first reported case in franklin county on Saturday march 14th

reports have 15% of all infected cases needing hospitalizations

(1) No mitigation, infection peak 37 days from march 14th -

peak on April 20 with 66k people needing the hospitals.



(2) Mitigation after 14 days, decreasing spread parameter by 20% peak in 46 days from march 14th-

peak on April 29th with 43k people who will need the hospital



(3) Mitigation after 7 days, decreasing spread parameter by 30% peak in 62 days from march 14th-

peak on May 15th with 31k people needing the hospital.



(4) Mitigation after 7 days, decreasing spread parameter by 50% peak in 145 days from march 14th-

peak on August 6th with 6k people needing hospital.



Caveaut, for these numbers to hold, need to keep mitigating throughout. Given timeline and effectiveness of central Ohio actions, I lean towards case (3). what happens if mitigation is turned off at day 50? Peak hits on day 59, May 12th with 61k. Double, as if practically no mitigation was performed.



What happens if mitigation is shut off after peak would hit? day 63 mitigation shut off.

