

New Brunswick Health System: COVID-19 Modelling

Technical Brief



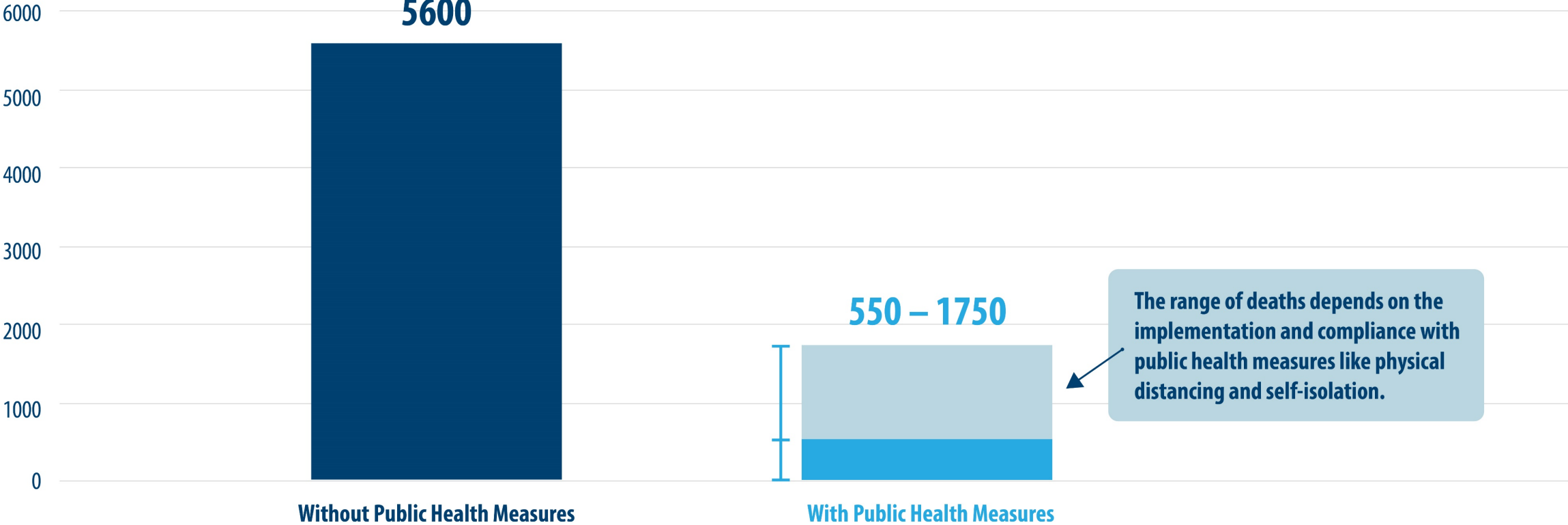
Introduction

- **The information provided in this presentation was developed by several experts at the Department of Health, Public Health, the Regional Health Authorities and inspired by similar modelling in British Columbia, Quebec and Ontario.**
- **The objective of today's presentation is to share the modelling and projection data that the province is using to inform their work in response to COVID-19.**
- **We feel it is important to be transparent with the public about the challenges we are facing, and the important work we all need to do to flatten the curve.**
- **How this outbreak unfolds is in the hands of New Brunswickers – we can change the outcomes by how we all stay at home and physically distance ourselves.**
- **Recognizing that we get new information about this outbreak on a daily basis, we will continue to refine our models.**
- **Our public health measures so far have made a significant difference and we need everyone to stay focused on these in the weeks ahead: stay home, save lives.**

COVID-19 Outbreak Today

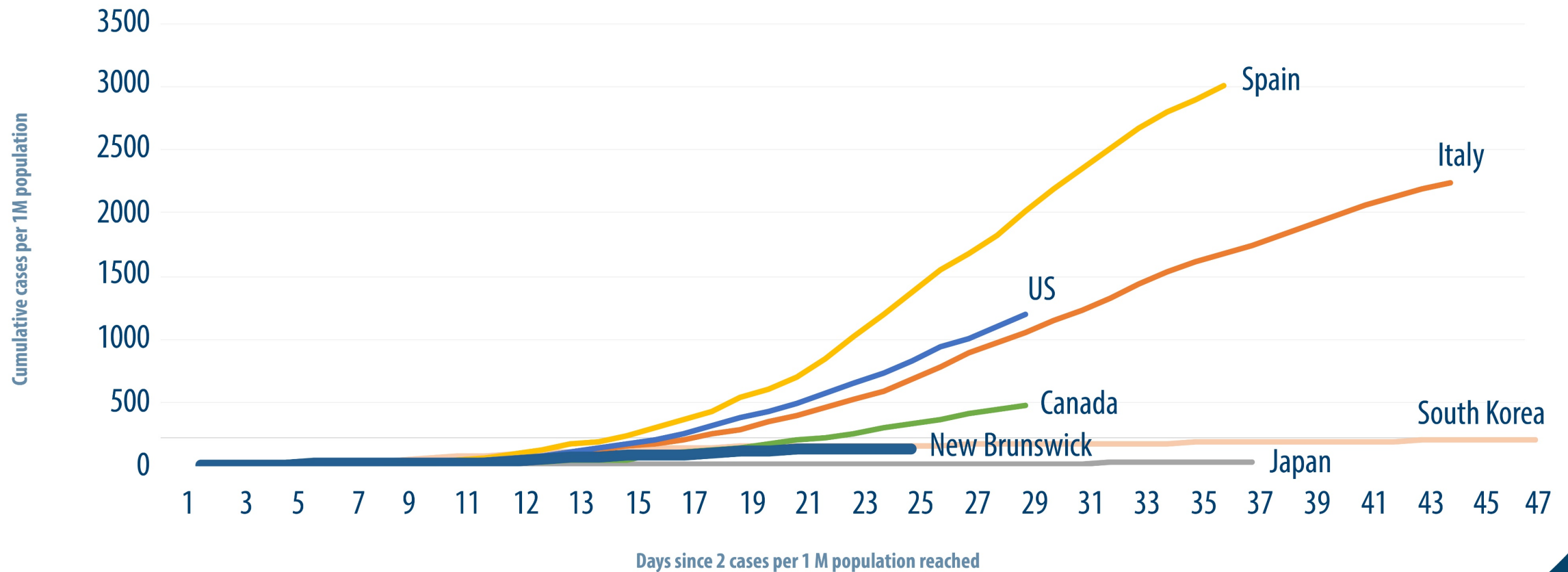
Cases in New Brunswick	Numbers
Confirmed Cases	111
Recovered Cases	53
Active Cases	58
Travel Related	56%
Contact of a Known Case	30%
Community Transmission	5%
Under Investigation	9%
Have Been Hospitalized (Acute Care and ICU)	10
Have Been Hospitalized (ICU)	4
Required Ventilation	3
Deaths	0

Projected Deaths in NB Over the Full Course of the Pandemic



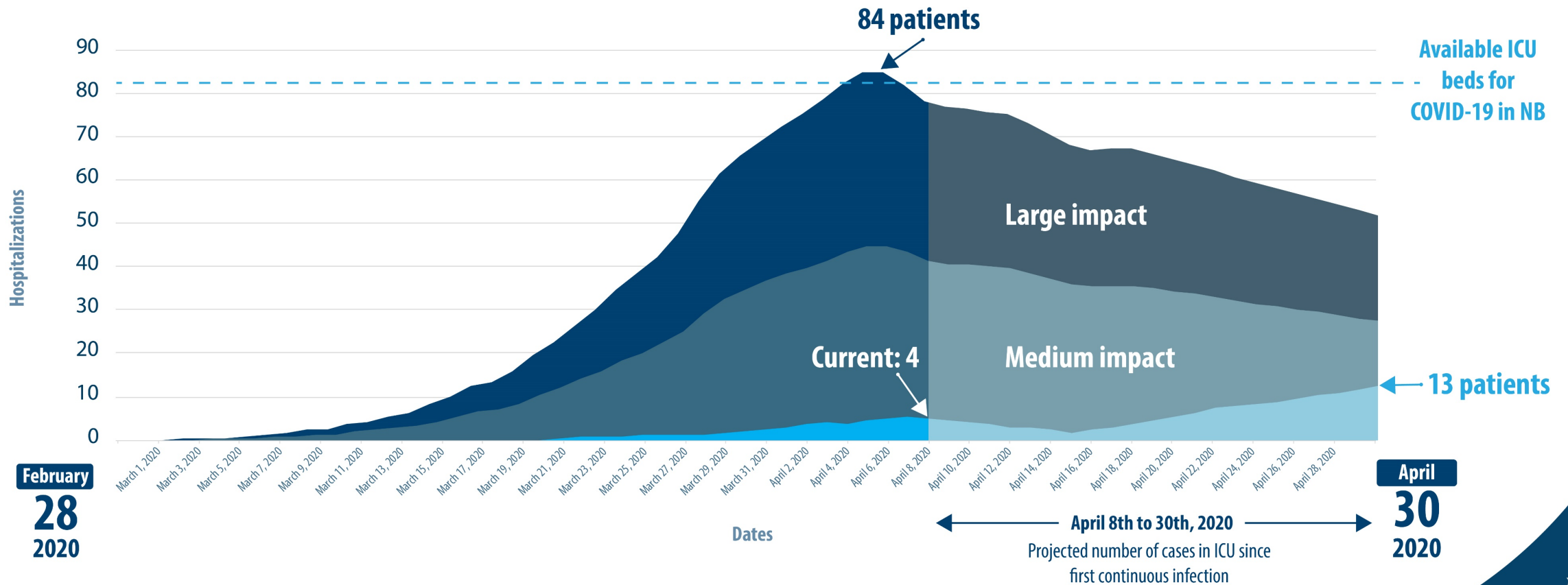
Global COVID-19 Case Rate Comparison per 1M Population

- Japan
- Italy
- South Korea
- Spain
- US
- Canada
- New Brunswick



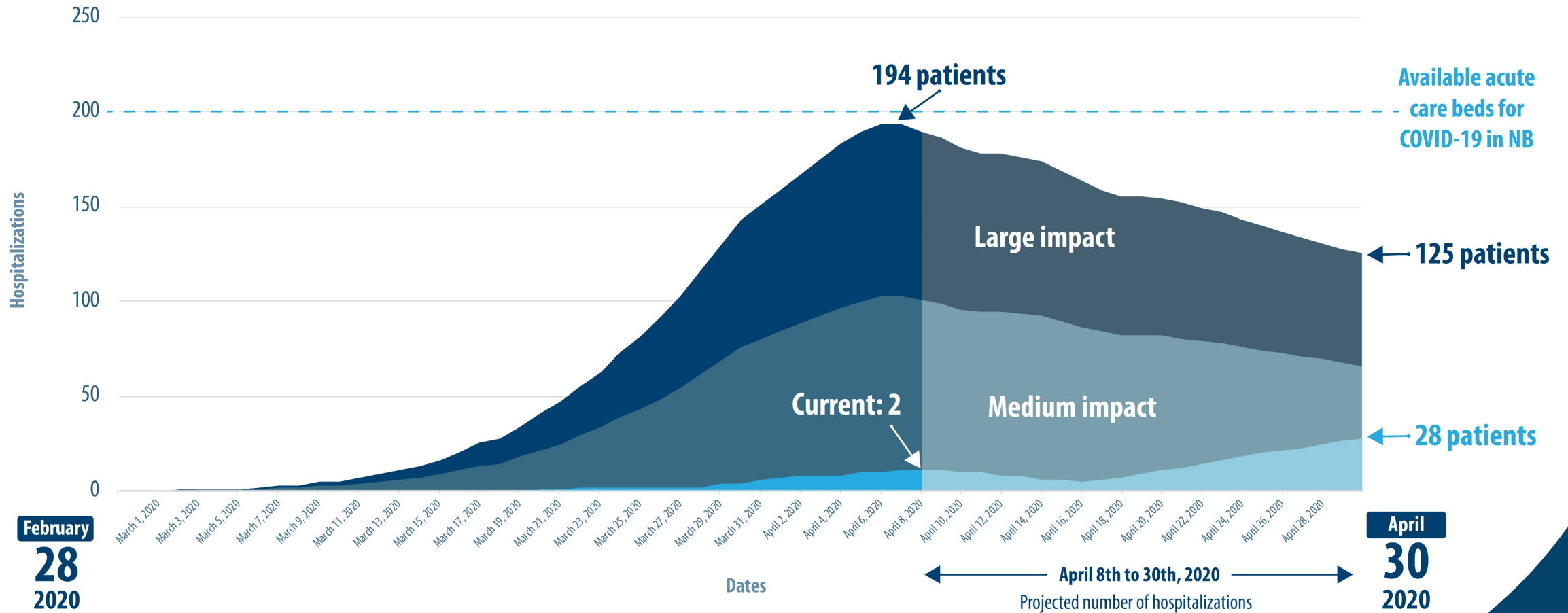
Projected Number of COVID-19 Cases in Intensive Care Unit (ICU) (April 30)

- Large impact (Northern Italy)
- Medium impact (Italy)
- New Brunswick



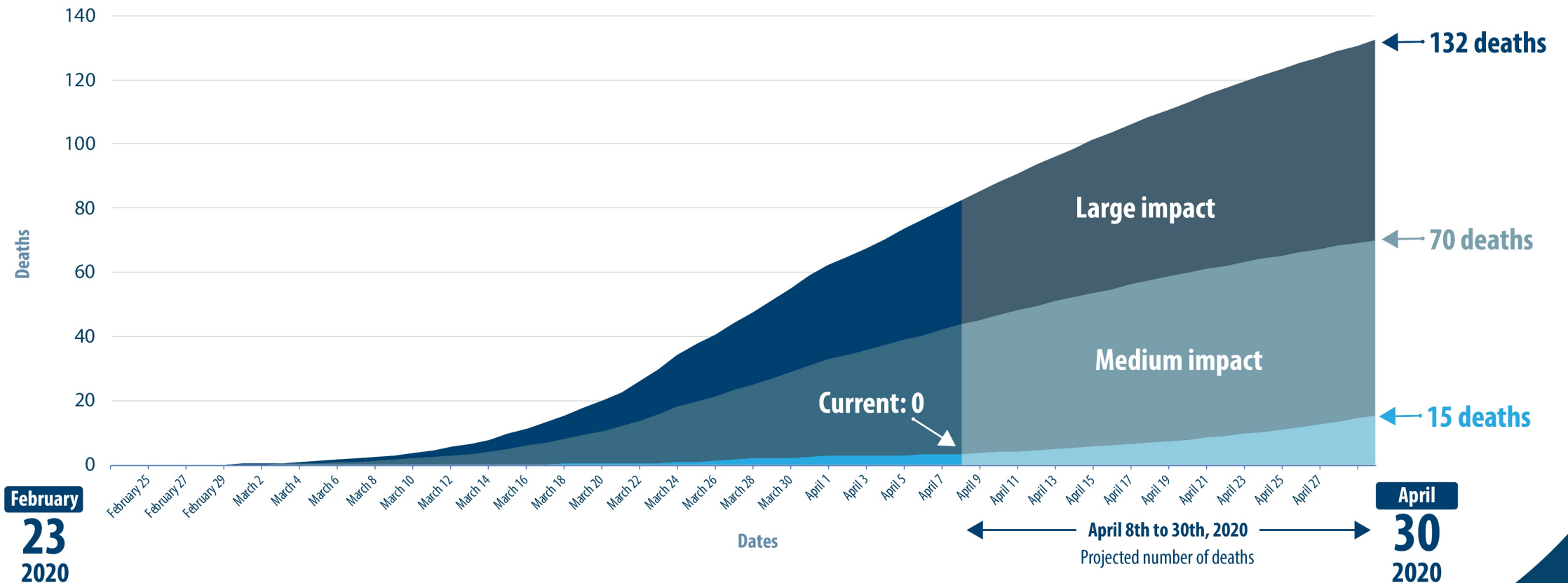
Projected Number of Acute COVID-19 Care Hospitalizations (April 30)

- Large impact (Northern Italy)
- Medium impact (Italy)
- New Brunswick



Projected Number of COVID-19 Related Deaths (April 30)

- Large impact (Northern Italy)
- Medium impact (Italy)
- New Brunswick



Looking Ahead

What the public can do:

- **We need you to help us continue to change the outcomes for New Brunswickers by staying at home and physically distancing.**
- **Our public health measures so far have made a difference and we need everyone to stay focused on these: stay home, stop the spread, stay safe.**

What we are doing:

- **Secure PPE to protect our workforce and ensure infection prevention and controls are in place in all health and long-term care institutions.**
- **Aggressively pursuing new capacity and technology for mass testing.**
- **Enhance capacity for contact tracing to respond to potential clusters and outbreaks more quickly.**

Questions?

Thank you.

