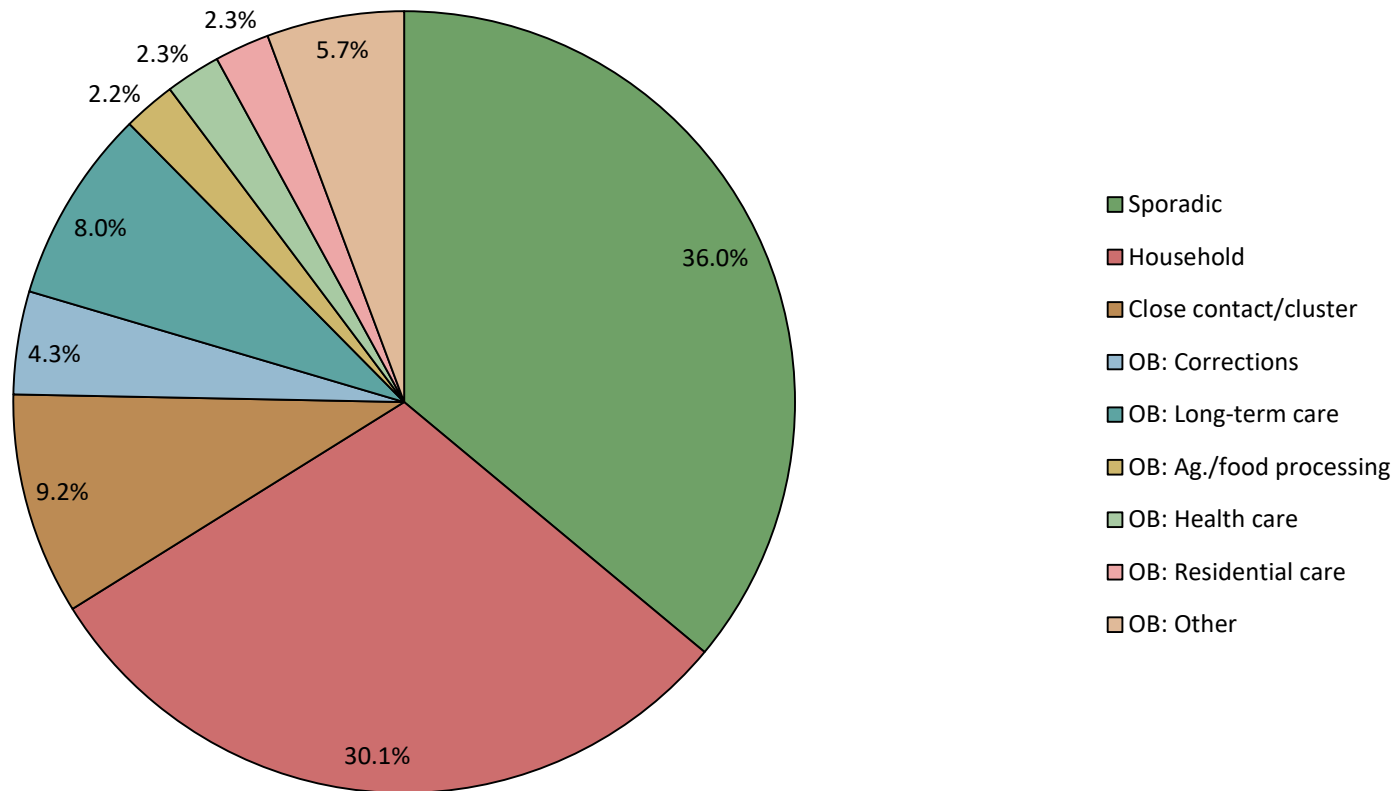
This slide shows the breakdown of infection source for COVID-19 cases in Marion County. The most common type of infection source in Marion is sporadic transmission (community acquired) (36.3%), followed by household (30.3%). **It is important to note that this figure should not be directly compared to 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 1/3/21. 15
Updated bi-weekly

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



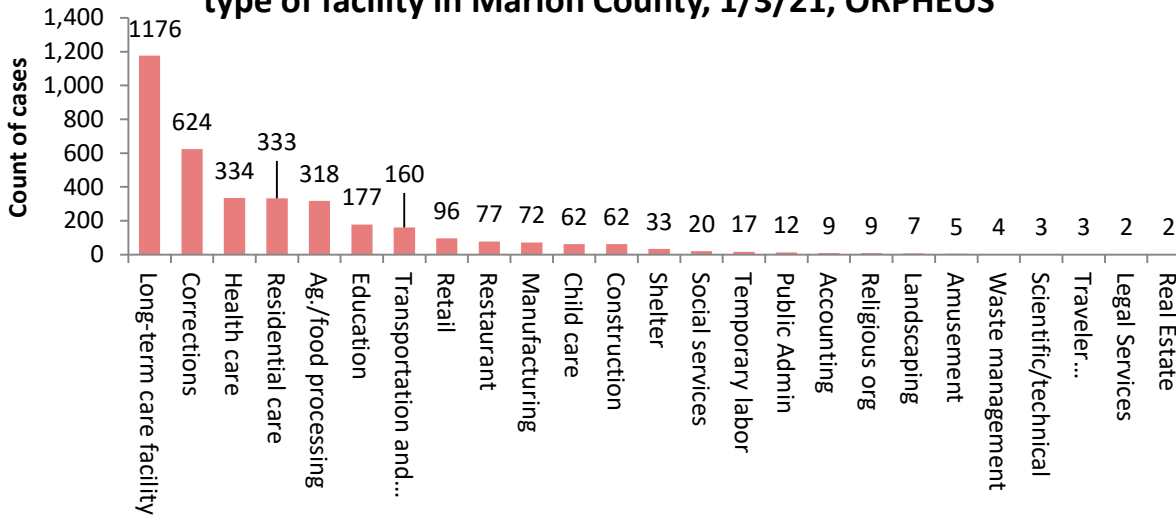
This slide shows the percentage of COVID-19 cases by the likely source of infection in Oregon. In Oregon, the most common source of infection for COVID-19 cases are sporadic (45.7%), or that they cannot be ascertained, these are said to be “community acquired”. The second most common source is households (23.1%), followed by outbreaks (22.3%). **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 1/3/21. **Updated bi-weekly**

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

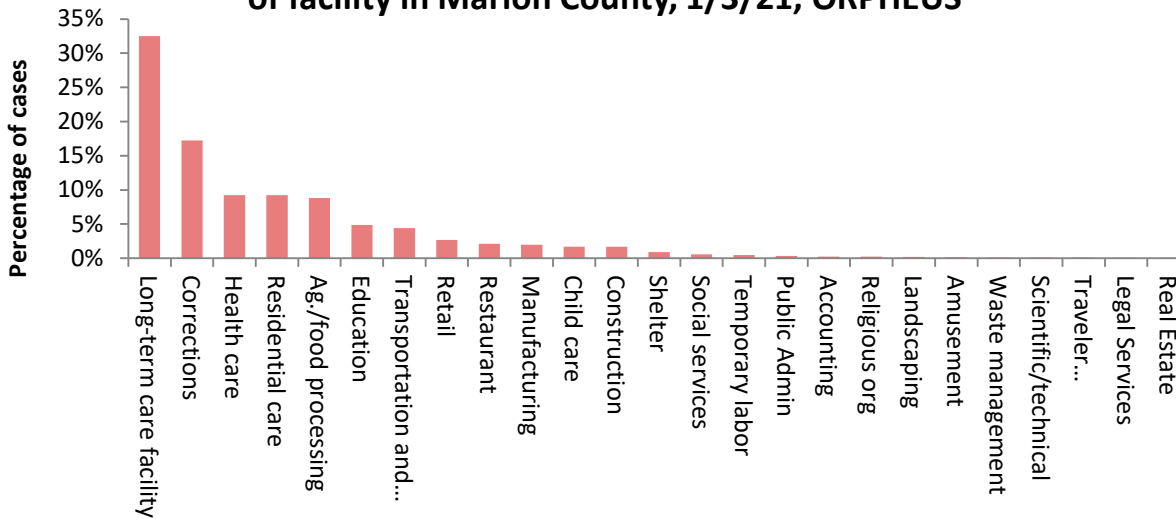


This slide shows the overall summary of source of COVID-19 illness in Marion County with a further breakdown of outbreaks. OB = outbreaks. Generated 1/3/21. **Updated bi-weekly**

Count of COVID-19 cases (N=3,617) associated with an outbreak by type of facility in Marion County, 1/3/21, ORPHEUS

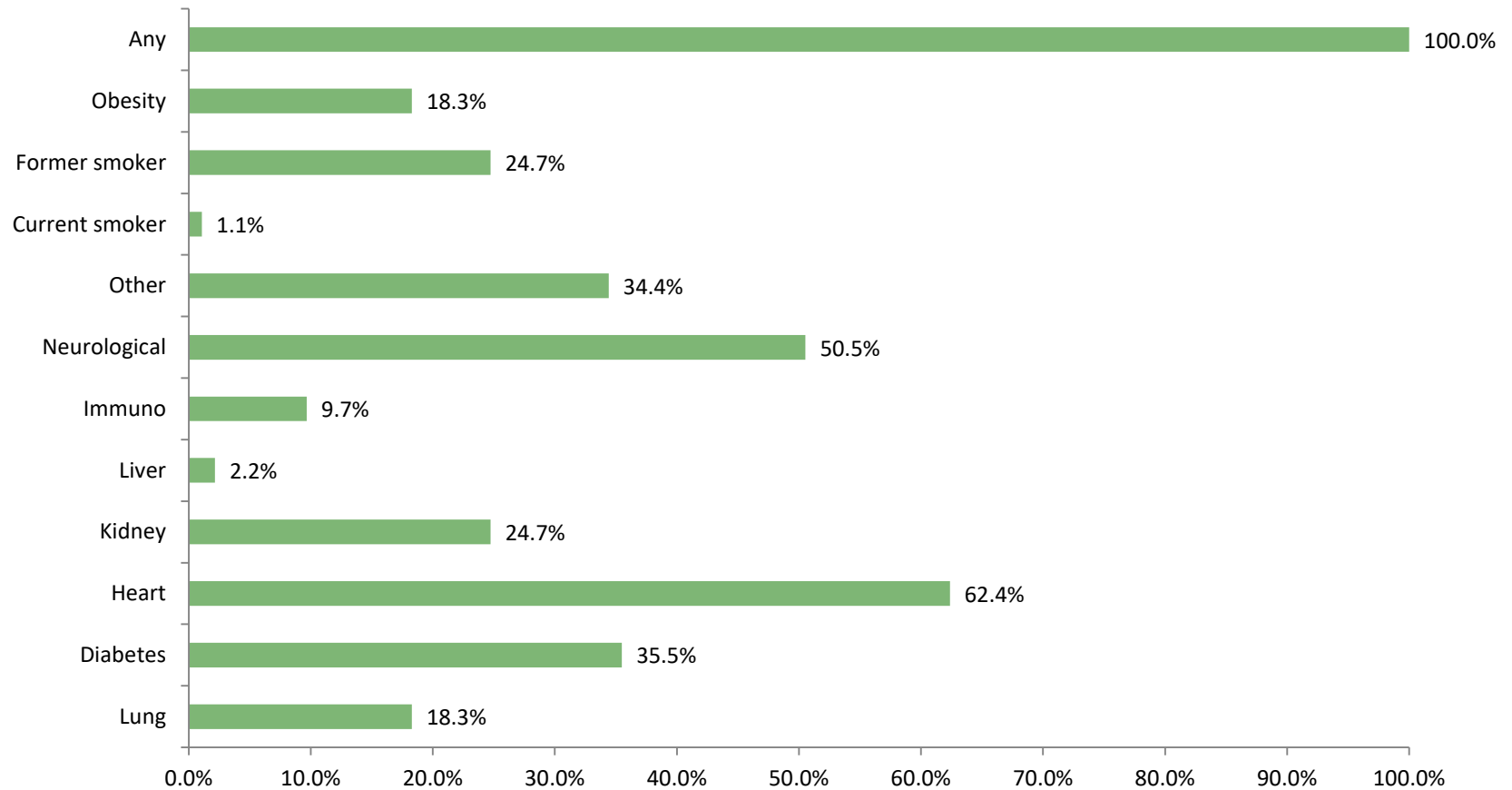


Percentage of COVID-19 cases associated with an outbreak by type of facility in Marion County, 1/3/21, ORPHEUS



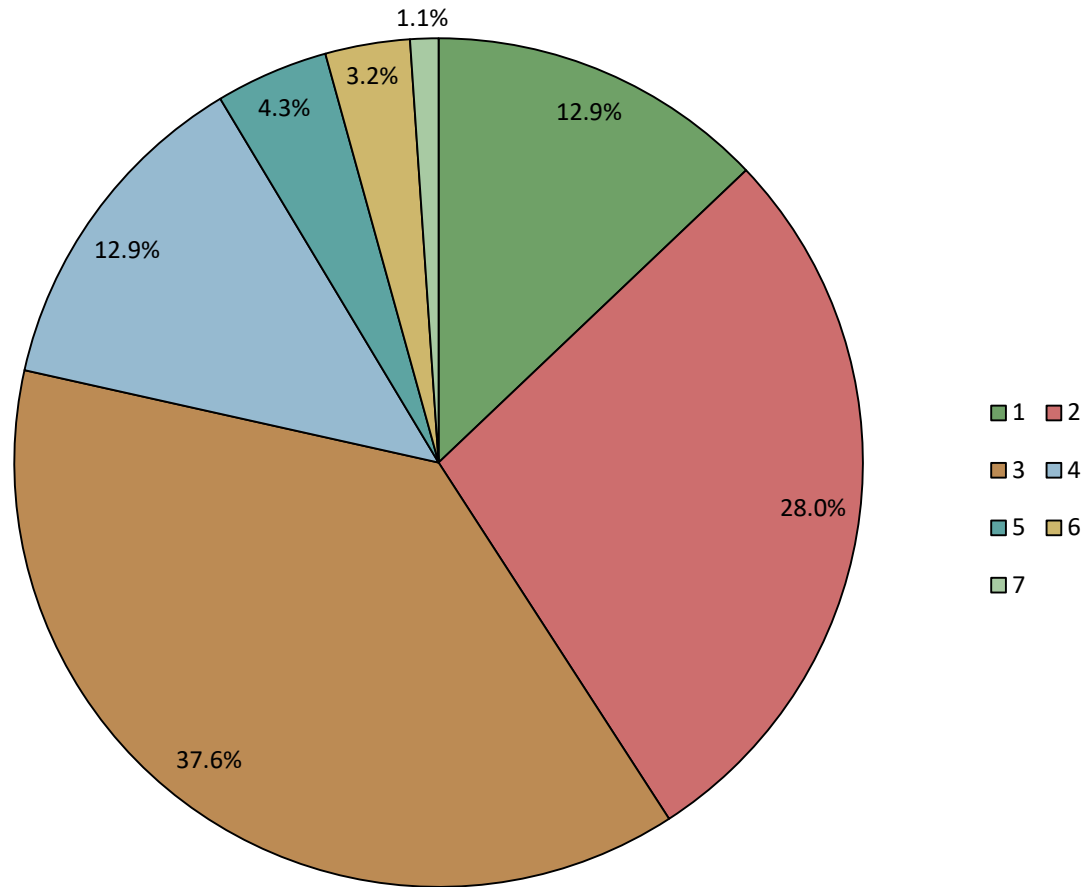
This slide shows the percentage and count of COVID-19 cases by type of outbreak facility in Marion County. The most common source of outbreaks were at long-term-care-facilities (LTCF) (32.5%), followed by corrections (17.3%), and health care (9.2%).
Generated 1/3/21.
Updated bi-weekly

Percentage of COVID-19 deaths in Marion County with underlying medical conditions (N=93), ORPHEUS, 9/27/20



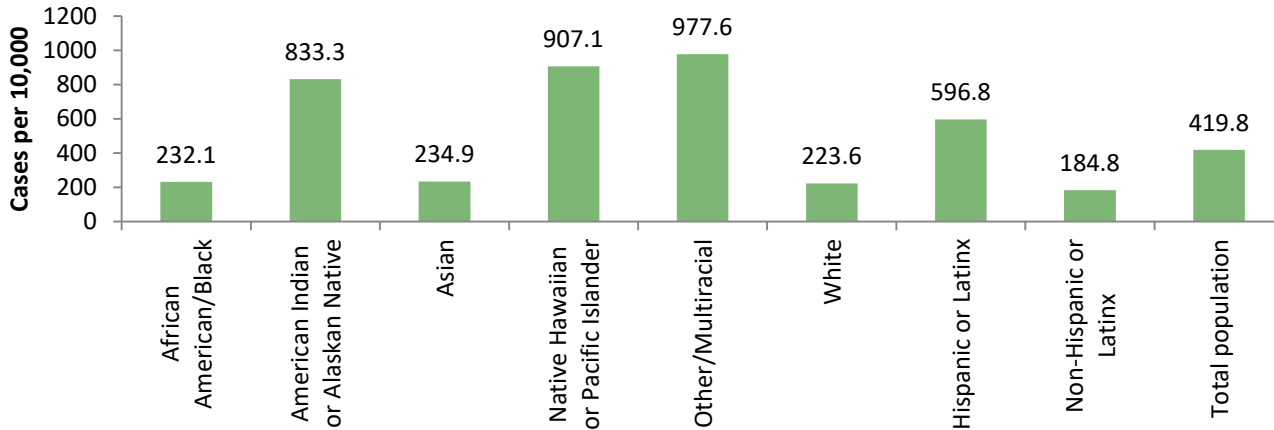
This slide shows the percentage of COVID-19 deaths in Marion County with underlying medical conditions. All of the 93 people who've died at the time of this report in Marion County had some sort of underlying medical condition (100.0%). The most common underlying condition for those who've died was heart (62.4%), neurological (e.g. dementia) (50.5%), diabetes (36%), and other conditions (34.4%). Other conditions can be any chronic condition that doesn't fall into the groups listed above (e.g. anemia, hypertension (high blood pressure), arthritis, cancer, etc.). Generated 10/1/20. **Updated as needed**

Percentage of COVID-19 deaths in Marion County by the number of underlying medical conditions present at time of death (N=93), ORPHEUS, 9/27/20

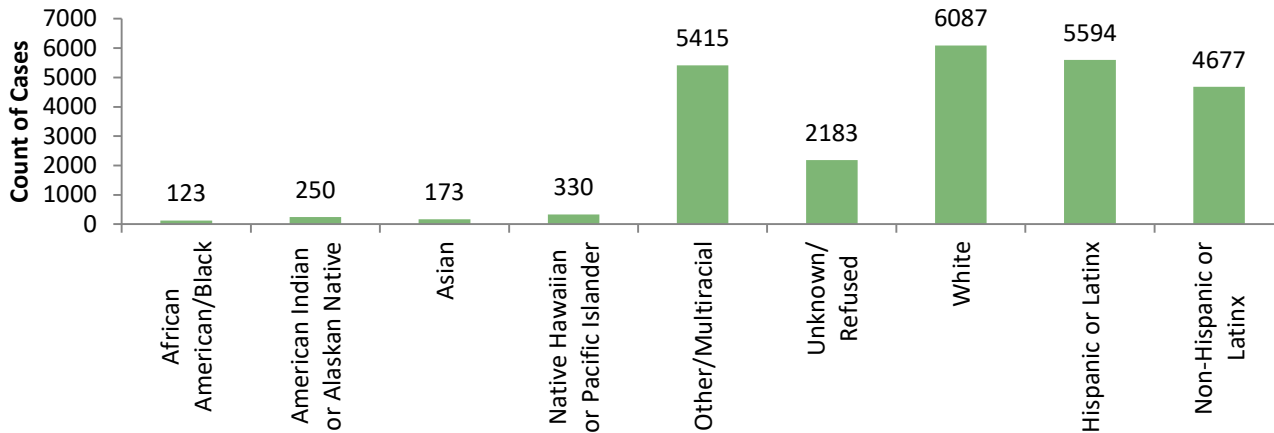


This slide shows the percentage of COVID-19 deaths broken out by the number of underlying conditions present at time of death. The majority of cases who died had 3 or more underlying illnesses. The average number of conditions was 2.8, with a minimum of 1, and maximum of 7. Generated 10/1/20. **Updated as needed**

Rate of COVID-19 cases by race & ethnicity in Marion County per 10,000 population, 1/1/20 - 1/4/21, ORPHEUS & Census Bureau

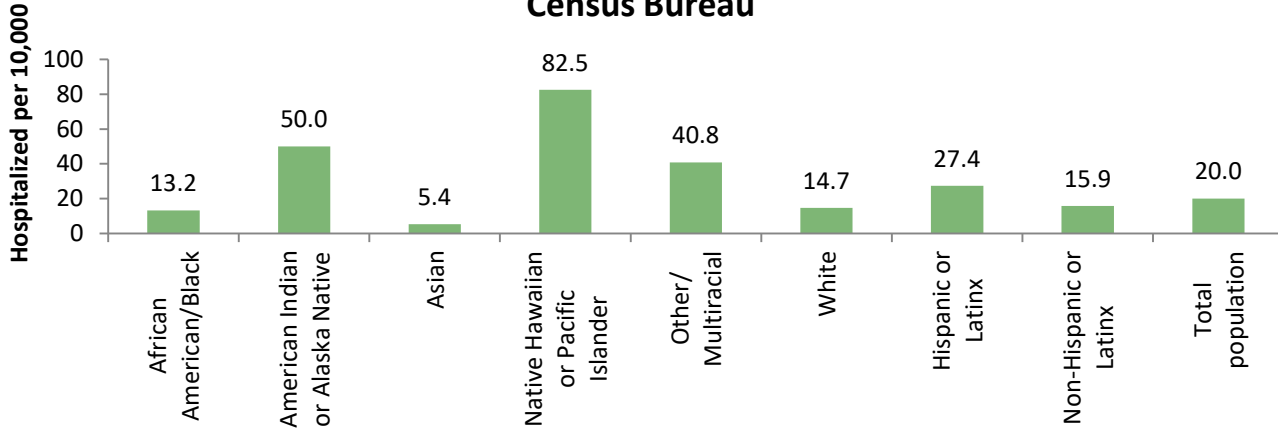


Count of COVID-19 cases (N=14,561) by race & ethnicity in Marion County, 1/1/20 - 1/4/21, ORPHEUS & Census Bureau

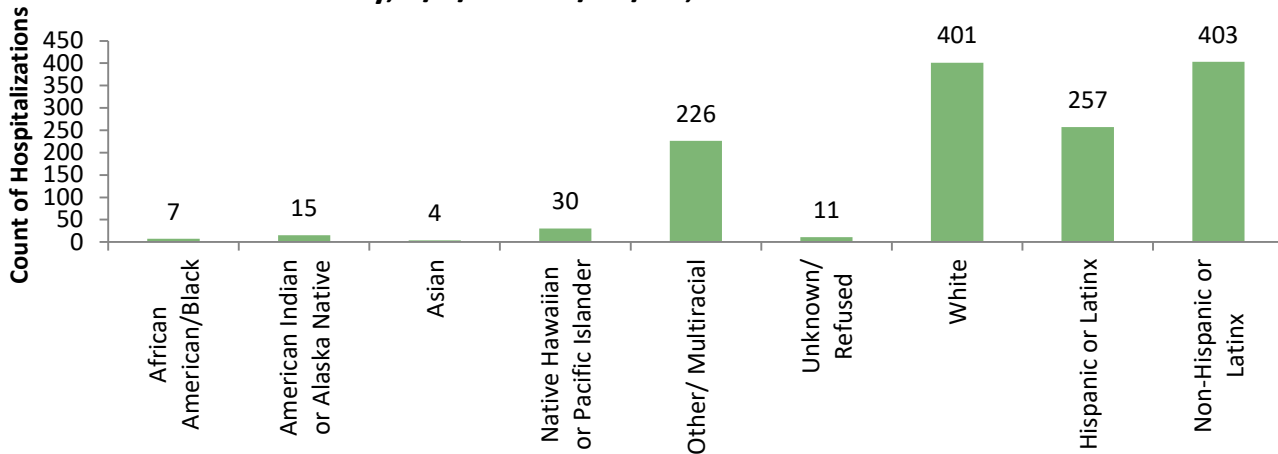


COVID-19 illness disproportionately affects communities of color. People who identified as Other or Multiracial had the highest incidence rates of any racial group in Marion County. People who identified as Hispanic or LatinX had higher incidence rates than their Non-Hispanic or LatinX counterparts (596.8 per 10,000 Vs. 184.8 per 10,000). At this time, 5,594 people from the Hispanic or LatinX community have had COVID-19 illness. Generated 1/3/21. **Updated bi-weekly**.

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

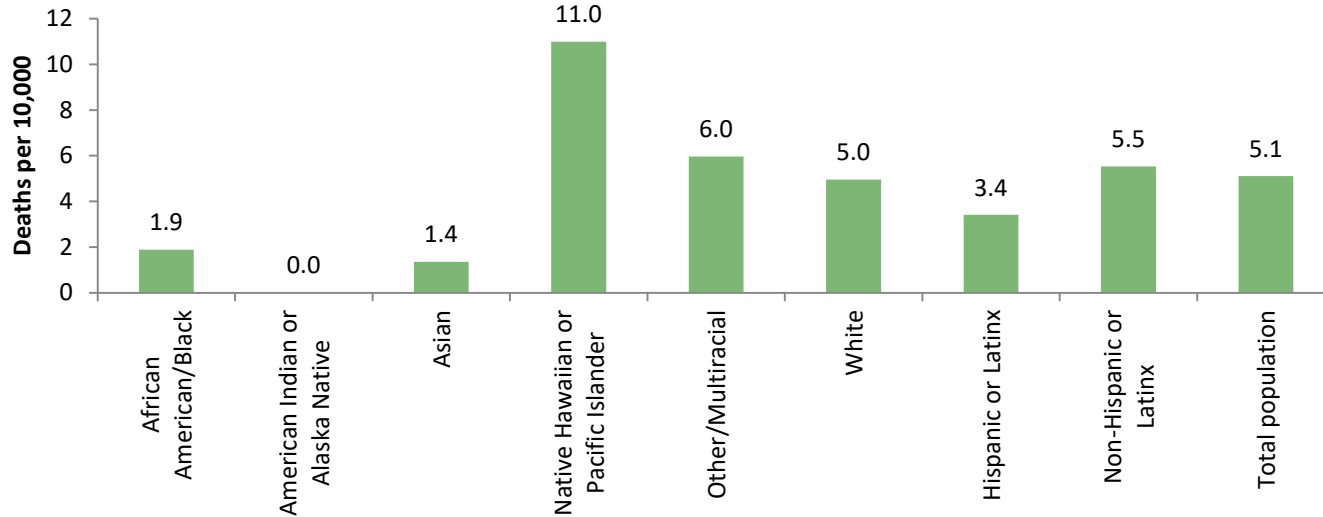


Count of COVID-19 hospitalizations(N=694) by race & ethnicity in Marion County, 1/1/20 - 12/12/20, ORPHEUS & Census Bureau

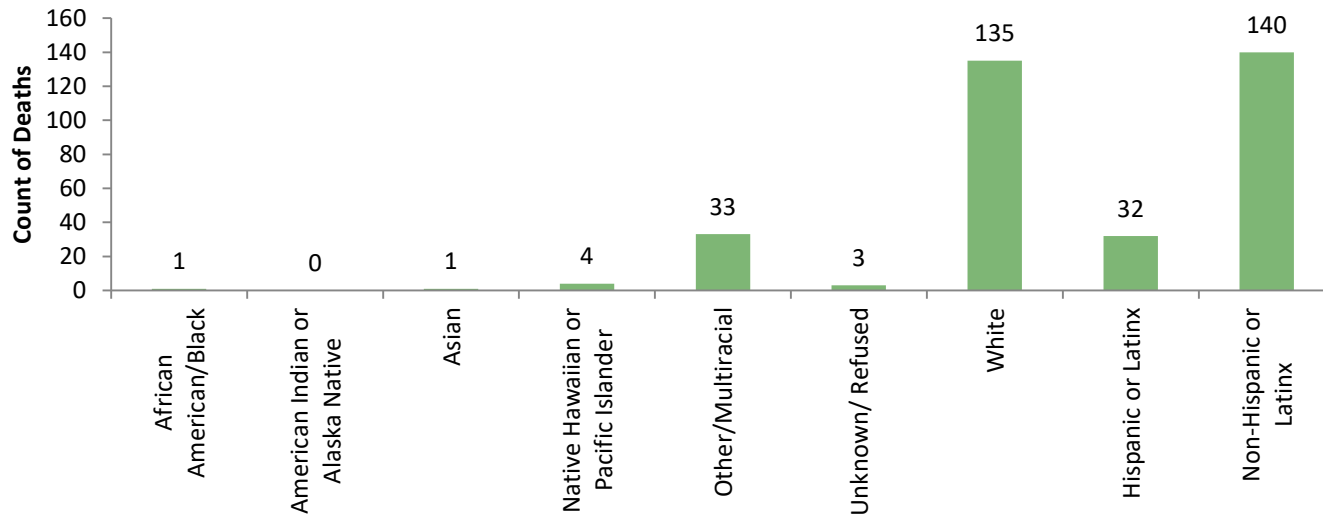


In the community, people who identified as Native Hawaiian or Pacific Islander had the highest rate of hospitalizations from COVID-19 of any racial group (82.5 per 10,000). People who identified as Hispanic or LatinX had higher hospitalization rates than their Non-Hispanic or LatinX counterparts (27.4 per 10,000 Vs. 15.9 per 10,000). At this time, 694 people in the community have been hospitalized with COVID-19. Generated 12/12/20. ****Updated monthly****

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



Count of COVID-19 deaths (N=177) by race & ethnicity in Marion County, 1/1/20 - 12/12/20, ORPHEUS & Census Bureau



The COVID-19 mortality rate was highest amongst the Native Hawaiian and Pacific Islander community (11.0 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 (5.5 per 10,000 Vs. 3.4 per 10,000). At this time, 177 people in the community have died due to COVID-19. Generated 12/12/20. **Updated monthly**