



Response



Recovery



Resilience



Mathematica

Progress Together

Inform Responsible Reopening Practices with Workforce Planning



Mathematica’s scalable solutions offer confidence and clarity to address COVID-19’s complex challenges. Our evidence-based approach is built on decades of experience to help you quickly scale your response to the current crisis, guide responsible recovery for your community, and strengthen resilience to better meet the evolving challenges moving forward.

Learn how workforce-planning dashboards can help strengthen resilience today and create a stronger foundation for the future.

Mathematica’s COVID-19 workforce-planning dashboard.

As health care providers, long-term care facilities, schools, and other employers prepare to enter the next phase of their COVID-19 journey, Mathematica is helping them build capacity to measure, monitor, and manage risk today, while building a stronger foundation for the future. Employers need to ensure their workforce is safe and efficient. That starts with managing inventory of personal protective equipment, determining employee access to equipment and health services, maintaining reliable information about

workforce readiness, and leveraging technology to easily assess potential employee-patient outbreaks. Reliable, employee-reported data will help organizations make evidence-based decisions about workforce eligibility and access to the resources they need to get back to work safely.

Key benefits

- / Measure, monitor, and manage COVID-19 risk among your workforce
- / Make evidence-based decisions about workforce readiness through reliable, employee-reported data
- / Track employee symptoms of COVID-19 through a business insights dashboard
- / Understand who in the employee pool is healthy and available to work
- / Identify which areas of the workforce do not have adequate access to personal protective equipment
- / Leverage the power of longitudinal data to understand how symptoms within employee populations change over time

Mathematica's mission to improve public well-being drives everything we do. We work at the intersections of data science, social science, and public health. Our team of survey experts, data scientists, and public health researchers are exceptionally well suited to partner with organizations to reduce the spread of COVID-19. Our approach to managing workforce readiness leverages state-of-the-art, proven digital tools that build on a strong foundation of decades of evidence-based research expertise. Coupling our past experience with current tech solutions can prepare organizations to strengthen resilience and better meet the evolving challenges moving forward.

To that end, our workforce-planning dashboard turns large-scale questions into useful descriptive statistics, allowing employers to quickly evaluate questions like, how many employees are reporting a fever? Or, what percentage of employees are currently recovering from COVID-19? Finding answers to these system-wide unknowns allows employers to understand disease within their population. Using that data, they can build workplace policies and best practices for managing and combating illness.

Reliable, secure data collection and tested technology implementation. Mathematica's workforce-planning dashboard offers employers trusted, holistic information about employees' well-being, sourced from employees themselves through a series of staff surveys. These powerful insights are developed through a fully digital employee survey, providing descriptive summary statistics and interactive analytics that can help senior leaders understand conditions at an organizational, departmental, or individual staff level. A preliminary questionnaire asks employees about medical history to assess preexisting conditions, while a reoccurring survey prompts employees to monitor and report symptoms of COVID-19 (for example, Do you have a fever? How severe is your cough?).

✓ **This tool gives us the ability to transform how health care is delivered in a digital world. We have the opportunity to save lives, get back to work, and restore safe zones.**

Dr. Christopher Williams, Founder, OnPacePlus



Inventory and equipment systems integration. Our dashboard also assists health organizations on the frontlines of the COVID-19 response in tracking critical medical equipment and pharmaceuticals, like consumption and remaining inventory of masks, single-use ventilator components, and critical pharmaceuticals like remdesivir. Known inventory can be compared with employee perception of access to these products to help employers identify and manage gaps in distribution.

Unparalleled expertise in structuring and distilling data to drive from insights to action. Making decisions about employee health without data is risky. To mitigate that risk, the workforce-planning dashboard allows stakeholders to visualize key metrics and quickly scan clean, reliable, and well-organized data in daily and longitudinal views, providing the ability to understand immediate employee needs and organizational health over time. The dashboard serves as a secure log of employee symptoms and equipment access at the level of the individual, department, or job function, and it tracks changes in those data as employers respond to the pandemic.

The dashboard is fully customizable to institutional demands, allowing decision makers to survey and review data as needed, and send alerts based on important events or guideposts (for example, when an employee reports symptoms or when the count of healthy employees drops below a certain level).

Are you ready to get back to work? Find out how to build capacity to measure, monitor, and manage risk in your organization today, while building a stronger foundation for the future. Visit mathematica.org/services/covid19 or email Andrew Hurwitz at ahurwitz@mathematica-mpr.com or Michael Pappas at mpappas@mathematica-mpr.com.

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