



# Surge Capacity Demand Planning

## Features and Benefits

The 3M Surge Capacity Demand Planning tool can serve the needs of Fire, Law Enforcement, Medical and Emergency functions and can be highly customized to include:

- Local demographics and population densities
- Magnitude and age stratification of profiles resulting from potential emergencies
- A timeline of a rise in demand for emergency and medical services
- Alignment with existing emergency plan protocols and product usage rates
- Workflows and patient flows anticipated in emergency plans
- Stockpile supply and demand estimates

## Emergency Preparedness, Response & Recovery

### For Public Health, First Responders and First Receivers

When a public health event, natural disaster, act of terrorism or accident causes mass casualties or poses a health, safety and security risk to a large population, having the proper equipment and supplies available in the right quantities to meet demand is crucial. Maintaining public confidence and order will depend on how well first responders, including police and fire departments, and the first receiver hospitals and clinics are prepared for a sudden increase in demand for personal protection and life-saving supplies.

Globally, the 3M Surge Capacity Demand Planning Tool has effectively helped officials in government departments and Ministries of Health, Interior and Civil Defense in more than 35 countries. Based on customer inputs, the 3M Surge Capacity Planning Tool can simulate thousands of different possibilities in minutes, providing a prioritized view of the supply chain needed and the supporting logistics required.

The planning software uses roles and responsibilities and workflows to create a customized logistics and supply chain profile. The end user breaks down an event into key inputs that are entered into a scenario building module. These inputs are then used in combination with the rate of consumption of products and services throughout the event.

Based on customer demographic input, this tool can capture where and when products will be consumed, and can incorporate epidemiology, variability and uncertainty of inputs profiling the event.

3M has incorporated event simulation in its planning tool, which allows end users to analyze thousands of emergency scenarios selected randomly from end user-defined possibilities.

3M Planning Tools-  
improve your planning  
for disasters  
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This represents a significant advance in the predictive capability. This allows planners to see risk and probability indexed preparedness and demand planning results.

The 3M team can help you generate demand estimates, predict stockpile reserves and quantitatively predict a range of Minimum Readiness Levels (MRL). The planning tool can be used to provide multiple scenarios and optimization profiles, what-if analysis and cost estimates. It can also quantify the variation of demographic profiles and show how they influence stockpile levels

The quality of the output is entirely dependant on the quality of the inputs. Inputs will come directly from clients or their designated experts. The 3M team provides customers with written results of each scenario demand plan, to create a file of reference materials for further customer use.



### Next Steps:

1. Talk to your 3M representative
2. Arrange for a 30–45 minute presentation
3. Conduct a working session
4. Adjust your preparedness plan using recommendations



“Preparedness is not an act, it is a process that continually evolves with new information and new knowledge. 3M planning tools allow you to see a granular view of events from a logistics and supply chain perspective.”

John Pournoor, PhD  
3M Government Markets Organization

### For More Information

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