

| Population Parameters                          |                         |
|--|-------------------------|
| Simulation Range                               | 01/02/2020 - 01/08/2020 |
| Age distribution                               | United Kingdom          |
| Population size                                | 66,488,991              |
| Number of cases at the start of the simulation | 10,000                  |
| Number of hospital beds                        | 139,647                 |
| Number of available ICU beds                   | 4,114                   |
| Seroprevalence (%)                             | 15                      |
| Epidemiological Parameters                     |                         |
| R0 at the beginning of the outbreak            | 2.9-3.5                 |
| Latency (days)                                 | 3.5                     |
| Infectious Period (days)                       | 3.5                     |
| Hospital Stay (days)                           | 11                      |
| ICU stay (days)                                | 7                       |