This model uses data from Alabama COVID19 hospitalizations and deaths to estimated actual number of cases circulating in Alabama (includes a mix of asymptomatic and untested cases). Mortality rate is standardized to the population of Alabama. These estimated cases are used to predict when transmission peak will occur and then begin to decline assuming social distancing measures are maintained until May 8 and that aggressive contact tracing occurs after May 8.

Based on this estimate 37,000 Alabamans will have had COVID19 which represents 1% of the population of Alabama leaving 99% of the population without COVID19 immunity.