recidiviz

COVID-19 Incarceration Model

A tool for prison and jail administrators

About the tool

The COVID Incarceration Model was developed to help criminal justice leaders forecast the impact of COVID-19 on their population. The tool combines an epidemiological model with criminal justice data and is designed to help answer questions like:

- What day will cases peak in my facilities?
- How many hospitalizations, ICU commitments, and fatalities will result from that peak?
- How does changing our total population or the demographics of our population impact the peak?
- How does slowing the transmission rate impact the height and timing of the peak?

Get the tool

You can download the tool at https://www.recidiviz.org/covid. Recidiviz is a non-profit, distributing this tool for free.

Get help with the tool

Join a private community (for corrections practitioners only) to ask questions about the tool and make feature requests by sending an email to covid@recidiviz.org with the subject line 'Join the Conversation'

Using the tool

Selecting '[your state]' on the inputs tab will pre-populate the model with publicly available data. Entering your internal data on population, confirmed cases, and demographics will make the results much more accurate. If you need help fitting the model to your state's data or have questions about the tool, schedule time with the modeling team here.

Coming soon

The model will soon: 1) Separate staff from the incarcerated population, 2) Separate ICU bed commitments from hospitalizations, 3) Add an input for quarantine capability, and 4) Give users the ability to incorporate planned population reductions on future dates. So check regularly for updated versions at recidiviz.org/covid.

Reach out at covid@recidiviz.org if you have questions or feedback. Thank you for the important work you're doing!