The threat of an infectious disease outbreak, such as a pandemic influenza has resulted in an innovative solution — the Global Disease Surveillance Platform (GDSP). The GDSP is designed to provide organizations with timely access to critical information. The platform vividly tracks the spread of diseases or other health threats using a GIS visualization process. And it can model an outbreak’s geographic and demographic impact on a community — locally, nationally or globally. This tool can help create awareness and understanding of an outbreak’s characteristics, so health officials can rapidly respond and inform the public.

About Northrop Grumman

Northrop Grumman has served America’s health and research institutions for 20 years. Our advanced information technology and world-class health expertise, help you solve your most complex problems and achieve your most difficult missions. Our health solutions include: Electronic Health Records, Health Information Management, Information Assurance & Privacy, Lab Information Systems Management, Disease Surveillance Systems, Registries, Networks, Data Exchanges, Systems Integration, and Assessments.

Clinical Information Systems
Public Health
Healthcare Systems Management
Life Sciences

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In an emergency, forewarning may save lives. The GDSP is a patent-pending tool designed to provide timely awareness of infectious disease outbreaks whether acute, mild or chronic. Modeling and predictive analysis determine the outbreaks estimated life cycle and rate or distance of travel.

Using computer-aided visualization and analysis, GDSP creates awareness of the size and scope of identified potential threats.

**What GDSP Can Do**
- Detect and Identify infectious disease outbreaks and other public health threats
- Track the spread of disease and other health threats
- Analyze risk and impact
- Monitor and Notify designated public health organizations
- Deliver critical information to designated public health agencies
- Evaluate public health organizations’ response to warnings or events
- Reach local, national and global communities

**Aiding Rapid Response to Minimize the Spread of Illness**

**Our History of Support:**
**Disease Surveillance & Tracking**

- National Immunization Program Vaccine Ordering and Distribution System for efficient, routine distribution of vaccines domestically
- BioSense to detect bioterrorist attacks and other significant events
- Emergency Operation Center to address anthrax, West Nile virus, and Severe Acute Respiratory Syndrome (SARS) with comprehensive data
- Web-Based Emergency Communications to move quickly as events occur
- Outbreak Management System to track chemical and biological outbreaks
- Electronic Foodborne Outbreak Reporting System to track illness outbreaks
- Early Aberration Reporting System for early event detection
- ArboNET for West Nile virus surveillance

*In partnership with such customers as the Centers for Disease Control and Prevention (CDC).