

# Continual Preparedness for Public Health and Medical Organizations



## The Challenge: Preparing for the worst amid acute uncertainty

Anthrax. Plague. Pandemic influenza. Bioterrorism attacks. When it comes to managing public health emergencies, mastering complexity is the challenge. And accurate, timely, and available information is the most powerful resource for helping organizations prepare for, respond to, and recover from any health-related incident or event. One solution has the power to meet these pressing needs – Previstar Continual Preparedness System (CPS).

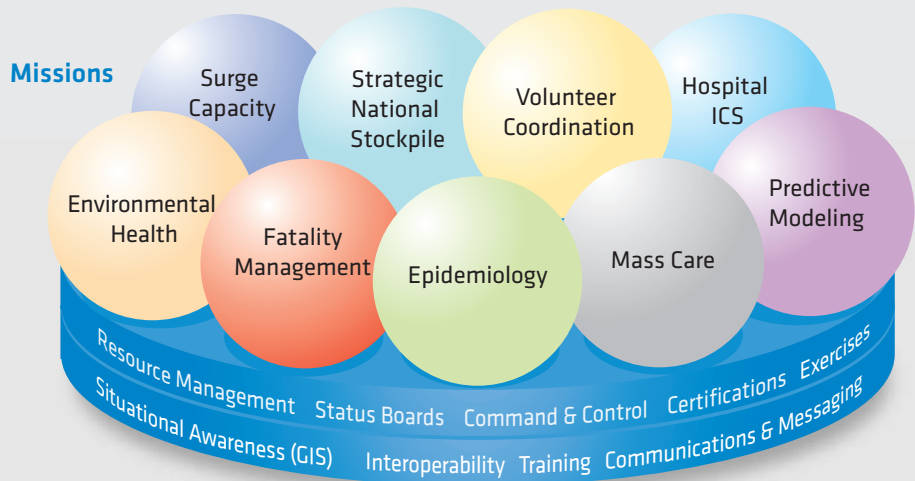
## The Power of Actionable Information

Previstar’s Continual Preparedness System (CPS) merges Web accessibility with a powerful database, predictive modeling, and GIS to give organizations the power and flexibility to understand and act on the complex relationships between resources, activities and locations, in a dynamically changing environment. With this easy to use system, public health officials and emergency managers can effectively anticipate and manage resource requirements before, during, and after a crisis.

The Previstar CPS is an intelligent information management system that will:

- **Predict, Track and Allocate Resources:** Manage resources including personnel, hospital beds, blood supplies and medications, while coordinating and operating a largely volunteer-staffed health delivery system spread across many facilities

- **Link Planning and Response Processes:** Build role-based tasks and checklists to address specific response needs before an incident and later activate instantly to execute the response activities
- **Improve Exercises and Simulations:** Apply your own data to exercises. Incorporate standard public health and medical response templates, plus e-learning tools to develop workforce preparedness
- **Facilitate Certification:** Document compliance and bring best-practices processes to life
- **Document Costs:** Capture all times, places, activities and financial data
- **Manage Complex Operations:** Provide communications, messaging, and task management for interrelated resources, activities and locations across an entire region



**Previstar  
Software Features**



## Continual Preparedness for Public Health

### Smart Tools for Tough Missions

Previstar provides a single means for communications, command, control, and coordination of key aspects of the Public Health System's missions.



- **Surge Capacity:** Dynamically monitor emergency resources and facilities to manage escalating demand for beds and services in the event of bioterrorism or other large-scale public health emergencies or disasters
- **Strategic National Stockpile:** Tools and structure to effectively manage the incident, including: command structure and staff, resource management, logistics, inventory control, state and local SNS team member credentialing, and POD planning and implementation
- **Volunteer Coordination:** Recruiting, validation and assimilation of trained, qualified, and credentialed volunteers who can help increase community emergency response capacity
- **Hospital ICS (HICS):** Comprehensive incident management, including HICS-specific command structure, job roles, tasking, resource management, communications and command and control; ICS best practice templates to achieve certification and mount an effective emergency response
- **Environmental Health:** Searchable environmental health information, such as facility information (restaurants, shelters) for inspection purposes, information tracking (animal control, hazardous waste), and resource tracking and management (HAZMAT Teams, PPE)
- **Fatality Management:** Tasks and resources to track and manage how bodies are handled, stored, transported and buried
- **Epidemiology:** Base platform for epidemiological planning, tracking, response, and simple surveillance. Store and retrieve documents, such as toxicological profiles, and use GIS to plot outbreak/quarantine for syndromic tracking and surveillance
- **Mass Care Support:** Current information on all potential facilities, operational plans, staffing recommendations and resources included in a mass care support effort, such as floor plans, recommended resources (shelter supply kits, first aid, and administrative supplies), operational plans and staffing recommendations
- **Predictive Modeling:** Forecast casualties, resource and task requirements; pre-built bioterror contagious and non-contagious disease models, plus a custom Model Builder tool

### Flexible Technology

Previstar is built for easy deployment over the Web or on site. Any PC or wireless device with an Internet connection and a Web browser can connect to the system. The extensive use of standard, upgradeable hardware and software such as Microsoft™ Outlook and SQL Server, and ESRI™ GIS makes Previstar a cost-effective system that facilitates ease of integration, maintenance and upgrade. Previstar works with leading industry-standard software, and can interoperate with the existing systems of your local, state and federal partners.

### Success in Challenging Environments

Previstar has a track record of success in a variety of planning, response and recovery operations, including:



- **Hurricane Katrina Recovery:** Helping the City of New Orleans save tens of millions of dollars in reimbursement efforts
- **2002 Winter Olympics:** Delivering situational awareness information to first responders
- **2004 Florida Hurricane Recovery:** Supporting the massive debris management and FEMA reimbursement effort
- **National Bioterrorism Exercise:** Supplying predictive modeling and decision-support data for the 2003 TOPOFF III national bioterrorism exercise
- **US Army Bioterrorism Preparedness:** Providing the U.S. Army Medical Command (MEDCOM) with automated bioterrorism templates
- **Pandemic Flu:** Supporting multiple large-scale Pan Flu exercises

### Learn More

The Previstar Continual Preparedness System is the only intelligent resource and information management system that automates NIMS and HICS guidelines, and provides the most comprehensive system to prepare for, respond to, and recover from any incident or event.

To learn more, call 800-499-9879, or visit [www.previstar.com](http://www.previstar.com)