Modeling COVID-19 Care Paths

COVID-19 Patient Activity Details

- Kept in hospital CDU with a mode of 4 hours
- Kept in hospital for 30 minutes for completing discharge
- Routine patients kept in ICU with a mode of 2 days
- Kept in ICU for a mode of 9 days
- Kept in isolation rooms with a mode of 5 days

Resources Created for COVID-19
- CDU: 16
- Isolation Rooms: 70 ISO, 25 CDU
- ICU: 20

Resources Used in COVID-19 Care Paths from Routine Resource Pools
- CDU: 16
- Isolation Rooms: 70 ISO, 25 CDU
- ICU: 20
- ICU Doctors: 2
- ICU Nurses: 10
- ICU Beds: 20

Queue Details

- CDU
  - Needed Resource per Patient: 0.167 hour
  - PPE: 1
- Doctor Visits
  - Needed Resource per Patient: 0.167 hour
  - PPE: 1
- Isolation Room
  - Needed Resource per Patient: 0.167 hour
  - PPE: 2
- ICU
  - Needed Resource per Patient: 0.5 hour
  - ICU nurse: 1
  - ICU Bed: 1
  - PPE: 1

Other Details

Most other details follow assumptions from: