

COVID-19

The Future of the Epidemic in NH

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Important Highlights

- Mathematical models help predict the COVID-19 epidemic so we can direct resources and ultimately save lives
- Early data that our NH Strategy appears to be controlling the spread of COVID-19
- We need to continue to work together to protect each other and those most vulnerable in NH

What is Community Mitigation?

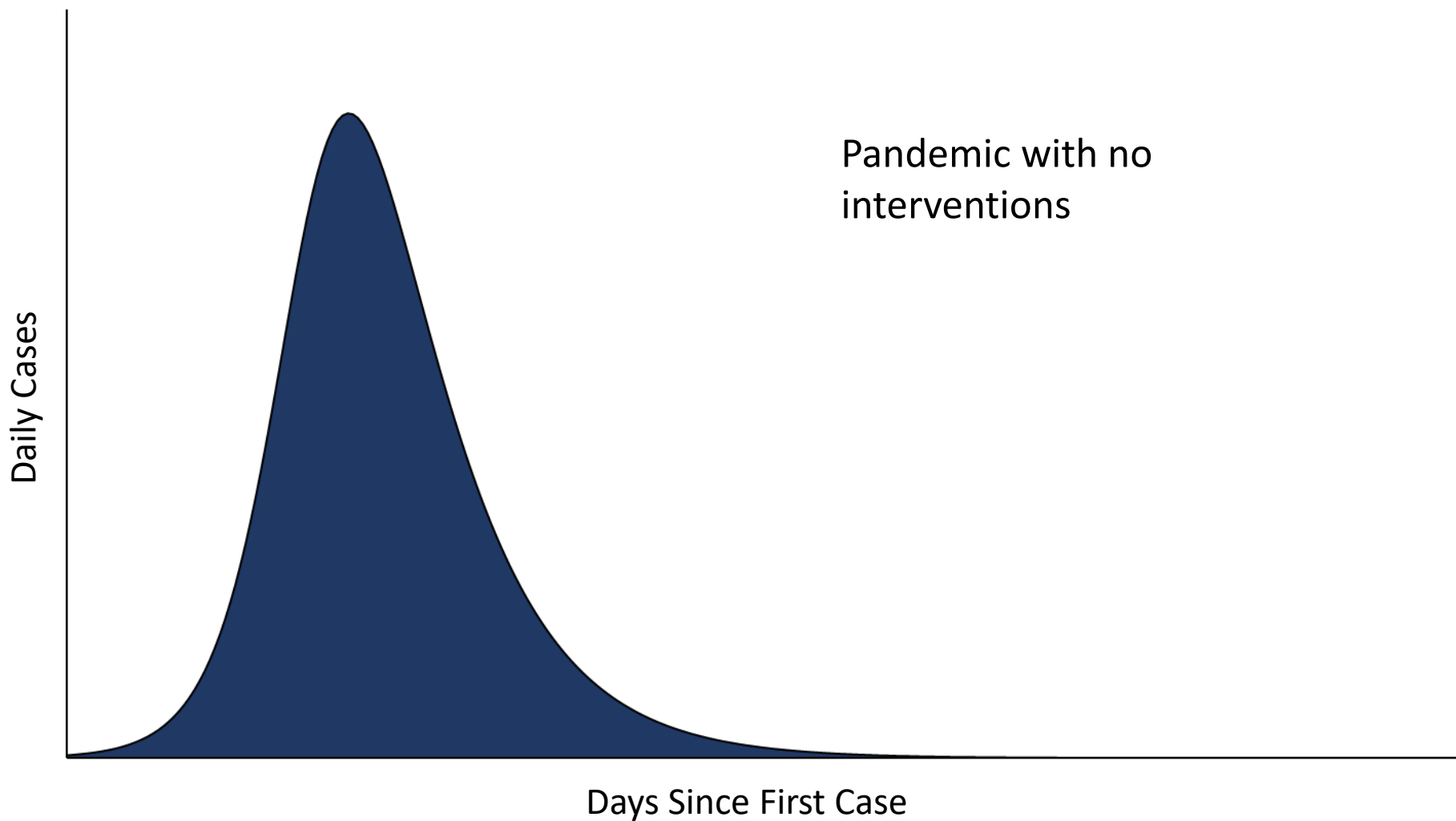
Community mitigation is a package of actions that don't involve medicines or vaccines and are important for stopping the spread of COVID-19:

1. Staying home
2. Keeping a safe distance of at least 6 feet from others
3. Moving to remote learning for schools
4. Encouraging tele-work for businesses
5. Cancelling mass gatherings
6. Closing non-essential businesses

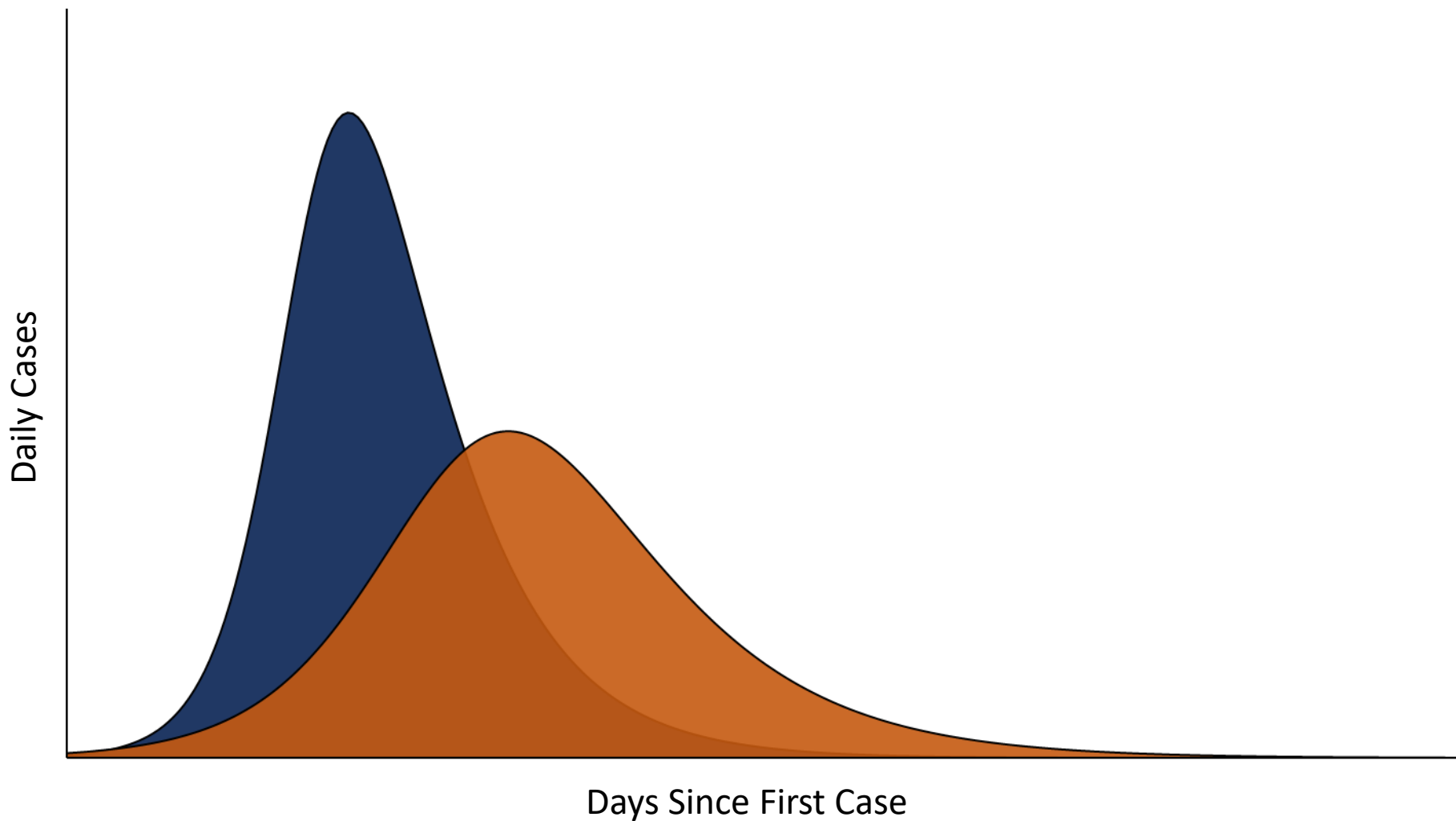
Goals of Community Mitigation

1. Slow how fast the epidemic is spreading
2. Spread out when people get sick (delay the peak)
3. Reduce the overall number of patients
4. Decrease deaths
5. Prevent overwhelming our healthcare system

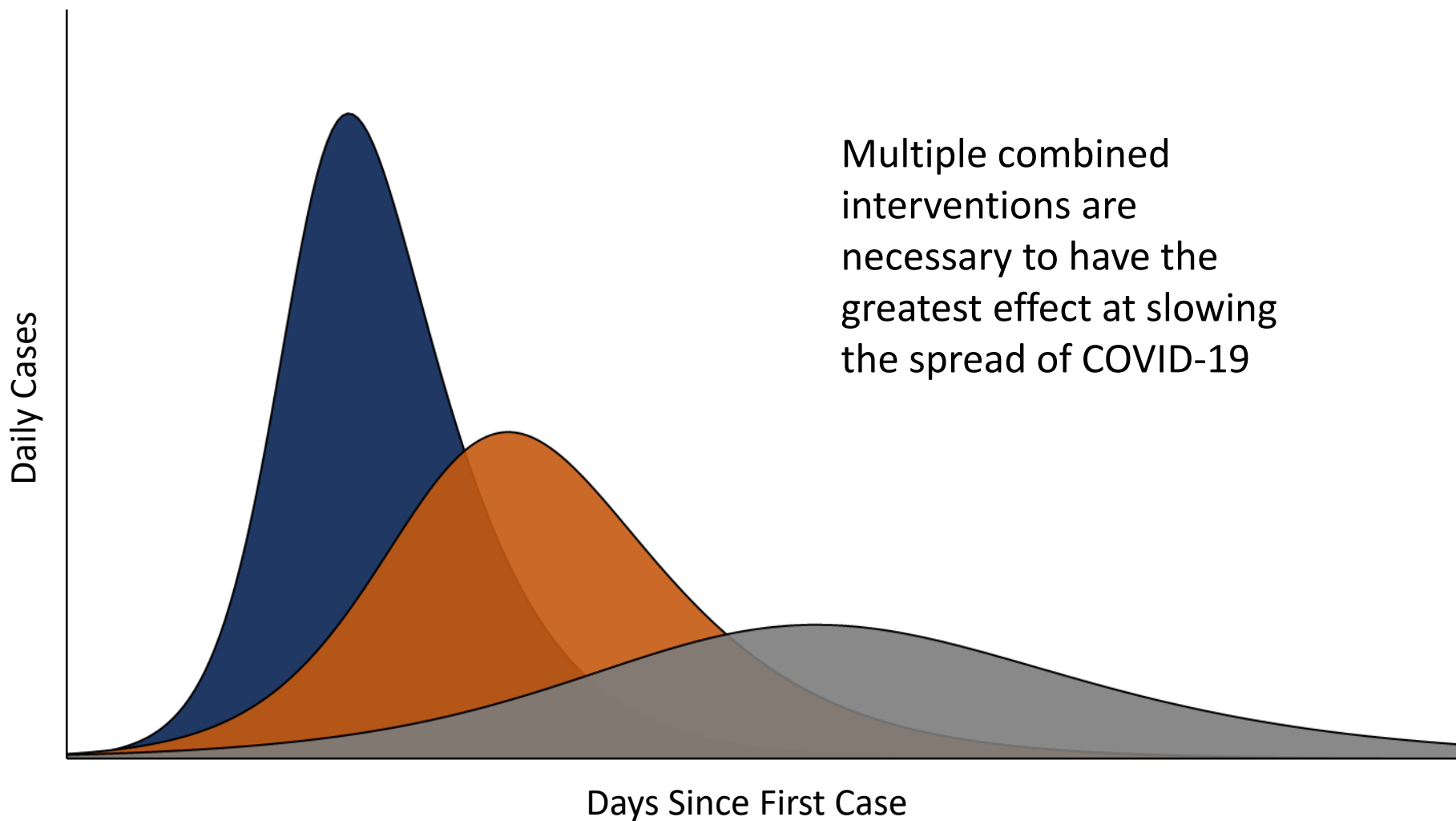
Goals of Community Mitigation



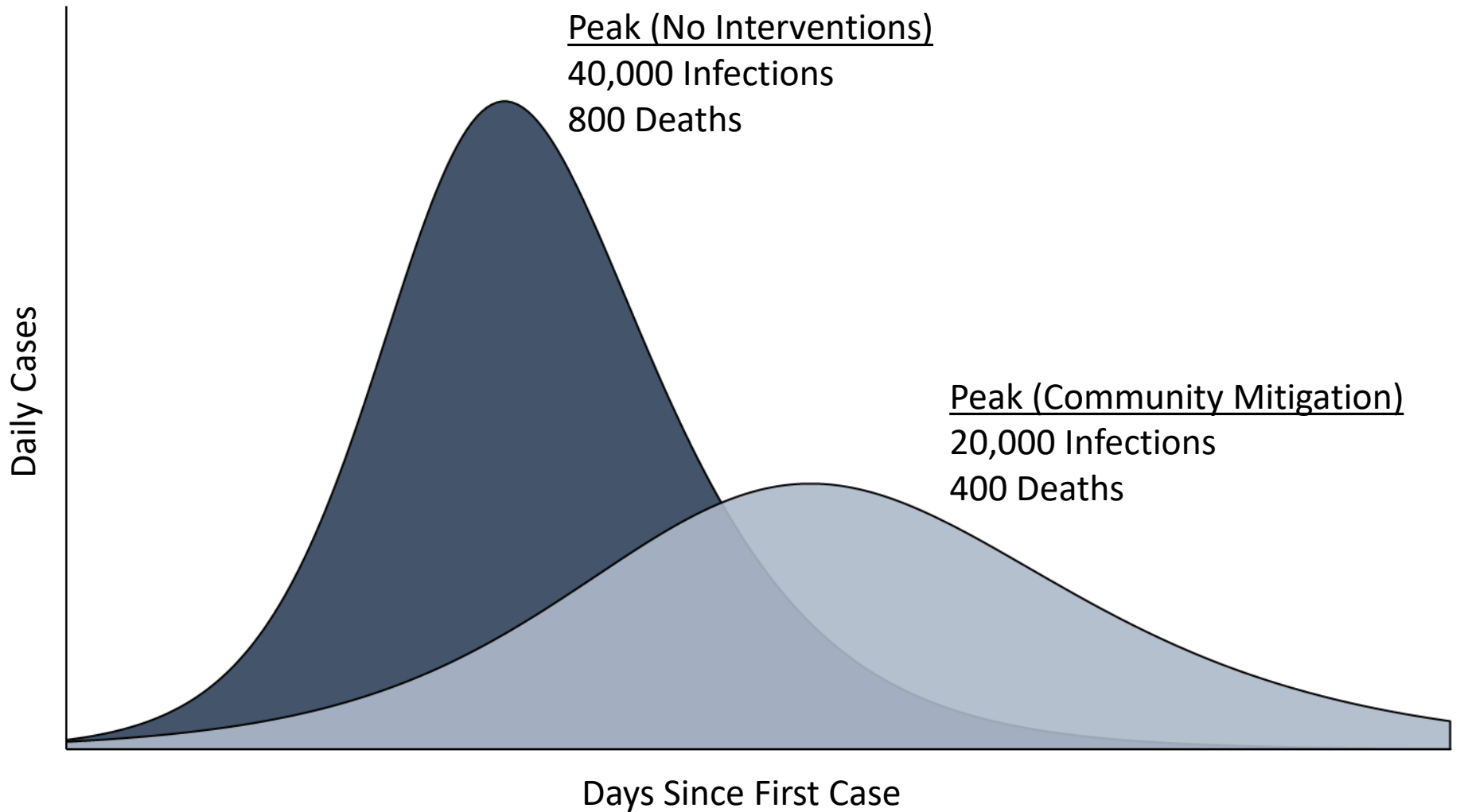
Goals of Community Mitigation



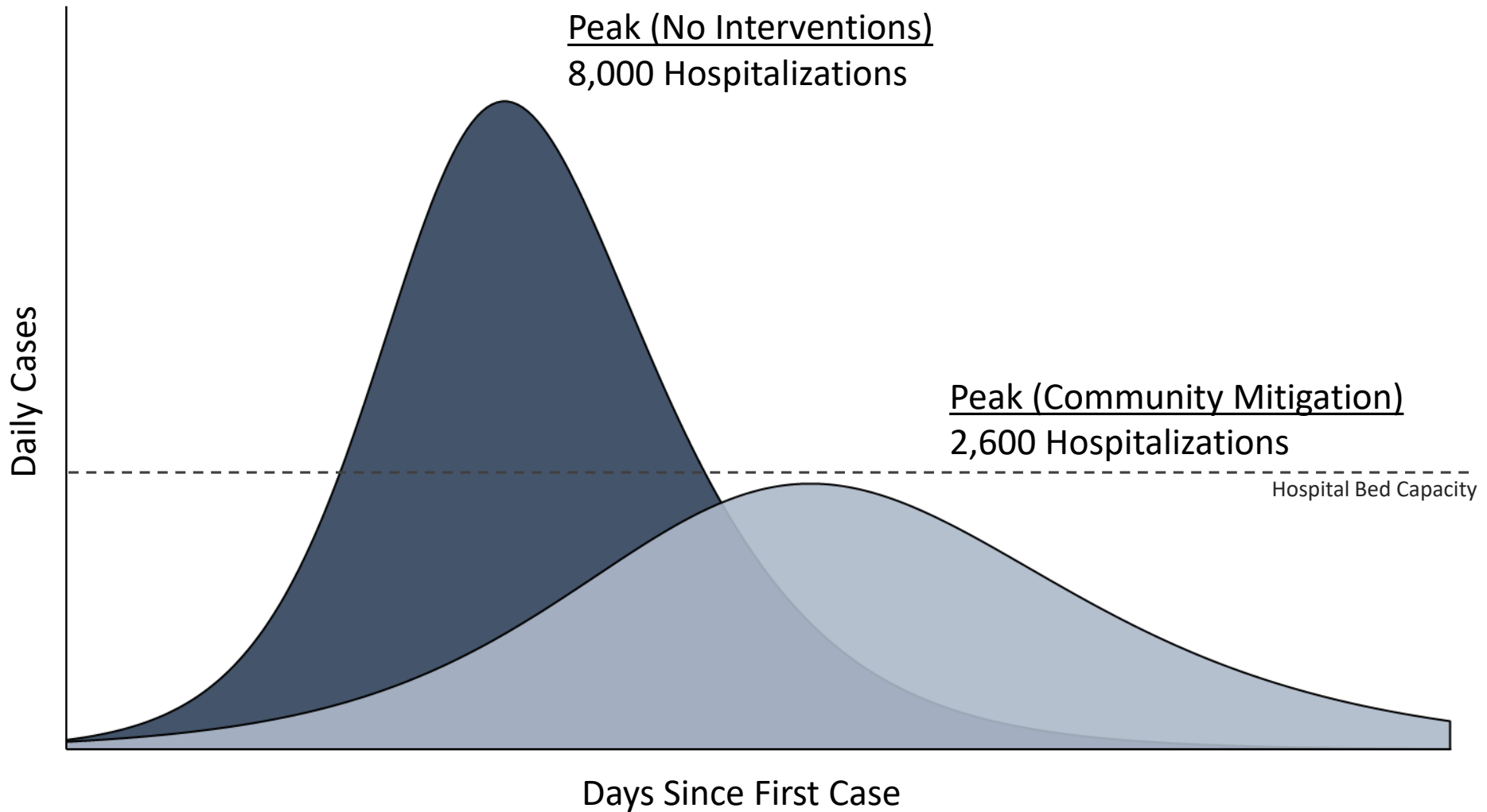
Goals of Community Mitigation



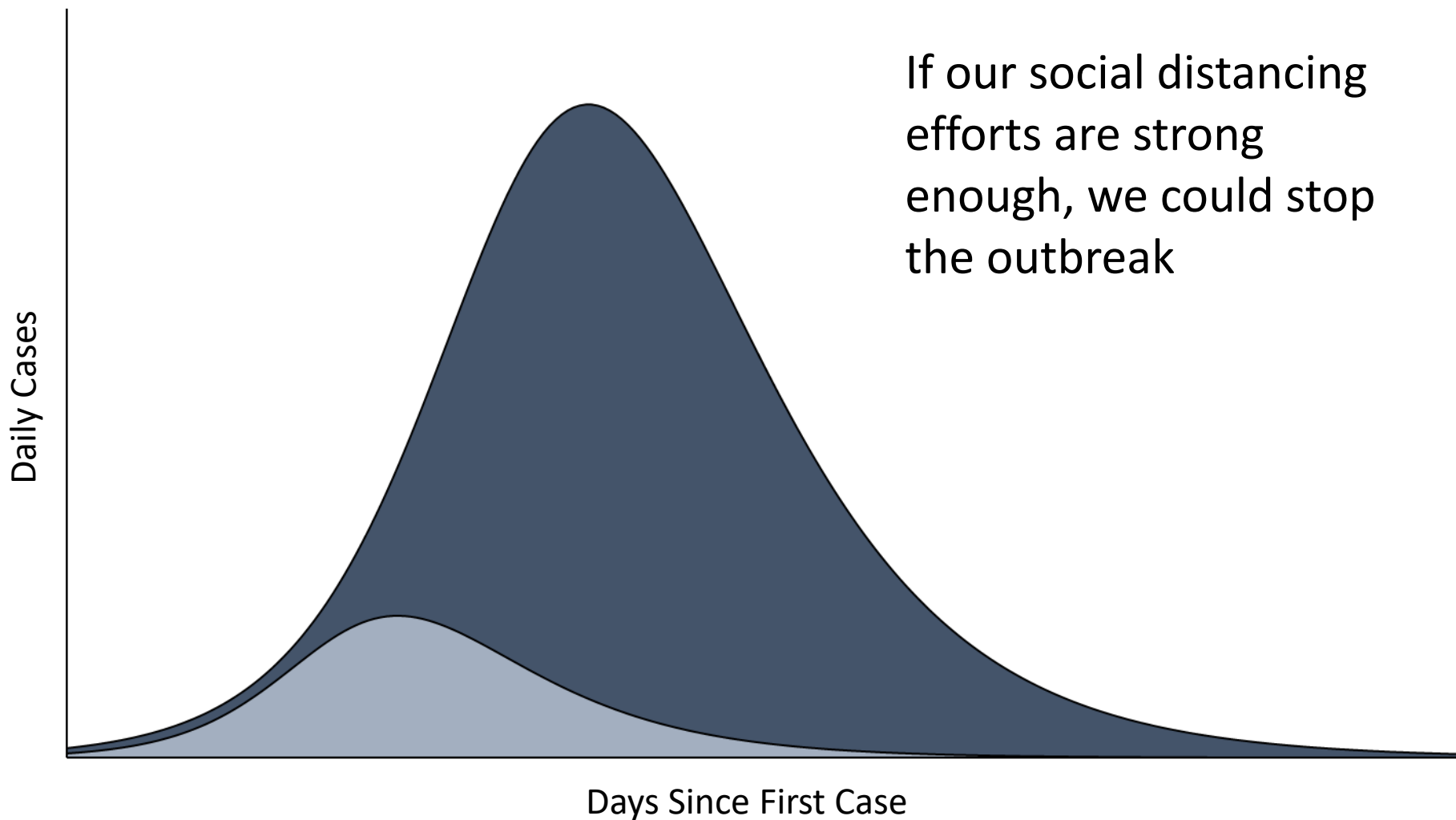
We Can Decrease the Number of Deaths



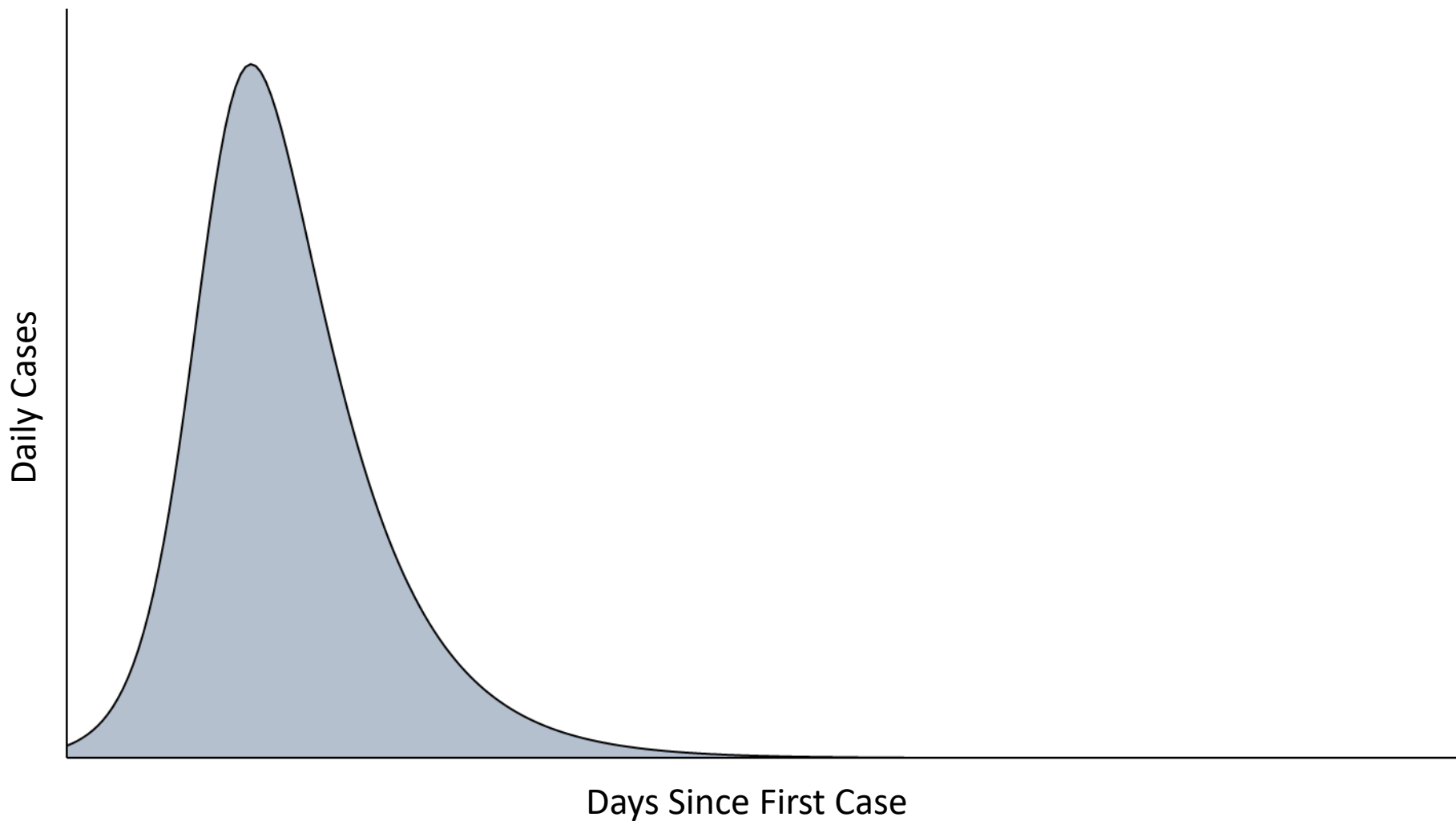
We Can Decreased Hospitalizations



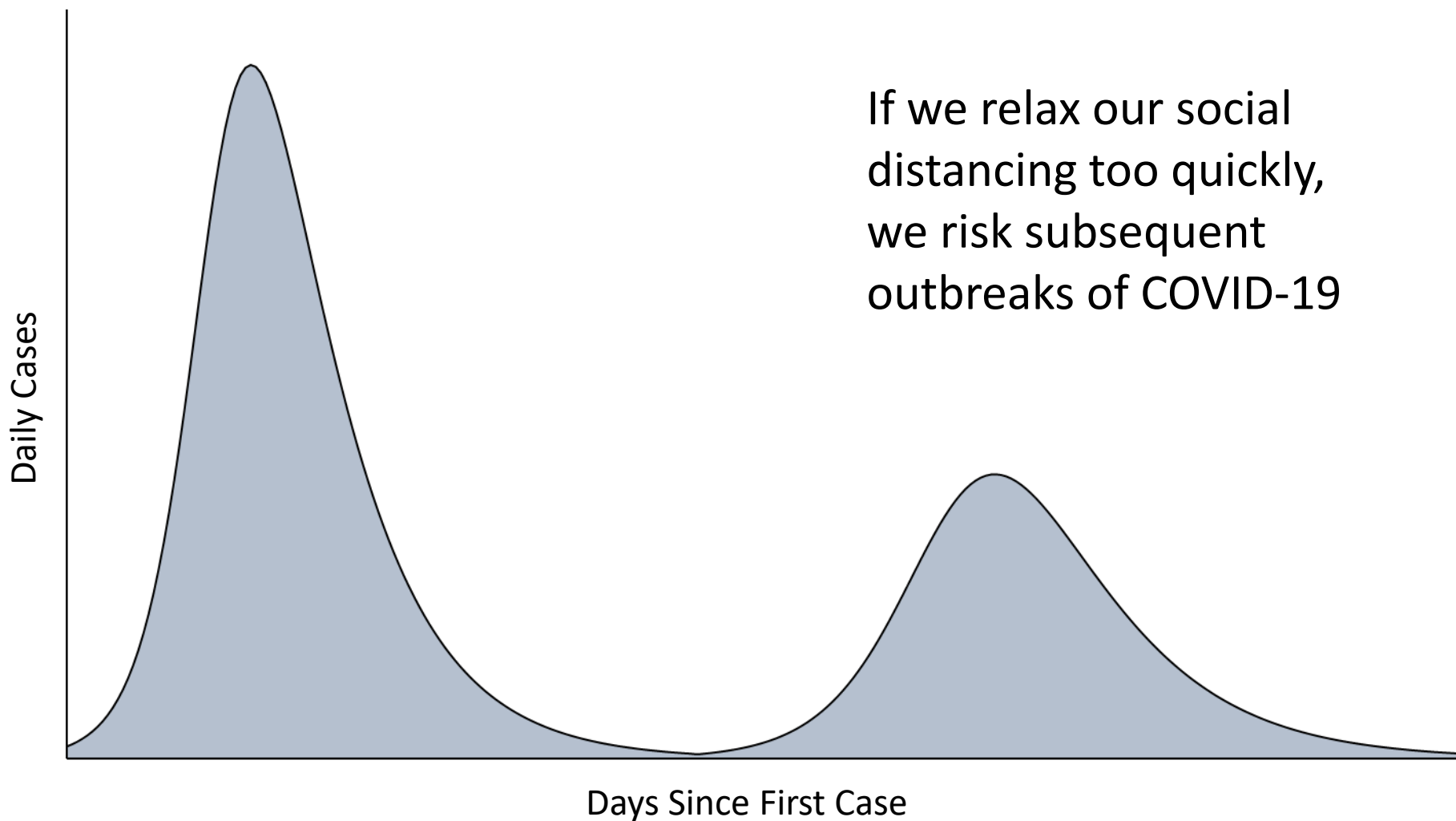
Outbreak Suppression



Relaxing Social Distancing



Relaxing Social Distancing



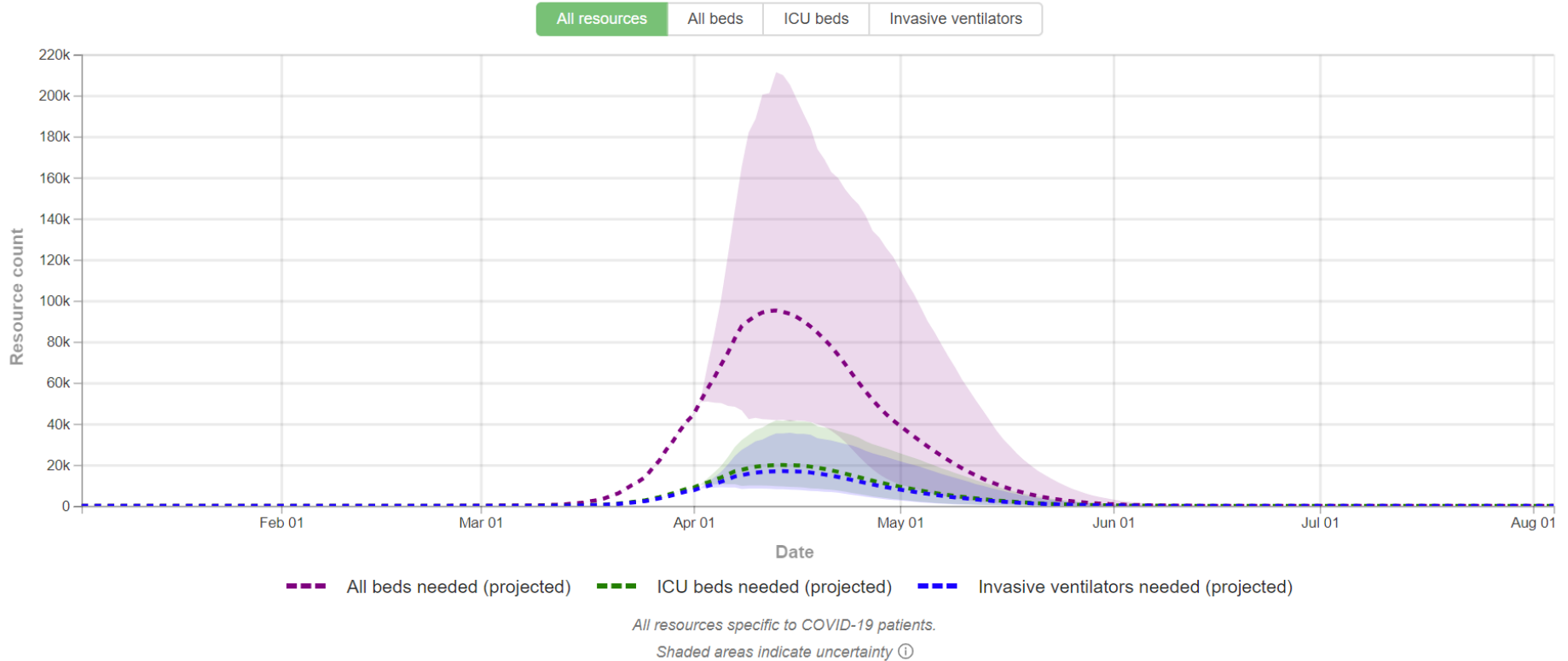
If we relax our social distancing too quickly, we risk subsequent outbreaks of COVID-19

U.S. Hospital Resource Use

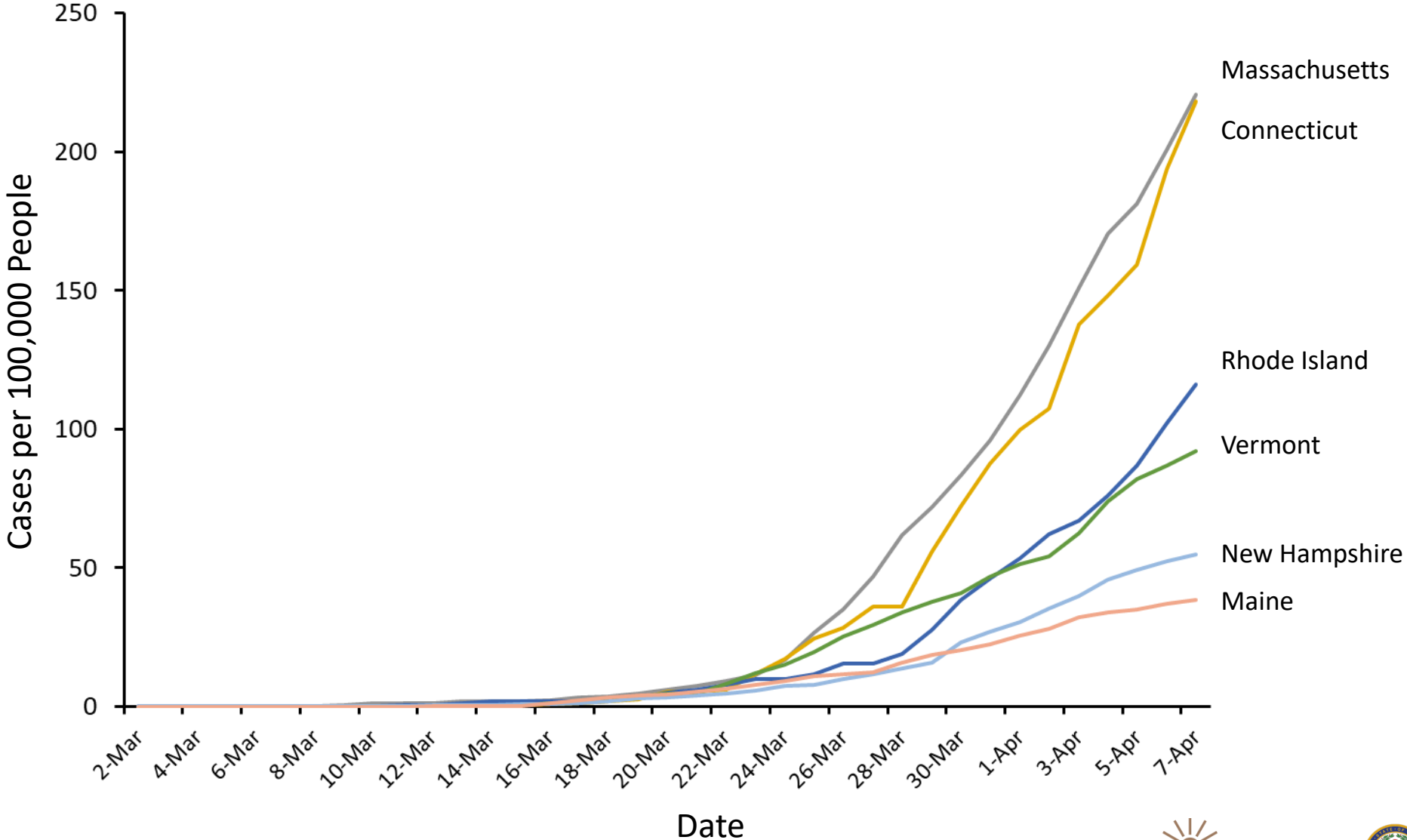
3 days until peak resource use on
April 11, 2020

Resources needed for COVID-19 patients on peak date

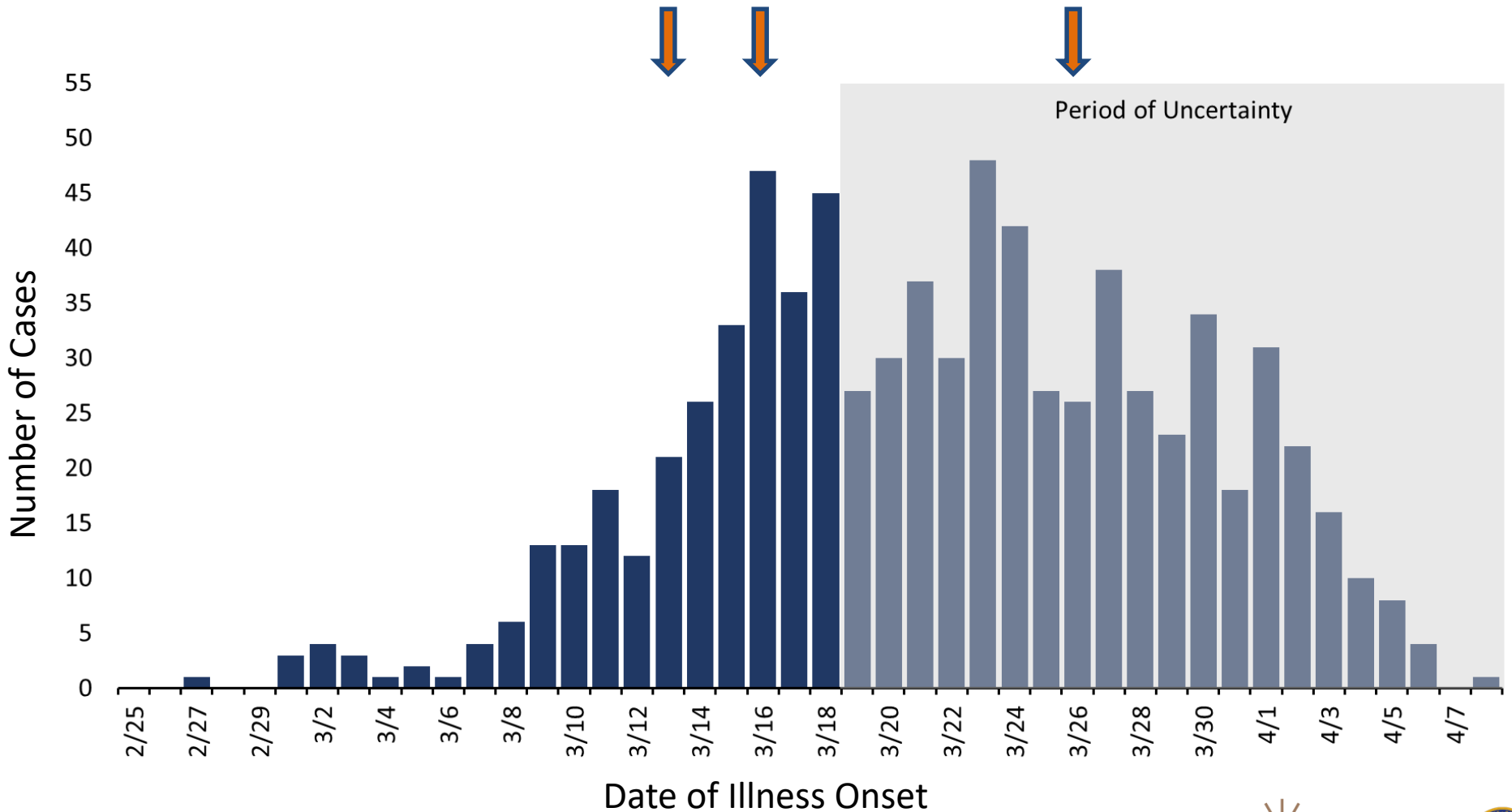
All beds needed 94,249 beds	→	Bed Shortage 15,852 beds
ICU beds needed 19,438 beds	→	ICU Bed Shortage 9,047 beds
Invasive ventilators needed 16,524 ventilators		



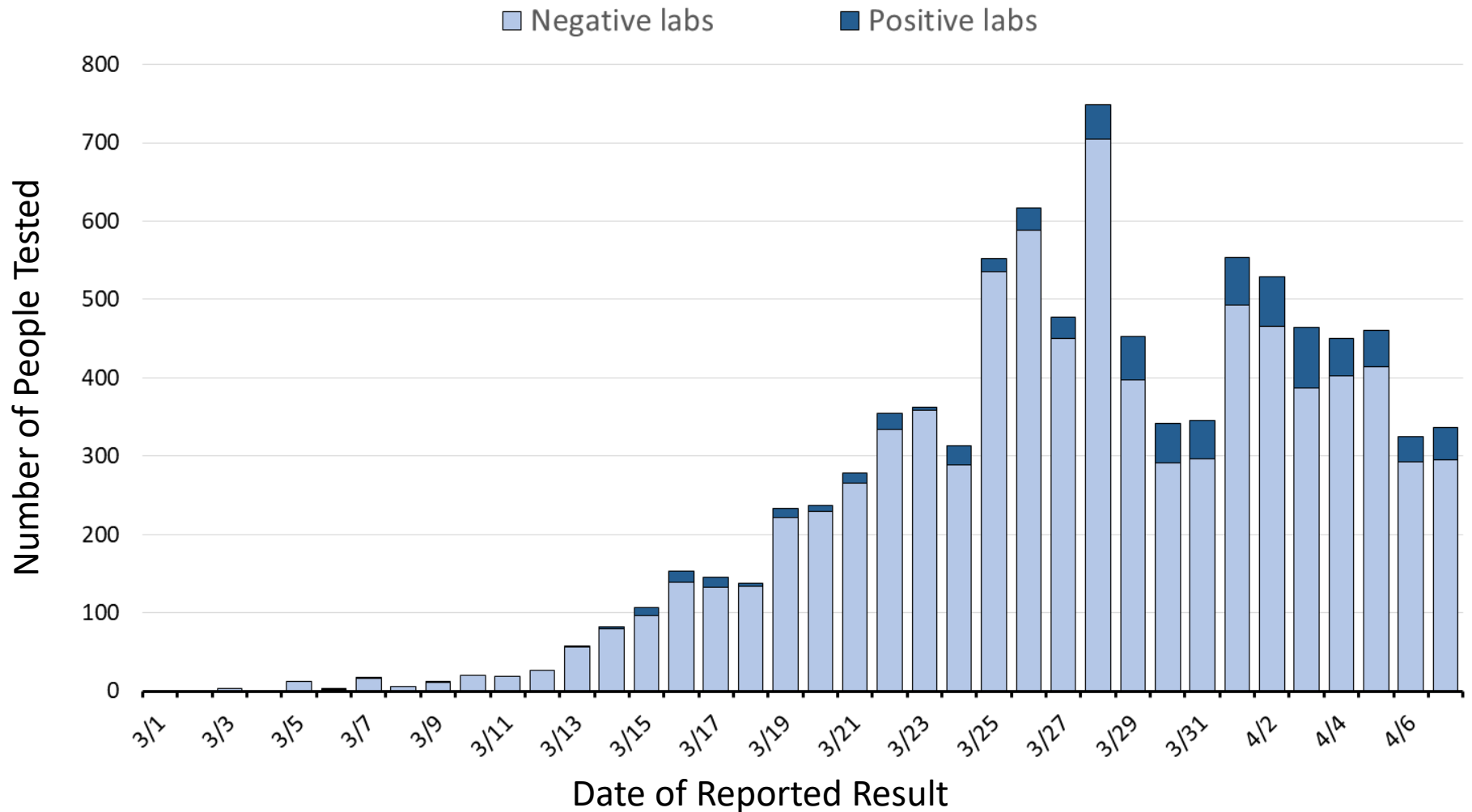
Rates of COVID-19 by State



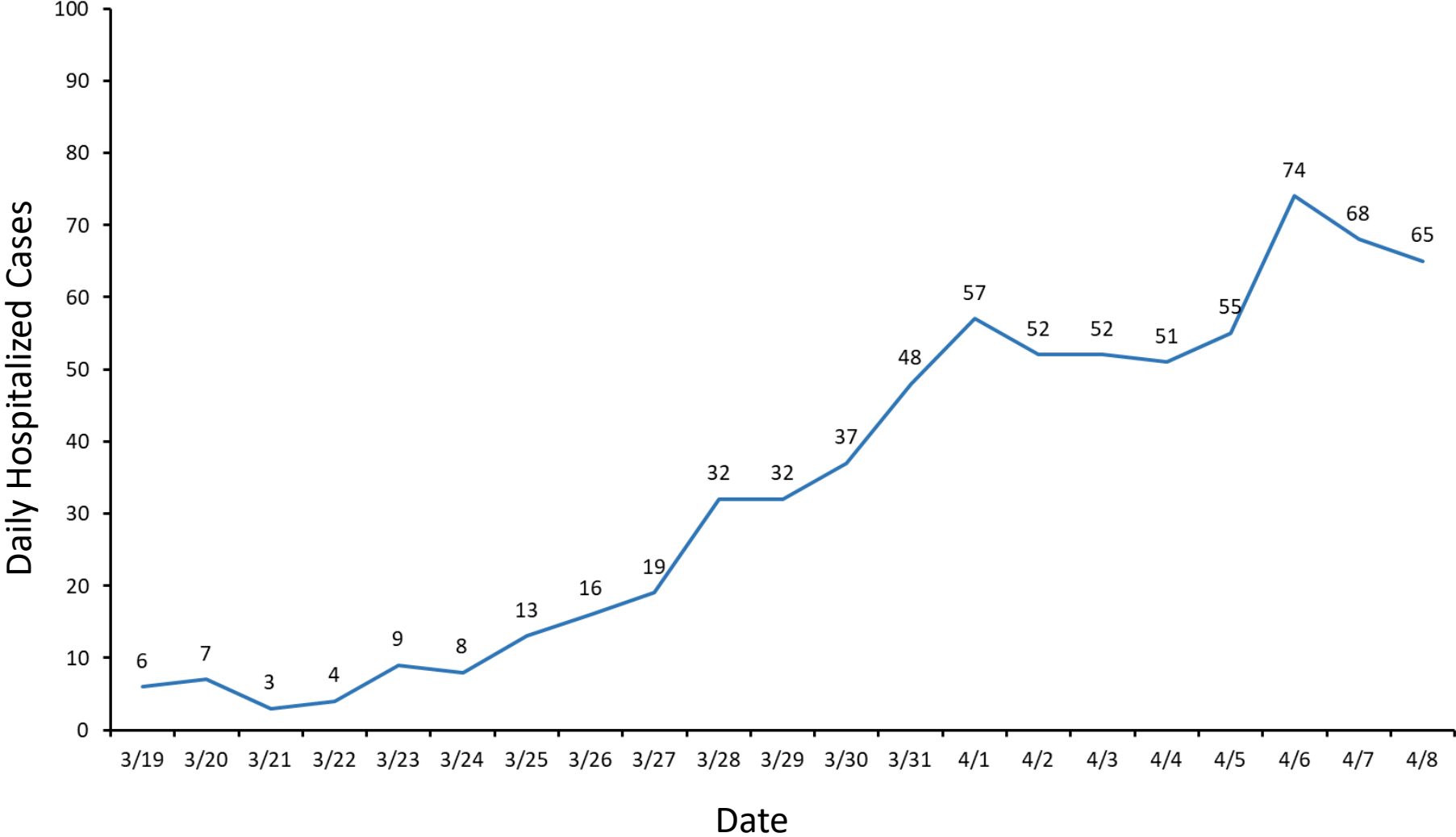
Epidemic Curve for Confirmed COVID-19 Cases in New Hampshire



Number of People Tested Each Day in NH

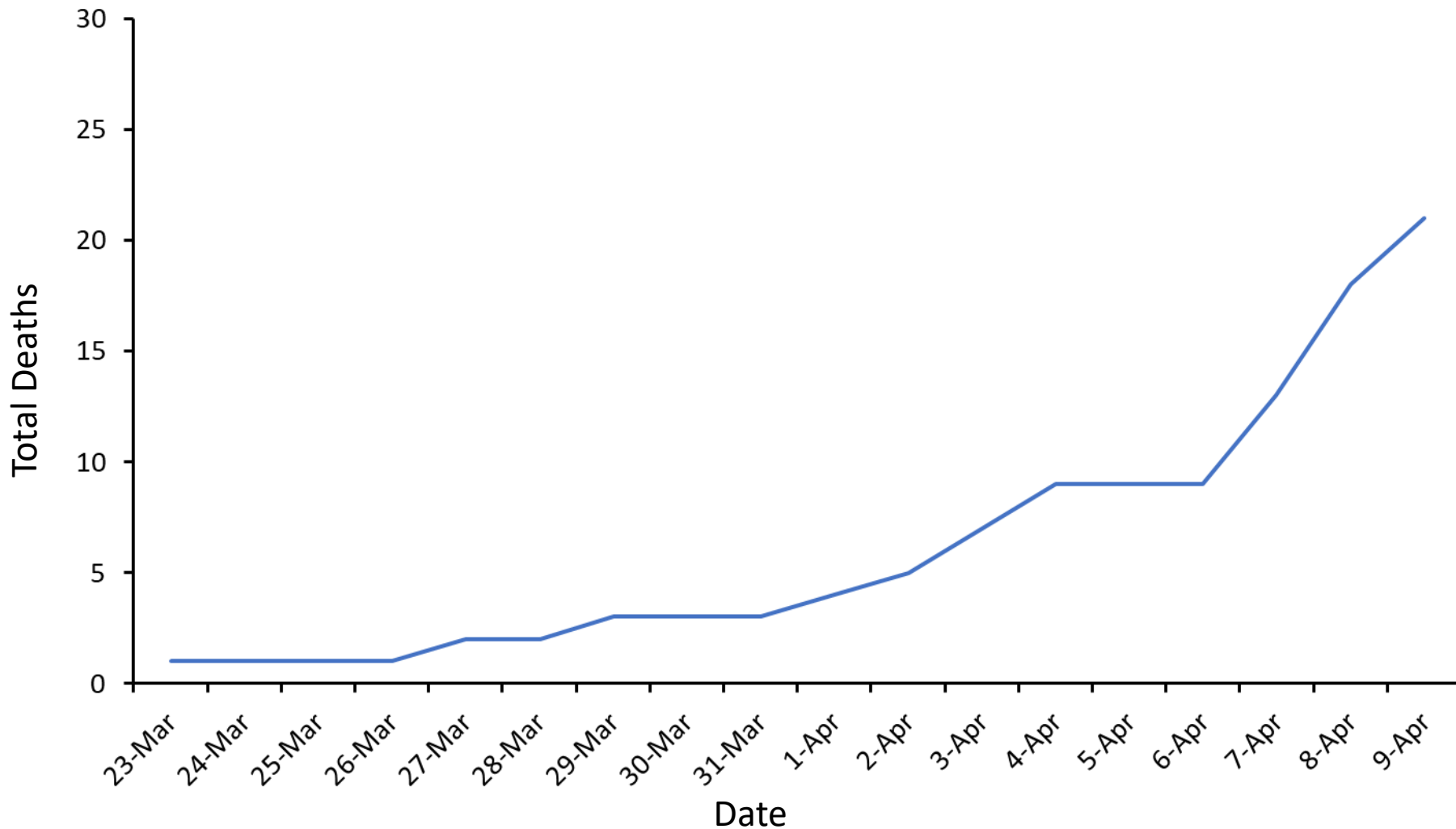


Daily COVID-19 Hospital Census in NH

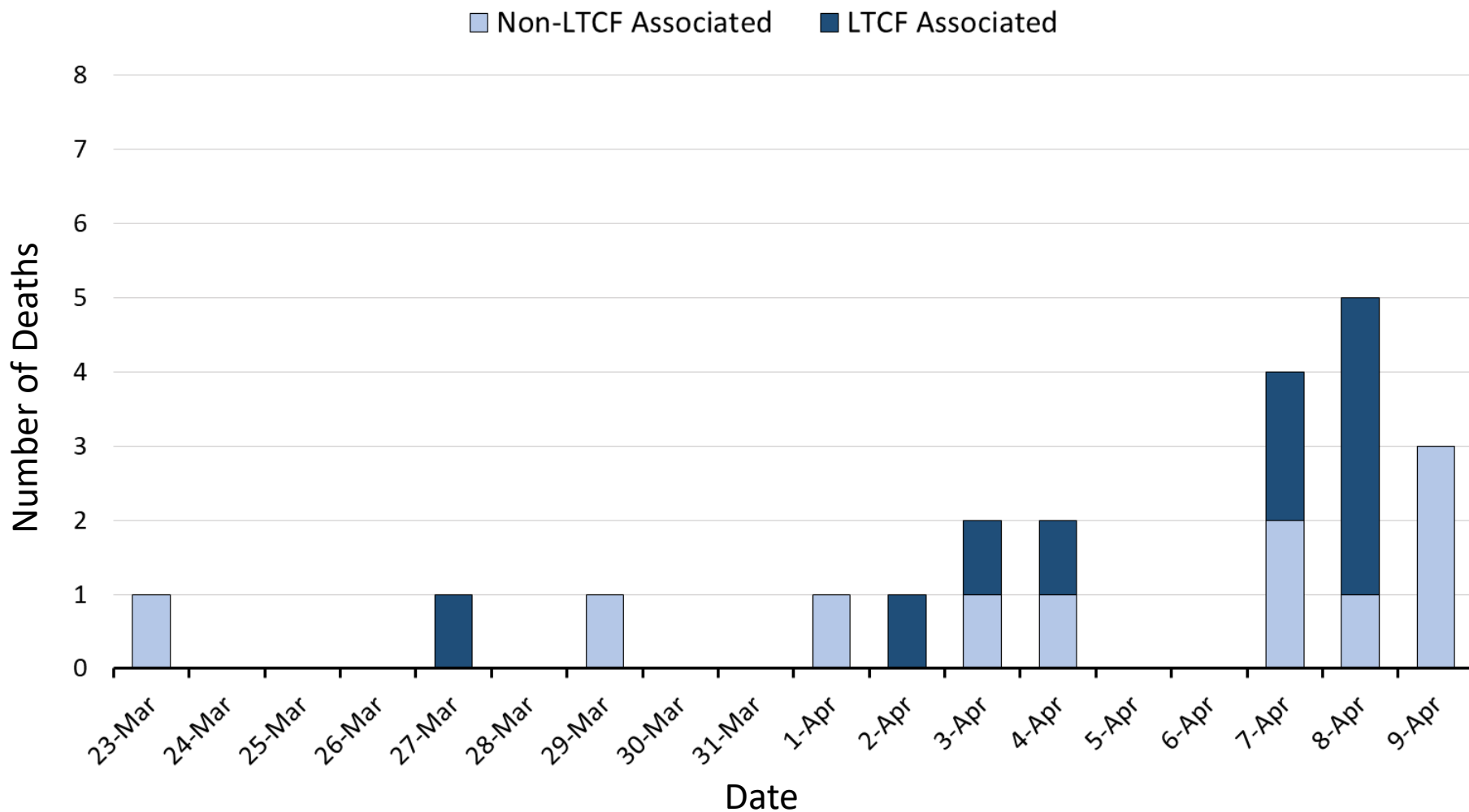


Data provided by the NH Hospital Association

Total Number of COVID-19 Deaths in NH



COVID-19 Deaths in NH Each Day



Summary of Key Points

- This epidemic will last many more weeks
- Our NH strategy appears to be working
- We need everybody to stay at home to protect people, especially older adults and those with chronic medical conditions
- Models and our own NH data show that now is the critical time to continue our community mitigation strategy
- Thank you for the work you are all doing to help stop the spread of this novel coronavirus