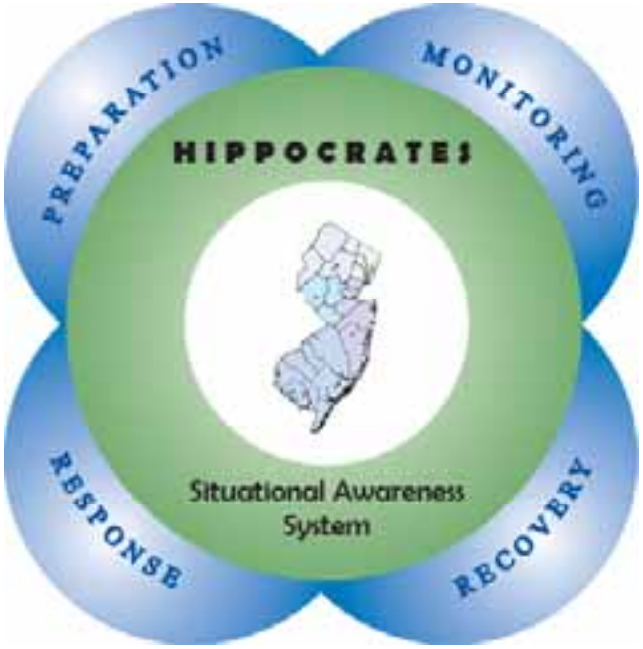
Hippocrates

New Jersey's Health System Situational Awareness Application

ESRI

October, 2007



Jon S. Corzine
Governor

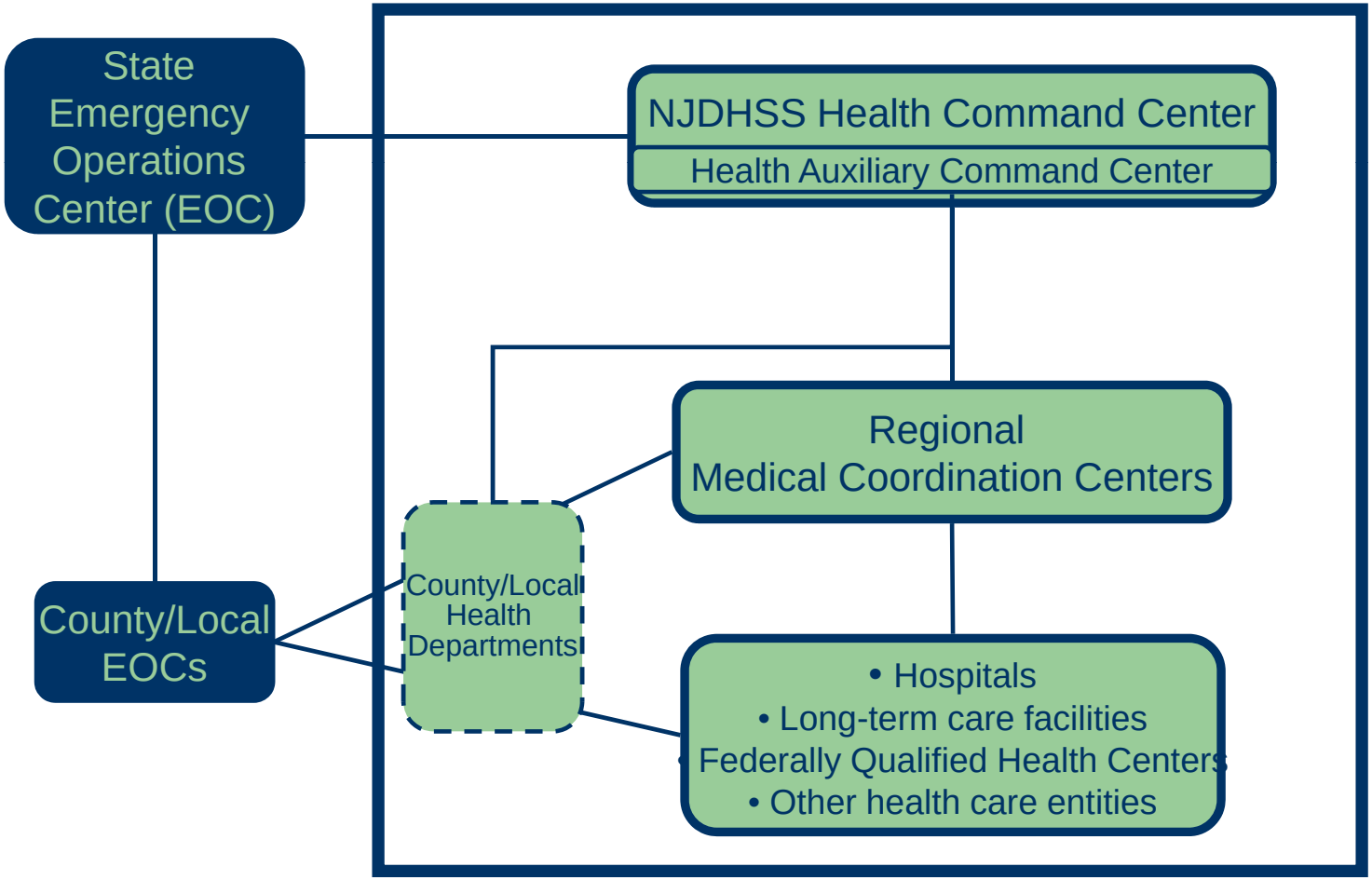
NEW JERSEY DEPARTMENT OF HEALTH AND SENIOR SERVICES

Fred M. Jacobs, M.D., J.D.
Commissioner

New Jersey's Health System

- 8.7 million people
- 566 municipalities
- 114 local health departments
- 21 counties
- 22 lead health agencies
- 5 planning regions
- 79 acute care hospitals
- 9 Medical Coordination Centers
- 1 Health Command Center

New Jersey's Health Response System



Application Development

- Initiated development in 2003
- Piloted during TOPOFF 3 in April 2005
  - Identified additional requirements
    - **Seamless integration** of additional health applications
    - **Increased map area**
    - **New functions** such as search
    - **Bi-directional** Email communication and document sharing
    - **Additional reporting** and summary statistics
    - New opportunities for **advanced analysis**
- Refined Version 1.0 requirements in Fall 2005
- User Acceptance Testing in Summer 2006
- Launched Version 1.0 in December 2006

Hippocrates Version 1.0

- **Connects** New Jersey's Health Response System
- Integrates and analyzes **real time and static health data**
- Maintains **situational awareness** before, during, and after natural and man-made emergencies
- Monitors **health system status** on a daily basis
- Supports **informed decision-making** during a health emergency
- **Customizes access** on an individual or group basis – users see only the information they need
- A **web-based application suite** developed and owned by the NJ Department of Health & Senior Services

Dynamic Data Integration

HIPPOCRATES

- Advanced and Basic Life Support
- Acute and Non-Acute Care Hospitals
- Points of Distribution
- Blood Banks
- RSS Medical Stockpile Locations
- Health Departments
- Hospitals from Surrounding States
- Long Term Care
- Command Centers

HEALTH LAYERS

- Post Offices
- Schools
- Roads
- Municipalities
- Counties
- Surrounding State Counties

BASE MAP LAYERS

- Incidents
- Events
- Weather/Traffic
- Medical Stockpile
- SitStat Surveys
- Hospital Divert Status
- Ambulance Locations

REAL-TIME FEEDS

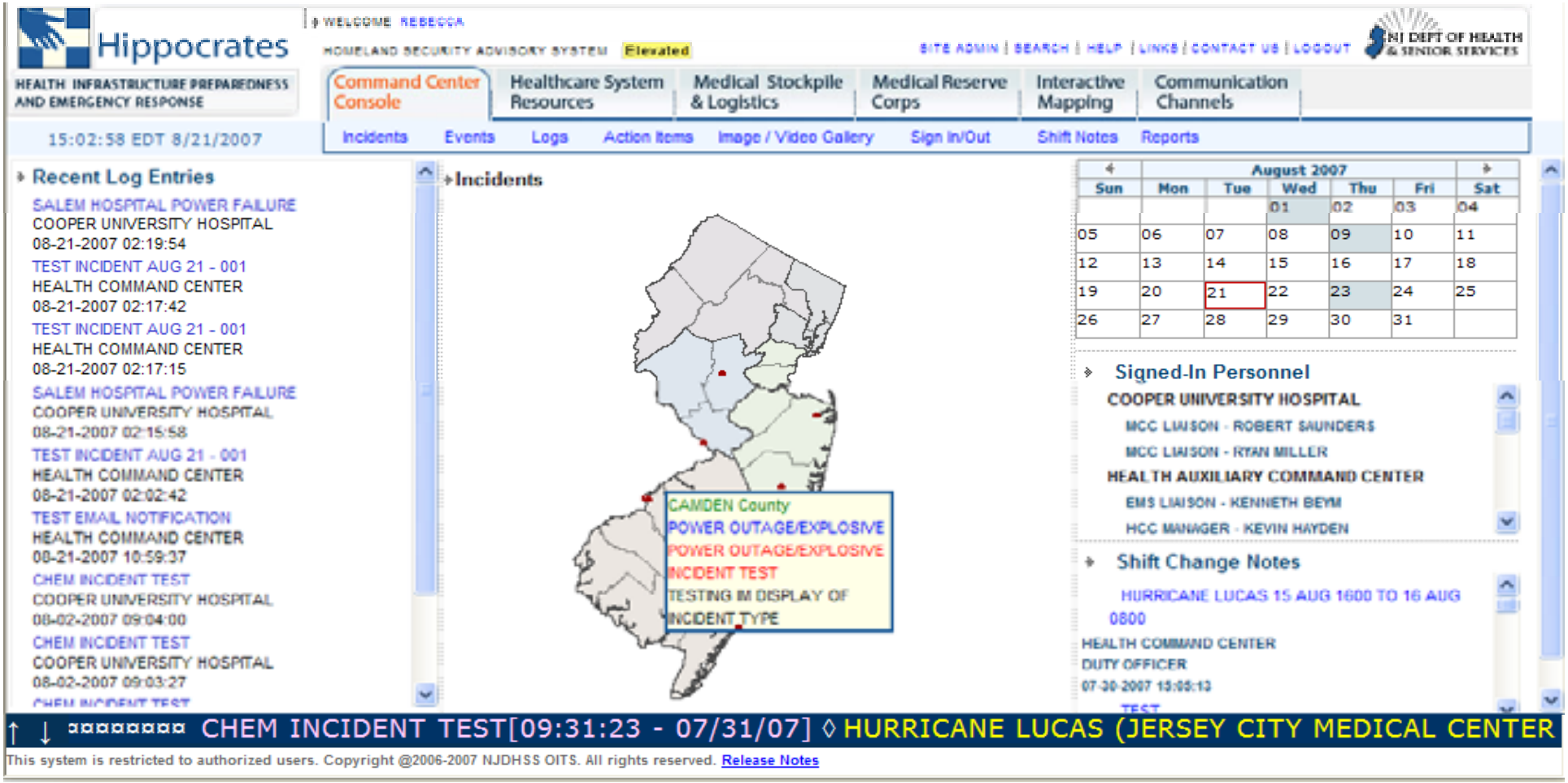
Application Modules

- Command Center Console
- Healthcare System Resources
- Interactive Mapping
- Communication Channels
- Burn Center Module
- Poison Control Center Module

Command Center Console Features

- Incident and Event **tracking**
- Customized **email notification**
- Electronic **Shift Change Notes**
- Command Center **Sign In/Out**
- **Status** of statewide Command Centers
- Task assignments through **action items**
- **Log** of command center activities
- Canned and customized **reports**

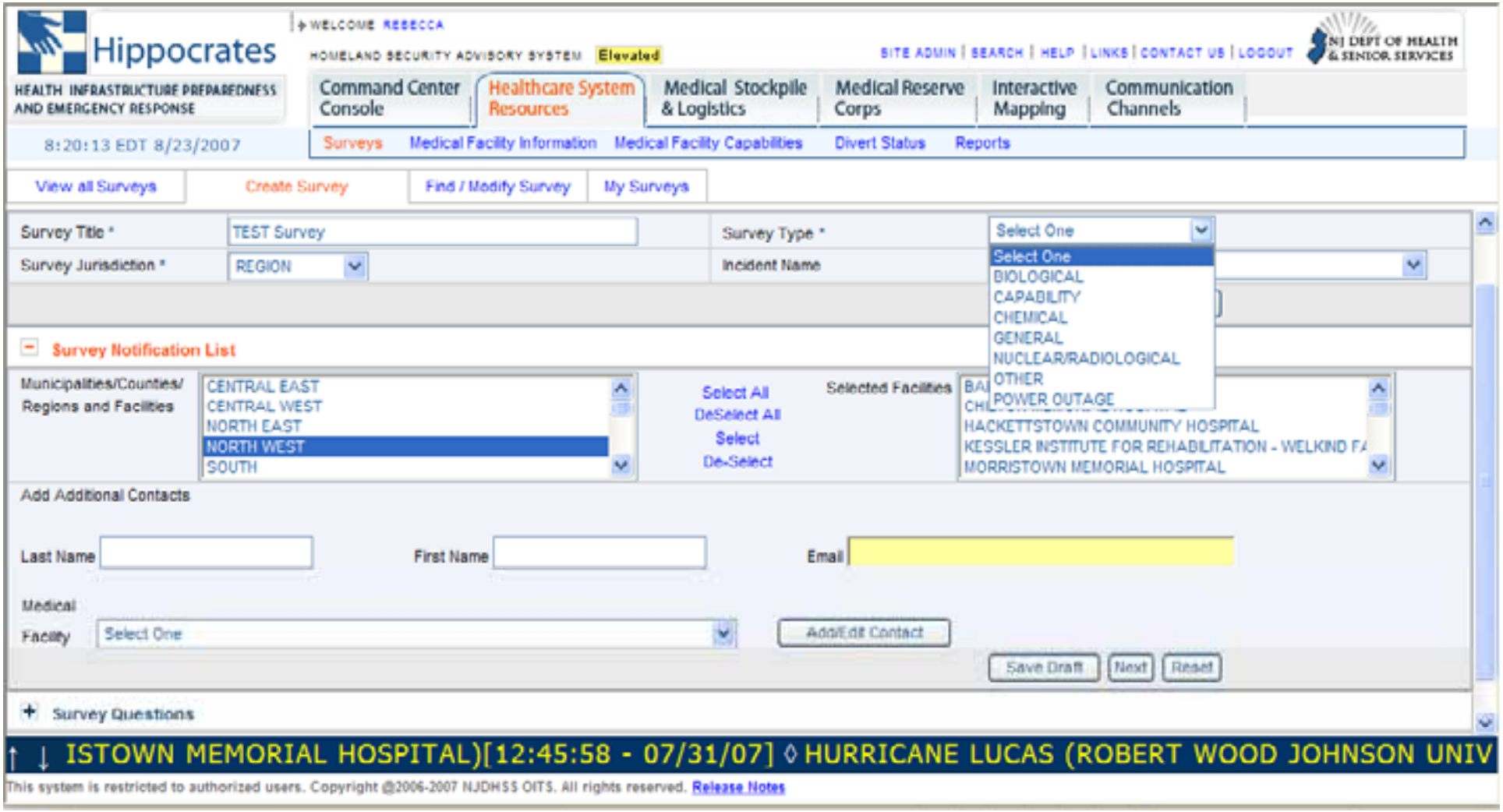
Command Center Console



Healthcare System Resources Features

- Medical facility **baseline information** including contacts, bed counts, medical supplies
- Hospital **diversion** status
- Canned and **dynamic** surveys
- Advanced survey **scheduling**
- **Customizable email** list for survey recipients
- **Multiple report types** for survey analysis

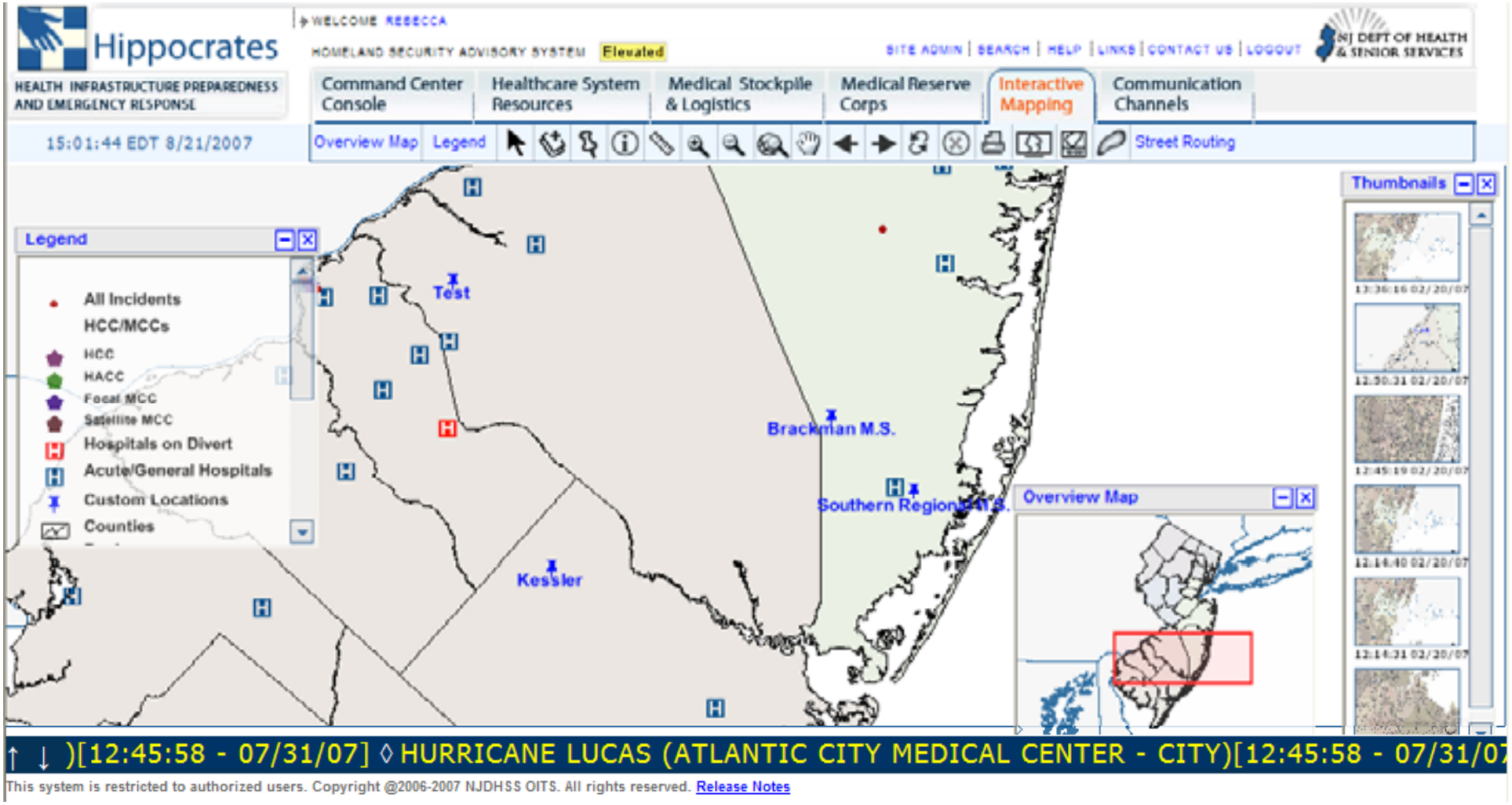
Healthcare System Resources



Interactive Mapping Features

- Floating, transparent windows **maximize viewing** area
- Over 50 **data layers** w/ data from multiple state agencies
- **Dynamic data** layers, including:
  - Weather and traffic
  - Medical stockpiles
  - Hospital diversion
  - Incidents
- **Plume modeling**
- Static and dynamic **thumbnails**
- Add **custom locations**

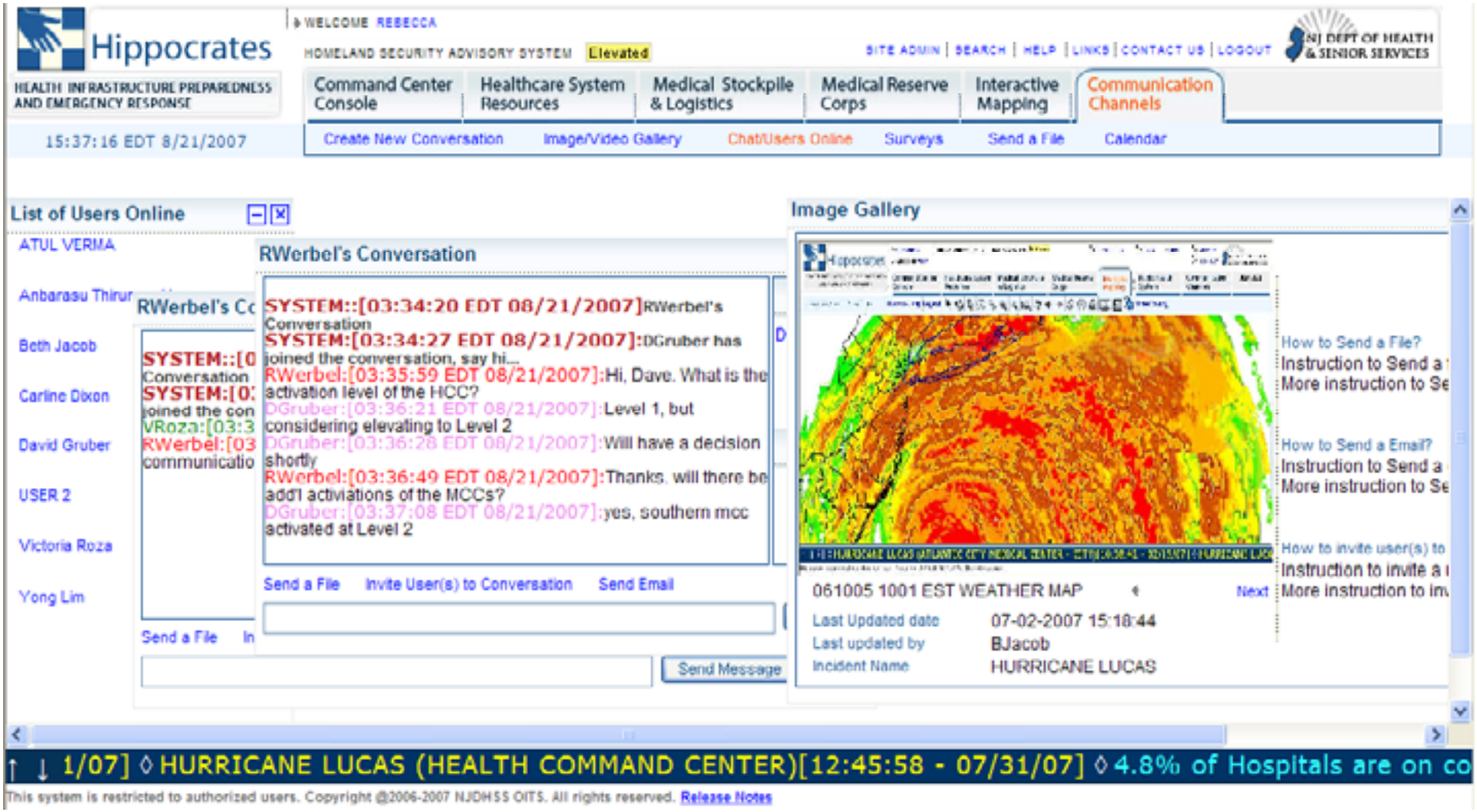
Interactive Mapping



Communication Channels Features

- Quick, efficient, bi-directional **communication**
- **Share and disseminate** information including documents, images, sound and video files
- **Calendar display** of statewide and regional activities, including trainings, exercises and meetings
- **Image gallery** to post videos, documents, spreadsheets, etc.
- Lists users currently **online**
- Shows user **positions** in Command Center

Communication Channels



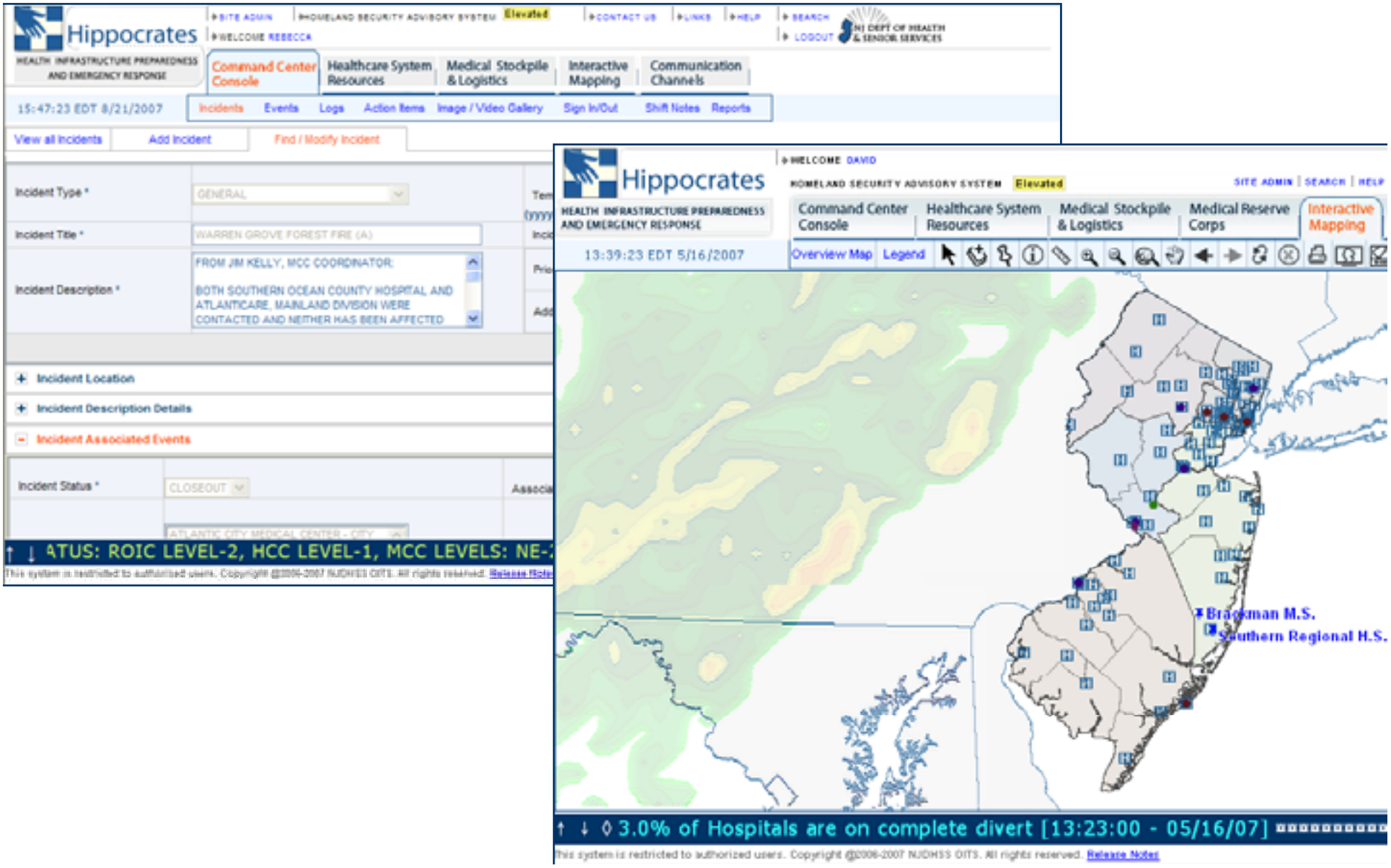
Version 1.0 Rollout

- User Acceptance Testing
- User Groups & Privileges
- Training Program
  - Materials
  - Tailored trainings
- Phased Production Launch
- Help Desk Support

Hippocrates Users

- NJ Department of Health & Senior Services
  - State Health Command Center (HCC)
  - Regional Medical Coordination Centers (MCCs)
- Acute Care Facilities & Healthcare Systems
- LINCS Agencies (County/City Health Departments)
- NJ State Police (e.g. State Emergency Operations Ctr)
- Federal agencies (e.g. USDHHS Region II)
- External partners (e.g. New Jersey Hospital Association)

Warren Grove Forest Fire – May 2007



Contact Information

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