Marion County
OREGON
Health & Human Services

COVID-19 Data & Trends

March 2, 2021

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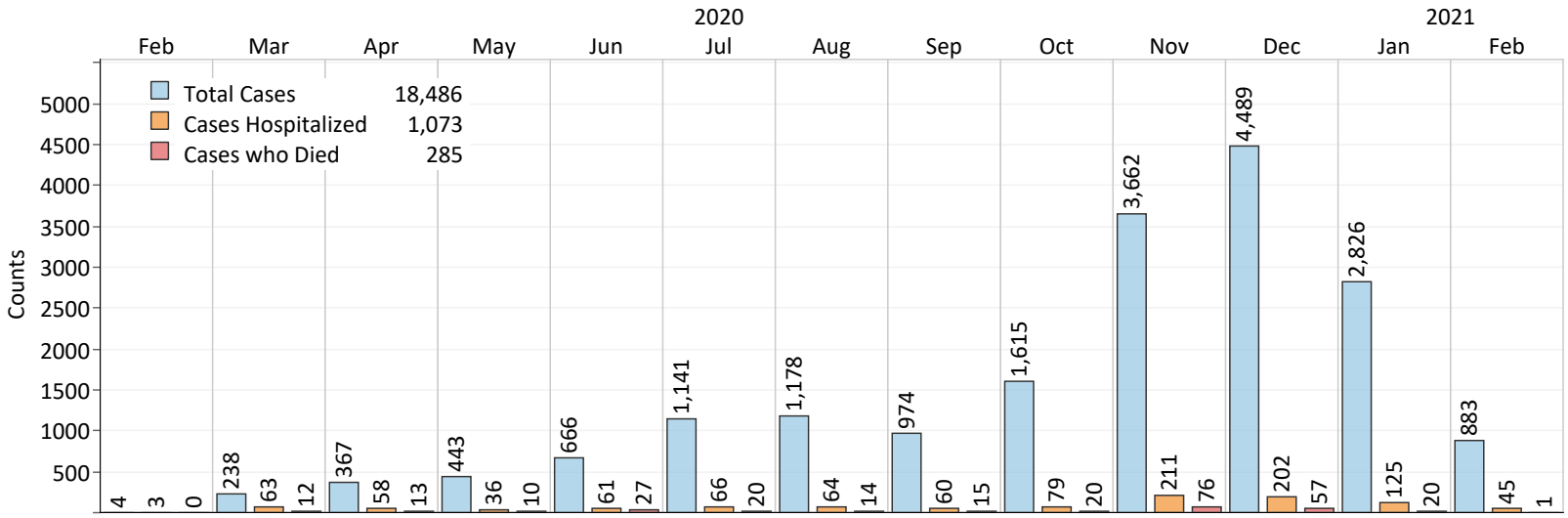
Infections, Hospitalizations & Deaths by Onset Date - Monthly Summary



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

	2020											2021		Grand Total
	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	
Case Hospitalized Rate	75.0%	26.5%	15.8%	8.1%	9.2%	5.8%	5.4%	6.2%	4.9%	5.8%	4.5%	4.4%	5.1%	5.8%
Case Fatality Rate	0.0%	5.0%	3.5%	2.3%	4.1%	1.8%	1.2%	1.5%	1.2%	2.1%	1.3%	0.7%	0.1%	1.5%

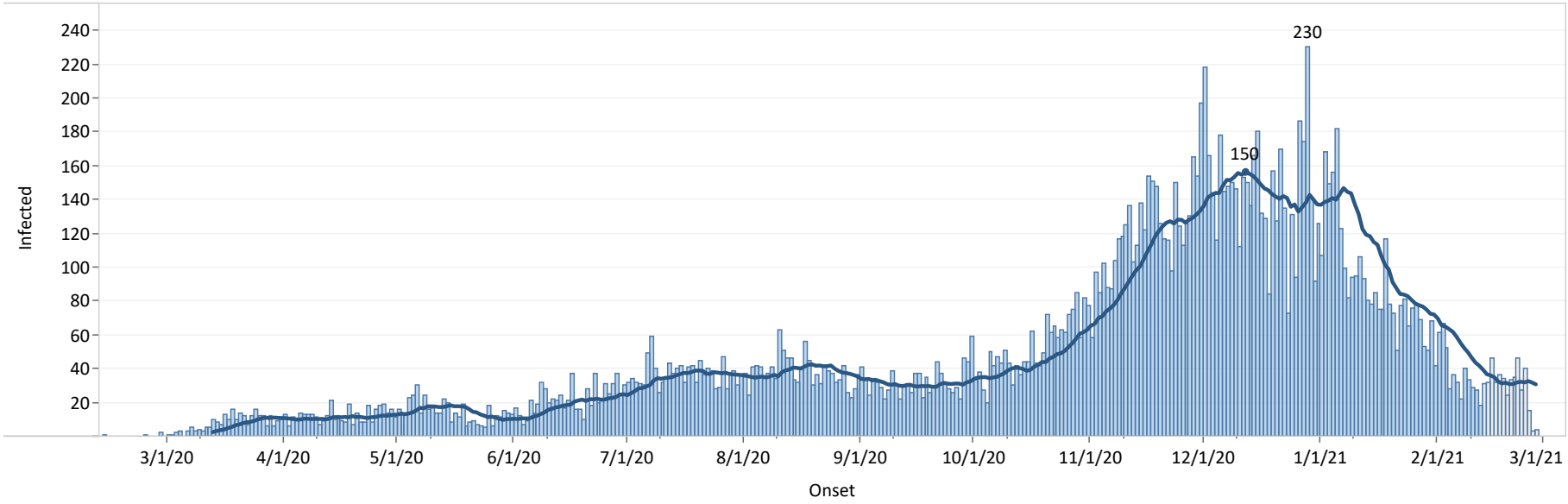
Proportion per month of infections, hospitalizations, and deaths across the course of the pandemic.

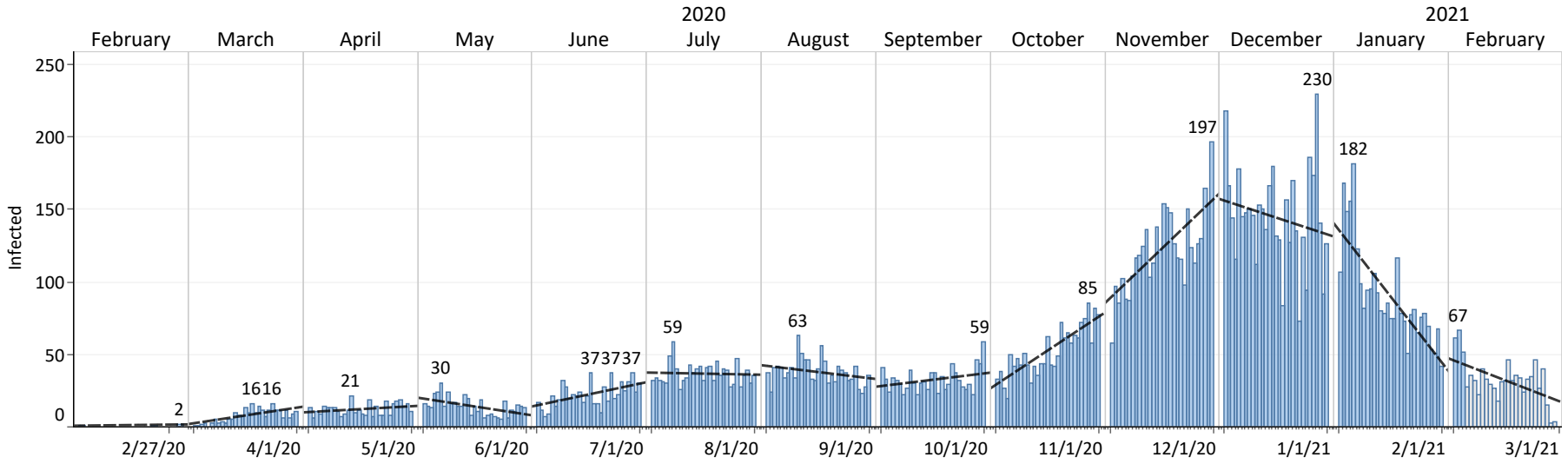
	2020											2021		Grand Total
	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	
Cases	0%	1%	2%	2%	4%	6%	6%	5%	9%	20%	24%	15%	5%	100%
Hospitalized	0%	6%	5%	3%	6%	6%	6%	6%	7%	20%	19%	12%	4%	100%
Deaths	0%	4%	5%	4%	9%	7%	5%	5%	7%	27%	20%	7%	0%	100%

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. Since these counts are at the end of month, most of the cases for February have been reported. A few additional cases will appear in the next report.

Data Updated: 2/28/2021 11:19:00 AM

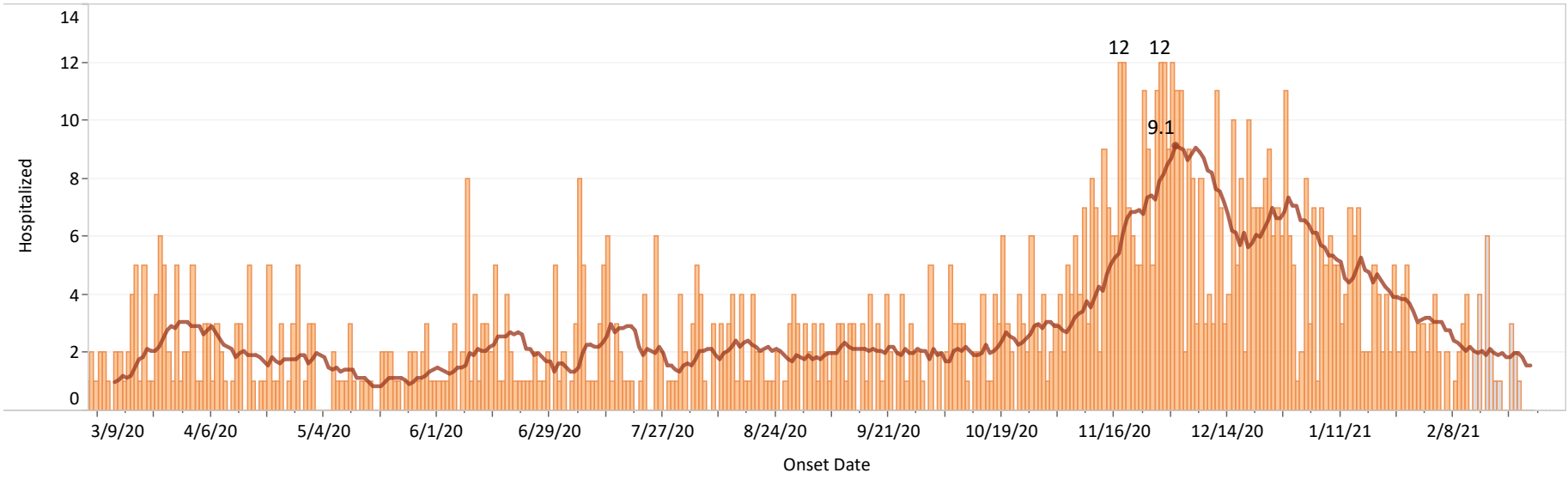
Cases: Numbers and Trends

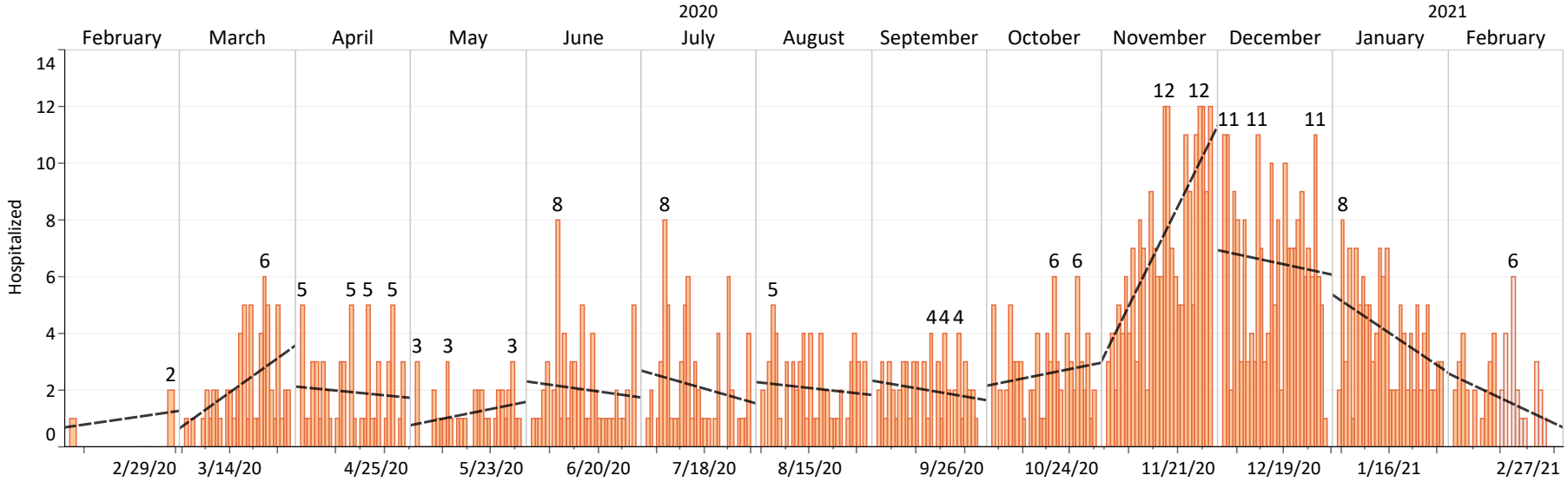




Two views of the number of infections over time by date of symptom onset: the top chart show the number of infections for each day and the 14-day moving average. Counts of infections over the last week are provisional and are denoted by shading. The bottom chart shows how the trend changes by month.

Hospitalizations: Numbers and Trends

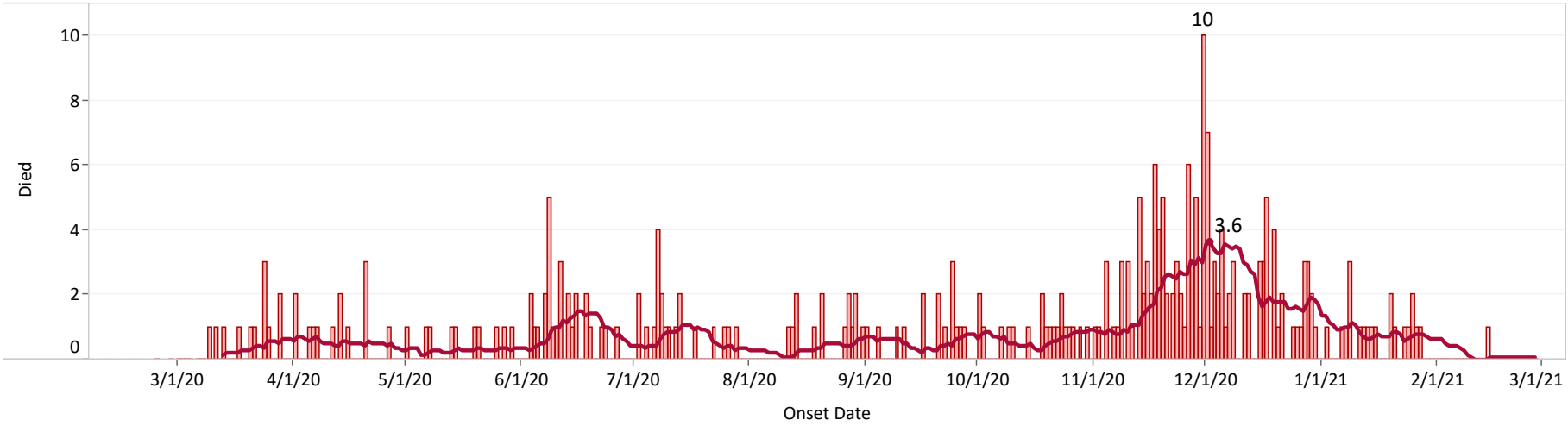


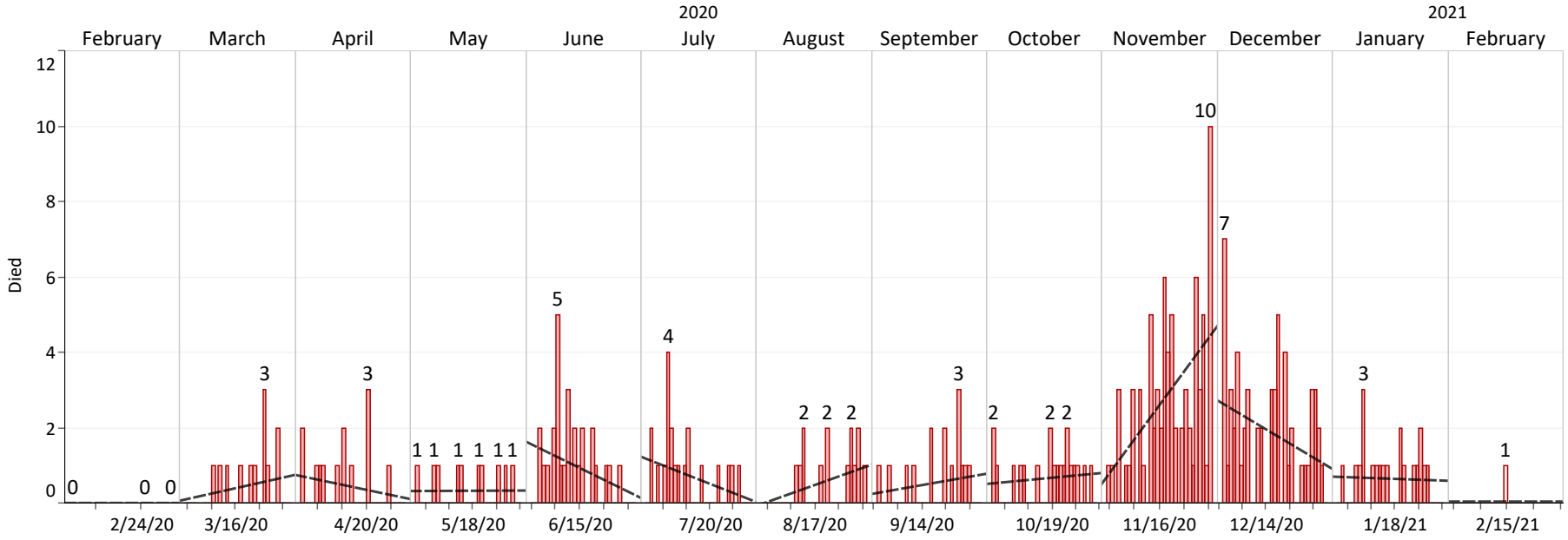


Two views of the number of hospitalizations over time by date of symptom onset: the top chart show the number of cases hospitalized and the 14-day moving average. The grey bars indicate the dates where data is likely incomplete. The bottom chart shows how the trend changes by month.

Data Updated: 2/28/2021 11:19:00 AM

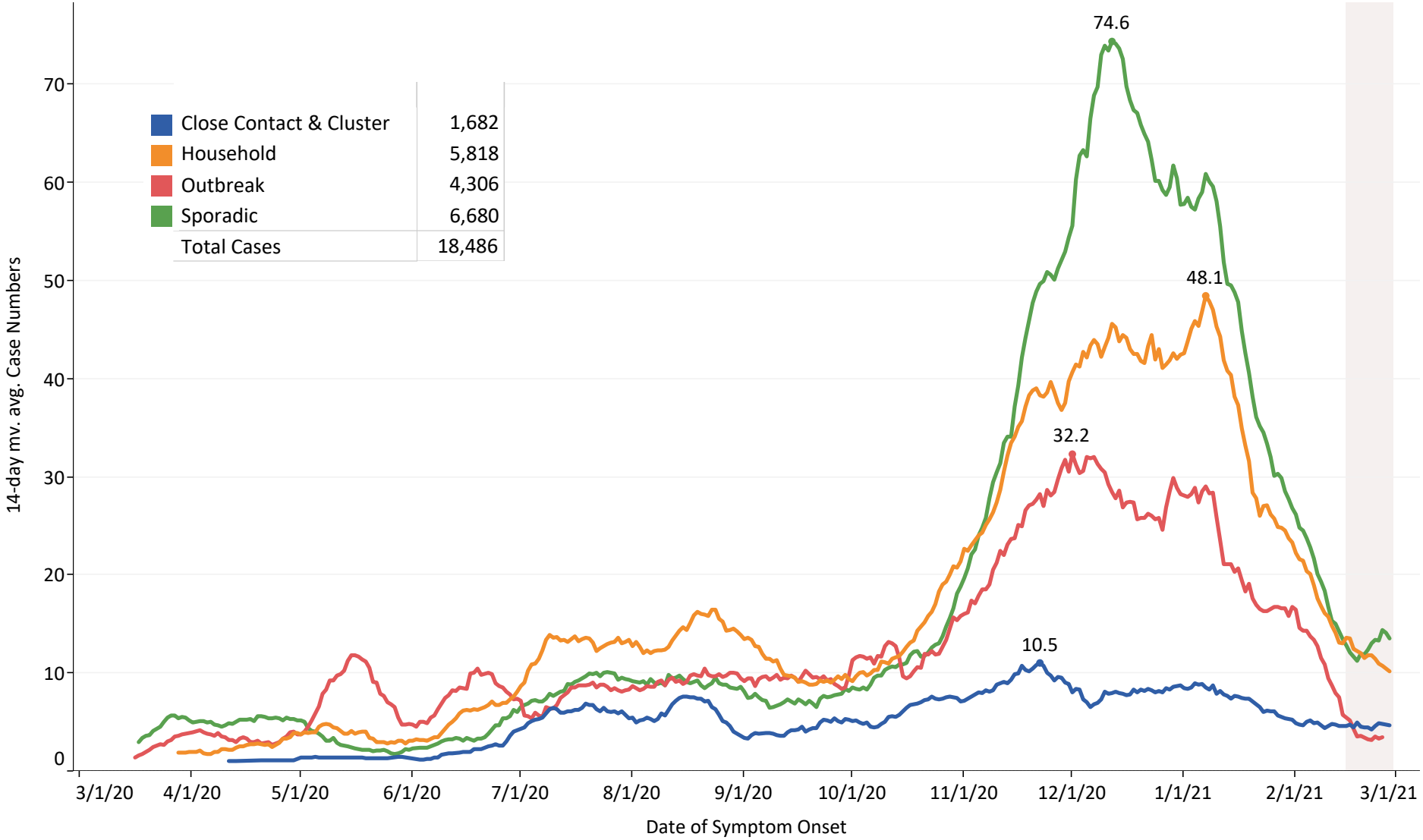
Deaths: Numbers and Trends





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 and the 14-day moving average. The grey bars indicate the dates where data is likely incomplete. The bottom chart shows how the trend changes by month.

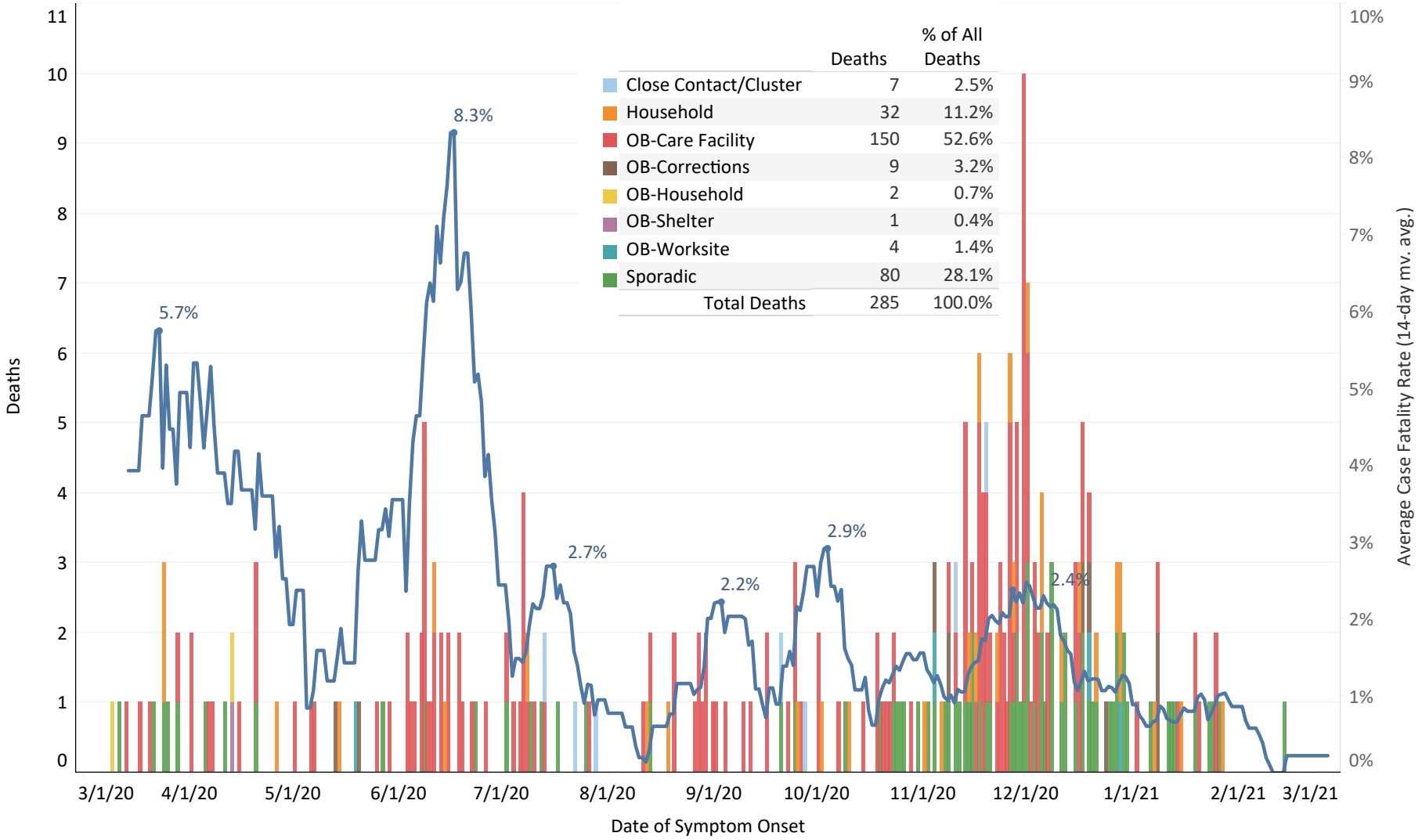
Infection Trends by Source



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.

Data Updated: 2/28/2021 11:19:00 AM

Deaths by Infection Source and Case Fatality Rate



	Deaths	% of All Deaths
Close Contact/Cluster	7	2.5%
Household	32	11.2%
OB-Care Facility	150	52.6%
OB-Corrections	9	3.2%
OB-Household	2	0.7%
OB-Shelter	1	0.4%
OB-Worksite	4	1.4%
Sporadic	80	28.1%
Total Deaths	285	100.0%

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. Note that the fatality rate is much lower in the last few months even though there have been many more deaths then, for example, in June 2020. This is due to the high number of cases during the late fall and winter, since the fatality rate is defined as the number of deaths divided by the number of cases.

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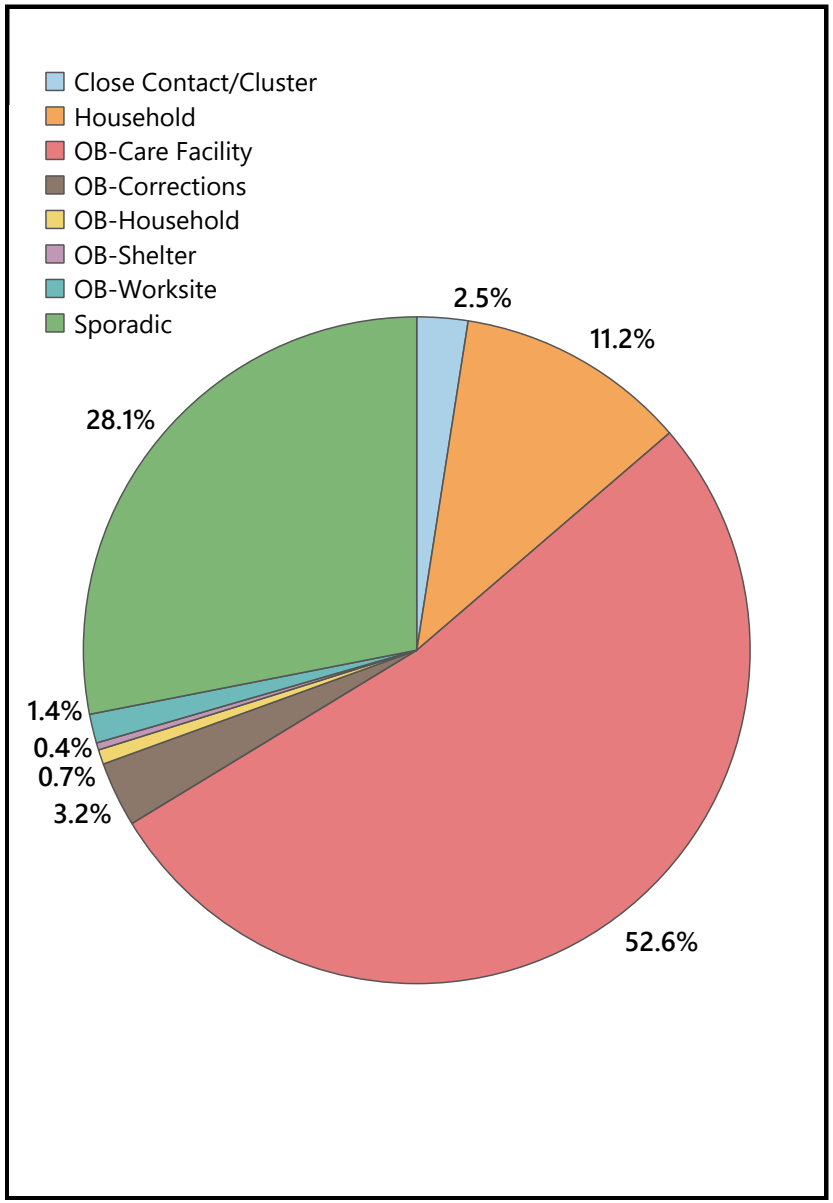
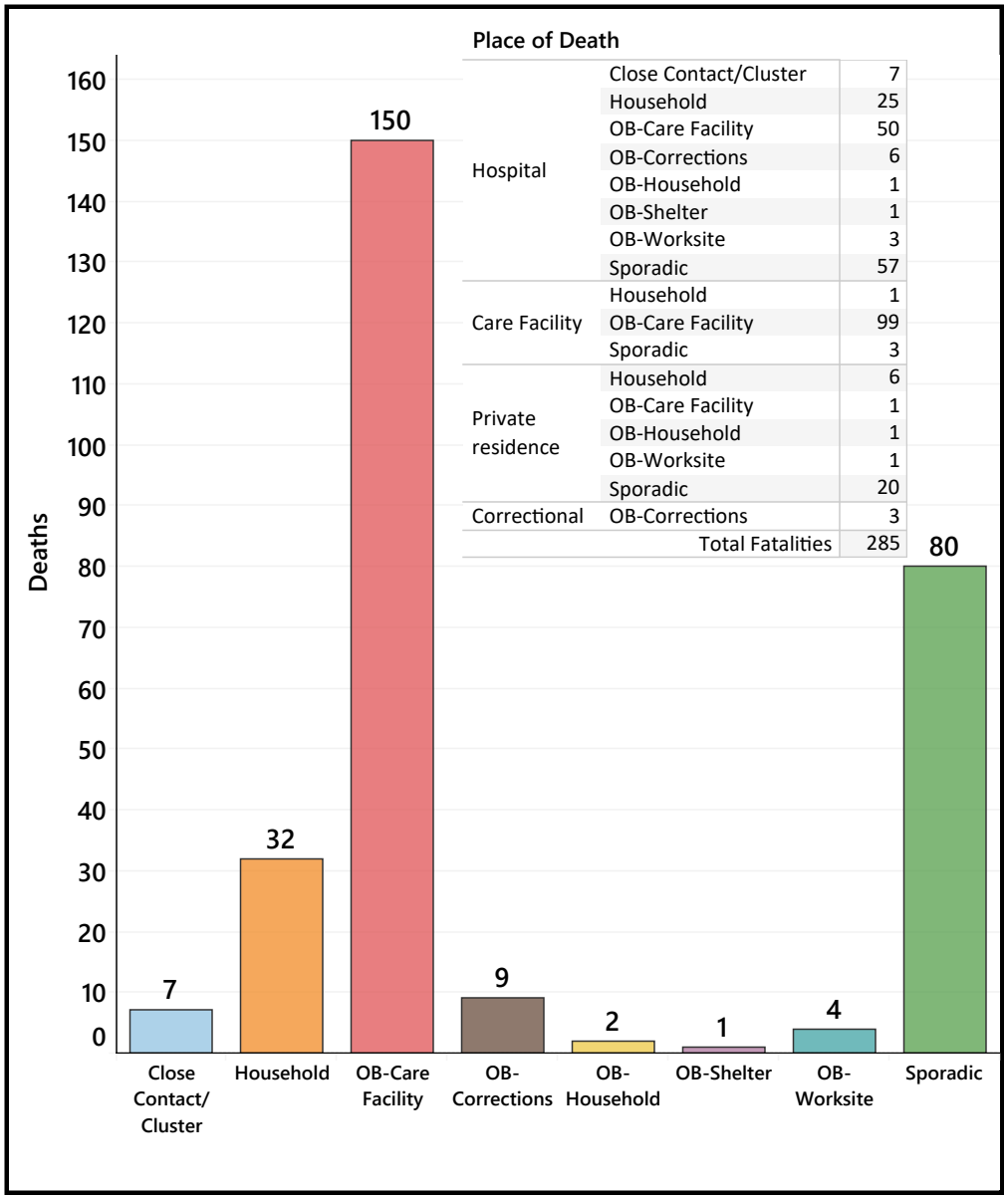
Distribution and Number of Deaths by Infection Source-Cumulative



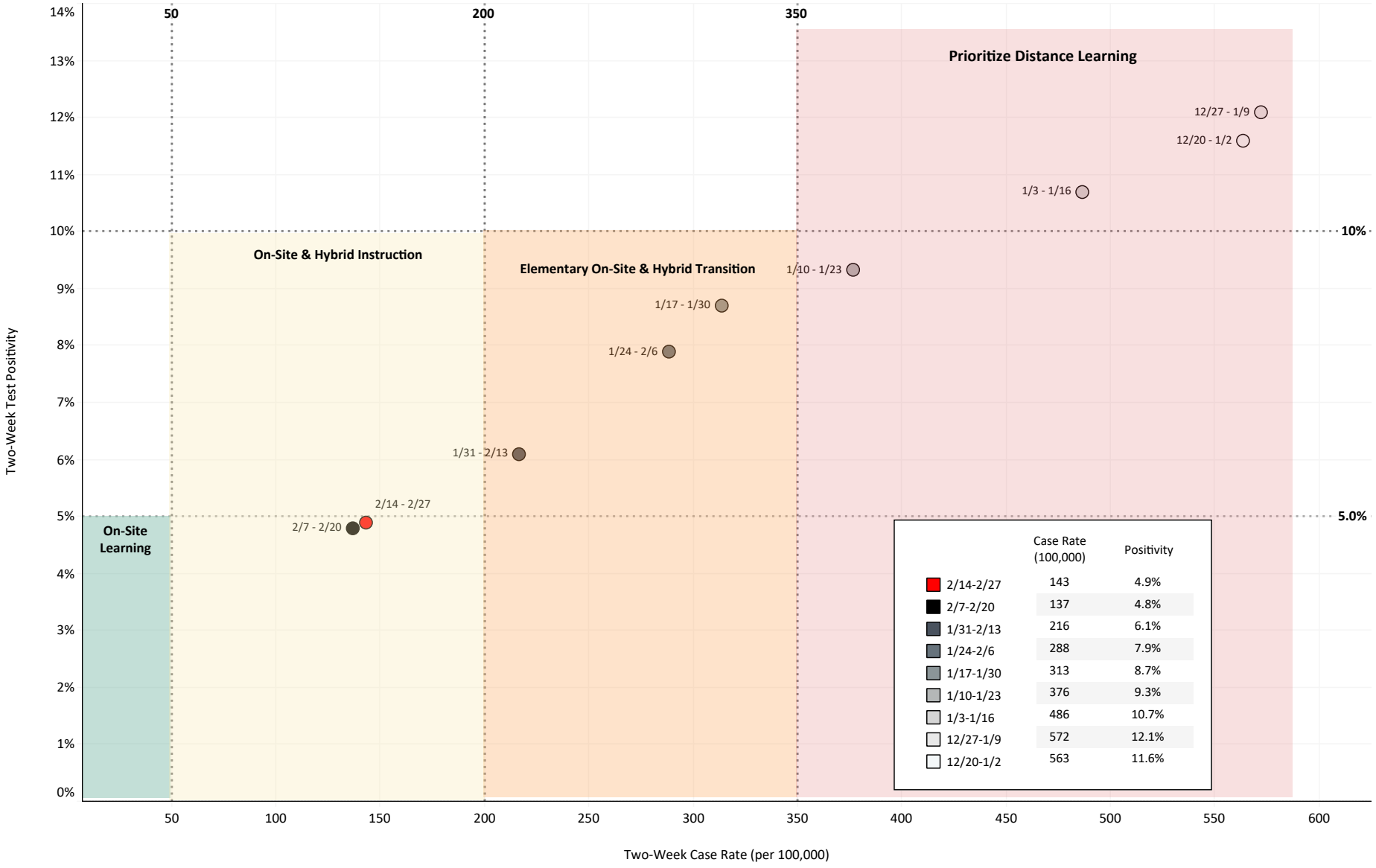


Place of Death

Hospital	Close Contact/Cluster	7
	Household	25
	OB-Care Facility	50
	OB-Corrections	6
	OB-Household	1
	OB-Shelter	1
	OB-Worksite	3
	Sporadic	57
Care Facility	Household	1
	OB-Care Facility	99
	Sporadic	3
Private residence	Household	6
	OB-Care Facility	1
	OB-Household	1
	OB-Worksite	1
	Sporadic	20
Correctional	OB-Corrections	3
	Total Fatalities	285

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 stands for outbreak.

Advisory Metrics for Return to School



This diagram tracks the changes in the two metrics associated with a school district's determination to return to some form of in-person learning: the test-based positivity and the number of case per 100,000, both of which are calculated over a two week period (Sunday-Saturday). Shaded areas correspond to case rate or positivity thresholds defined on Jan 19, 2021

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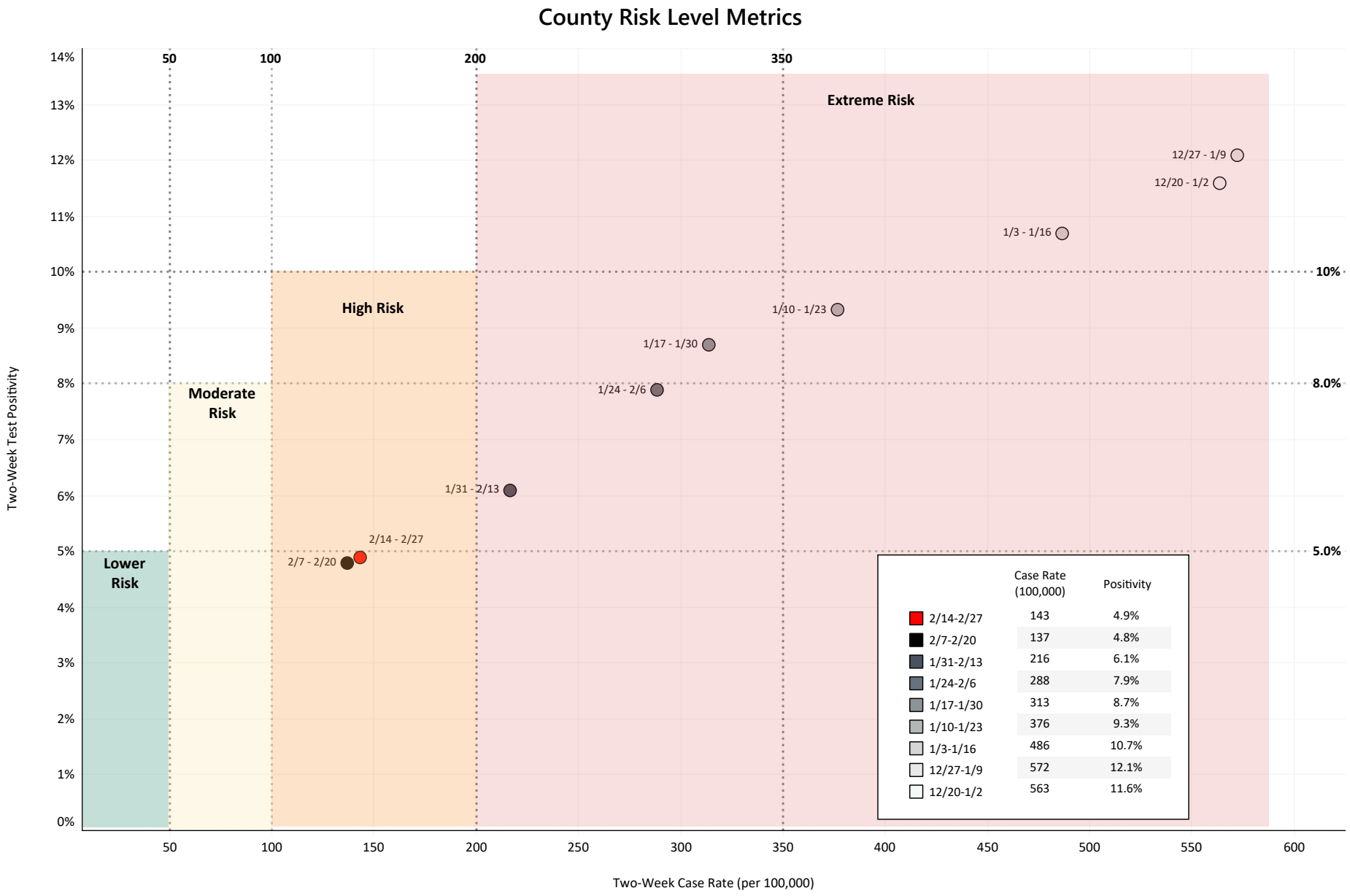

This diagram tracks the changes in the two metrics associated with County Risk Level determinations: the test-based positivity and the number of case per 100,000, both of which are calculated over a two week period (Sunday-Saturday).

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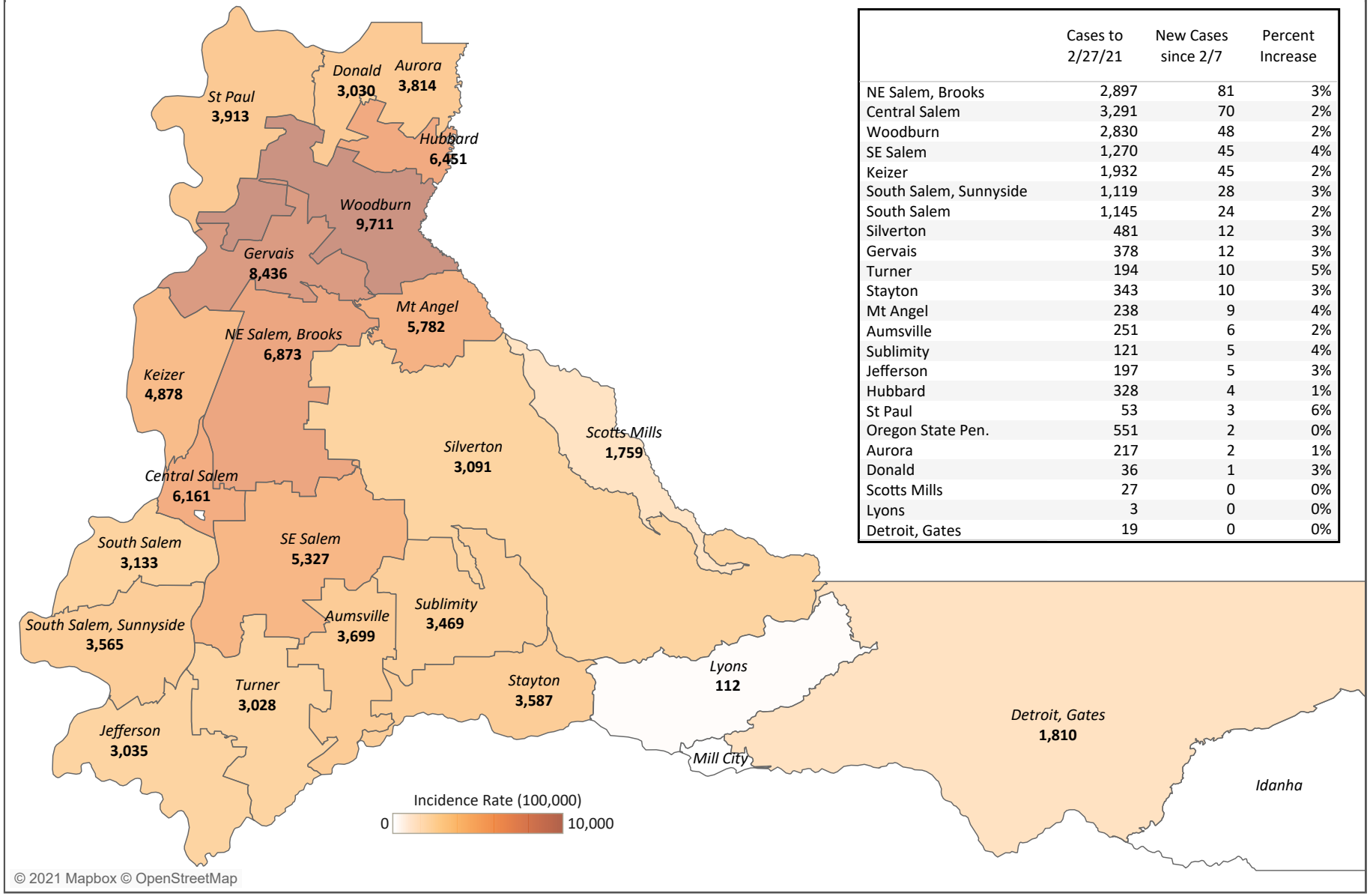
Cumulative Incidence Rate for All Sources of Infection

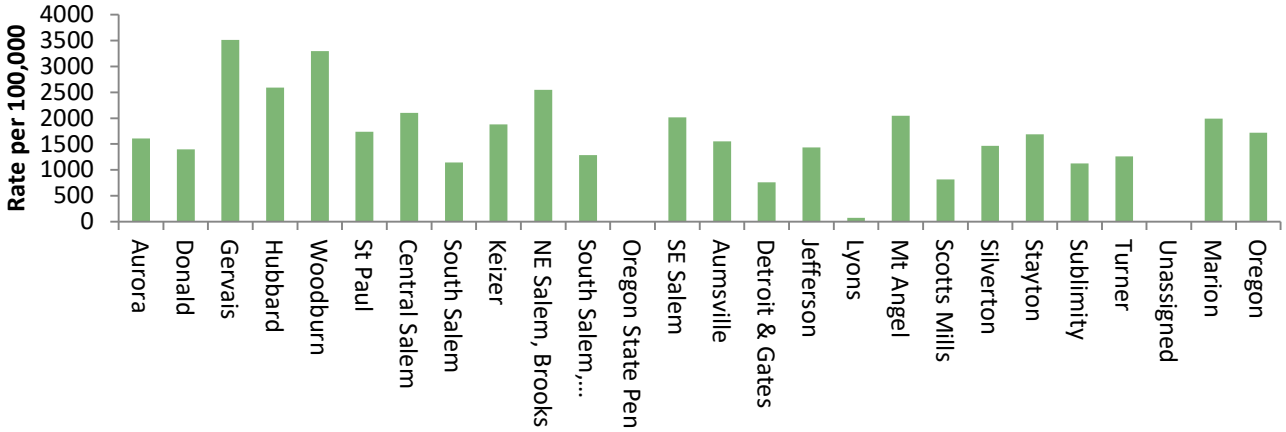


	Cases to 2/27/21	New Cases since 2/7	Percent Increase
NE Salem, Brooks	2,897	81	3%
Central Salem	3,291	70	2%
Woodburn	2,830	48	2%
SE Salem	1,270	45	4%
Keizer	1,932	45	2%
South Salem, Sunnyside	1,119	28	3%
South Salem	1,145	24	2%
Silverton	481	12	3%
Gervais	378	12	3%
Turner	194	10	5%
Stayton	343	10	3%
Mt Angel	238	9	4%
Aumsville	251	6	2%
Sublimity	121	5	4%
Jefferson	197	5	3%
Hubbard	328	4	1%
St Paul	53	3	6%
Oregon State Pen.	551	2	0%
Aurora	217	2	1%
Donald	36	1	3%
Scotts Mills	27	0	0%
Lyons	3	0	0%
Detroit, Gates	19	0	0%

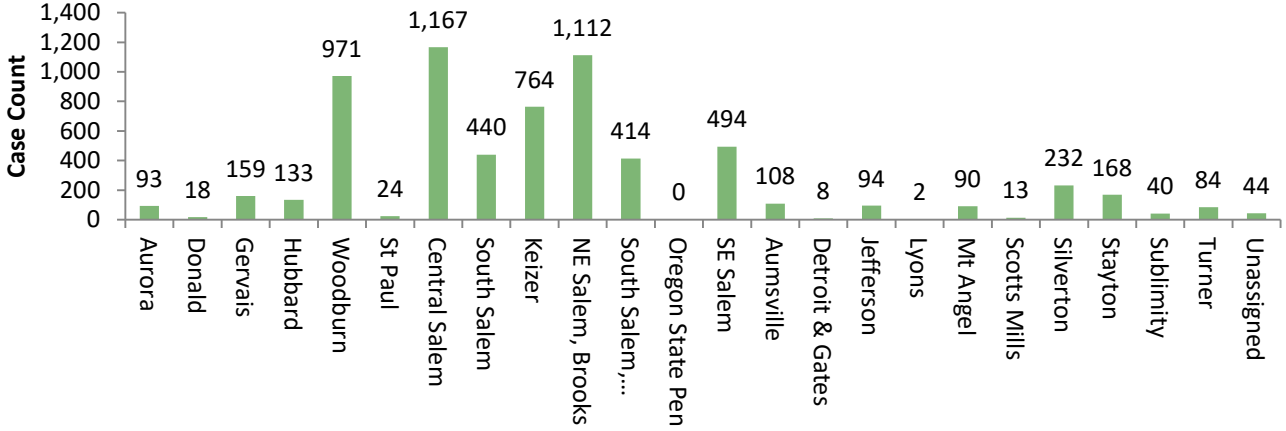
This map displays the cumulative number of cases per 100,000 by geographic area, highlighting areas of high infection rates. The precent increase value is displayed in the table is to help show how infection tranmission is changing in the near term. Dates reflect symtom onset date.

Data Updated: 2/28/2021 11:19:00 AM

Rate of COVID-19 sporadic cases by zip code in Marion County per 100,000 population, 1/1/20 - 2/28/21, ORPHEUS & Census Bureau

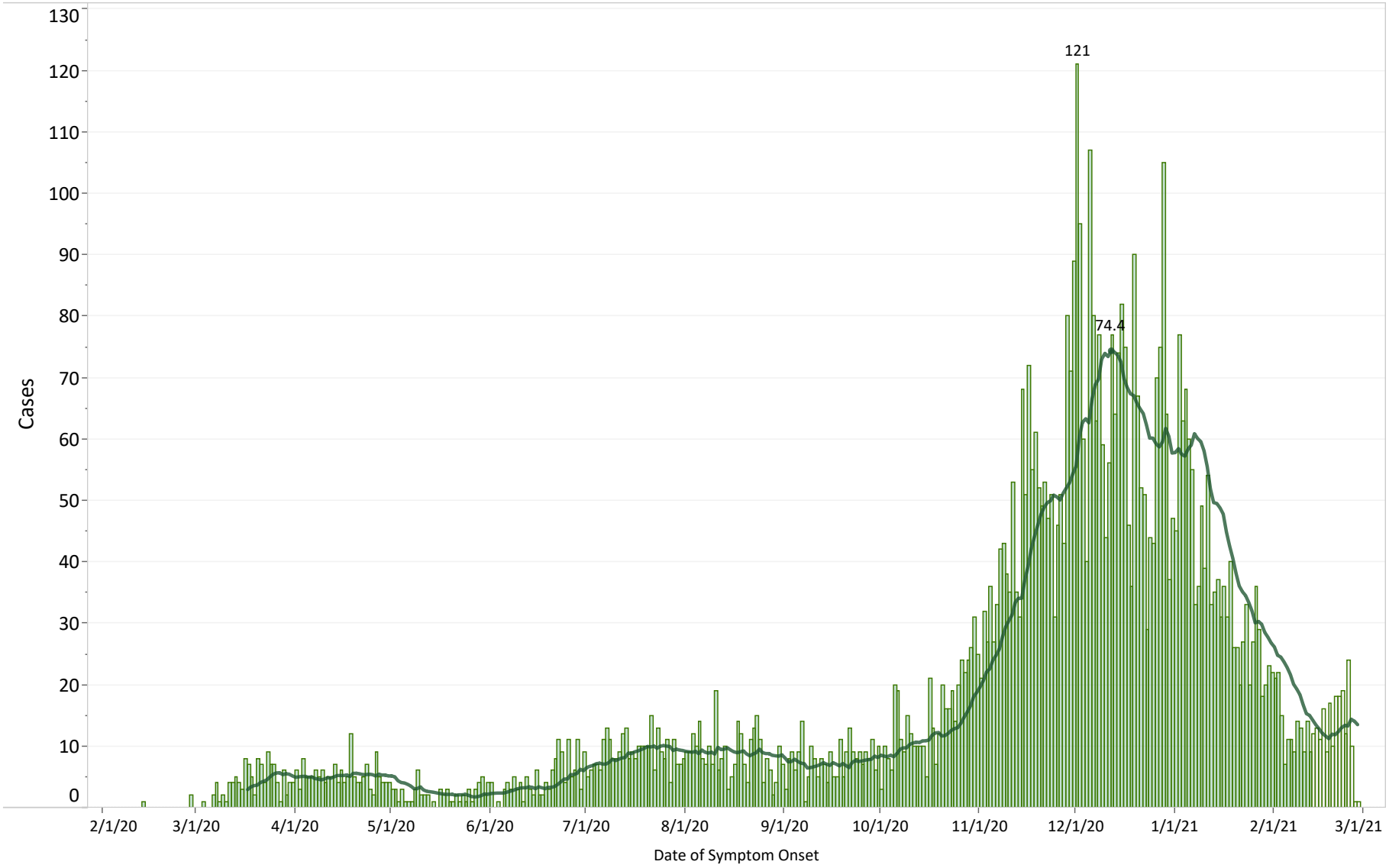


Count of COVID-19 sporadic cases by zip code in Marion County (N=6,672), 1/1/20 - 2/28/21, ORPHEUS & Census Bureau



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 2/28/21. **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 and the 14-day moving average of these counts. The grey bars indicates the date interval where case investigation will likely reduce the sporadic counts by identifying an infection source.

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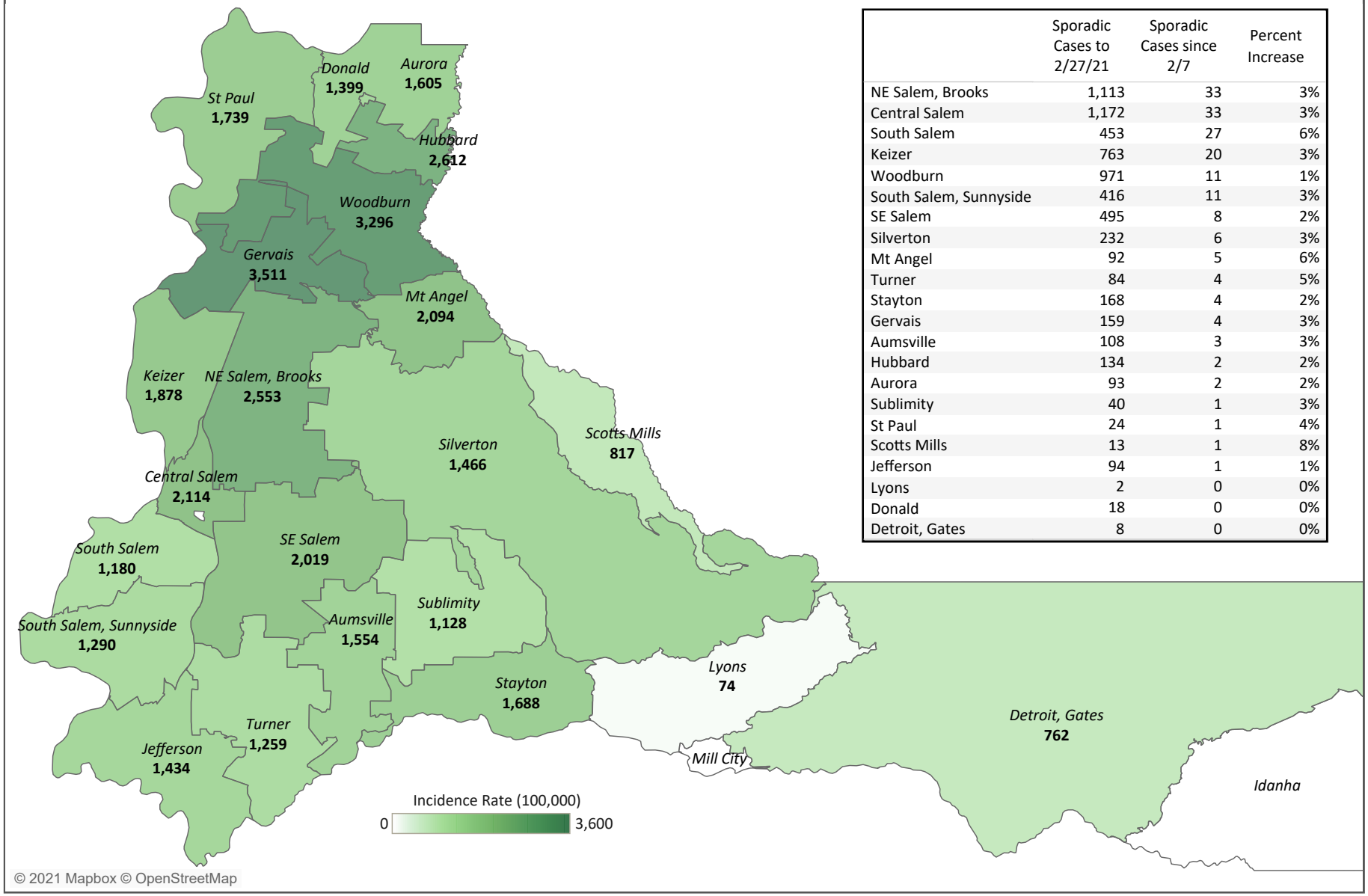
Cumulative Incidence Rate for Sporadic Infections

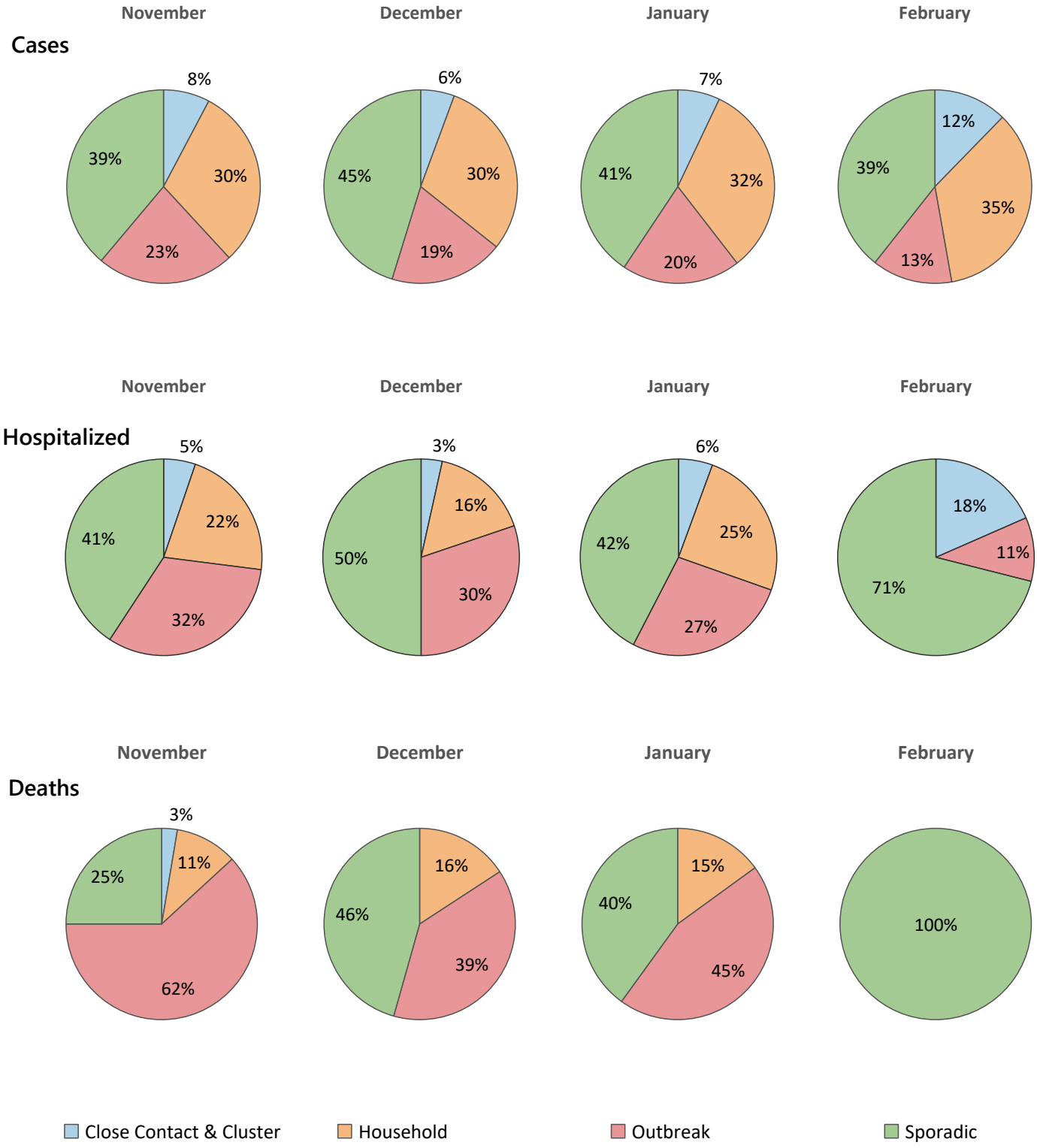


	Sporadic Cases to 2/27/21	Sporadic Cases since 2/7	Percent Increase
NE Salem, Brooks	1,113	33	3%
Central Salem	1,172	33	3%
South Salem	453	27	6%
Keizer	763	20	3%
Woodburn	971	11	1%
South Salem, Sunnyside	416	11	3%
SE Salem	495	8	2%
Silverton	232	6	3%
Mt Angel	92	5	6%
Turner	84	4	5%
Stayton	168	4	2%
Gervais	159	4	3%
Aumsville	108	3	3%
Hubbard	134	2	2%
Aurora	93	2	2%
Sublimity	40	1	3%
St Paul	24	1	4%
Scotts Mills	13	1	8%
Jefferson	94	1	1%
Lyons	2	0	0%
Donald	18	0	0%
Detroit, Gates	8	0	0%

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

Data Updated: 2/28/2021 11:19:00 AM

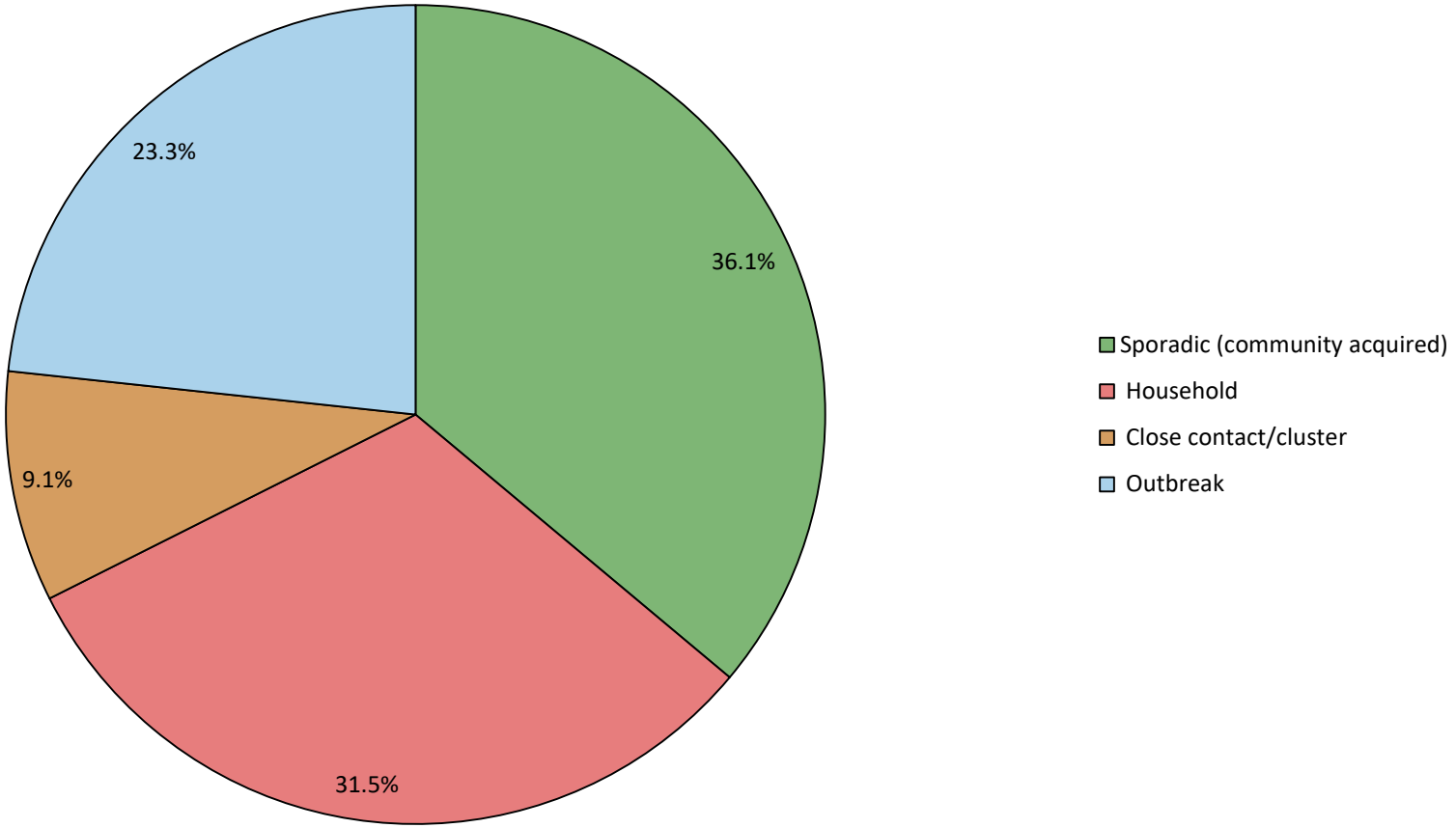
Distribution of Cases, Hospitalizations and Deaths by Infection Source



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.

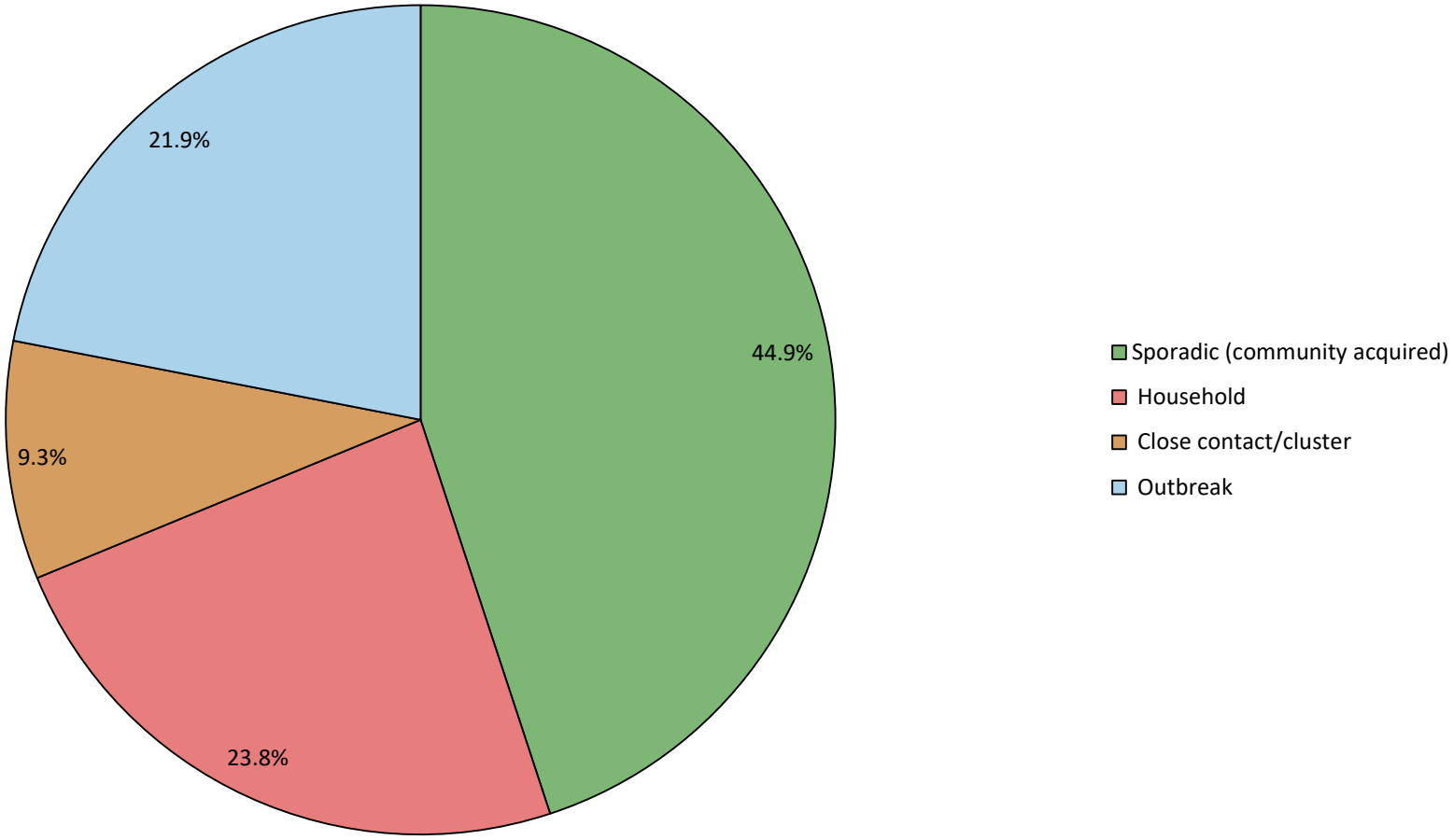
Data Updated: 2/28/2021 11:19:00 AM

Percentage of COVID-19 cases in Marion County by source of infection, 1/1/20 - 2/28/21, ORPHEUS



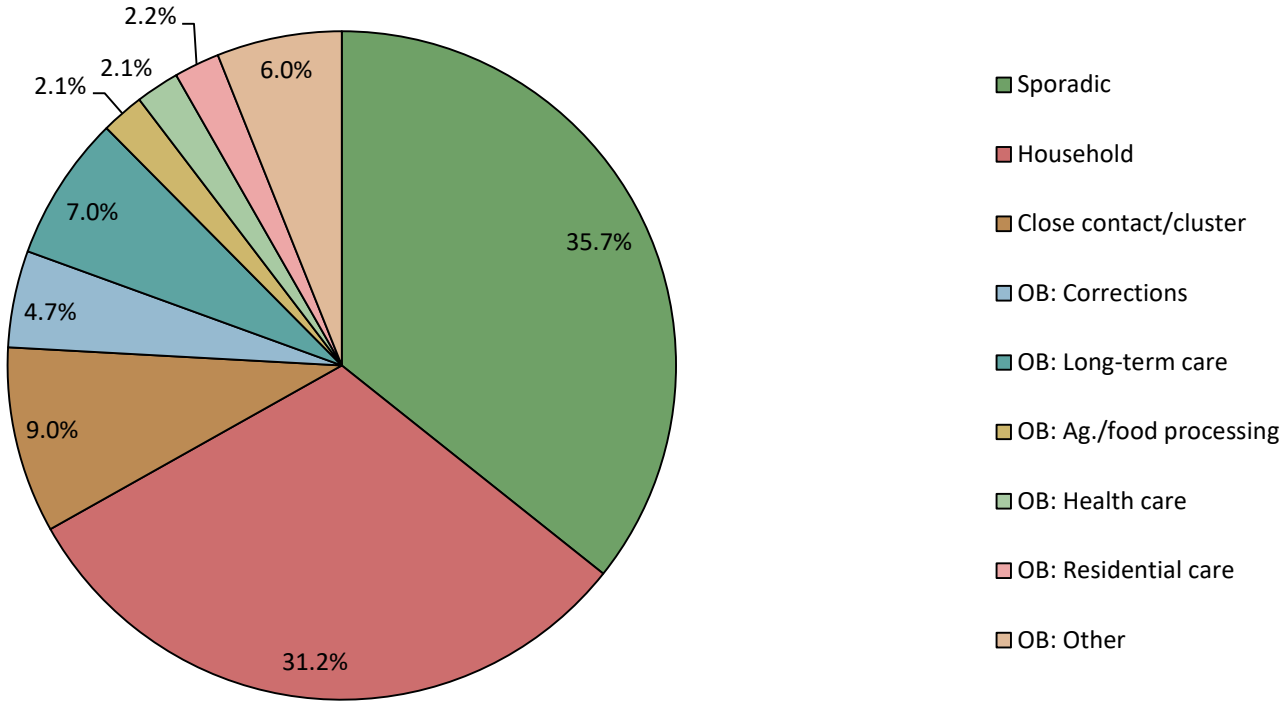
This slide shows the breakdown of infection source for COVID-19 cases in Marion County. The most common type of infection source in Marion is sporadic transmission (community acquired) (36.1%), followed by household (31.5%). **It is important to note that this figure should not be directly compared to 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 2/28/21. **Updated bi-weekly**

Percentage of COVID-19 cases in Oregon by source of infection, 1/1/20 - 2/28/21, ORPHEUS



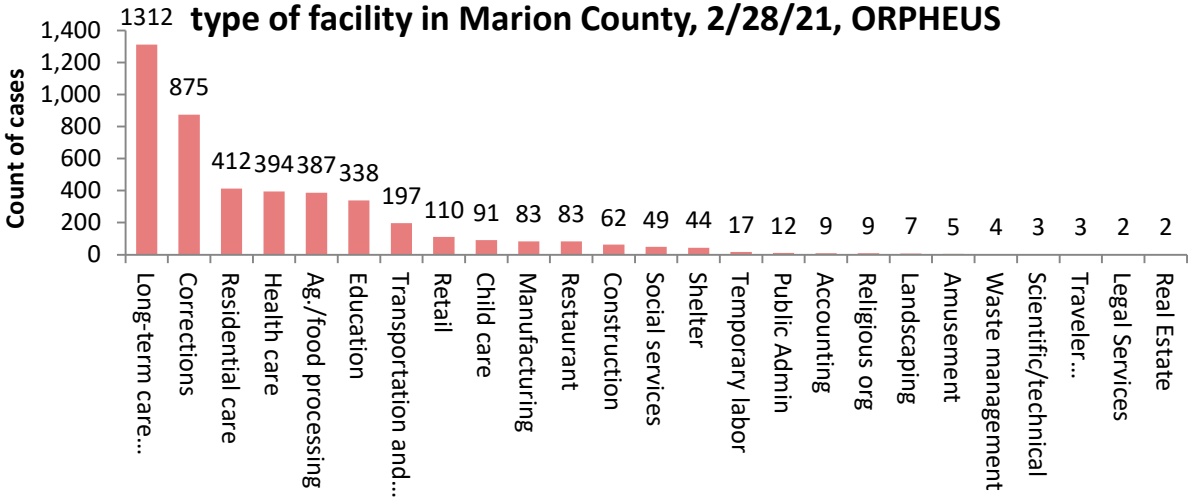
This slide shows the percentage of COVID-19 cases by the likely source of infection in Oregon. In Oregon, the most common source of infection for COVID-19 cases are sporadic (44.9%), or that the source cannot be ascertained, these are said to be “community acquired”. The second most common source is households (23.8%), followed by outbreaks (21.9%). **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 2/28/21. **Updated bi-weekly**

Percentage of COVID-19 cases associated with an outbreak by type of facility in Marion County, 1/1/20 - 2/28/21, ORPHEUS,

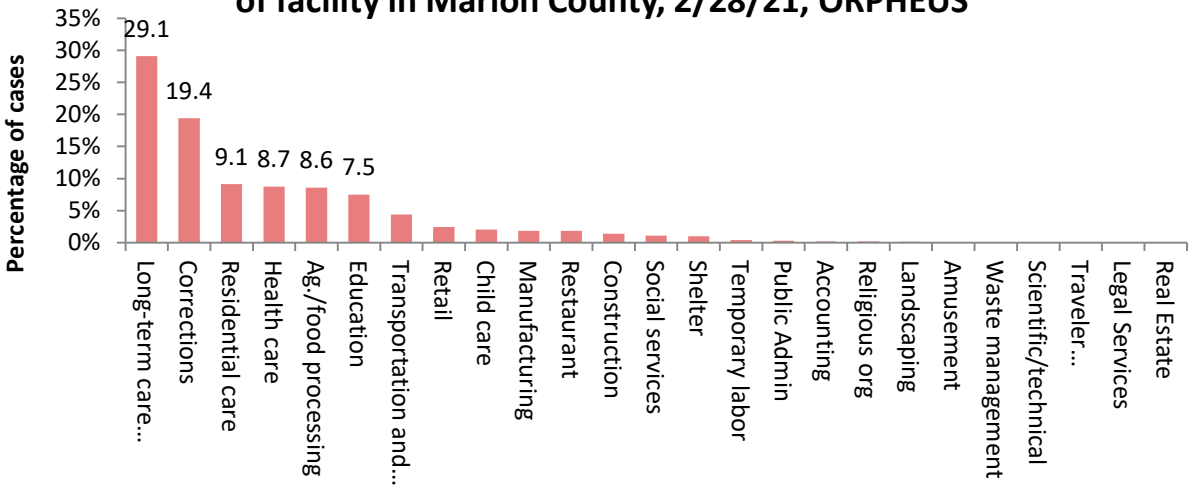


This slide shows the overall summary of source of COVID-19 illness in Marion County with a further breakdown of outbreaks. OB = outbreaks. Generated 2/28/21. **Updated bi-weekly**

Count of COVID-19 cases (N=4,510) associated with an outbreak by type of facility in Marion County, 2/28/21, ORPHEUS

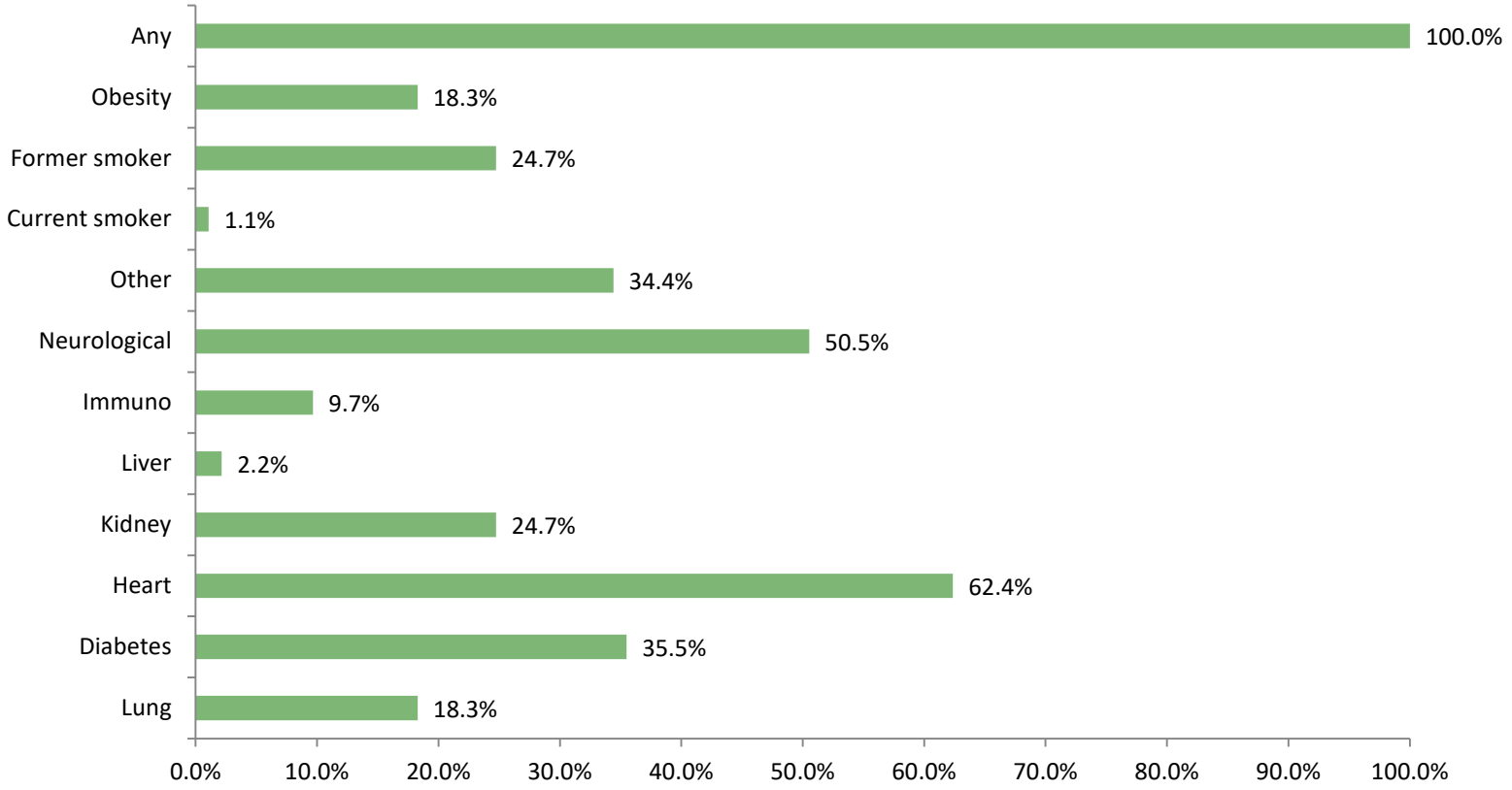


Percentage of COVID-19 cases associated with an outbreak by type of facility in Marion County, 2/28/21, ORPHEUS



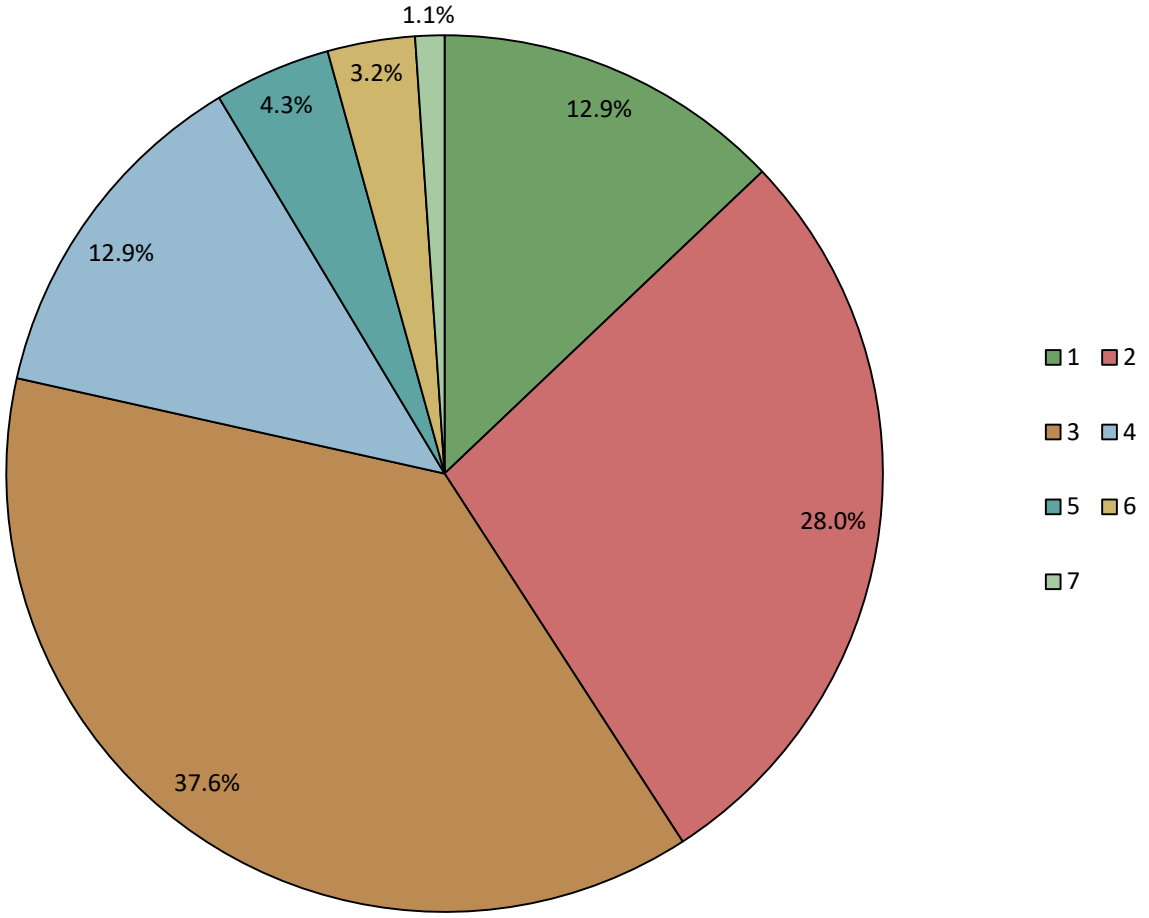
This slide shows the percentage and count of COVID-19 cases by type of outbreak facility in Marion County. The most common source of outbreaks were at long-term-care-facilities (LTCF) (29.1%), followed by corrections (19.4%), and residential care (9.1%). Generated 2/28/21. **Updated bi-weekly**

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



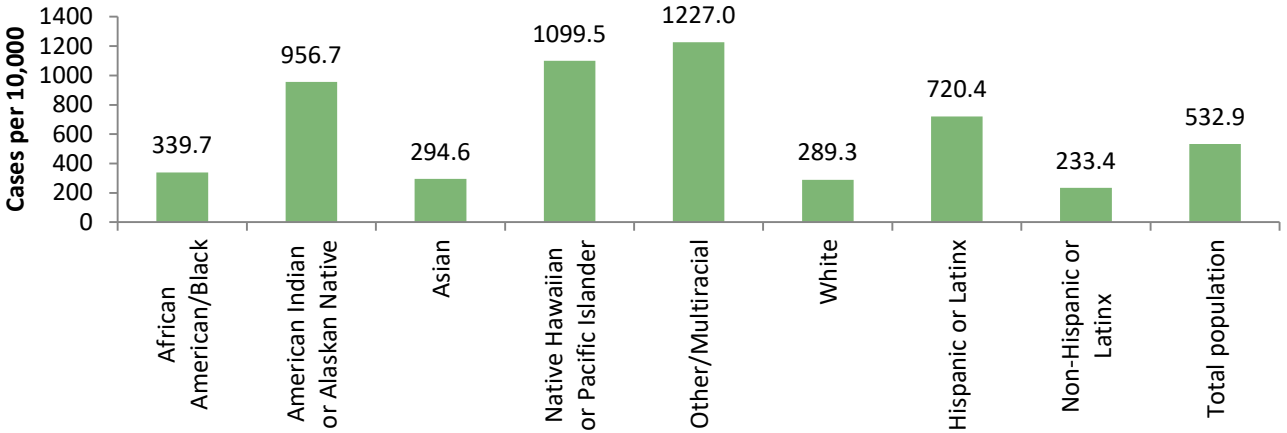
This slide shows the percentage of COVID-19 deaths in Marion County with underlying medical conditions. All of the 93 people who've died at the time of this report in Marion County had some sort of underlying medical condition (100.0%). The most common underlying condition for those who've died was heart related (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

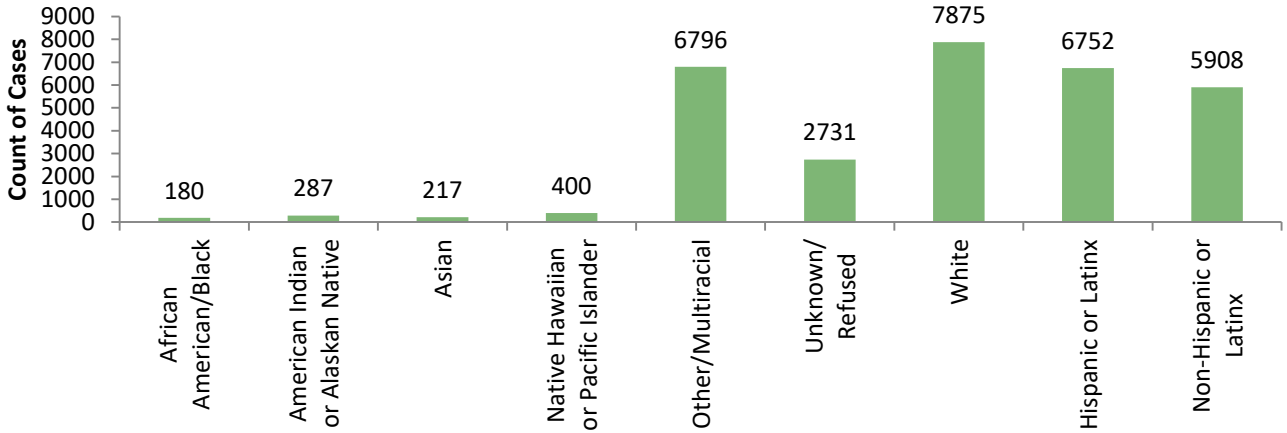


This slide shows the percentage of COVID-19 deaths broken out by the number of underlying conditions present at time of death. The majority of cases who died had 3 or more underlying illnesses. The average number of conditions was 2.8, with a minimum of 1, and maximum of 7. Generated 10/1/20. **Updated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

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

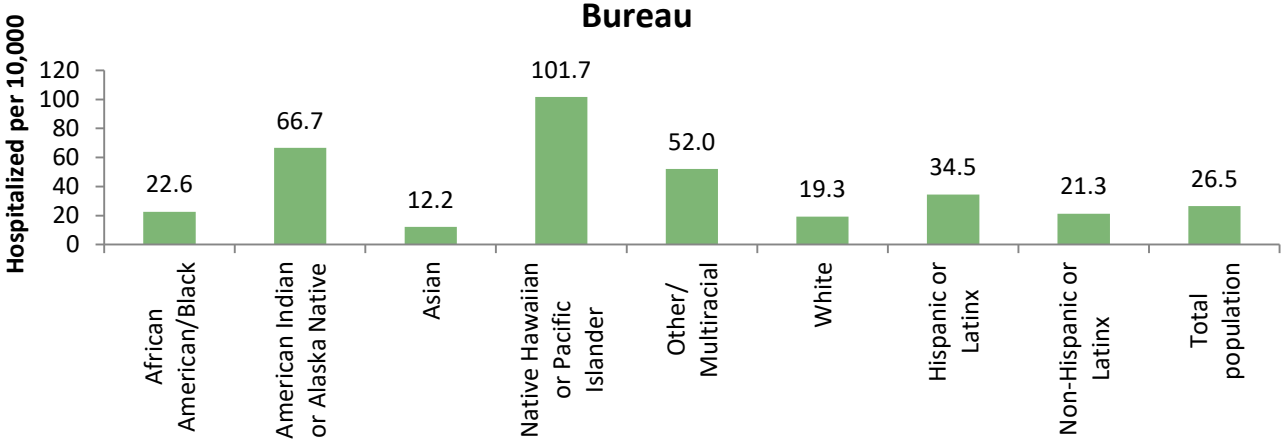


Count of COVID-19 cases (N=18,486) by race & ethnicity in Marion County, 1/1/20 - 3/1/21, ORPHEUS & Census Bureau

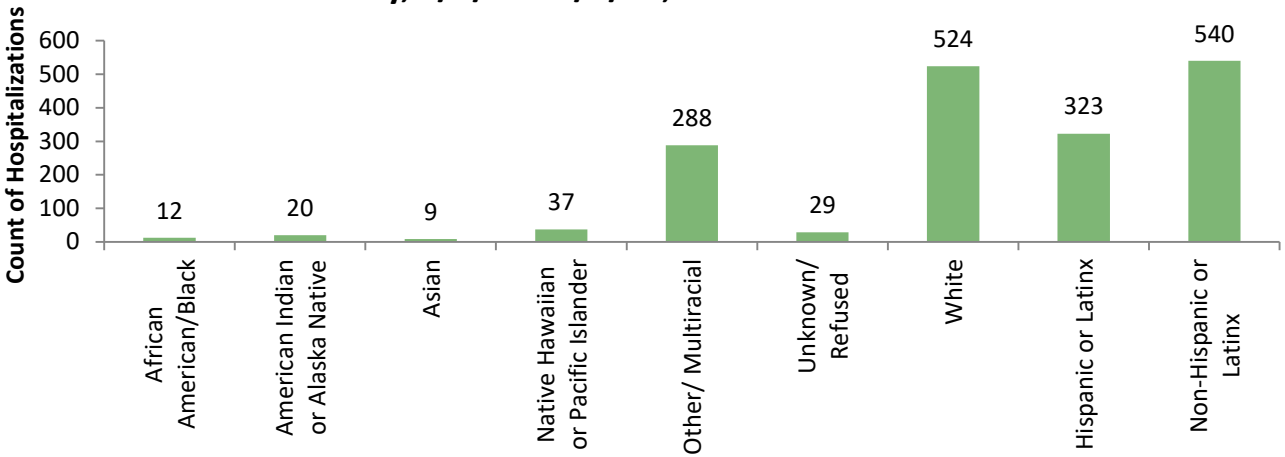


COVID-19 illness disproportionately affects communities of color. People who identified as Other or Multiracial had the highest incidence rates of any racial group in Marion County. People who identified as Hispanic or LatinX had higher incidence rates than their Non-Hispanic or LatinX counterparts (720.4 per 10,000 Vs. 233.4 per 10,000). At this time, 6,752 people from the Hispanic or LatinX community have had COVID-19 illness. Generated 2/28/21. **Updated bi-weekly**.

Rate of COVID-19 hospitalizations by race & ethnicity in Marion County per 10,000 population, 1/1/20 - 2/1/21, ORPHEUS & Census Bureau

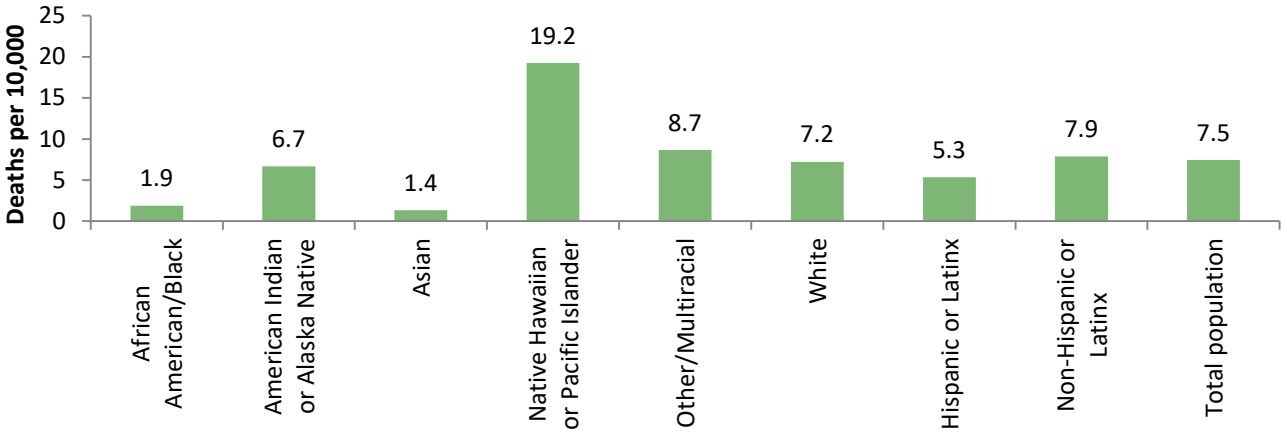


Count of COVID-19 hospitalizations(N=919) by race & ethnicity in Marion County, 1/1/20 - 2/1/21, ORPHEUS & Census Bureau

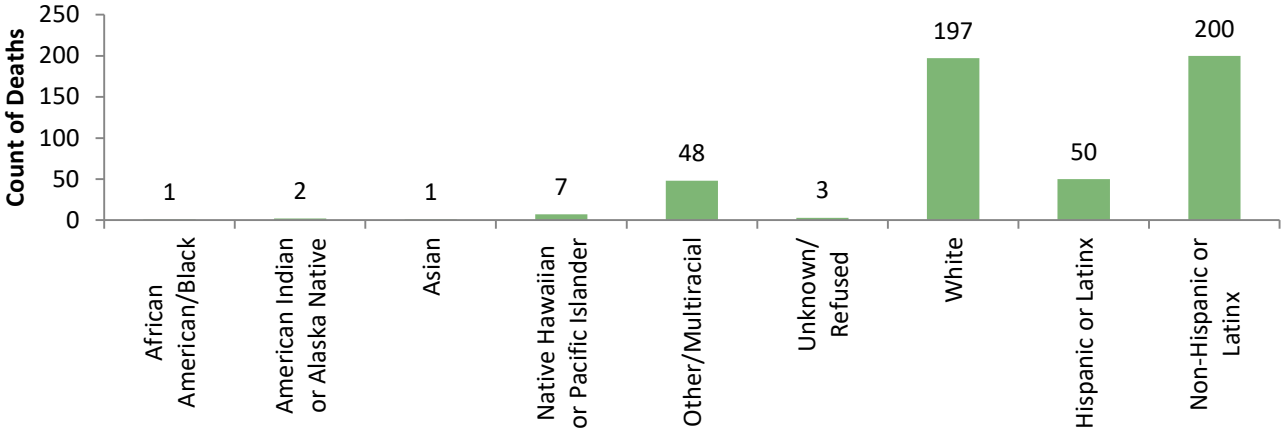


In the community, people who identified as Native Hawaiian or Pacific Islander had the highest rate of hospitalizations from COVID-19 of any racial group (101.7 per 10,000). People who identified as Hispanic or LatinX had higher hospitalization rates than their Non-Hispanic or LatinX counterparts (34.5 per 10,000 Vs. 21.3 per 10,000). At this time, 919 people in the community have been hospitalized with COVID-19. Generated 2/1/21. **Updated monthly**

Rate of COVID-19 deaths by race & ethnicity in Marion County per 10,000 population, 1/1/20 - 2/1/21, ORPHEUS & Census Bureau



Count of COVID-19 deaths (N=259) by race & ethnicity in Marion County, 1/1/20 - 2/1/21, ORPHEUS & Census Bureau



The COVID-19 mortality rate was highest amongst the Native Hawaiian and Pacific Islander community (19.2 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 (7.9 per 10,000 Vs. 5.3 per 10,000). At this time, 259 people in the community have died due to COVID-19. Generated 2/1/21. **Updated monthly**