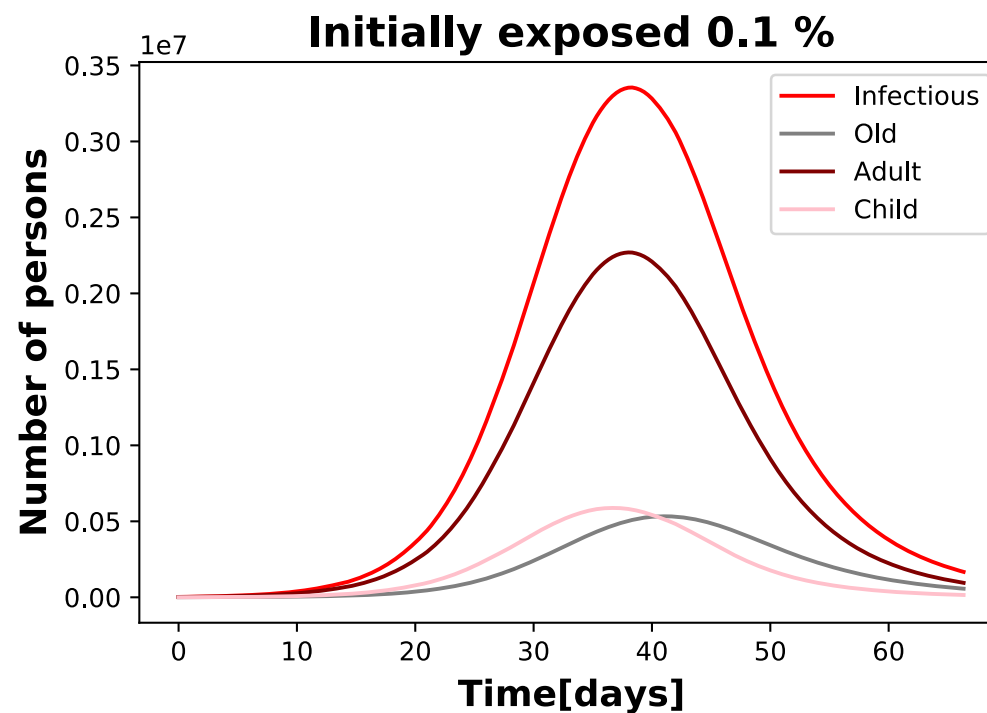
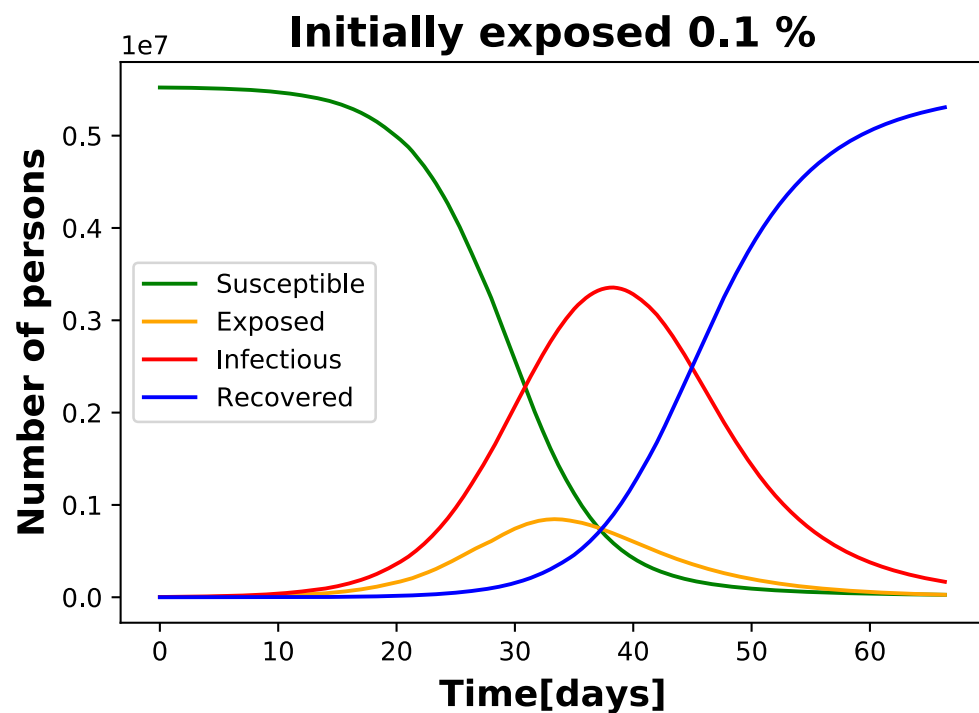


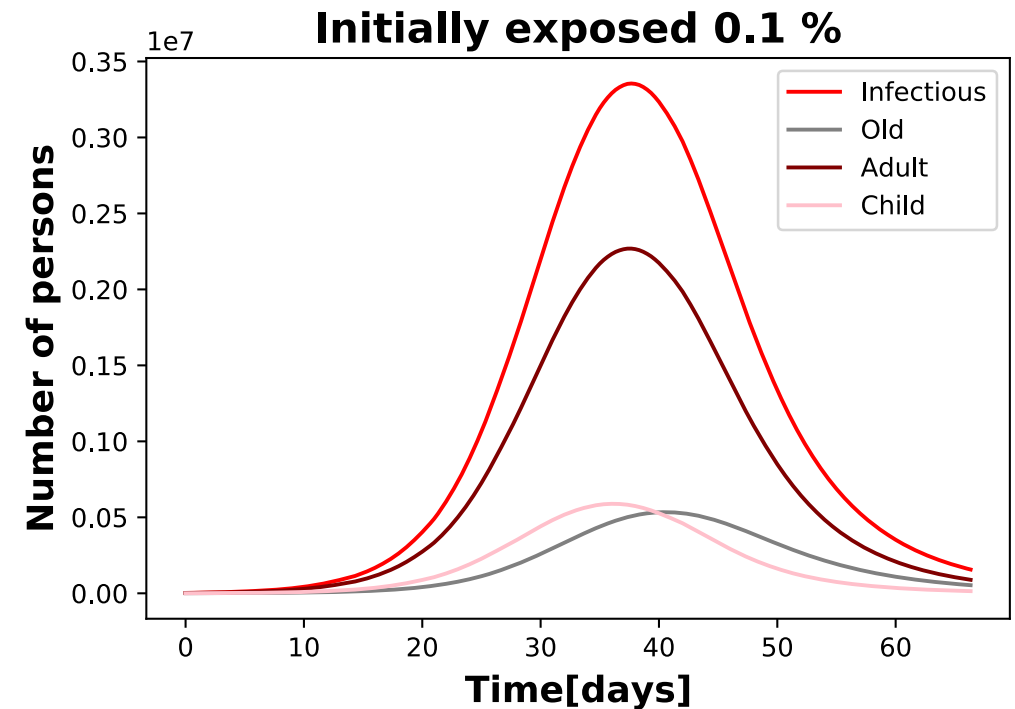
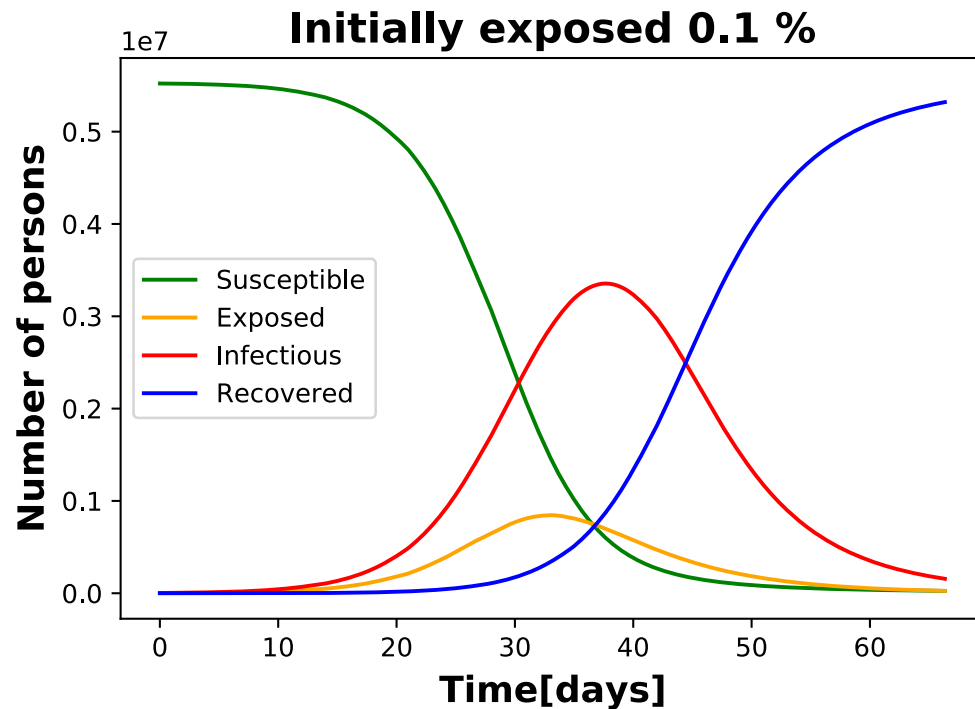
Public transportation

Ll.M. Mir
February 1st, 2021

- At initialisation users of public transportation chosen randomly
 - 20% of 953,019 students (190,538)
 - 30% of 2,247,353 workers (674,298)
 - 10% of 5,527,233 people (551,637)
- Every “tic” (1/3 day) a different subset gets infected:
 - x % of students + workers (on work time)
 - y % of people (on leisure time)
- Constant $\lambda_{\text{trans}} = 0.4$ assumed
- Tried 1% and 1‰ travelers infected every day



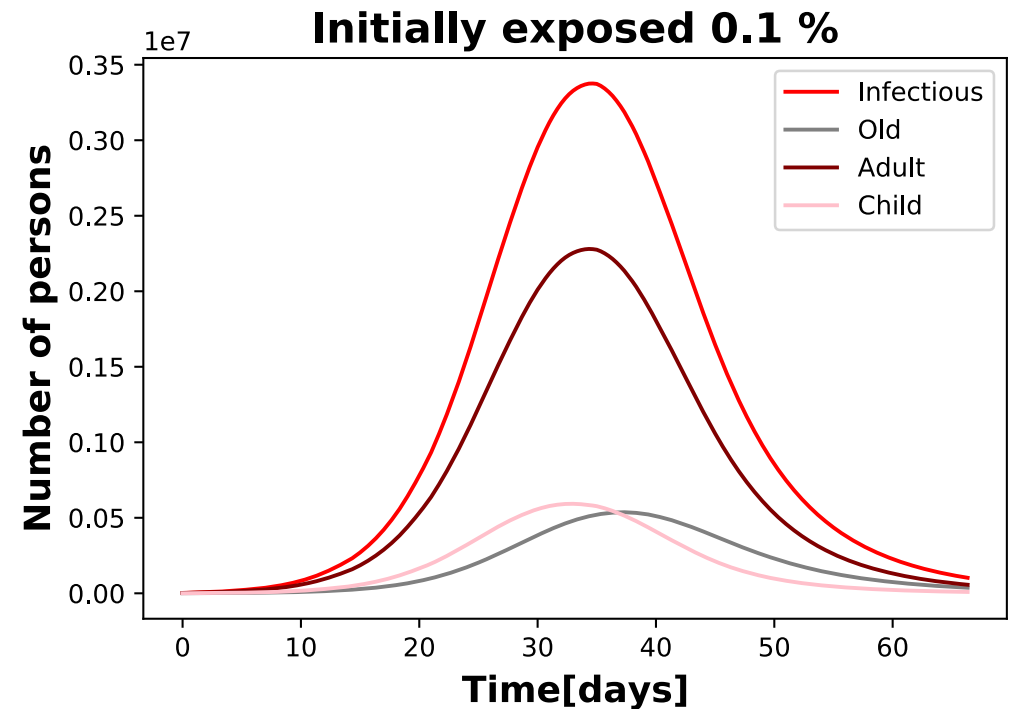
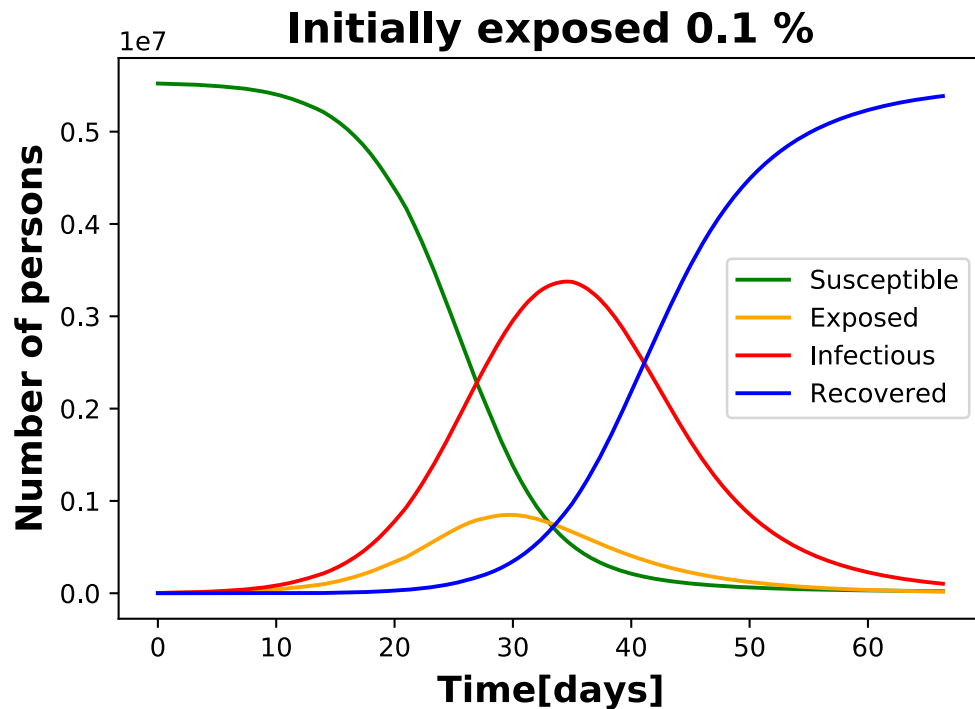
No use of public transportation



1‰ users of public transportation infected every day

(Very simple) public transportation model

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1% users of public transportation infected every day