

# Chemical City Planner Resource (chemCPR)

The chemCPR tool helps federal and state, local, tribal, and territorial (SLTT) response and exercise planners better prepare resources and personnel to save lives.

The interactive, web-based strategic planning tool provides effects information for chemical release scenarios in specific cities/geographic areas to help planners understand how an event may unfold, its impacts, and potential response actions. Federal and SLTT emergency managers can use chemCPR to plan responses and inform the development of city- and region-specific exercises and identify resources and personnel that need to be identified before an event happens. The tool's editable reports and customizable maps can be repurposed in various types of planning documentation and presentations. The chemCPR tool offers:

### Planning and exercise tools

The chemCPR tool provides animations, maps, movies, and downloadable, editable reports to develop response planning and exercises for your city.

### City-specific Scenarios

ChemCPR provides detailed, in-depth impact analysis of several hypothetical releases in a representative set of cities and regions.

### Realistic visualization.

ChemCPR provides a more realistic visualization of chemical gas and particulate behavior and relevant impact estimates to help SLTT planners and responders better prepare for real-world events.

### Resource planning

Detailed chemCPR scenario reports help planners identify the scale of needed resources for medical, first responder, transportation, evacuation and sheltering, and debris removal. Downloadable, editable reports include event progression, injury and casualty analysis, and infrastructure impacts for each scenario.

### Beyond simple hazard assessment

Access animations, detailed community-specific visuals, and reports that incorporate the effects on buildings, terrain, time, weather, and gas density to better understand how a catastrophic chemical event might unfold. These features help your planners and exercise designers go beyond simple hazard assessment contours on a map.

### Interactive Geographic Information System (GIS)

The ChemCPR tool has an interactive GIS capability to display Homeland Security Infrastructure Program (HSIP) Gold/Homeland Infrastructure Foundation-Level Data (HIFLD) on customizable maps for reports and presentations. GIS kmz/shapefiles are downloadable for use by SLTT planners.

The chemCPR tool is currently in beta testing and is expected to be available through the FEMA Preparedness Toolkit in early 2025. Please reach out to FEMA's Office of Emerging Threats ([FEMA-OET@fema.dhs.gov](mailto:FEMA-OET@fema.dhs.gov)) with questions.



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