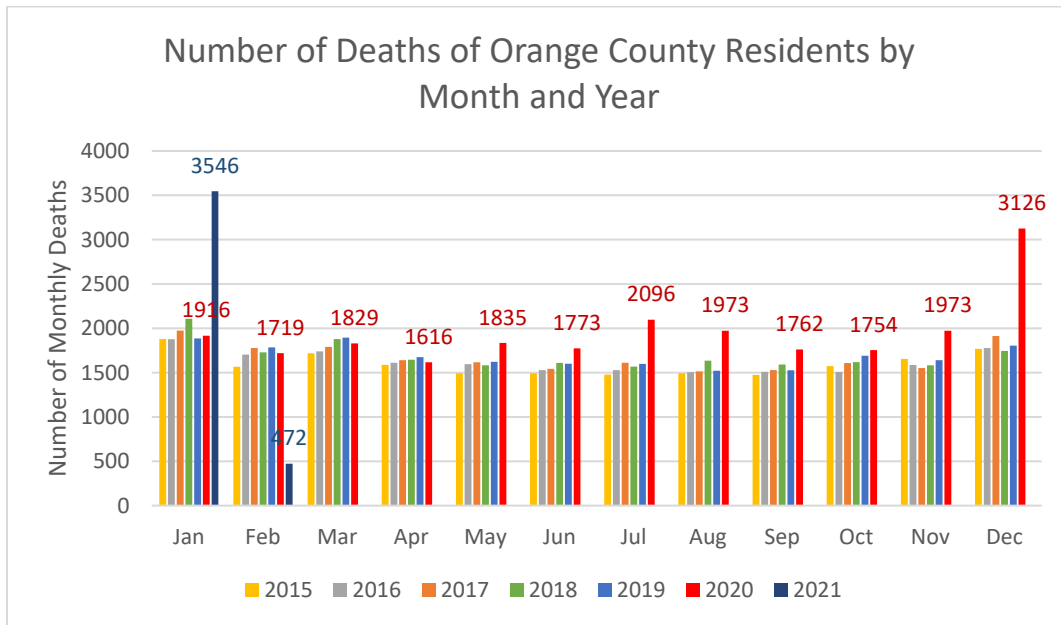


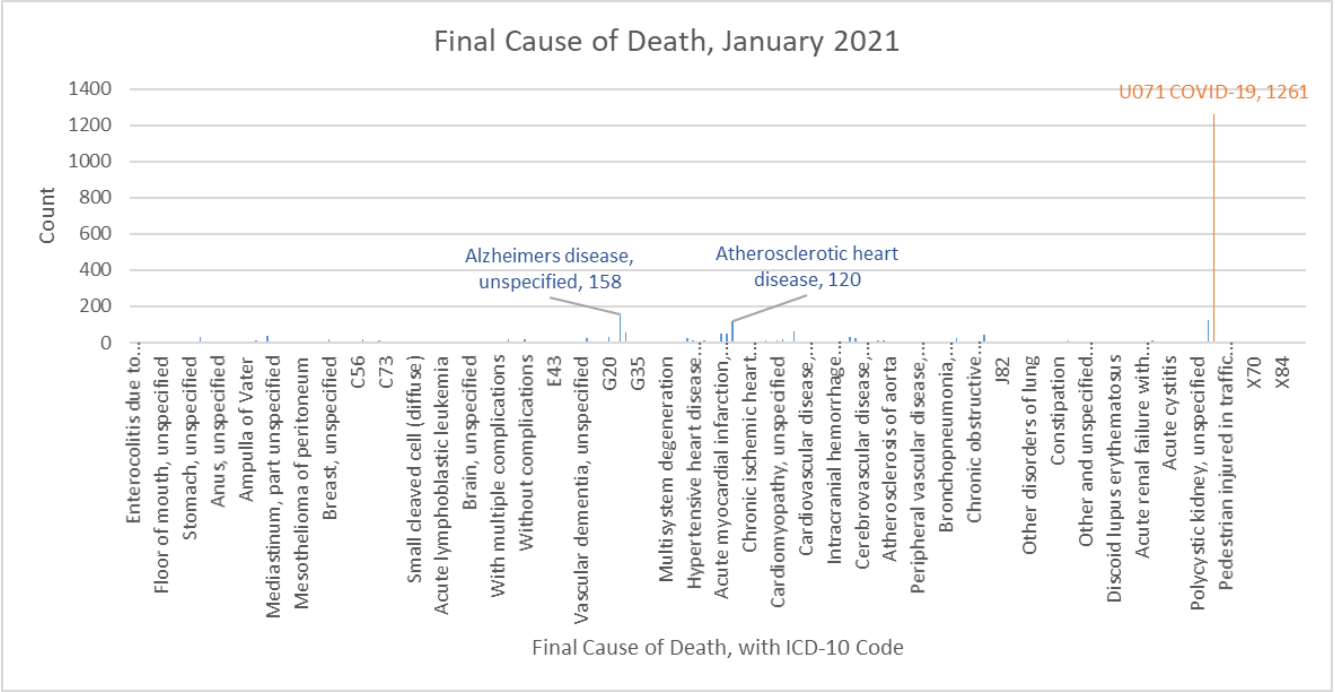
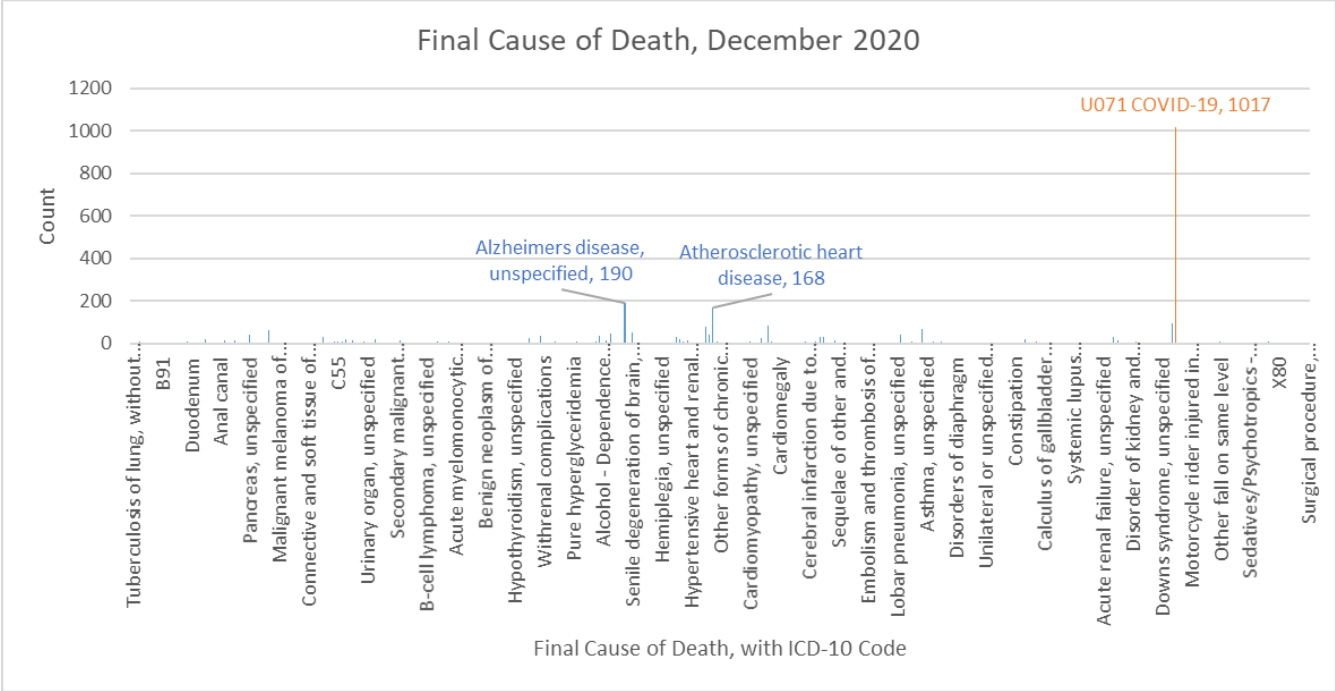
All-Cause Mortality in Orange County – Data until 2/17/2021

There are 661 additional deaths since last week’s download, 10 in year 2020, and 651 added to year 2021.

January 2021 continues to gain unprecedented levels of death, holding as the most deadly month in Orange County compared to the previous six years measured. With 3,546 total deaths, January now outnumbers the total mortality in December 2020 by 420 deaths. The total mortality count in January 2021 has **1,438 more deaths, or 68% higher**, than the previous record for highest count of monthly deaths anytime between 2015 and 2019 (which occurred in January 2018, at n=2,108 deaths). The January 2021 mortality count is 82% higher than the 2015-2019 average for January at 1944.8.



COVID-19 deaths were overwhelmingly the most common final cause of death for the months of December and January 2021. At 1,017 COVID-19 deaths in December and 1,261 COVID-19 deaths in January 2021, COVID-19 caused 5.4 and 8 times the amount of deaths (respectively) as the second most common single-diagnosis final cause of death for those two months (Alzheimer’s disease, G30.9, for both months).



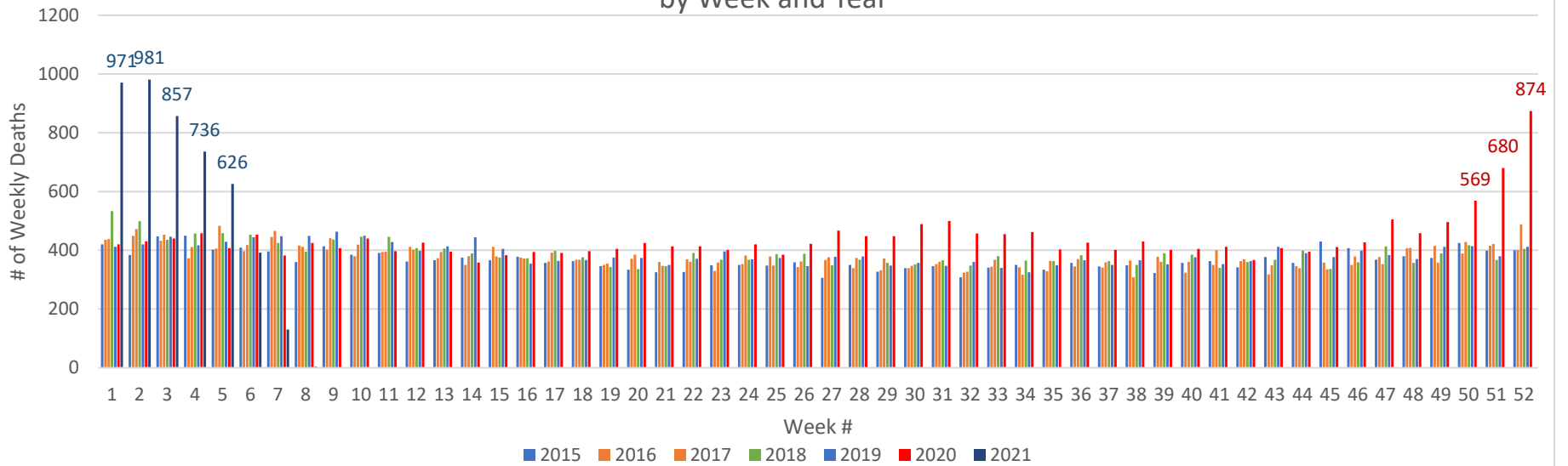
This exceptional count of deaths is reflected in the weekly deaths, as well.

The last weeks (weeks 50-52) in December 2020 and the first weeks (weeks 1-5) in 2021, are the **deadliest weeks in Orange County** by a large margin, numbering from 569 deaths in a week to as many as 981 deaths. For week two in 2021 in particular, the total weekly deaths during the pandemic outnumbered the average from the 2015-2019 by 121%. Week 52 in 2020 and week 1 in 2021 also doubled the 2015-2019 average for that week, at 108% and 117% increase, respectively.

Before now, weekly deaths in Orange County (2015 to 2019) **never exceeded 540 deaths** (previous record was week one in January 2018 at n=533 deaths).

(Note that weekly deaths are calculated as Sun through Sat, so that week one in 2021 actually includes deaths from Dec 27 - 31).

Number of Deaths by Orange County Residents
by Week and Year



The record amount of deaths in the final weeks of November and December lead to significantly higher rates of death from weeks 47 to 52, compared to the 5-year average rate from 2015 to 2019. By week 52 of 2020, the mortality rate was **more than double** the average weekly mortality rate of 2015-2019 (specifically, week 52 was 106% higher than 2015-2019 average rate).

This trend continues into the first four weeks of January 2021, where the total mortality rate continues to be significantly higher than the 2015 through 2019 average. The mortality rate in weeks one and two, in particular, were **116% and 119% higher** (respectively) than the 2015-2019 average rate.

Weekly Overall Mortality Rate in Orange County

