[Institute for Health Metric and Evaluation (IHME)](#)

The IHME website contains three data sets of interest (1) Reference scenario 2020, (2) Reference Scenario 2021, and (3) Reference Scenario 2022. These data sets contain multiple reported COVID-19 related measures and projections - including deaths, hospital resource use, infections and testing, mask use, and mobility. The data sets include daily data at the state level. For our second analysis - the relationship between policy interventions and R_0 - we focused on three specific measures:

- Mask Use: percent of the population reporting always wearing a mask when leaving home
- Vaccine Coverage: counts of initially vaccinated (one or two doses)
- Mobility: the percent change in mobility from baseline

[New York Times COVID Data](#)

The New York Times data repository contains cumulative (daily) counts of U.S. COVID-19 cases and death at the state level over time. We incorporated this data in our first analysis (using SIR models to determine the change of R0 over time). This data source was a suggestion by Peter Zhang, Assistant Professor of Operation Research at Carnegie Mellon University's Heinz College of Information Systems and Public Policy.