

Overview oregon-covid-19

What is this? Visualizations of the Coronavirus (COVID-19) spread in Oregon

Why/History: These visualizations are helpful to understand how COVID-19 is spreading in Oregon. Examples of different visualizations that are publicly available are shared in this PDF as well.

What tools are used?

- **R / RStudio:** Webscraping, tidyverse, shapefile mapping & visualization

Other Resources:

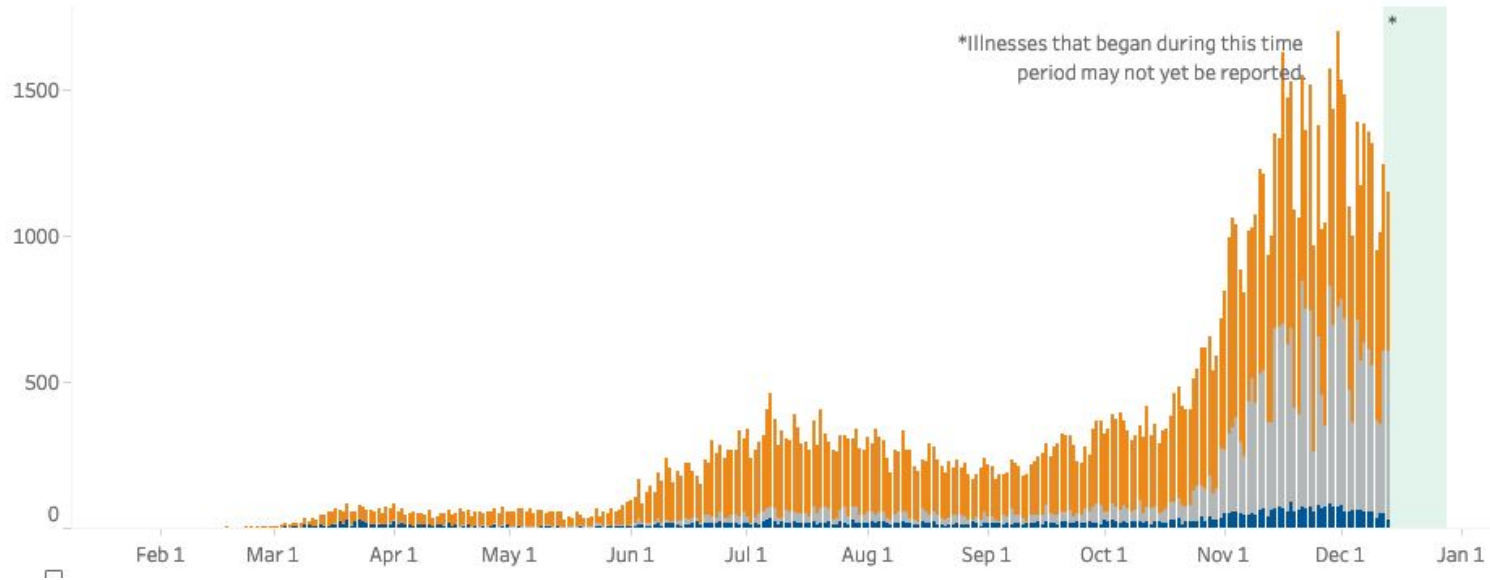
- OHA (data source): <https://govstatus.egov.com/OR-OHA-COVID-19>
- The Oregonian is using this weekly OHA dataset to create [zipcode maps](#)

First, here's a helpful chart from Oregon Health Authority on Daily Cases

Oregon's Epi Curve: COVID-19 cases

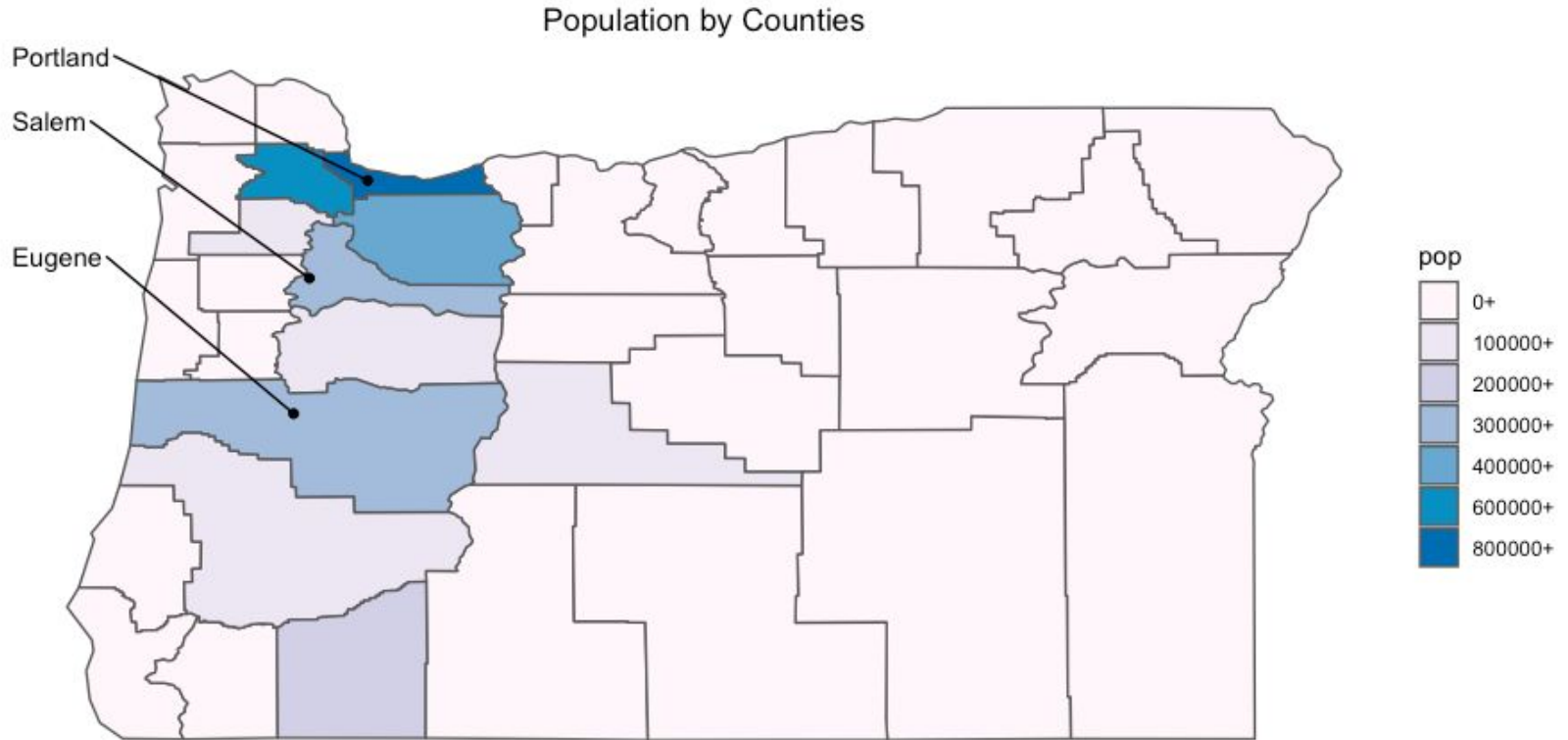
This chart shows the number of Oregonians who have been identified as COVID-19 cases and whether they were ever hospitalized for their illness.‡

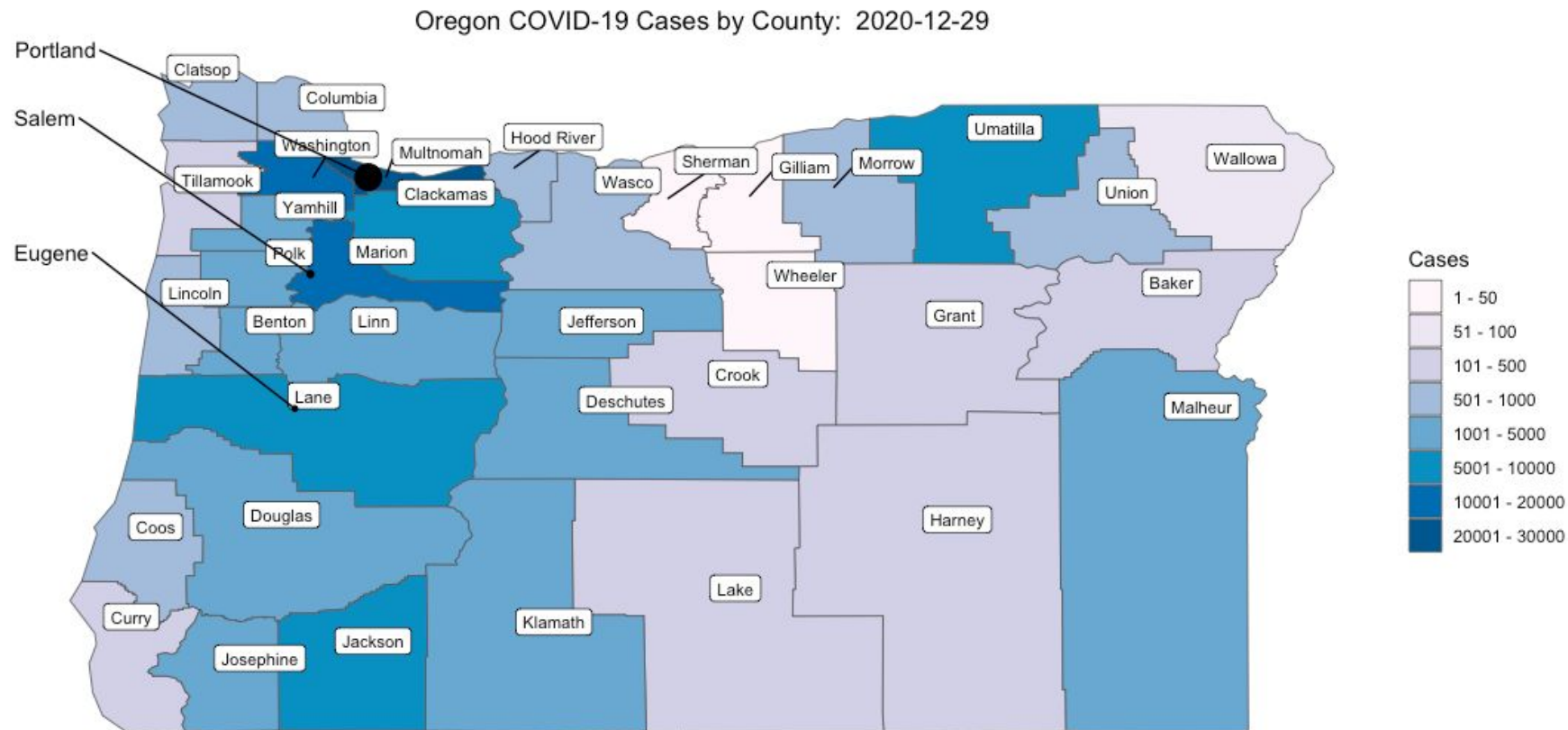
Total Cases	Hospitalized	Not Hospitalized	Hospitalization Status Unknown
110,545	6,277	73,293	30,975



The next slides are generated by the R script

For Context for the following maps, here is the Oregon population density

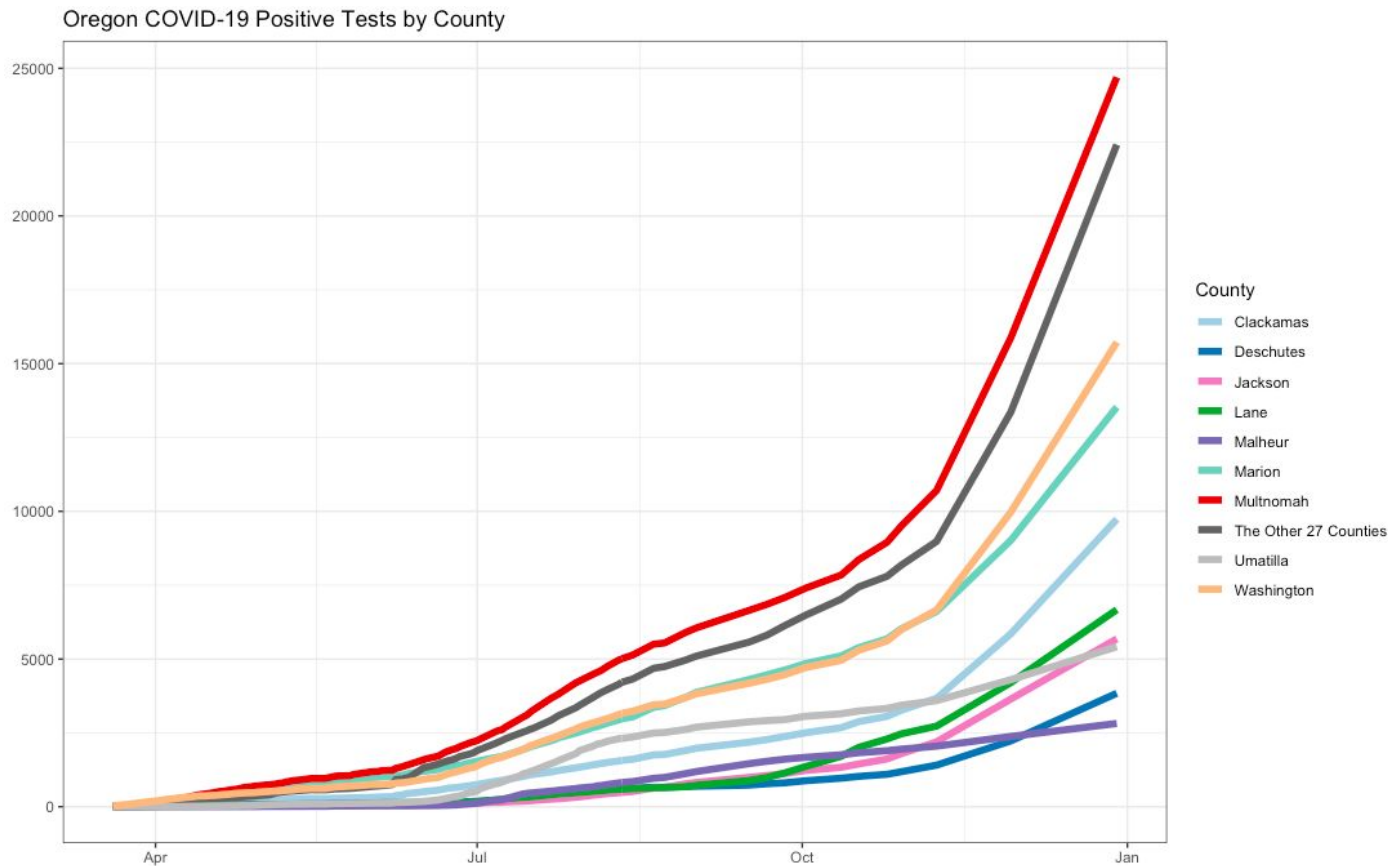




View a GIF of this map from March to December:

[https://github.com/wpbSabi/oregon-covid-19/blob/master/plots with date generated/Oregon%20Covid%202020%20March%20to%20December.gif](https://github.com/wpbSabi/oregon-covid-19/blob/master/plots%20with%20date%20generated/Oregon%20Covid%202020%20March%20to%20December.gif)

The trends by county have some unique inflections but the overall trend is similar among most counties



The density map of cases shows that there are a few rural counties that have been hit hardest by the pandemic in terms of the number of cases

Population and Positivity Densities

