Modeling Covid-19 Care Path

Activity Details

- Kept in hospital CDU with a mode of 4 hours
- Kept in hospital for 30 minutes for completing discharge
- Kept in ICU rooms with a mode of 9 days
- Kept in isolation rooms with a mode of 5 days
- Triangular (a=2, b=6, c=4 hours)
- Constant (30 minutes)
- Triangular (a=5, b=14, c=9 days)
- Triangular (a=2, b=10, c=5 days)

Queue Details

- CDU Unit
  - Needed Resource per Patient: PPE
  - Time: 0.167 hour
- Doctor Visit Queue
  - Covid-19 Nurses
  - Needed Resource per Patient: Covid-19 Nurses
  - Time: 0.167 hour
  - PPE
  - Time: 1
- Isolated in isolation Rooms
  - ISOCovid-19 Nurses
  - Needed Resource per Patient: ISOCovid-19 Nurses
  - Time: 0.167 hour
  - Covid-19 Isolation
  - Time: 1
  - PPE
  - Time: 2
- ICU Queue
  - ICU Doctors
  - Needed Resource per Patient: ICU Doctors
  - Time: 0.1 hour
  - ICU Nurses
  - Needed Resource per Patient: ICU Nurses
  - Time: 0.5 hour
  - ICU Isolation
  - Time: 1
  - PPE
  - Time: 1

Other Details