About

Rscripts used to make this R Shiny web application are available on Github.

This model was originally developed by Alison Hill who you can contact with questions alhill@fas.harvard.edu.

A team of researchers have contributed to the continual development of the model and app:

- Mike Levy @Penn (Epidemiological oversight and model development)
- Sherrie Xie @Penn (tutorial and explanatory text of model)
- Justin Sheen @Penn (data synthesis and coding)
- Julianna Shinnick @Penn (literature review and parameter collection)
- Andrei Gheorghe @Harvard (mathematical analysis of the model)
- Chris Rehmann @Iowa State (mathematical analysis of the model)

Thanks also to Anjalika Nande and Ski Krieger for feedback on early versions of this tool.

Funding to host this app was generously provided by John Pettitt

Other COVID-19 apps that we recommend:

- https://benflips.shinyapps.io/nCovForecast/ - For tracking the growth rate of infections over time, comparing contries, and estimating the fraction of cases detected
- https://mackgrenfell.com/forecaster/covid19 - Simulations simple exponential growth and compares to hospital capacity
- http://gabgoh.github.io/COVID/index.html - Visualize the impact of intervention timing and strength on the reduction of cases
- https://neherlab.org/covid19/ - Similar to this app, simulating epidemic dynamics and comparing to hospital capacity paring to hospital capacity

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