

## Files Captions:

### **DailyProjections<DATE>.xlsx – All Daily projections together**

**Sheet "TotalThroughNext2Weeks":** Cumulative totals from the beginning of the pandemic to the next 2 weeks.

**Sheet "TrainEstimates":** Model estimates for the previous weeks based on confirmed case count data.

**Sheet "Projections\_NewlyAdded":** Projected numbers of newly added per day.

**Sheet "Projections\_HealthcareNeeds":** Projected healthcare needs, accounting for remaining patients from prior period, newly added, and discharged.

### **WeeklyProjections<DATE>.xlsx – All Weekly projections together**

**Sheet "TotalThroughNext8Weeks":** Cumulative totals from the beginning of the pandemic to the next 8 weeks.

**Sheet "TrainEstimates":** Model estimates for the previous weeks based on confirmed case count data.

**Sheet "Projections\_NewlyAdded":** Projected numbers of newly added per week.

**Sheet "Projections\_HealthcareNeeds":** Projected healthcare needs, accounting for remaining patients from prior period, newly added, and discharged.

### **Report\_summary\_projection.by.week\_healthcareNeeds\_medianIQR.csv**

**This file shows:** Projected weekly healthcare demands under different scenarios for the coming 8 weeks, including **total hospital beds, non-ICU beds, ICU beds, and ventilators**. Numbers are median and (interquartile range, IQR). Numbers are maximum over 7 days of a given week.

Column "Seasonality" indicate whether seasonality is assumed in the model (see the README file for details). Column "intervention" indicate different projection scenarios (see README).

### **Report\_summary\_projection.by.week\_medianIQR.csv**

**This file shows:** Projected weekly epidemic outcomes under different scenarios for the coming 8 weeks, including **number of total infections, hospitalizations, non-ICU hospitalizations, ICU admissions, new intubations (patients needing ventilators), and new deaths, as well as discharges (hospitalizations in general, non-ICU hospitalizations, ICU, and extubations)**. Numbers are median and (interquartile range, IQR). Note that there are time lags from infection to hospitalization, ICU admission, or death; as such, dividing the numbers (e.g. deaths ÷ total infections) will *not* give accurate estimates of risks (e.g. infection mortality risk).

### **Report\_train.by.week\_medianIQR.csv**

**This file shows:** Estimated numbers of total infections, reported cases, hospitalizations, ICU admissions, and deaths in previous weeks. Numbers are median and (interquartile range, IQR).

### **Report\_train.plus.fcast\_totals.csv**

**This file shows:** Cumulative total through the next 8 weeks for each measure listed, under different scenarios.

Figures:

Projected number of **new infections/reported cases/hospitalizations/non-ICU hospitalizations/ICU admissions/new intubations/census numbers for these variables** under different control scenarios. Blue lines and points show median estimates for the model training period; red lines show projected median numbers with seasonality (solid lines) or without seasonality (dashed lines); shaded regions shown the interquartile ranges (IQR) for model estimates with seasonality (in orange) or without seasonality (in yellow).