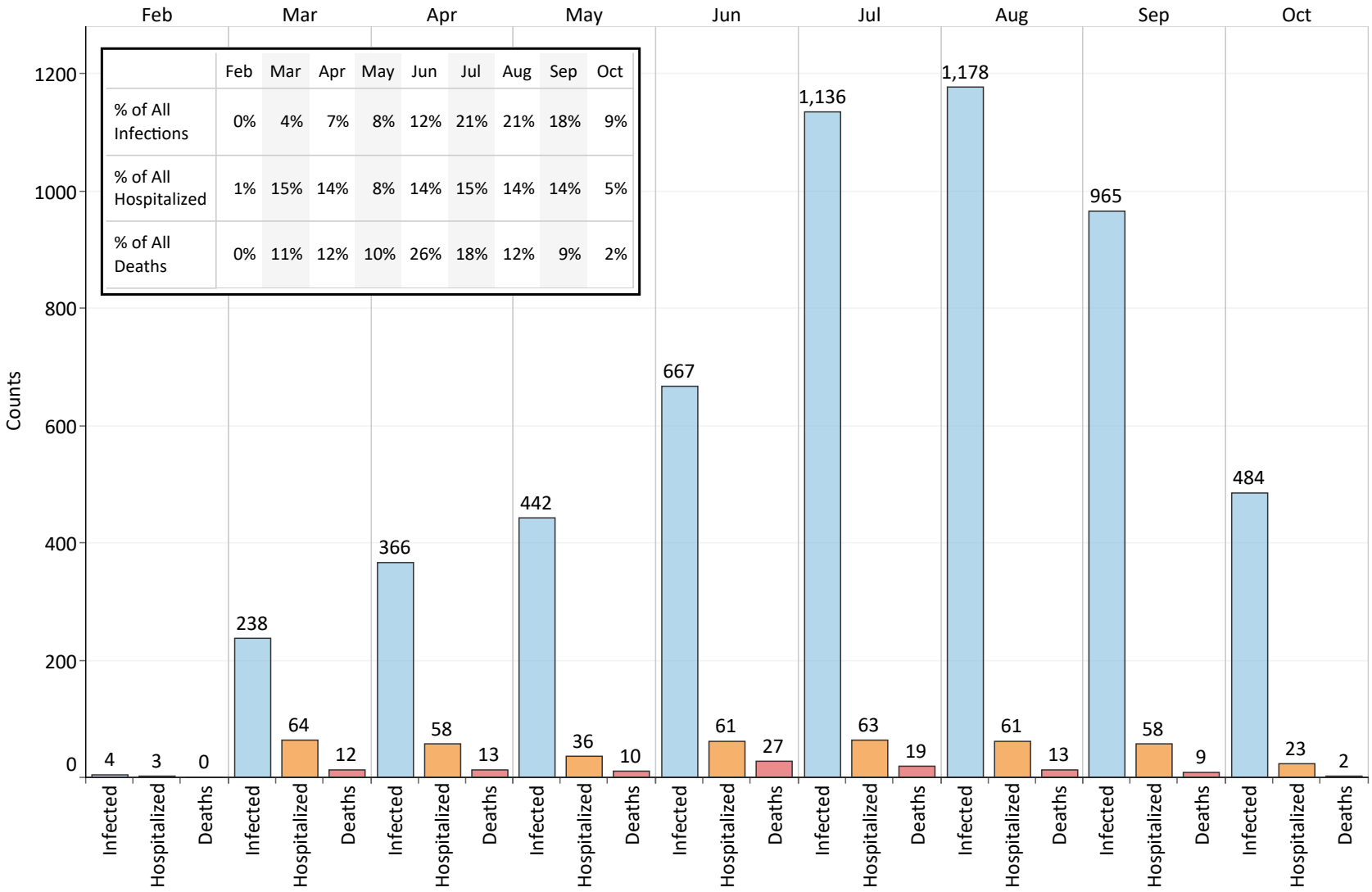
Marion County
OREGON
Health & Human Services

COVID-19 Data & Trends

October 20, 2020

Table of Contents

Infections, Hospitalizations & Deaths by Onset Date - Monthly Summary (through 10/17/20)

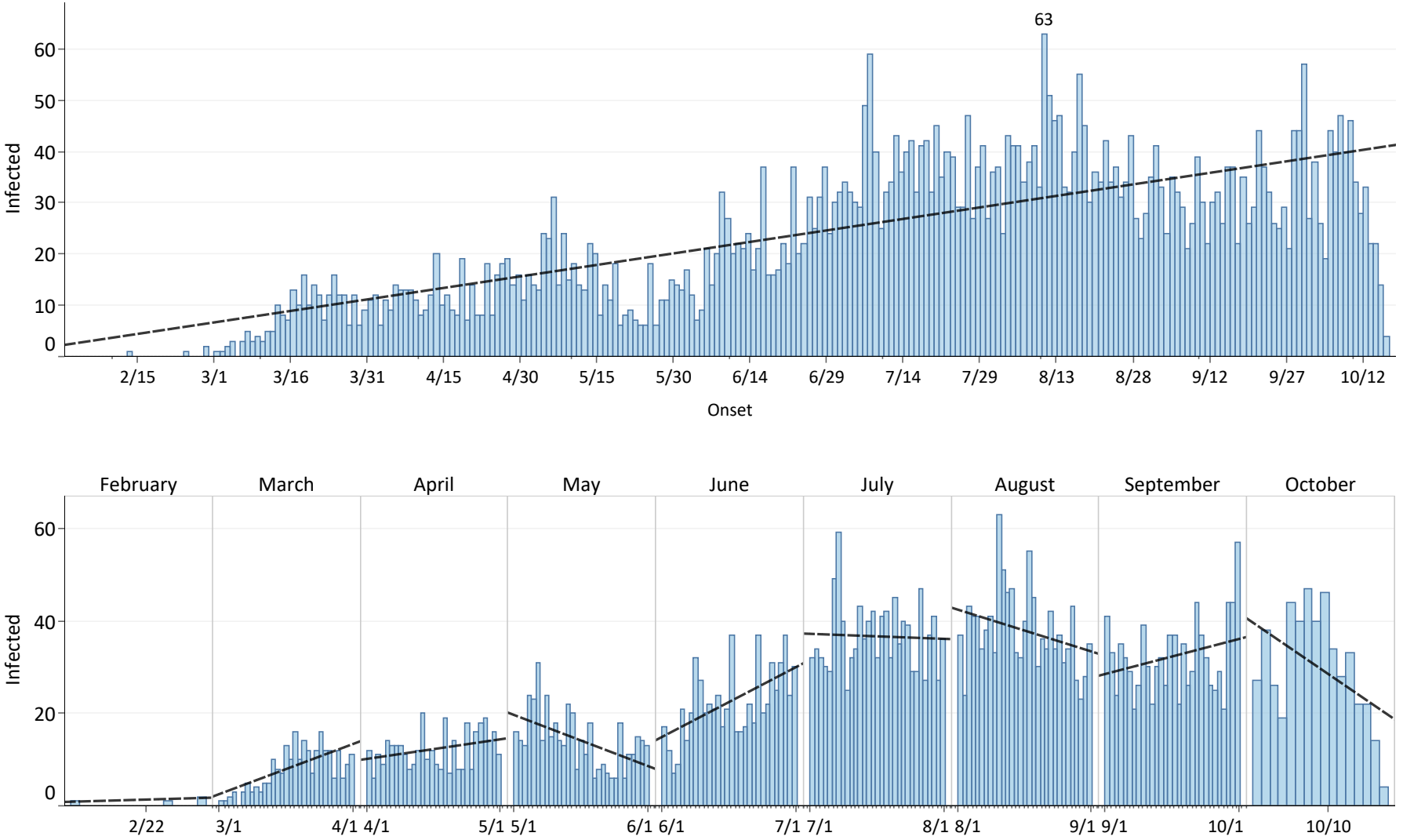


	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
% of All Infections	0%	4%	7%	8%	12%	21%	21%	18%	9%
% of All Hospitalized	1%	15%	14%	8%	14%	15%	14%	14%	5%
% of All Deaths	0%	11%	12%	10%	26%	18%	12%	9%	2%

This chart displays the monthly counts of infected people, hospitalizations, and deaths in Marion County. The table shows the distribution of these value by month over the course of the pandemic.

Updated: 10/17/20

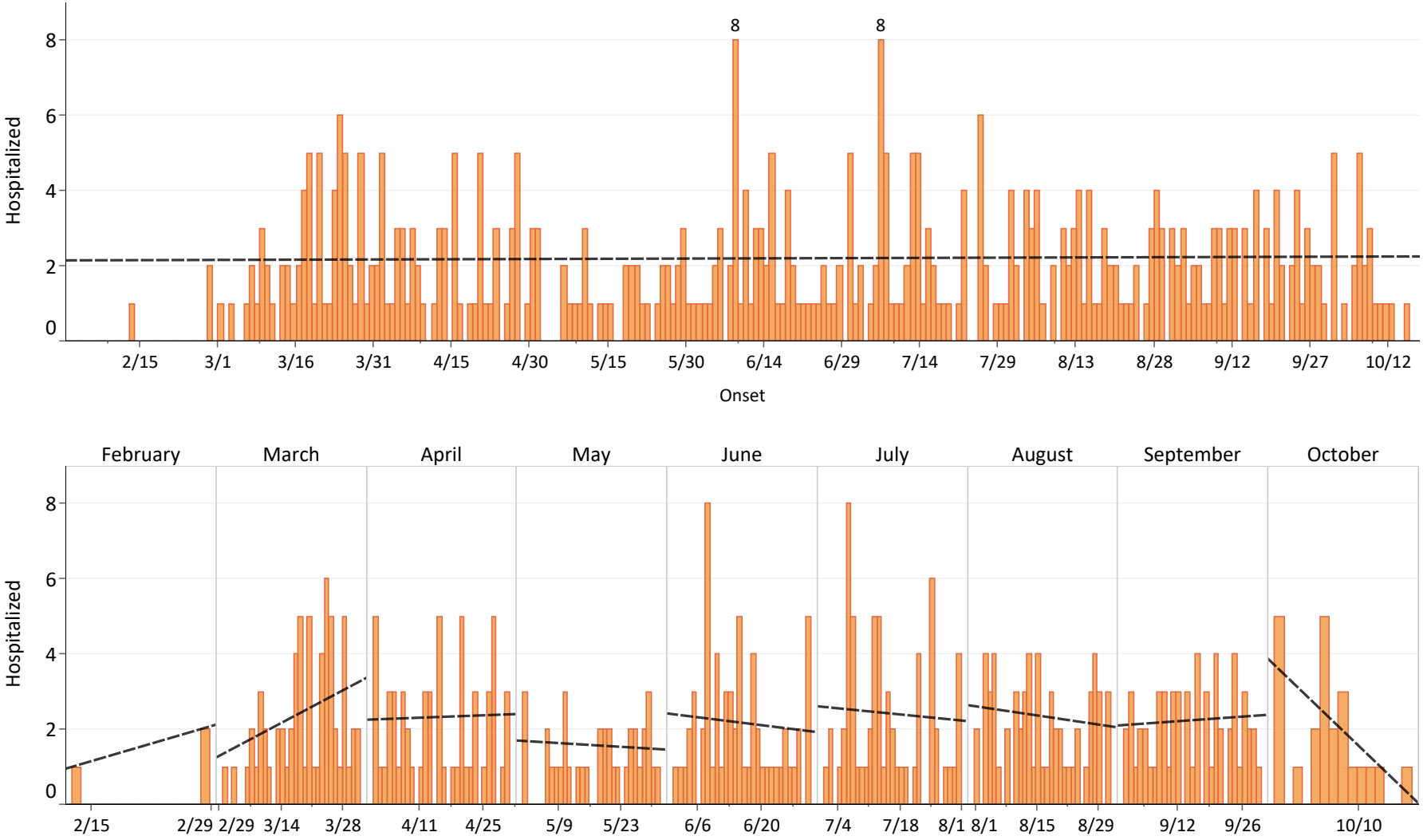
Cases: Numbers and Trends



Two views of number of infections over time by date of symptom onset: the top chart show the number of infections per day over time, along with a single trend line over the local pandemic period. The bottom chart shows how the trend changes by month, going through cycles of increase, plateau, and decrease.

Updated: October 17, 2020

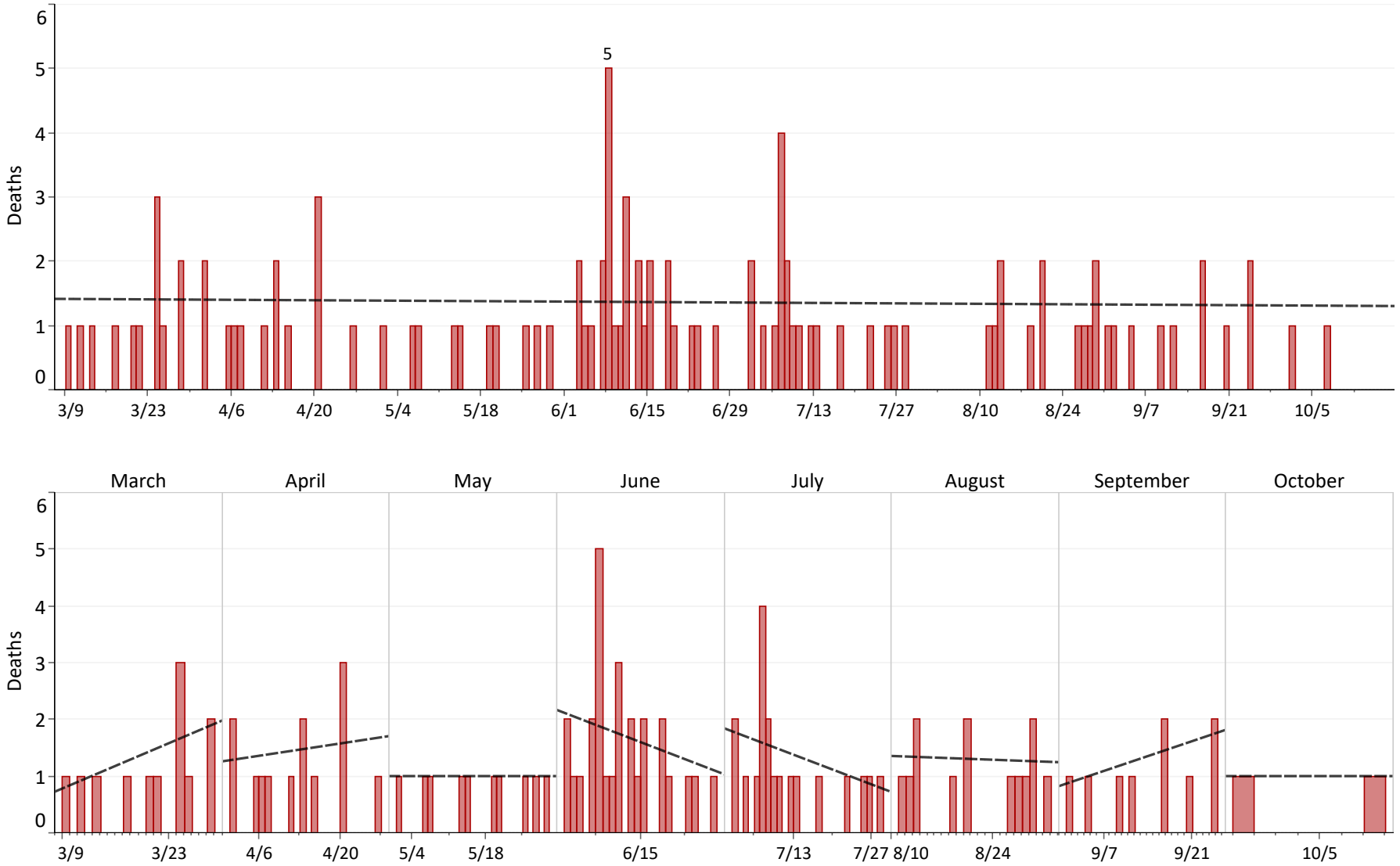
Hospitalizations: Numbers and Trends



Two views of hospitalizations over time by symptom onset date: the top chart show the number of infected people admitted to the hospital along with a single trend line over the local pandemic period. The bottom chart shows how the trend changes by month, going through cycles of increase, plateau, and decrease.

Updated: October 17, 2020

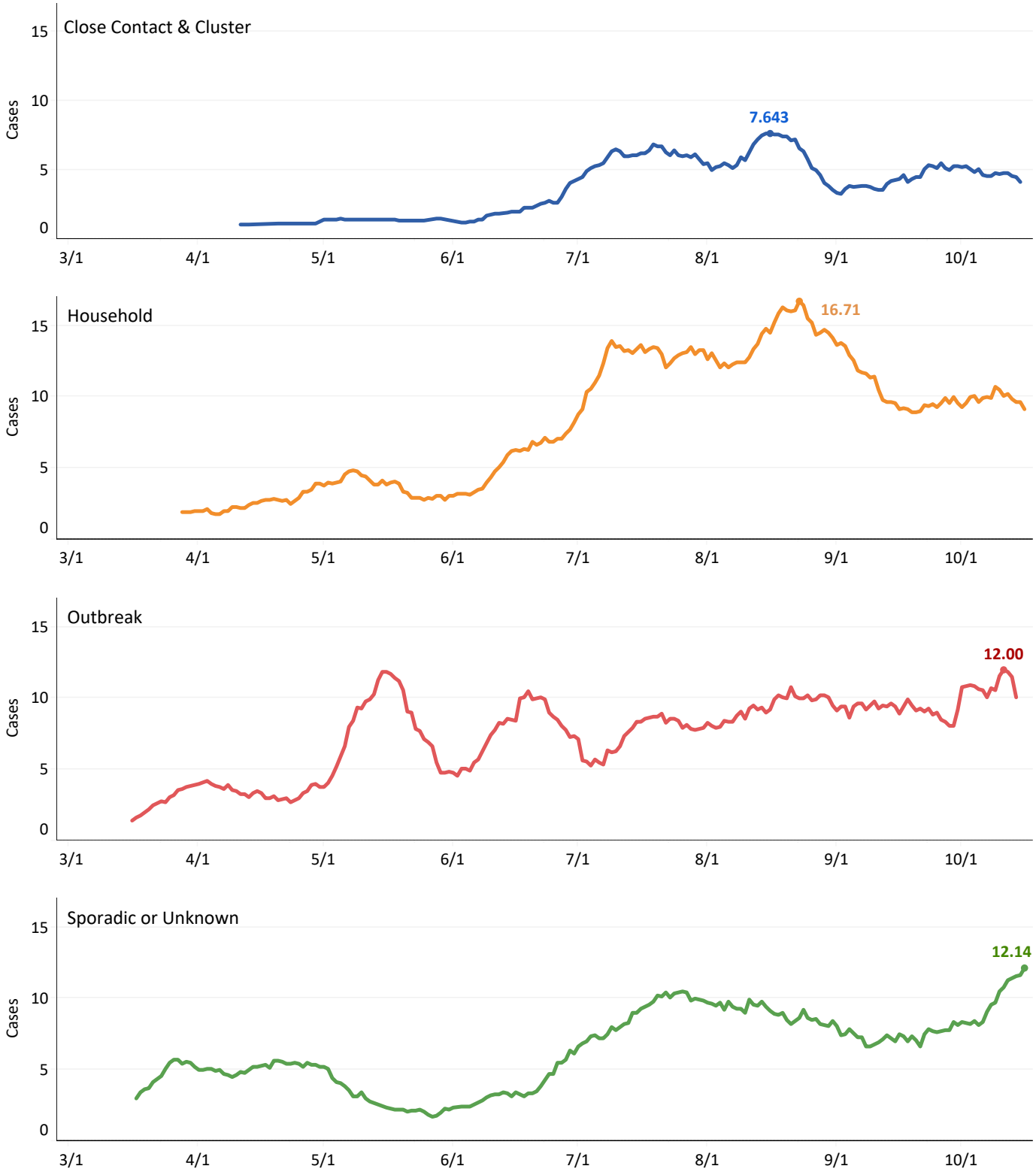
Deaths: Numbers and Trends



Two views of fatalities over time by symptom onset date: the top chart show the number of deaths over time, along with a single trend line over the local pandemic period. The bottom chart shows how the trend changes by month, going through cycles of increase, plateau, and decrease.

Updated: October 17, 2020

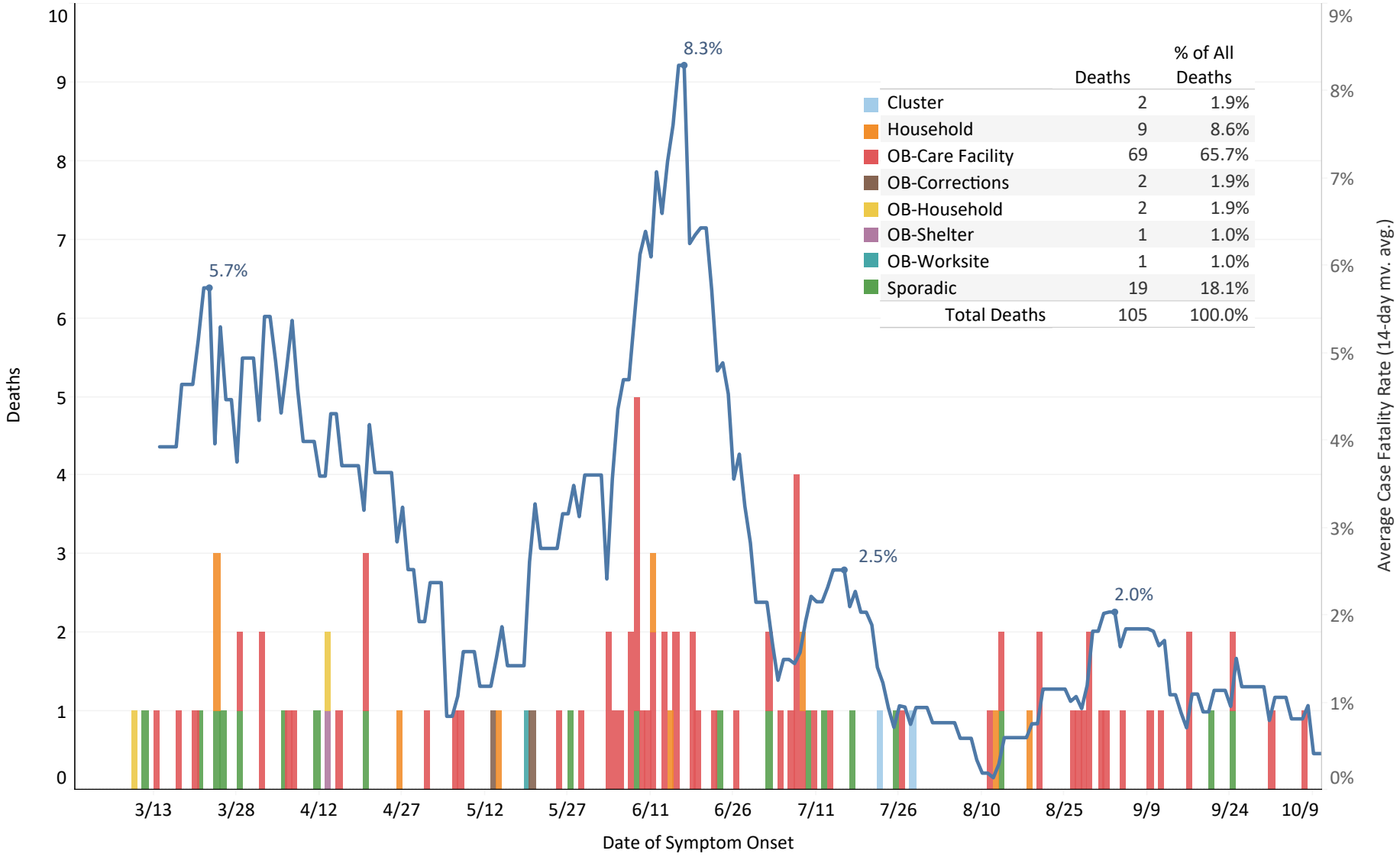
Infection Trends by Source (14-day moving average)



These four charts show the different sources of infection and their general trends using a 14-day moving average. The dates reflect the date of symptom onset.

Updated: October 17, 2020

Deaths by Infection Source and Case Fatality Rate

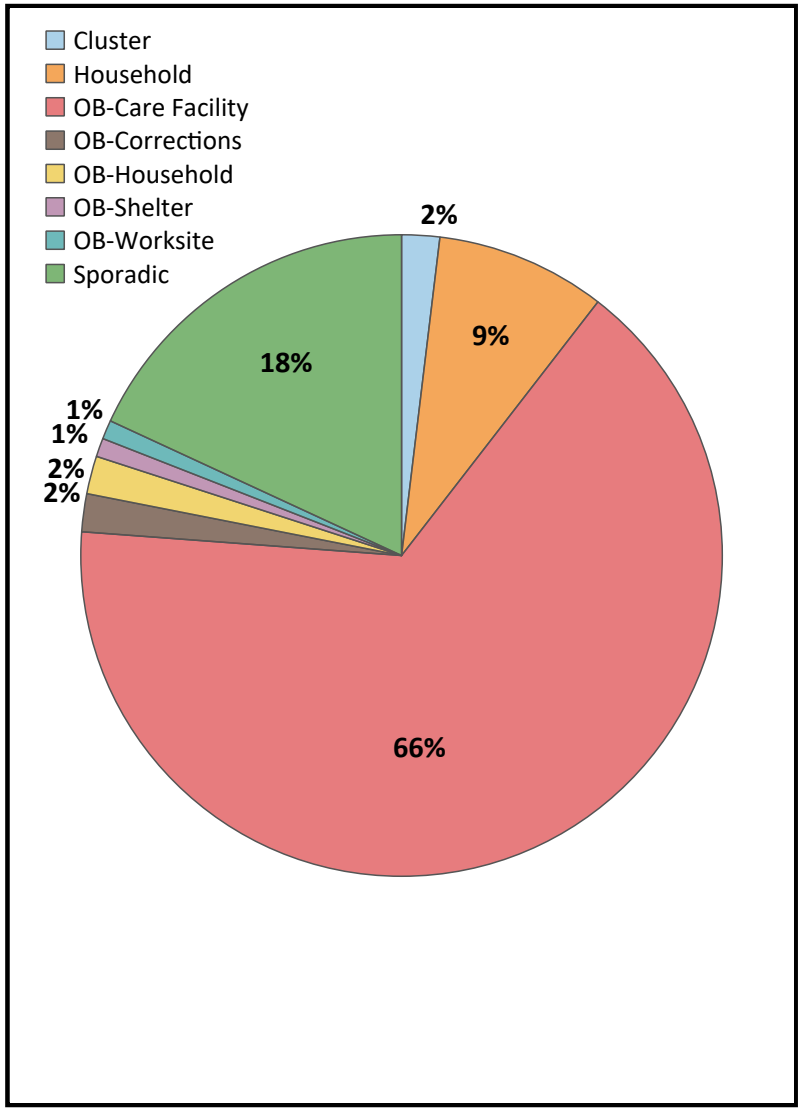


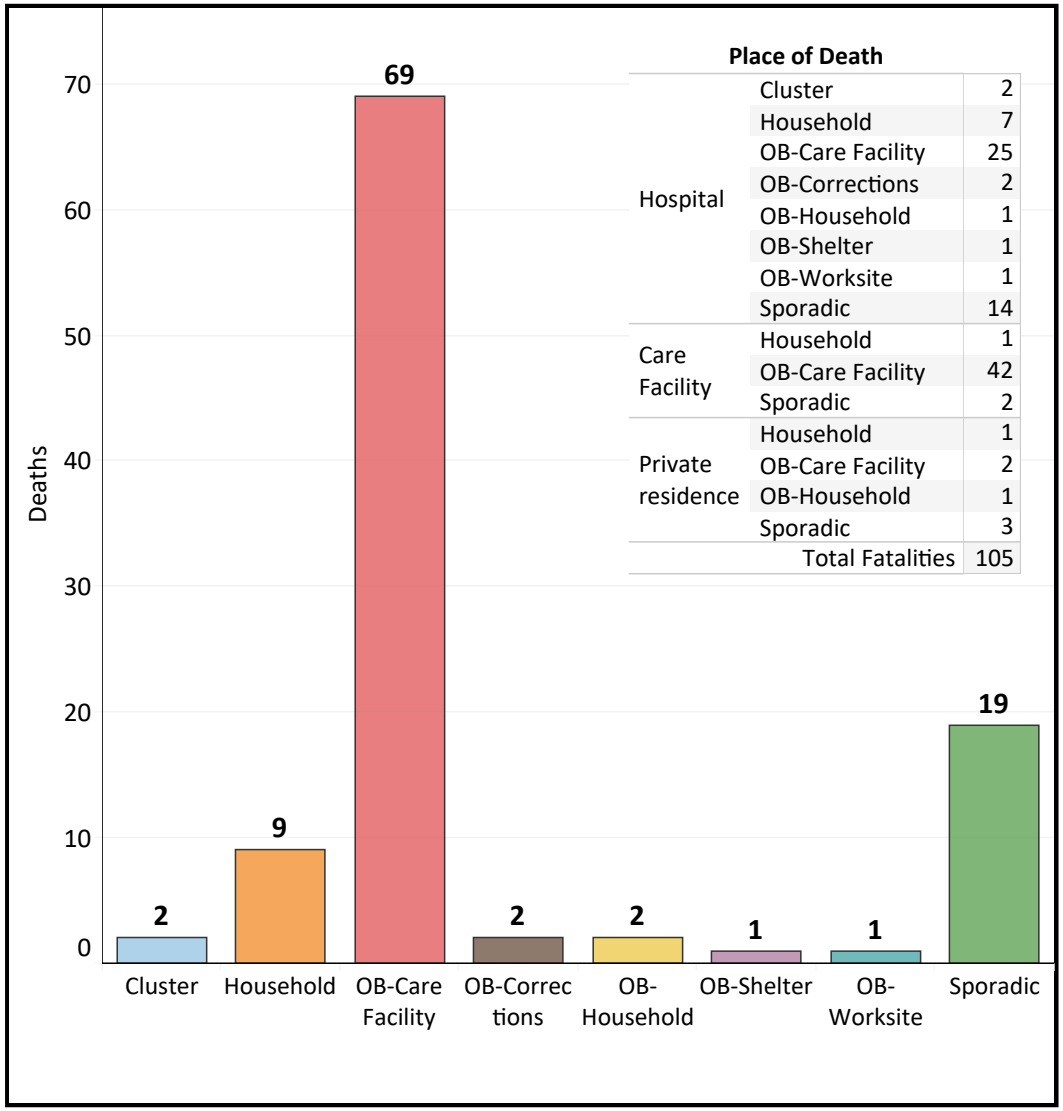
	Deaths	% of All Deaths
Cluster	2	1.9%
Household	9	8.6%
OB-Care Facility	69	65.7%
OB-Corrections	2	1.9%
OB-Household	2	1.9%
OB-Shelter	1	1.0%
OB-Worksite	1	1.0%
Sporadic	19	18.1%
Total Deaths	105	100.0%

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.

Updated: October 17, 2020

Distribution and Number of Deaths by Infection Source-Cumulative





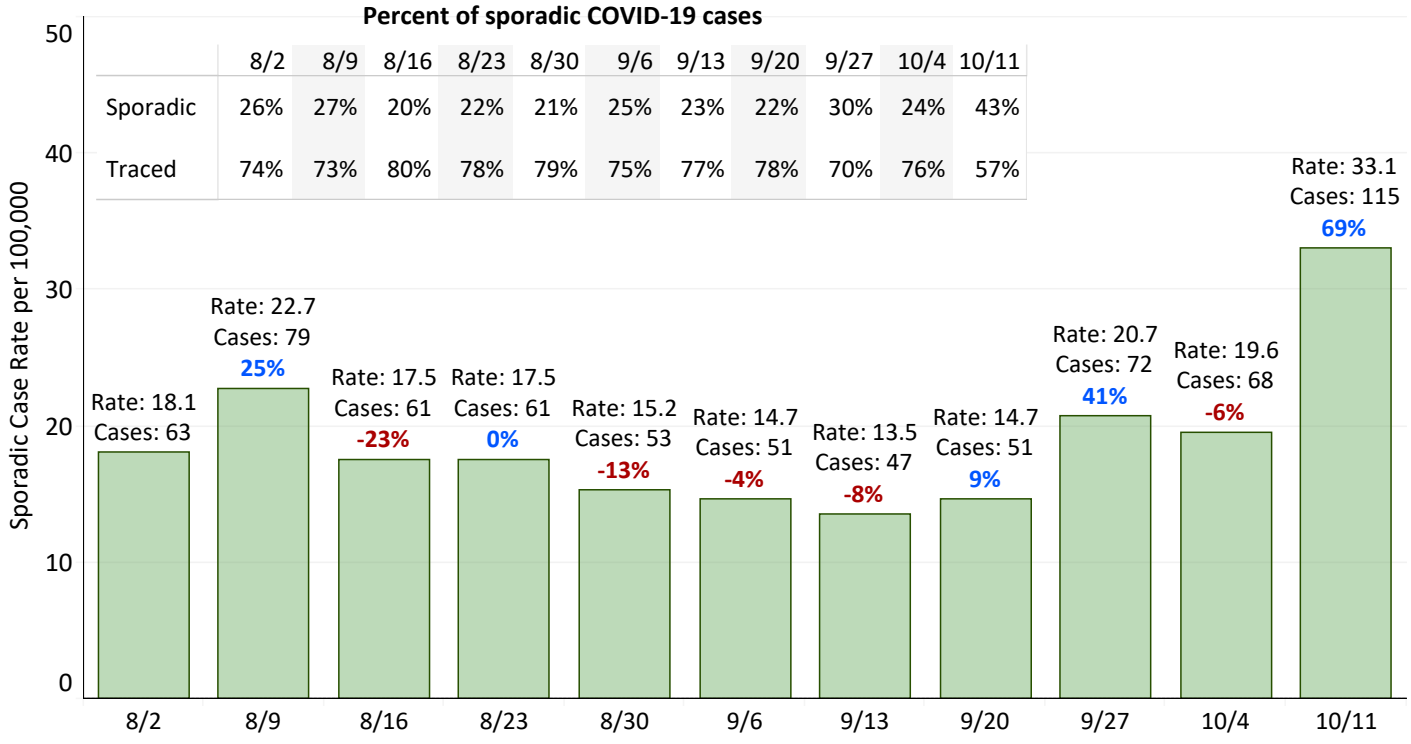
Place of Death

Hospital	Cluster	2
	Household	7
	OB-Care Facility	25
	OB-Corrections	2
	OB-Household	1
	OB-Shelter	1
	OB-Worksite	1
	Sporadic	14
Care Facility	Household	1
	OB-Care Facility	42
	Sporadic	2
Private residence	Household	1
	OB-Care Facility	2
	OB-Household	1
	Sporadic	3
	Total Fatalities	105

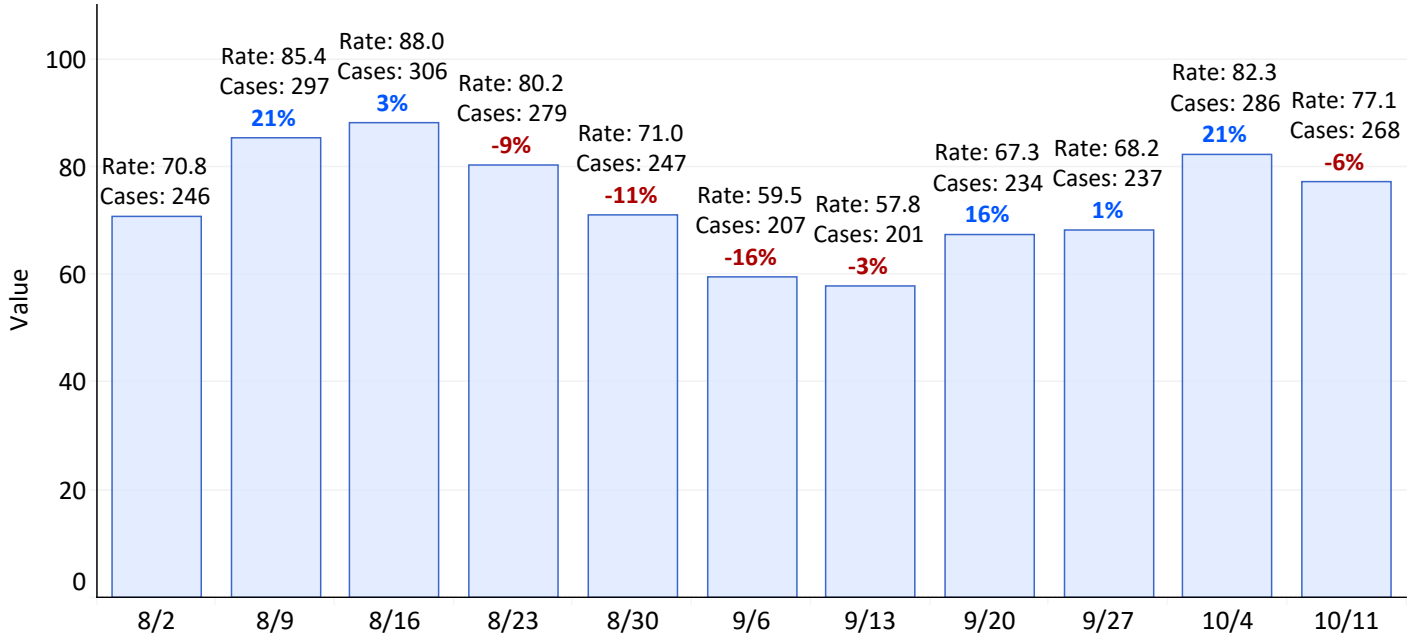
These two charts display the cumulative counts and percentages of deaths by source of infection. Also listed are the number of deaths, by place of death, for each source.

Update Date: October 17, 2020

Weekly Sporadic Case Rate and Counts (True Case Date: Sunday - Saturday)



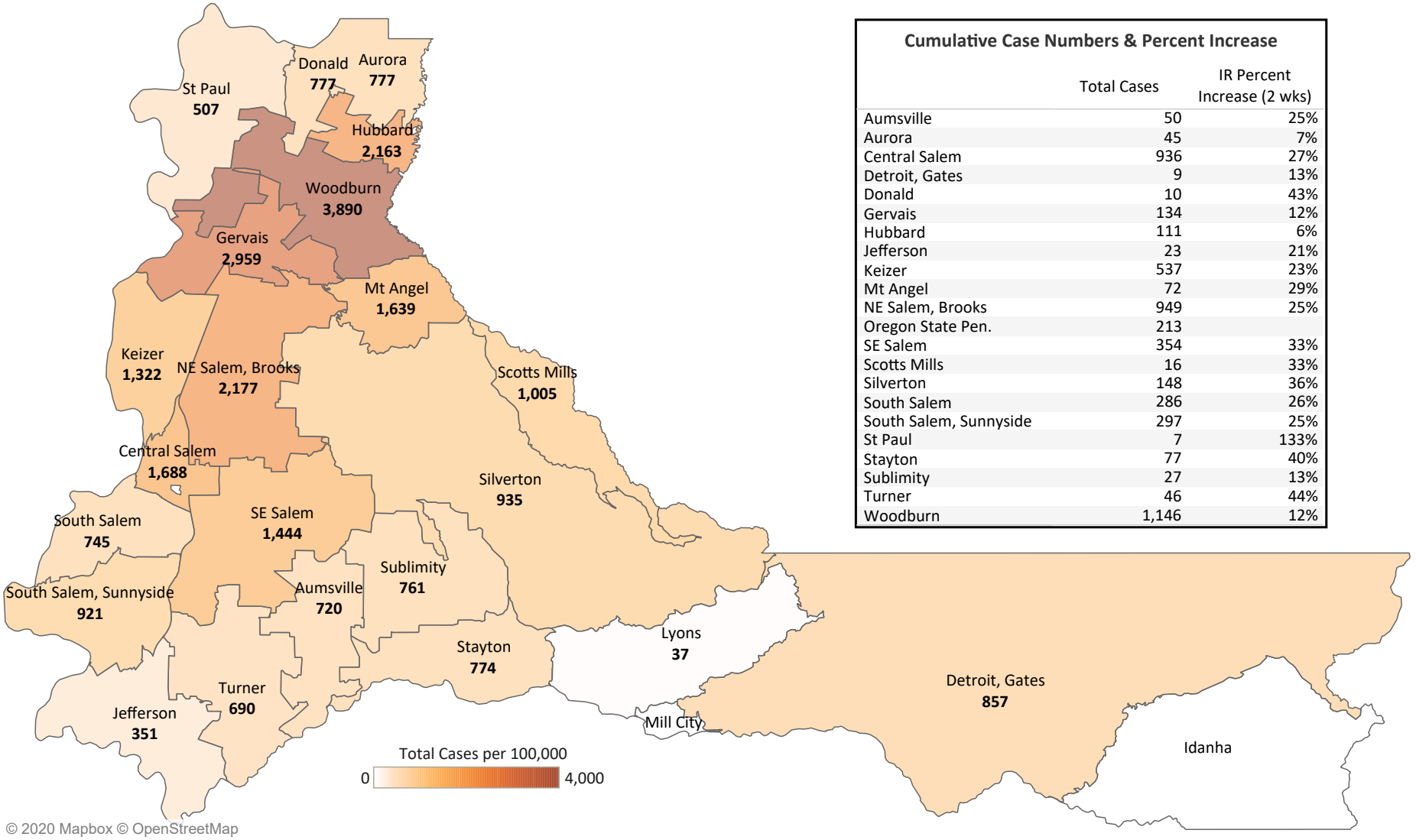
Weekly Case Rate and Counts (True Case Date: Sunday - Saturday)



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. Recent sporadic case counts will likely deline over time as cases are investigated.

Updated: October 17, 2020

Cumulative Incidence Rate (up through 10/19)



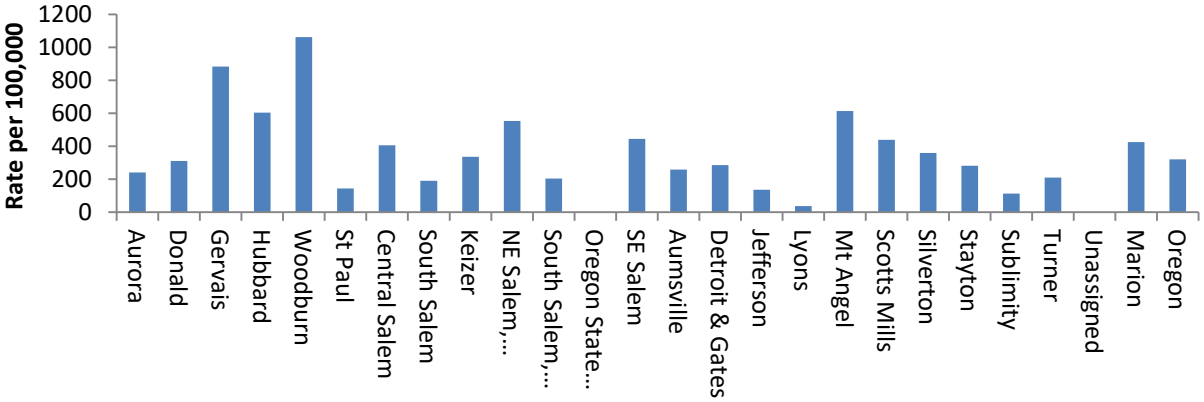
Cumulative Case Numbers & Percent Increase

	Total Cases	IR Percent Increase (2 wks)
Aumsville	50	25%
Aurora	45	7%
Central Salem	936	27%
Detroit, Gates	9	13%
Donald	10	43%
Gervais	134	12%
Hubbard	111	6%
Jefferson	23	21%
Keizer	537	23%
Mt Angel	72	29%
NE Salem, Brooks	949	25%
Oregon State Pen.	213	
SE Salem	354	33%
Scotts Mills	16	33%
Silverton	148	36%
South Salem	286	26%
South Salem, Sunnyside	297	25%
St Paul	7	133%
Stayton	77	40%
Sublimity	27	13%
Turner	46	44%
Woodburn	1,146	12%

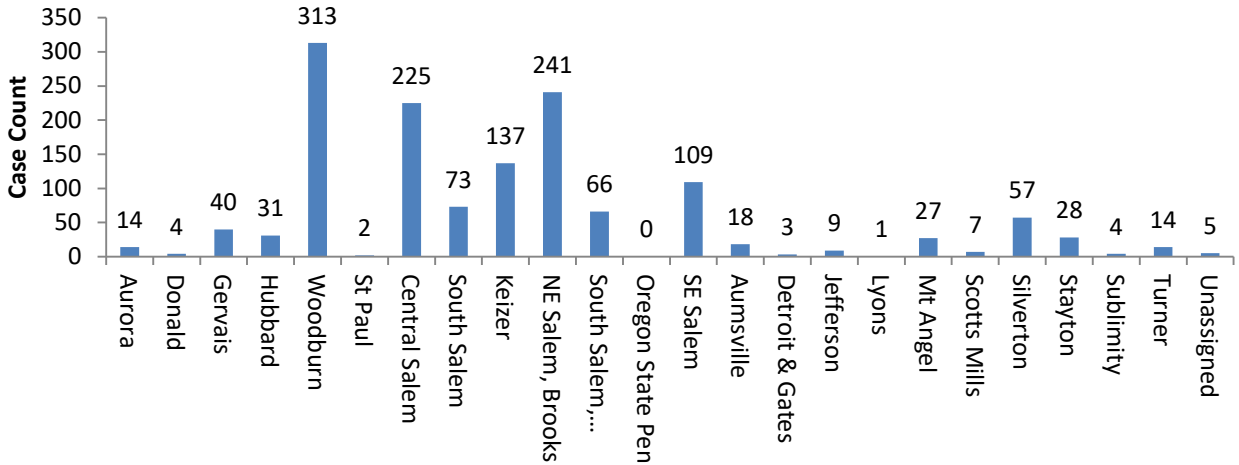
This map displays the cumulative number of cases per 100,000 by geographic area, highlighting areas of high infection rates. The table list case counts and percent increase over the past 14-days for each area.

Updated: October 19, 2020

Rate of COVID-19 sporadic cases by zip code in Marion County per 100,000 population, 1/1/20 - 10/17/20, ORPHEUS & Census Bureau

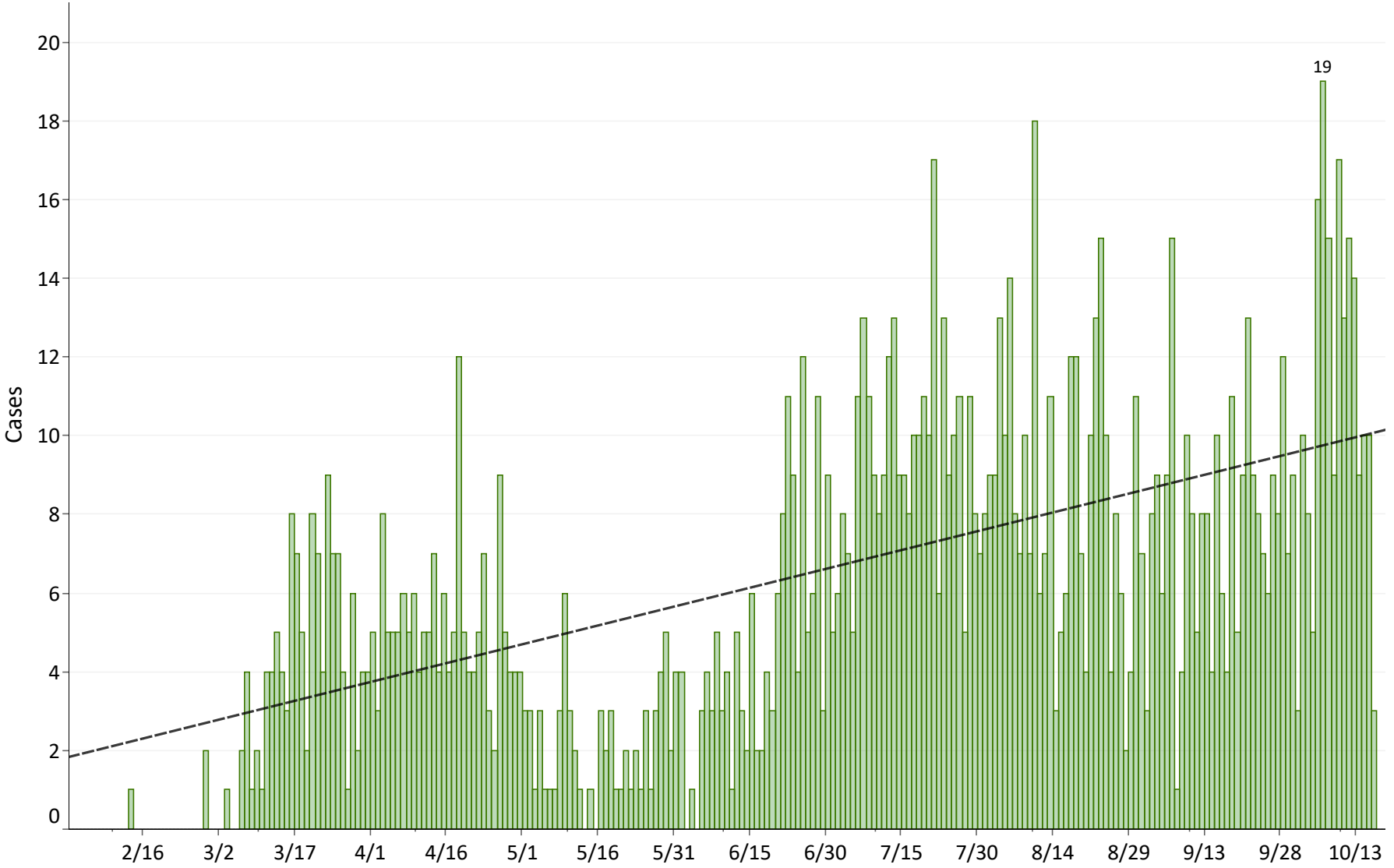


Count of COVID-19 sporadic cases by zip code in Marion County (N=1,428), 1/1/20 - 10/17/20, ORPHEUS & Census Bureau



This page shows the rate of sporadic (community acquired) covid-19 transmission per 100,000 amongst cases in Marion County. When taking population size into account, sporadic covid-19 transmission was highest in “North County” zip codes (Woodburn, Gervais, Hubbard, and Mt Angel). The bulk of sporadic cases by count are coming from Woodburn, Central Salem, and NE Salem Brooks. Generated 10/18/20.

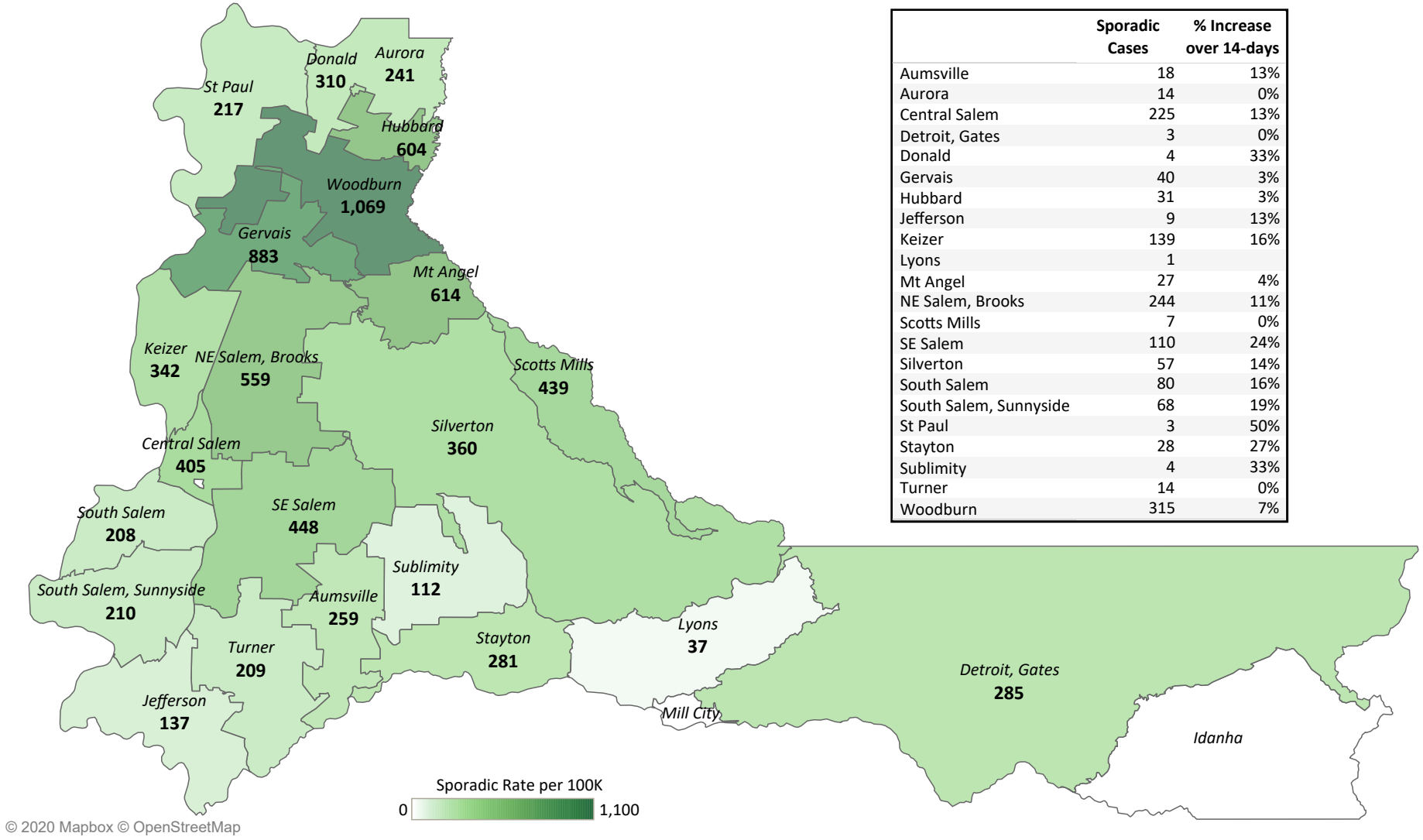
Daily Case Numbers Due to Sporadic Transmission (through 10/17)



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 and the general trend over the period of the pandemic.

Updated: October 17, 2020

Rate of Sporadic Transmission by Area (cases per 100,000)



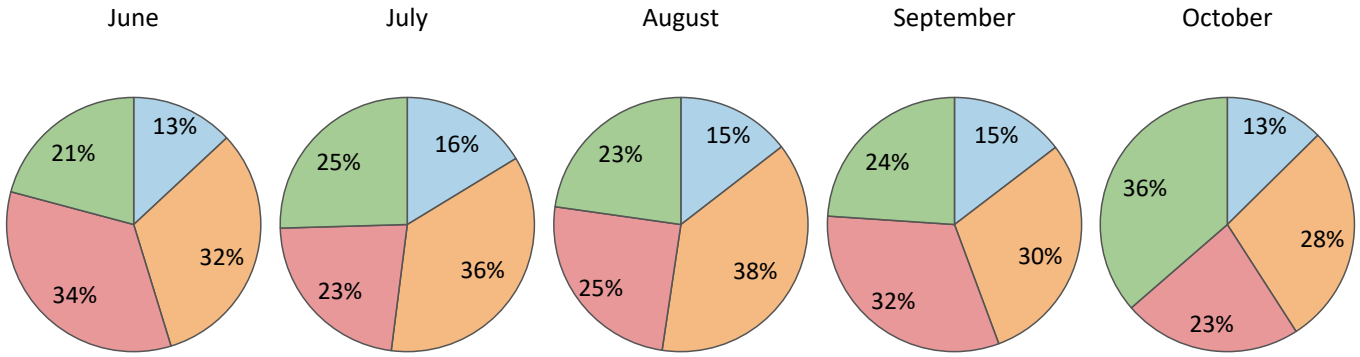
	Sporadic Cases	% Increase over 14-days
Aumsville	18	13%
Aurora	14	0%
Central Salem	225	13%
Detroit, Gates	3	0%
Donald	4	33%
Gervais	40	3%
Hubbard	31	3%
Jefferson	9	13%
Keizer	139	16%
Lyons	1	
Mt Angel	27	4%
NE Salem, Brooks	244	11%
Scotts Mills	7	0%
SE Salem	110	24%
Silverton	57	14%
South Salem	80	16%
South Salem, Sunnyside	68	19%
St Paul	3	50%
Stayton	28	27%
Sublimity	4	33%
Turner	14	0%
Woodburn	315	7%

This maps displays the cumulative incidence rate (per 100,000) by area for cases with sporadic transmission, The table shows sporadic cases numbers and the associated percent increase over the past 14 days.

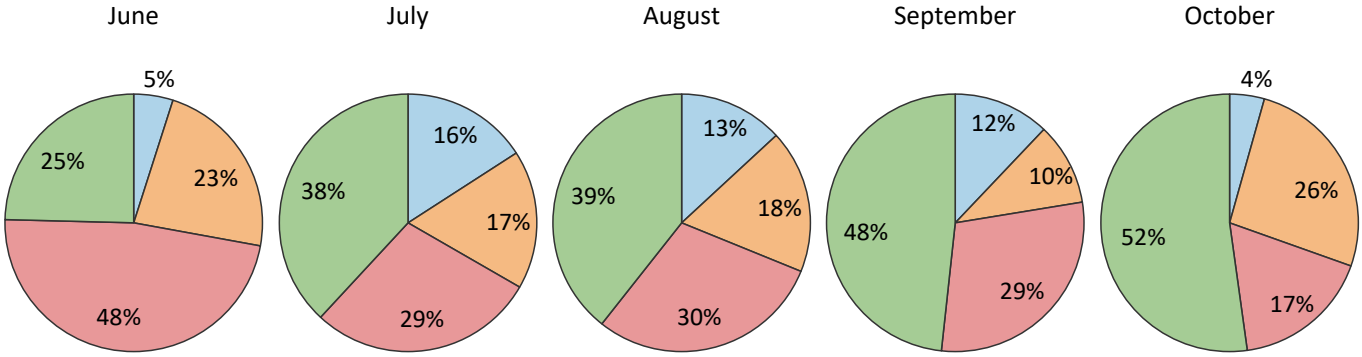
Updated: October 17, 2020

Distribution of Cases, Hospitalizations and Deaths by Infection Source

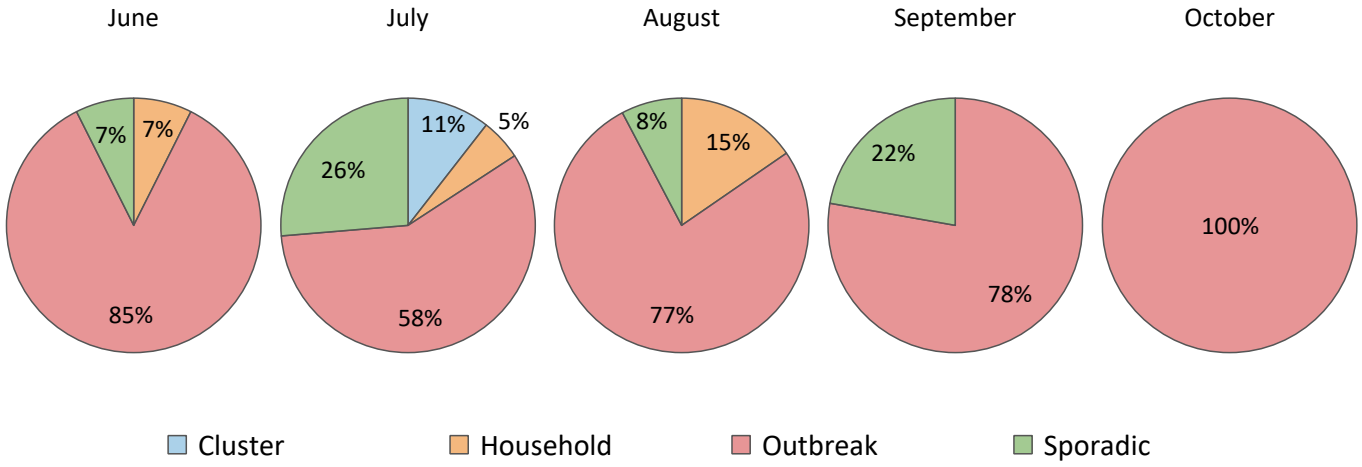
Cases



Hospitalizations



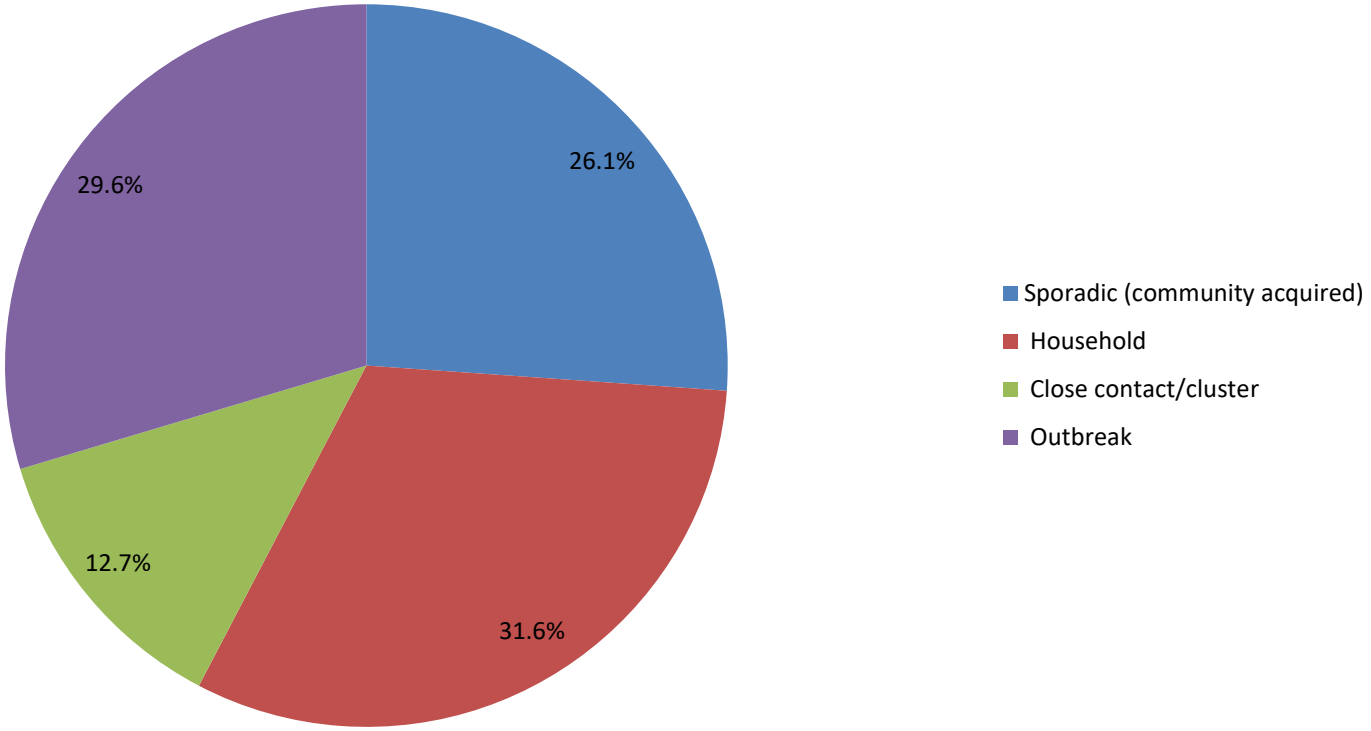
Deaths



Charts display the monthly distribution by infection source for Cases, Hospitalized and Deaths, over the past five months. The data reflects date of symptom onset.

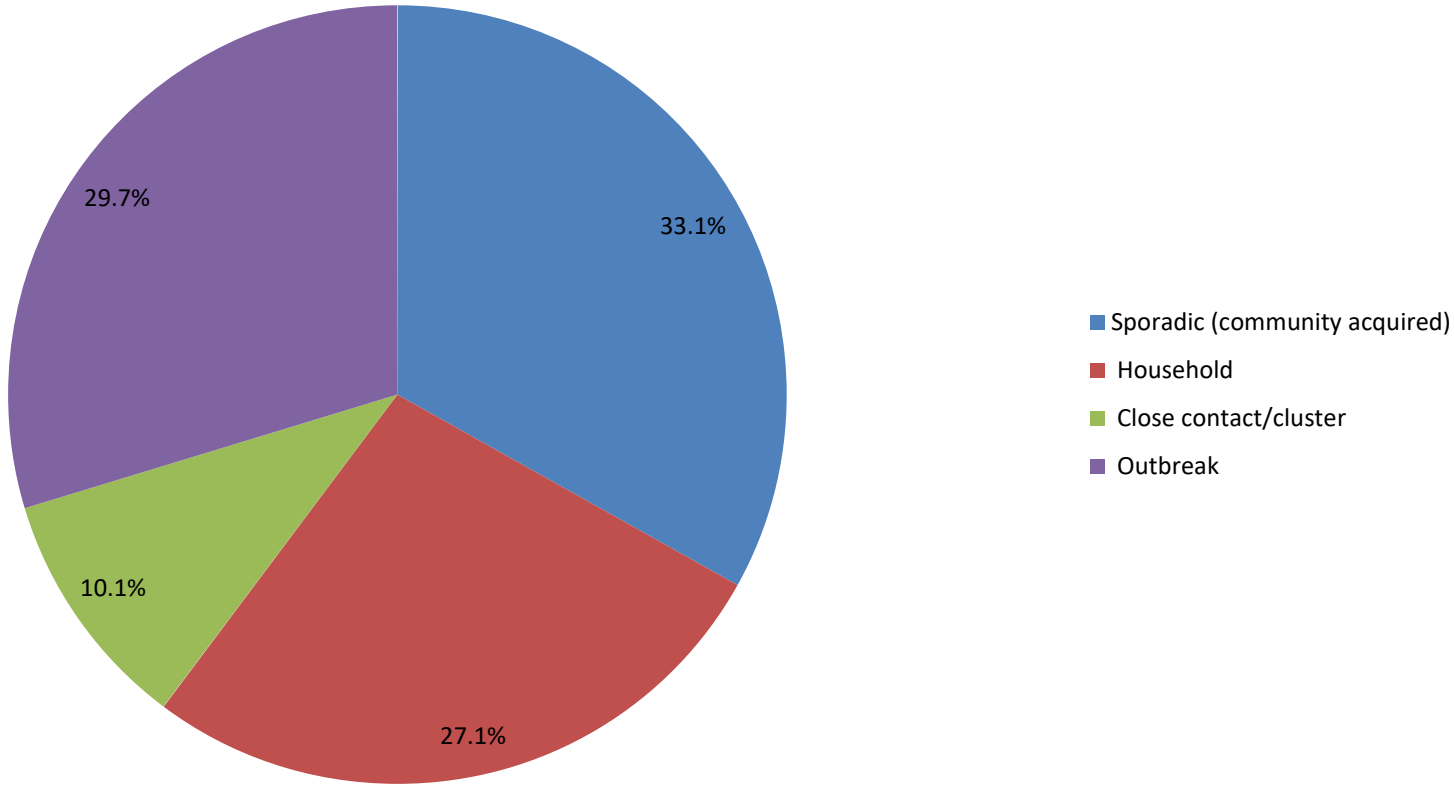
Updated: October 17, 2020

Percentage of COVID-19 cases in Marion County by source of infection, 1/1/20 - 10/17/20, ORPHEUS



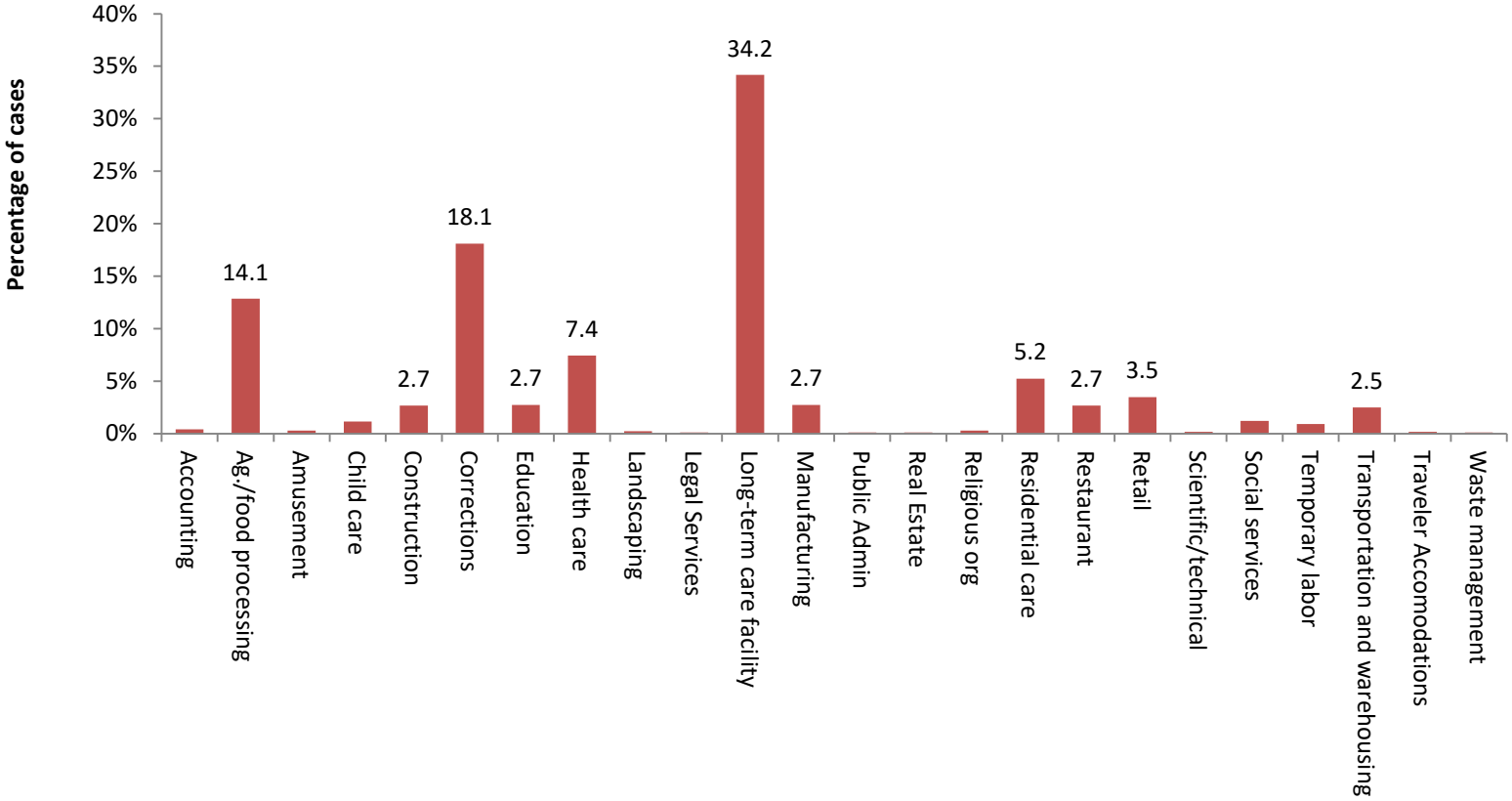
This page shows the breakdown of infection source for covid-19 cases in Marion County. The most common type of infection source in Marion is household transmission (32%), followed by outbreaks (30%). **It is important to note that this figure should not be directly compared to the state graph as they 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 10/18/20.

Percentage of COVID-19 cases in Oregon by source of infection, 1/1/20 - 10/17/20, ORPHEUS



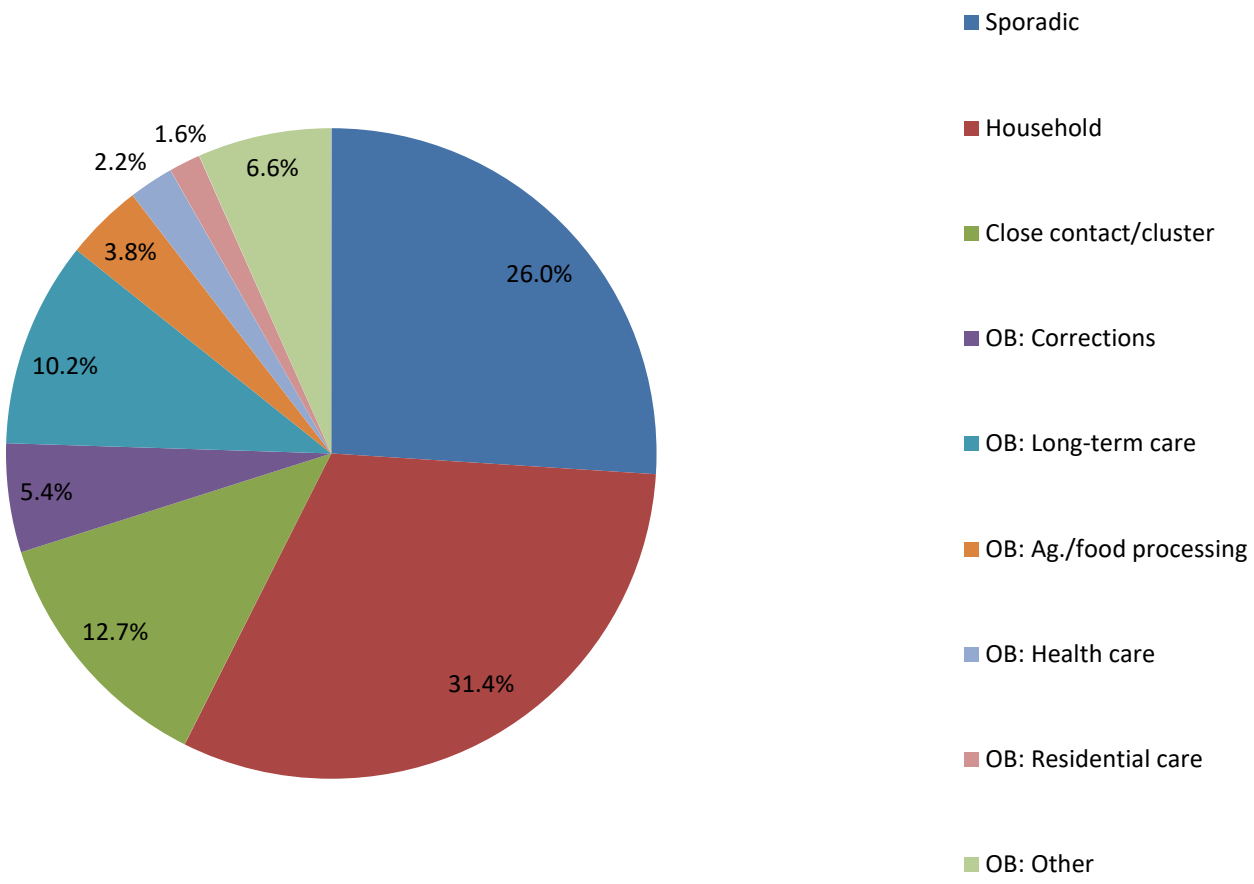
This page shows the percentage of covid-19 cases by the likely source of infection in Oregon. In Oregon, the most common source of infection for covid-19 cases are sporadic (33%), or that they cannot be ascertained, these are said to be “community acquired”. The second most common source is outbreaks (30%), followed by household transmission(27%). **It is important to note that this figure should not be directly compared to the Marion graph as they don’t take into account differences in population size.** Generated 10/18/20.

Percentage of COVID-19 cases associated with an outbreak by type of facility in Marion County, 10/17/20, ORPHEUS



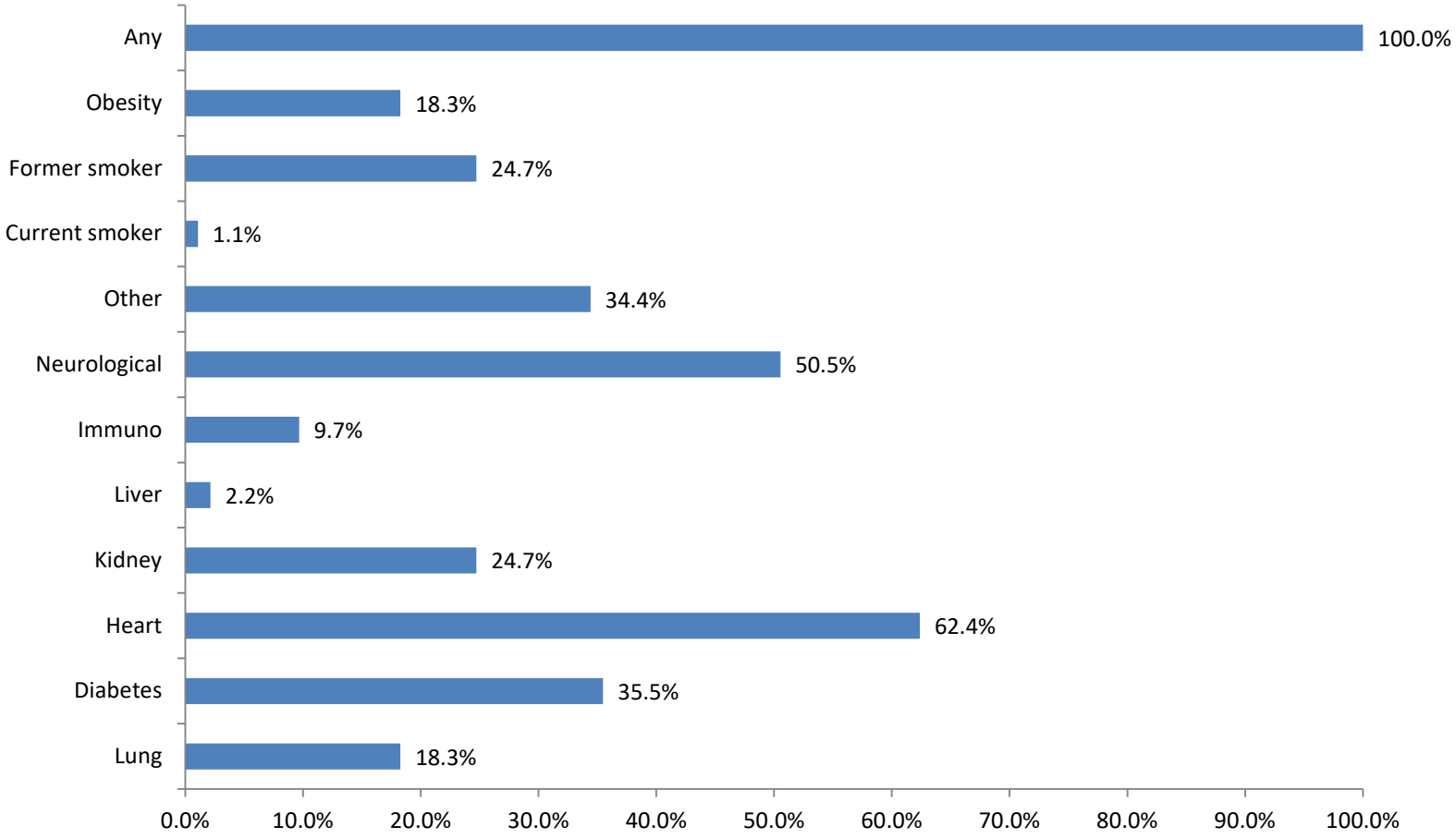
This page shows the percentage of covid-19 cases by type of outbreak facility in Marion County. The most common source of outbreaks were at long-term-care-facilities (LTCF) (34%), followed by corrections (18%), and agricultural/food processing (14%). Generated 10/18/20.

Percentage of COVID-19 cases associated with an outbreak by type of facility in Marion County, 1/1/20 - 10/17/20, ORPHEUS



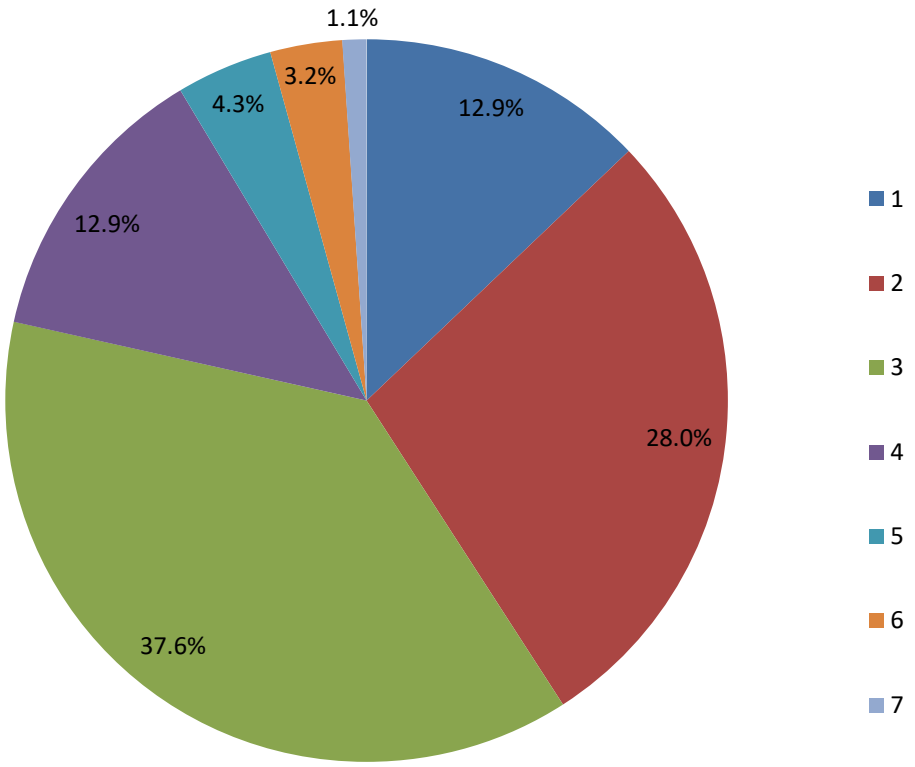
This page shows the overall summary of source of covid-19 infection in Marion County with a further breakdown of outbreaks. OB = outbreaks. Generated 10/18/20.

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



This page shows the percentage of covid-19 deaths in Marion County with underlying medical conditions. All of the 93 people who've died in Marion County had some sort of underlying medical condition (100%). The most common underlying condition for those who've died was heart (62%), neurological (51%), diabetes (36%), and other conditions (34%). 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.

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 average number of conditions was 2.8, with a minimum of 1, and maximum of 7. Generated 10/1/20.