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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | Model Description | | | Included in Scoring Evaluation | | | |
| Team | Model Abbr | Data Source | Description | Assumptions about social distancing changes in the future: | Assumes existing social distancing measures will continue through the projected four-week time period: | Incident Deaths (calculated) | Incident Deaths (predicted) | Cumulative Death (predicted) | Cumulative Deaths (calculated) |
| CovidAnalytics | DELPHI | JHU CSSE | SEIR model augmented with underdetection and interventions. |  |  |  |  | X | X |
| COVIDhub | baseline | JHU CSSE | median prediction at all future horizons equals most recent observed incidence |  | X | X | X | X | X |
| ensemble | JHU CSSE | average of submitted forecasts to the COVID-19 Forecast Hub. |  |  |  | X | X | X |
| CU | select | USAFACTS County-level confirmed cases and deaths | metapopulation county-level SEIR model | X |  |  |  | X | X |
| GT | DeepCOVID | COVID Tracking Project, JHU, COVID-Net, NYT,  demographic, mobility and symptomatic data | Data-driven approach based on deep learning for forecasting mortality and hospitalizations |  | X |  | X | X |  |
| IowaStateLW | STEM | NYT -nytimes/covid-19-data, health department webpages, County-level  infected case and death data demographic, mobility and symptomatic data | nonparametric space-time disease transmission model |  |  |  |  | X |  |
| JHU\_IDD | CovidSP | USAFacts (confirmed cases; reported fatalities), US Census (population), mobility | metapopulation model with commuting and stochastic SEIR disease dynamics | X |  | X | **X** | X |  |
| LANL | GrowthRate | JHU CSSE | Statistical dynamical growth model accounting for population susceptibility. |  | X |  | X | X | X |
| MOBS | GLEAM\_COVID | Offices of Statistics of 30 countries on five continents. | Metapopulation, age structured SLIR model. |  | X | X | **X** | X | X |
| PSI | DRAFT | JHU cumulative deaths | Deterministic fit of a compartmental SEIRX model to cumulative death profiles, followed by stochastic simulations using the optimal parameters. | X |  |  |  | X |  |
| UA | EpiCovDA |  | SIR mechanistic model with data assimilation. |  | X |  |  | X |  |
| UCLA | SuEIR | JHU CSSE case and death data, COVID19 tracking project hospitalization  data | SEIR model variant considering both untested and unreported cases |  |  |  | X | X | X |
| UMass | MechBayes | JHU -CSSEGISandData | Bayesian compartmental model | and unreported cases |  | X | **X** | X |  |
| UT | Mobility | JHU CSSE | Bayesian multilevel negative  binomial regression model |  | X | X | **X** | X |  |
| YYG | ParamSearch | JHU | SEIR model with a machine learning layer. | X |  | X | **X** | X | X |
| USACE | ERDC\_SEIR |  | SEIR model with additional compartments for unreported infections and isolated individuals |  | X |  | X |  |  |
| IHME | CurveFit | JHU, data on hospital capacity and utilization for Usstates | Non-linear mixed effects curve-fitting |  | X |  | X |  |  |