

# **COVID-19 Data & Trends**

April 13, 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 Infections Source and Case Fatality Rate
- 7. Distribution and Number of Deaths by Infection Source Cumulative
- 8. Metrics for Returning to In-Person Instruction
- 9. County Risk Level Metrics
- 10. Map: Cumulative Case Counts and Rates by Zip Code
- 11. Map: Case Counts and Rates by Zip Code for Current Watch Period
- 12. Rate and Count of COVID-19 Sporadic Cases by Zip Code in Marion County per 100,000 population
- 13. Infections Due to Sporadic Transmission
- 14. Map: Cumulative Sporadic Case Counts and Rates by Zip Code
- 15. Map: Sporadic Case Counts and Rates by Zip Code for Current Watch Period
- 16. Distribution of Cases, Hospitalizations, and Deaths by Infection Source
- 17. Percentage of COVID-19 Cases in Marion County by Source of Infection
- 18. Percentage of COVID-19 Cases in Oregon by Source of Infection
- 19. Percentage of COVID-19 Cases Associated with an Outbreak by Type of Facility in Marion County
- 20. Count and Percentage of COVID-19 Cases Associated with an Outbreak by Type of Facility
- 21. Percentage of COVID-19 Deaths in Marion County with Underlying Medical Conditions
- 22. Percentage of COVID-19 Deaths in Marion County by the Number of Underlying Medical Conditions
- 23. Rate and Count of COVID-19 Cases by Race & Ethnicity in Marion County per 10,000 population
- 24. Rate and Count of COVID-19 Cases by Race & Ethnicity in Marion County, 3/28-4/12
- 25. Rate and Count of COVID-19 Hospitalizations by Race & Ethnicity in Marion County
- 26. Rate and Count of COVID-19 Deaths by Race & Ethnicity in Marion County
- 27. Rate and Count of COVID-19 Cases by Rate & Ethnicity in Marion County
- 28. Rate and Count of COVID-19 Cases by Race & Ethnicity in Marion County, 3/28-4/10
- 29. Count of COVID-19 Cases for AIC in Marion County
- 30. Percentage of COVID-19 Cases for AIC vs. Non-AIC in Marion County
- 31. Percentage of COVID-19 Cases in Marion County by Source of Infection for 20-29 year olds
- 32. Count of COVID-19 cases by top ten industries for 20-29 year olds

#### 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	Mar	Apr	
Case Hospitalized Rate	100.0%	26.4%	15.8%	8.1%	9.2%	5.8%	5.4%	6.2%	4.9%	5.8%	4.5%	4.5%	5.8%	6.5%	3.1%	5.8%
Case Fatality Rate	0.0%	5.0%	3.5%	2.5%	4.1%	1.8%	1.2%	1.5%	1.2%	2.1%	1.3%	0.7%	0.7%	0.3%	0.0%	1.5%

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

	2020												Grand Total			
	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	
Cases	0%	1%	2%	2%	3%	6%	6%	5%	8%	19%	23%	14%	5%	5%	1%	100%
Hospitalized	0%	5%	5%	3%	5%	6%	6%	5%	7%	18%	18%	11%	5%	5%	1%	100%
Deaths	0%	4%	4%	4%	9%	7%	5%	5%	7%	26%	20%	7%	2%	1%	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.

Data Updated: 4/11/2021 1:40:18 PM

#### **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: 4/11/2021 1:40:18 PM

#### **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.



#### 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. In the last two months, deaths due to COVID-19 have decreased dramactially, with outbreaks at long-term care facilities (in red) no longer eclipsing other causes.

#### 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 stands for outbreak.



#### Metrics for Returning to In-Person Instruction (Public Schools)

Two-Week Case Rate (per 100,000)

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 and positivity thresholds defined in Exe Order No. 21-06, March, 2021.

#### **County Risk Level Metrics**



Two-Week Case Rate (per 100,000)

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). This period, both cases and positivity have increased, pushing the County back into the middle of the High Risk area.

Two-Week Test Positivity



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



This map is a companion to the watch metrics, showing how cases counts and rates during the current watch period (3/28-4/10) varied geographically and how these values compare with those of the previous watch period (3/21-4/3). Blank percent change entries are due to zero case counts last period. Dates reflect true case date.



## Rate of COVID-19 sporadic cases by zip code in Marion County per 100,000 population, 1/1/20 - 4/10/21, 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 4/10/21. \*\*Updated biweekly\*\*





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.



This map displays the cumulative number of cases due to sporadic tranmission per 100,000 by geographic area. The table lists total case counts and the percent increase and number of new cases over the past 14-days for each area.



This map is a companion to the watch metrics, showing how sporadic cases counts and rates during the current watch period (3/28-4/10) varied geographically and how these values compare with those of the previous watch period (3/21-4/3). Blank percent change entries are due to zero case counts last period. Dates reflect true case date.

Data Updated: 4/11/2021 1:40:18 PM



### 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. Note that for the first time there were no deaths due to outbreaks in March, and as yet, no deaths at all in April. The month is assigned by date of symptom onset.

### Percentage of COVID-19 cases in Marion County by source of infection, 1/1/20 - 4/10/21, 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) (36.4%), followed by household (31.8%). \*\*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 4/10/21. \*\*Updated bi-weekly\*\*

Percentage of COVID-19 cases in Oregon by source of infection, 1/1/20 - 4/10/21, 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 (45.6%), or that the source cannot be ascertained, these are said to be "community acquired". The second most common source is households (23.7%), followed by outbreaks (21.4%). \*\*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 4/10/21. \*\*Updated bi-weekly\*\*

### Percentage of COVID-19 cases associated with an outbreak by type of facility in Marion County, 1/1/20 - 4/10/21, 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 4/10/21. \*\*Updated bi-weekly\*\*



### Percentage of COVID-19 cases associated with an outbreak by type of facility in Marion County, 4/10/21, 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) (27.5%), followed by corrections (18.6%), and residential care (9.2%). Generated 4/12/21. \*\*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 - 4/12/21, ORPHEUS & Census Bureau

### Count of COVID-19 cases (N=19,802) by race & ethnicity in Marion County, 1/1/20 - 4/12/21, 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 (756.7 per 10,000 Vs. 259.9 per 10,000). At this time, 7,093 people from the Hispanic or LatinX community have had COVID-19 illness. Generated 4/12/21. \*\*Updated biweekly\*\*.



### Rate of COVID-19 cases by race & ethnicity in Marion County per 10,000 population, 3/28/21 - 4/12/21, ORPHEUS & Census Bureau

### Count of COVID-19 cases (N=481) by race & ethnicity in Marion County, 3/28/21 - 4/12/21, ORPHEUS & Census Bureau



In the last two weeks. COVID-19 illness disproportionately affected African American/Black, American Indian and Alaskan Native, and White communities in Marion County. People who identified as non-Hispanic or LatinX had higher incidence rates than their Hispanic or LatinX counterparts (12.6 per 10,000 Vs. 7.9 per 10,000), which is a shift when compared to the pandemic as a whole. Generated 4/12/21. \*\*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

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\*\*



### Rate of COVID-19 cases by age in Marion County per 100,000 population, 1/1/20 - 4/10/21, ORPHEUS & Census Bureau

Count of COVID-19 cases by age in Marion County per 100,000 population (N=19,781), 1/1/20 - 4/10/21, ORPHEUS & 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 4/12/21 \*\*Updated bi-weekly\*\*



## Rate of COVID-19 cases by age in Marion County per 100,000 population, 3/28/21 - 4/10/21, ORPHEUS & Census Bureau

Count of COVID-19 cases by age in Marion County per 100,000 population (N=481), 3/28/21 - 4/10/21, ORPHEUS & Census Bureau



In the past two weeks, COVID-19 incidence rates have been higher in working age adults between the ages of 20-49. Rates were highest for those between the ages of 20-29 and in general rates have been elevated for those in the younger age groups recently compared to the pandemic as a whole. Generated 4/12/21 \*\*Updated bi-weekly\*\*



### Count of COVID-19 cases for adults in custody (AIC) in Marion County (N=701), Mar-20 to Mar-21, ORPHEUS

Count of all COVID-19 cases in Marion County (N=19,274), Mar-20 to Mar-21, ORPHEUS



As of 3/27/21, 701 adults in custody (AIC) 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. AIC cases have fallen off sharply in March 2021. There have been 19,274 total cases in Marion County as of 3/27/21, with an increasing trend of cases that peaked in Dec 2020 before falling off sharply in recent months. Generated 3/26/21. \*\*Update as needed\*\*



### Percentage of COVID-19 cases for adults in custody (AIC) vs. non-AIC in Marion County, Mar-20 to Mar-21, ORPHEUS

Percentage of COVID-19 cases for adults in custody (AIC) vs. non-AIC in Marion County, Mar-20 to Mar-21, ORPHEUS



□ AIC □ non-AIC Since the beginning of the pandemic, the percentage of cases that were adults in custody (AIC) was a relatively low proportion of the total cases reported, with the exception of May 2020, where 26.8% of all cases were AIC. Of all cases reported, AIC represent 3.6% of the total cases in Marion County. Generated 3/27/21. \*\*Updated as needed\*\*

# Percentage of COVID-19 cases in Marion County by source of infection for 20-29 year olds (N=4,605), 1/1/20 - 3/26/21, ORPHEUS



Percentage of all COVID-19 cases in Marion County by source of infection, 1/1/20 - 3/26/21, ORPHEUS

■ Sporadic (community acquired)

Household

Outbreak

□ Close contact/cluster



Compared to other age groups, 20-29 year olds have the highest number of cases reported in Marion County (Marion COVID-19 Data Dashboard). Looking at differences by source of infection, 20-29 year olds have a slightly higher percentage of sporadic (community acquired), close contact (social), and outbreaks then all of the cases reported in the County. Generated 3/26/21. \*\*Updated as needed\*\*



### Count of COVID-19 cases by top ten industries for 20-29 year olds in Marion County (N=4,060), 3/1/20 to 3/27/21, ORPHEUS

The majority of COVID-19 cases for those between the ages of 20-29 in Marion County worked in the healthcare, retail, education, construction, and transportation/warehousing industries. In the last two months (February and March 2021), the top ten industries were the same as the pandemic as a whole, however education, corrections, and restaurants were more likely to be listed as an occupation for those between the ages of 20-29 than previously. **\*\*NOTE**: It is not necessarily true, nor does the above represent the source of infection for these cases, but rather what these cases reported as their profession at time of interview\*\*. Generated 4/1/21. \*\*Updated as needed\*\*