PrepLink(SM): Overview of the Strategic Bio-Defense Emergency Operations and Communications System

Emergency Management Summit
February 4, 2008

Presented By: Cliff Denholm, Kathy Criss and Becca Nelson

Presenters & Introductions

Presenters:

Becca Nelson	Project Director, PMP - University of Pittsburgh Medical Center, IMITs (Innovative Medical and Information Technology Center)
Cliff Denholm	Program Director - University of Pittsburgh Medical Center
Kathy Criss	Director, Disaster Management Center - University of Pittsburgh Medical Center

Overview

- Introduction – ***Kathy Criss***
  - Regional Background
  - SBEOCS Purpose, Mission, Objectives
  - SBEOCS Components
- PrepLink(SM) Overview
  - What is PrepLink(SM)? – ***Becca Nelson***
  - Incident Command within PrepLink(SM) ***– Kathy Criss***
  - PrepLink(SM) Role-Based Security – ***Cliff Denholm***
  - PrepLink(SM) Deployment & Testing – ***Cliff Denholm***

SBEOCS Purpose and Objective

- **Purpose**: Regional healthcare preparedness

- **Objective**: Develop an enterprise partnership among the PA National Guard, Western Pennsylvania Emergency Response Groups, Commonwealth of Pennsylvania, and healthcare providers to give situational awareness of public health, healthcare, and supporting entities for healthcare management during disasters.

PA Region 13 - Background

- Pennsylvania Region 13:
- Thirteen county area of Western Pennsylvania
- Covers 9,478 square miles
- Comprised of 712 municipalities, the largest being the City of Pittsburgh.
- Population approximately 3.1million
- Formal mutual aid agreement was ratified by the counties of Allegheny, Armstrong, Beaver, Butler, Cambria, Fayette, Greene, Indiana, Lawrence, Mercer, Somerset, Washington, and Westmoreland and the City of Pittsburgh to create an entity known as Pennsylvania Region 13.

Region 13 & MMRS (Metropolitan Medical Response System)

- **Purpose:**

Working for and making progress in preparing the medical community in the eventuality of a natural or man made disaster that would stress the medical system.

- **Goal:**

Improve communications between hospitals, EMS, and health departments.

- The MMRS Operations Committee is updating the policies and procedures for the Region 13 ESF 8, the health and medical position in the emergency operations center.

SBEOCS Mission Statement

Create a healthcare Common Operating Picture that supports daily use and addresses the full spectrum of potential threats, crises and emergencies (natural and man-made) that incorporate all aspects of healthcare disaster management, planning, response, recovery, and communications.

Problem Statement

Care in a Mass Casualty Situation is complex.

- **Healthcare communication** between EOC, healthcare network, families, medical staff, personnel and first responders, is decentralized and difficult.
- **Coordination of assets** (bed availability, pharmaceuticals, supplies, etc.) during mass casualty incidents is problematic.
- **Information for the general public** lacks accuracy and timeliness.
- **Education programs** for First Responder Training are not consolidated or centrally available.

Problem Response

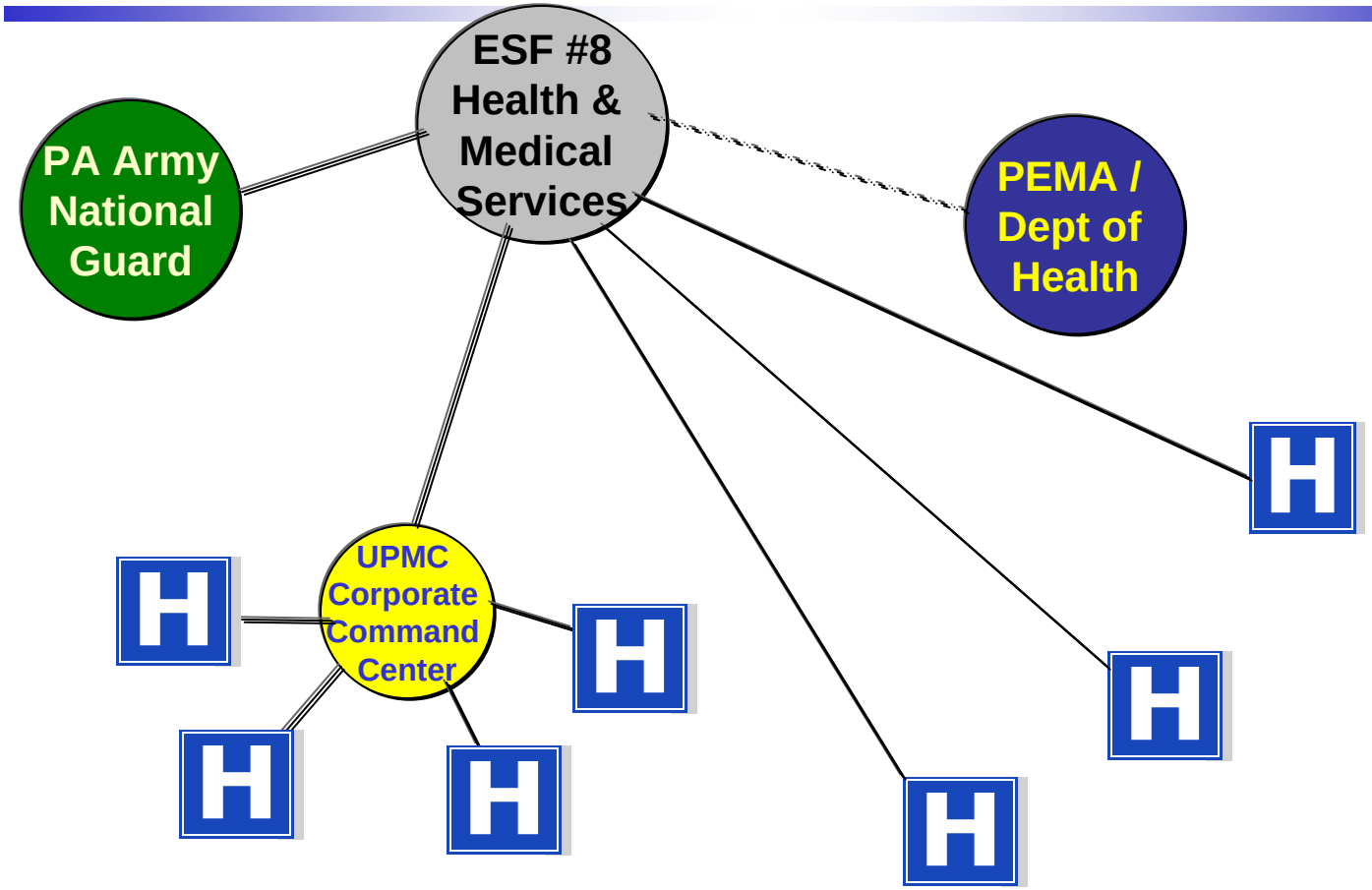
Creation of tools and systems to address each issue

- **Healthcare communication** – PrepLink(SM) was created to provide situational awareness, hospital incident management, patient tracking, document management, health care mass communications **AND** a direct tie to PA National Guard, Regional EOC & other entities.
- **Coordination of assets** - PrepLink(SM) also contains asset management tools such as: Emergency Vehicle Tracking (Helicopters) via GIS Environment, Healthcare Assets, Hospital and Bed Status
- **Information for the general public** – PrepLink(SM) contains a public portal to communicate disaster preparedness information and to disseminate information to the public during a disaster.
- **Education programs** – Creation of a Community Preparedness Schoolhouse, Conference & tools.

PrepLink(SM): Situational Awareness

- Incident Status
- Bed Status
- Patient Status
- Patient Tracking
- Staffing Resources
- Transportation Status
- Hospital Facility Status
- Location Detail
- Equipment
- Asset Inventory
- Pharmaceutical Inventory

Vision: Common Operating Picture



What is PrepLink(SM)?

- PrepLink(SM) is an Internet-based system that provides the tools to enable real-time, healthcare-related, emergency communication and situational awareness for:
  - Healthcare Facilities and Personnel
  - Emergency Operation Centers, ESF8
  - Emergency Services
  - Public Health Agencies
  - The General Public

www.preplink.org

Strategic Biodefense Emergency Operations and Communication System (SBEOCS)

PrepLink(SM)

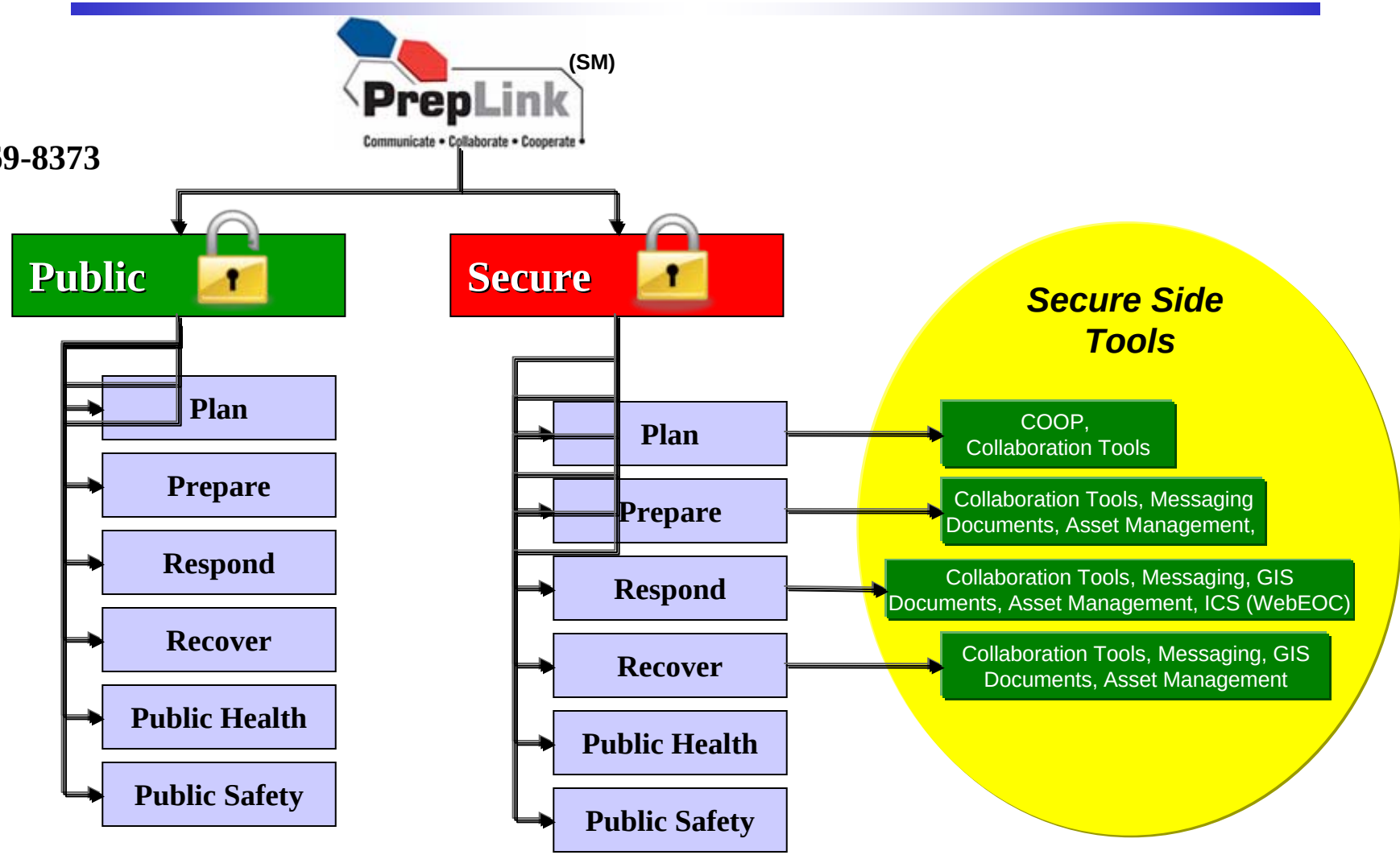
Components	
Awareness/ Command	• Provide command and control functionality • Manage and track healthcare resources, i.e., bed availability, staffing… • Enable operational mutual aid for ESF #8 health and medical services • Provide templates, checklists, and procedures for emergency use • Provide situational awareness (Common Operating Picture) for participating response entities
Mass Communications	• Manage contact information • Support response availability, notification and deployment • Provide data quality and integrity of contact information through daily use
Web Portal	• Provide educational information to the public for preparedness activities and emergency guidelines to the public during an incident • Web conferencing capabilities and content management solutions • Secure collaboration tools for expert development of on-the-fly guidelines and response actions • Complete knowledge of healthcare asset management capabilities

PrepLink(SM) System Requirements

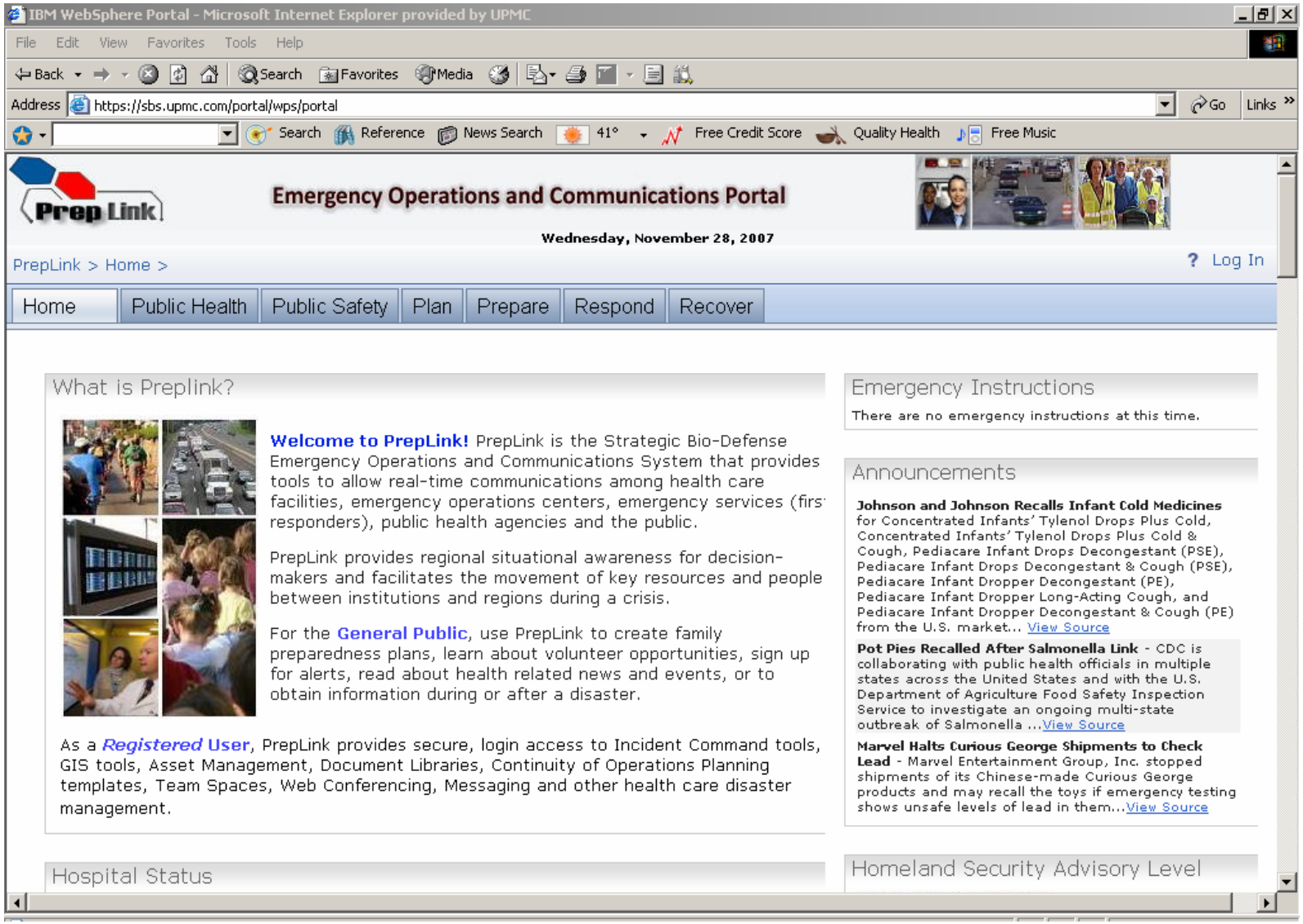
- Not become a replacement of systems but rather a HEALTHCARE information integration concept.
- Be easily implemented
- Promote interoperability
- Be scaleable and adaptable
- Accept a variety of interfaces and data feeds
- Support plug and play technology
- Be easily integrated to disparate incident command systems
- Support Continuity of Operations Planning (COOP)
- Support National Guard Common Operating Picture (COP)

Site Layout

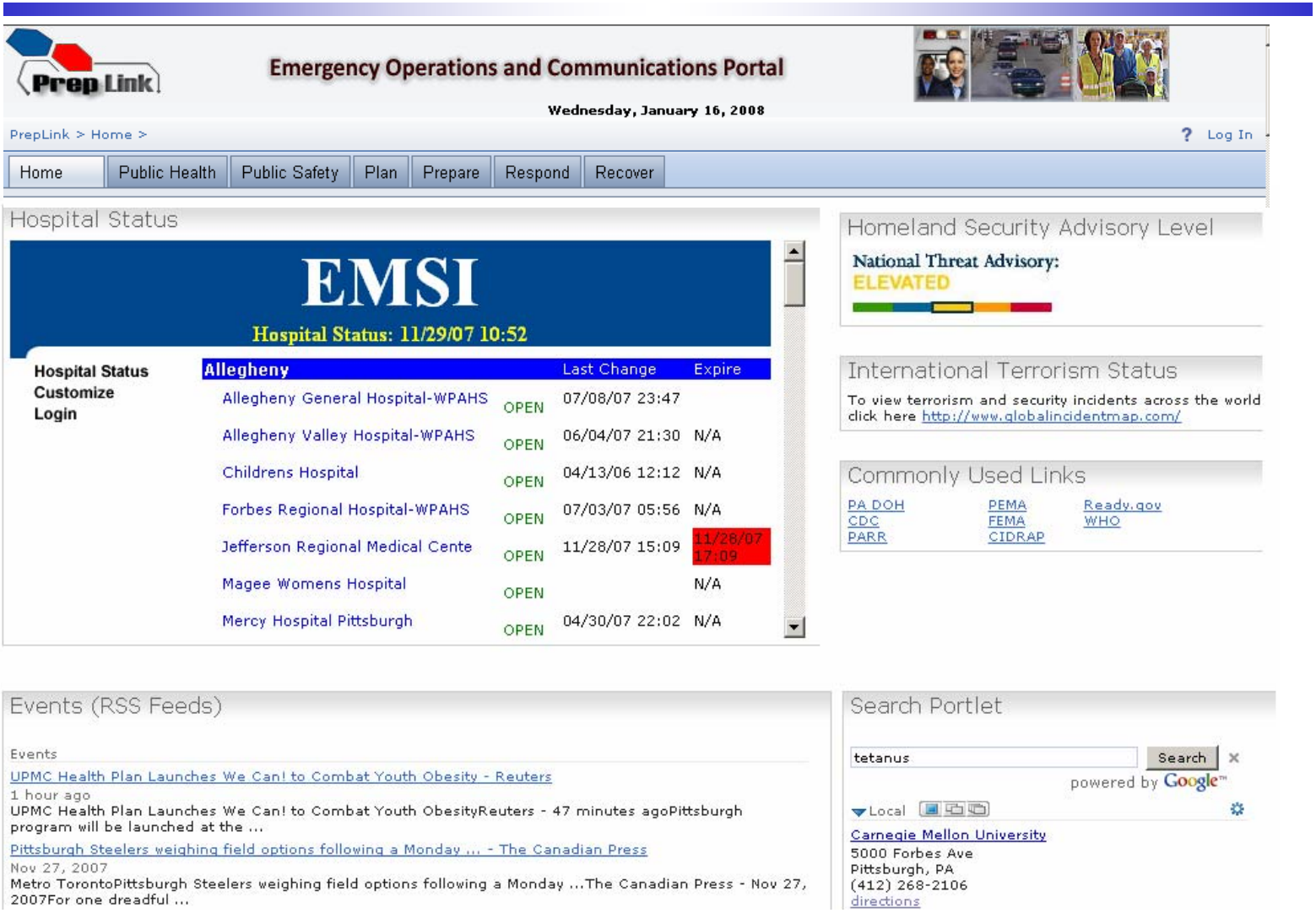
Support
1-866-869-8373



PrepLink(SM) Public Home



Public Site (Continued)



Why have a Public Site?

- ***LOCAL*** - Pulls together federal and state level information and simplifies it on a local level.
- ***MULTIMODAL*** – Site can provide video, text, sound. In addition public users can receive e-mails and SMS text messages.
- ***ALL INCLUSIVE*** - Good resource (one stop shop for disaster news)
- ***HEALTHCARE FOCUS*** - Real-time hospital status information for families, patients and the general public
- ***Physician Vetted Search*** – Search feature only draws from physician vetted internet sites

PrepLink(SM) Links To These and Other Sites:

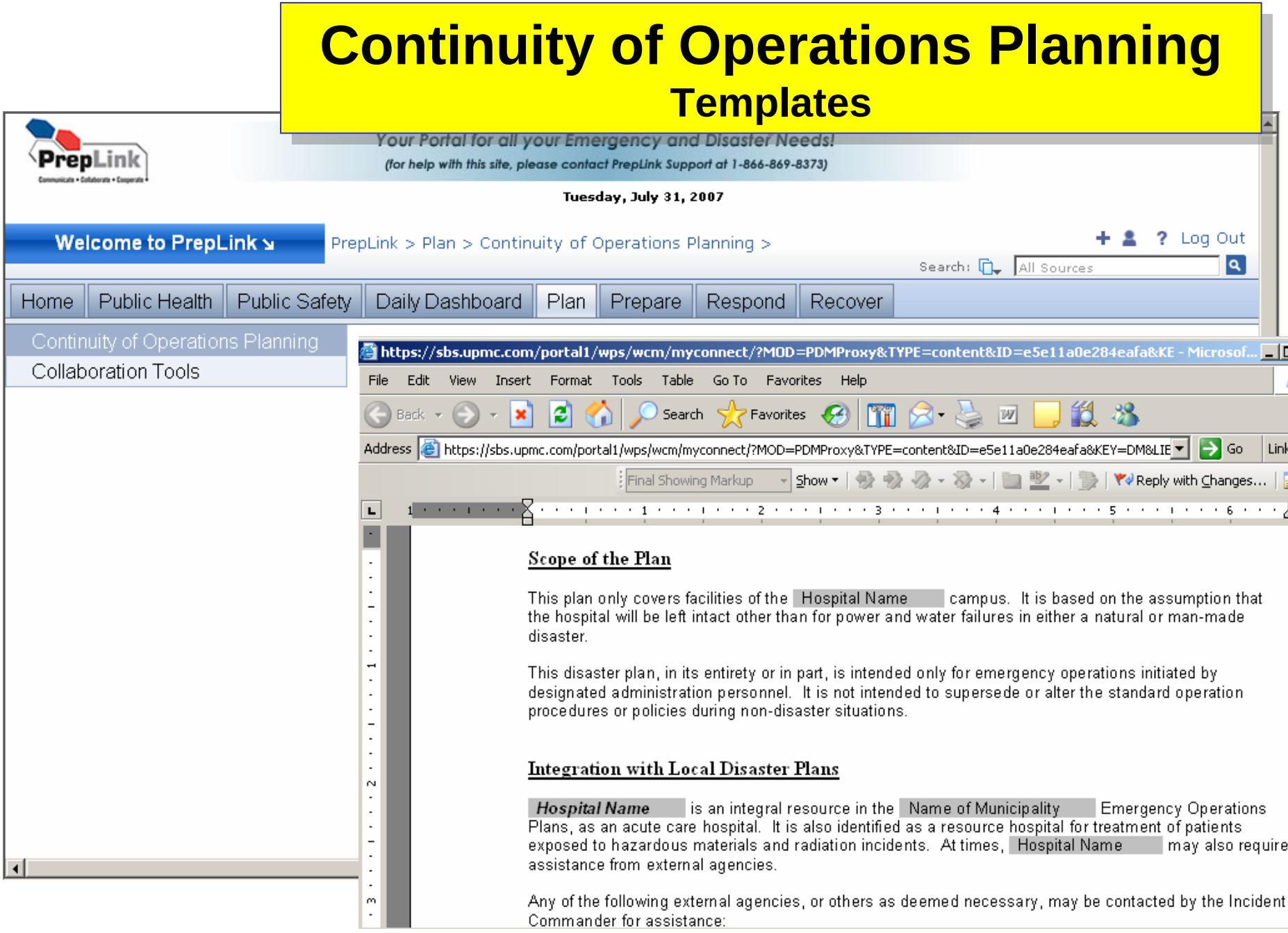
- PA DOH *(http://www.dsf.health.state.pa.us)*
- Dept. of Homeland Security *(www.dhs.gov)*
- Global Incident Map.com *(www.globalincidentmap.com)*
- Center for Disease Control *(www.cdc.gov)*
- Pittsburgh Regional Business Coalition *(www.pittsburghcoalitionforsecurity.org)*
  - PARR – Private Assets for Region Responders
  - BECON – Business Emergency Communication Network
- PEMA *(http://www.pema.state.pa.us/)*
- FEMA *(www.fema.gov)*
- Center for Infectious Disease Research and Policy (CIDRAP) *(www.pandemicpractices.org)*
- Ready *(www.ready.gov)*
- World Health Organization (WHO) *(www.who.int)*

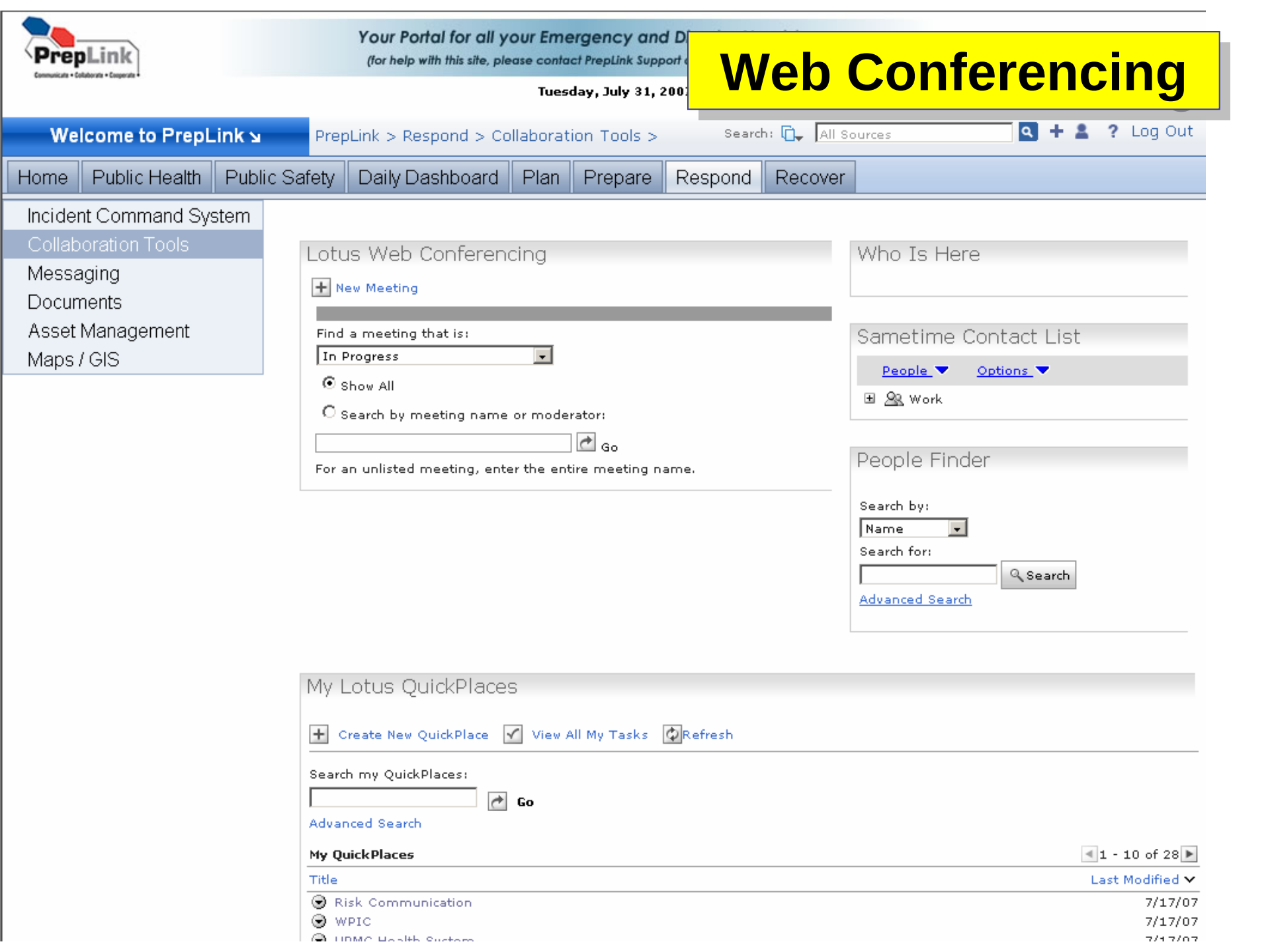
PrepLink(SM) Secure Site

Secure Site Tools

- Continuity of Operations Planning
- Collaboration Tools
  - Web Meetings
  - Team Spaces
- Messaging
- Document Management
- Asset Management
- Incident Command (WebEOC)
- GIS

Continuity of Operations Planning
Templates




PrepLink
Your Portal for all your Emergency and D
(for help with this site, please contact PrepLink Support
Tuesday, July 31, 200
Web Conferencing
Welcome to PrepLink
PrepLink > Respond > Collaboration Tools >
Search:
All Sources
Log Out
Home
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Public Safety
Daily Dashboard
Plan
Prepare
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Recover
Incident Command System
Collaboration Tools
Messaging
Documents
Asset Management
Maps / GIS
Lotus Web Conferencing
New Meeting
Find a meeting that is:
In Progress
Show All
Search by meeting name or moderator:
Go
For an unlisted meeting, enter the entire meeting name.
Who Is Here
Sametime Contact List
People
Options
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Search by:
Name
Search for:
Search
Advanced Search
My Lotus QuickPlaces
Create New QuickPlace
View All My Tasks
Refresh
Search my QuickPlaces:
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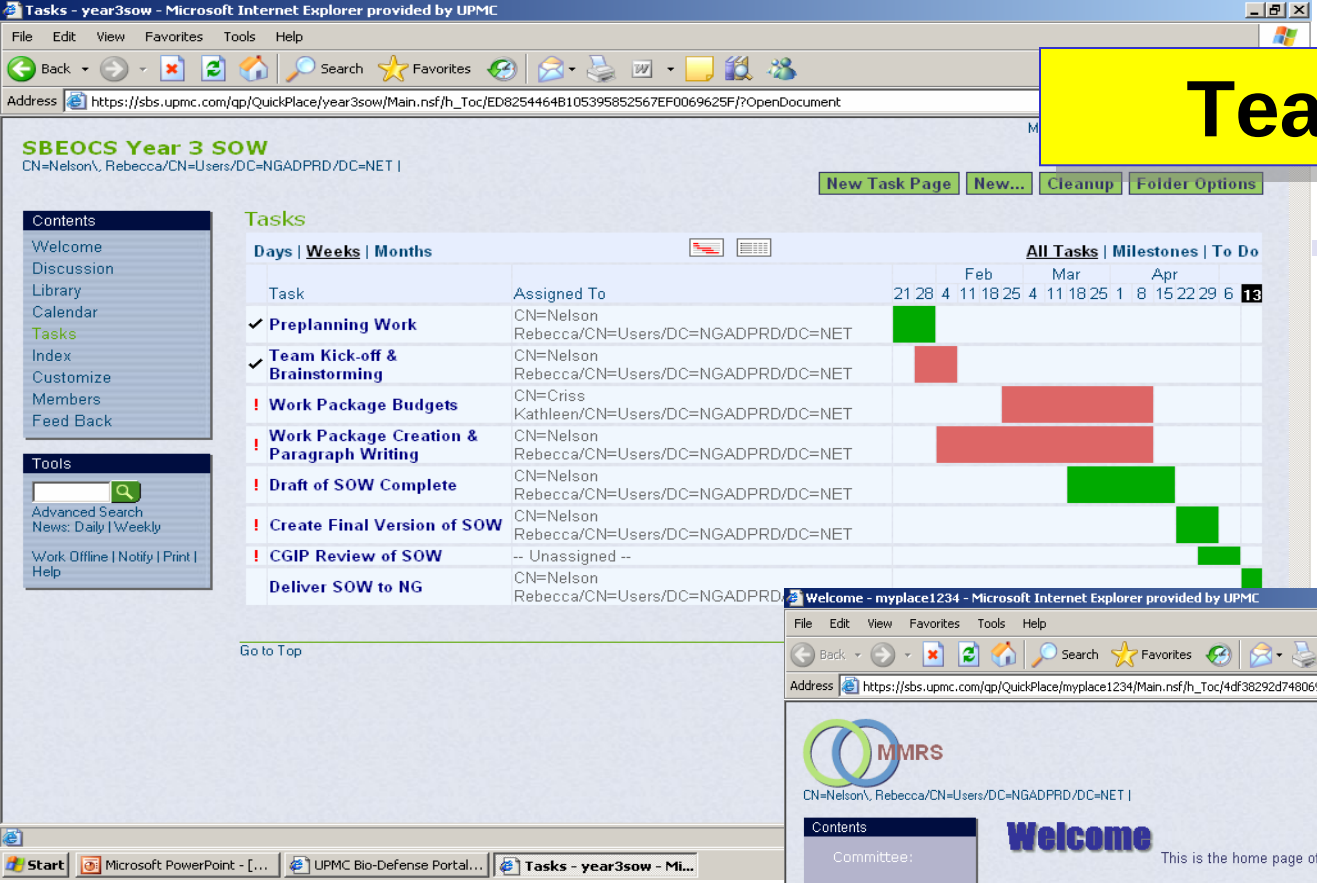
My QuickPlaces
1 - 10 of 28
Title
Last Modified
Risk Communication
7/17/07
WPIC
7/17/07

Team Spaces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Discussion
Library
Calendar
Tasks
Index
Customize
Members
Feed Back
Tools
Advanced Search
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Work Offline | Notify | Print | Help
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All Tasks | Milestones | To Do
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Apr
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Preplanning Work
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Team Kick-off & Brainstorming
CN=Nelson Rebecca/CN=Users/DC=NGADPRD/DC=NET
Work Package Budgets
CN=Criss Kathleen/CN=Users/DC=NGADPRD/DC=NET
Work Package Creation & Paragraph Writing
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Draft of SOW Complete
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Create Final Version of SOW
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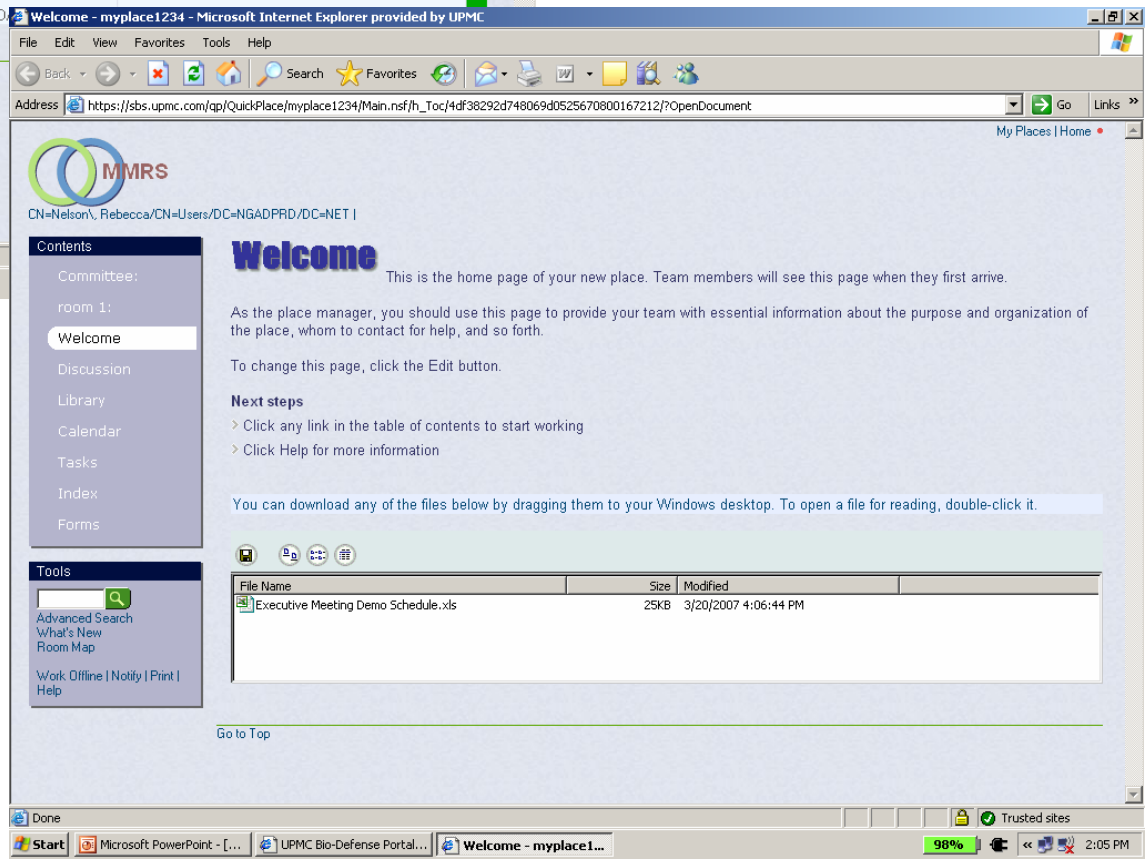
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Address https://sbs.upmc.com/qp/QuickPlace/myplace1234/Main.nsf/h_Toc/4df38292d748069d0525670800167212/?OpenDocument
My Places | Home
MMRS
CN=Nelson\, Rebecca/CN=Users/DC=NGADPRD/DC=NET |
Contents
Committee:
room 1:
Welcome
Discussion
Library
Calendar
Tasks
Index
Forms
Tools
Advanced Search
What's New
Room Map
Work Offline | Notify | Print | Help
Welcome
This is the home page of your new place. Team members will see this page when they first arrive.
As the place manager, you should use this page to provide your team with essential information about the purpose and organization of the place, whom to contact for help, and so forth.
To change this page, click the Edit button.
Next steps
Click any link in the table of contents to start working
Click Help for more information
You can download any of the files below by dragging them to your Windows desktop. To open a file for reading, double-click it.
File Name
Size
Modified
Executive Meeting Demo Schedule.xls
25KB
3/20/2007 4:06:44 PM
Go to Top
Done
Trusted sites
Start
Microsoft PowerPoint - [...
UPMC Bio-Defense Portal...
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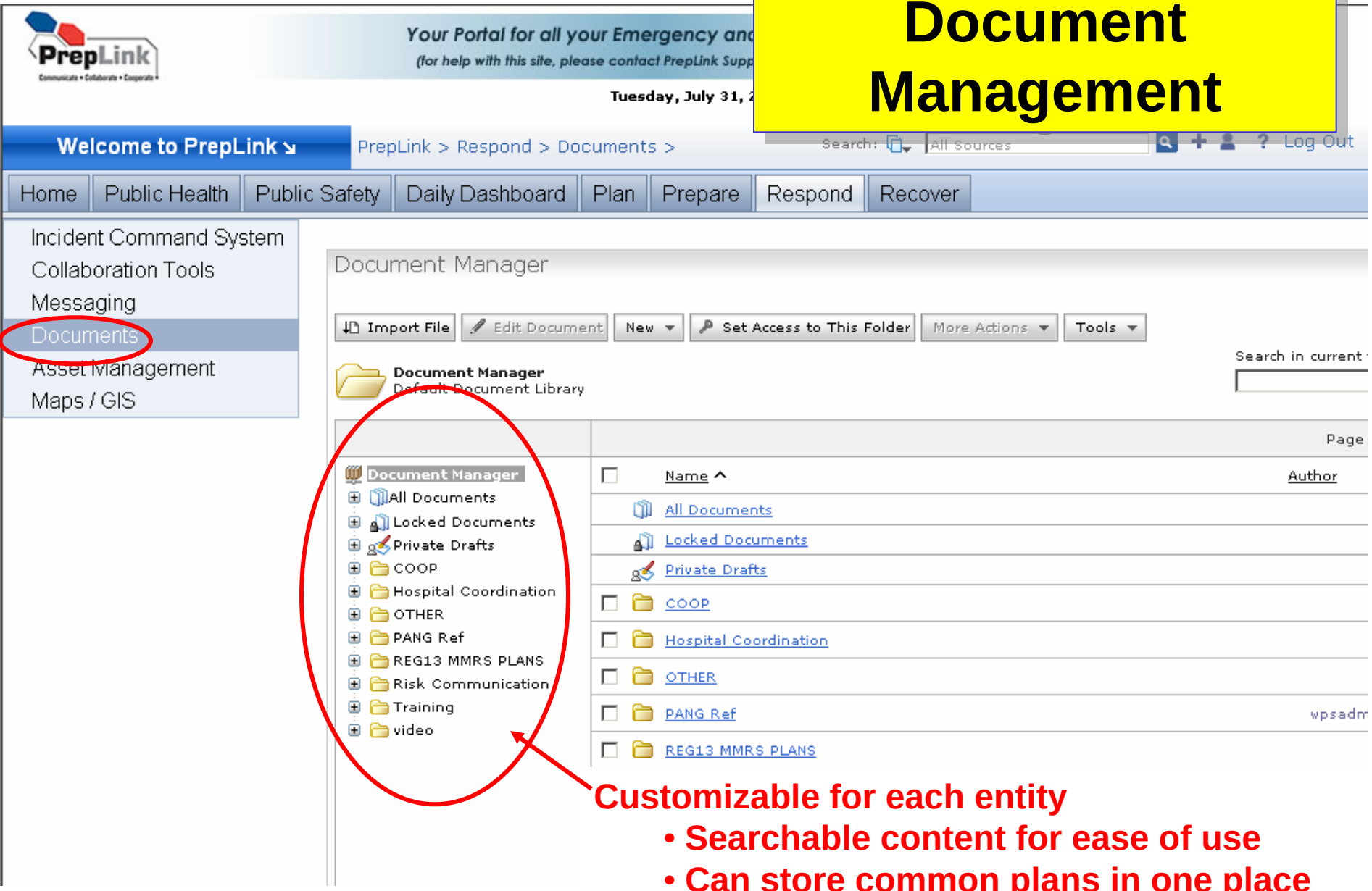
Document Management

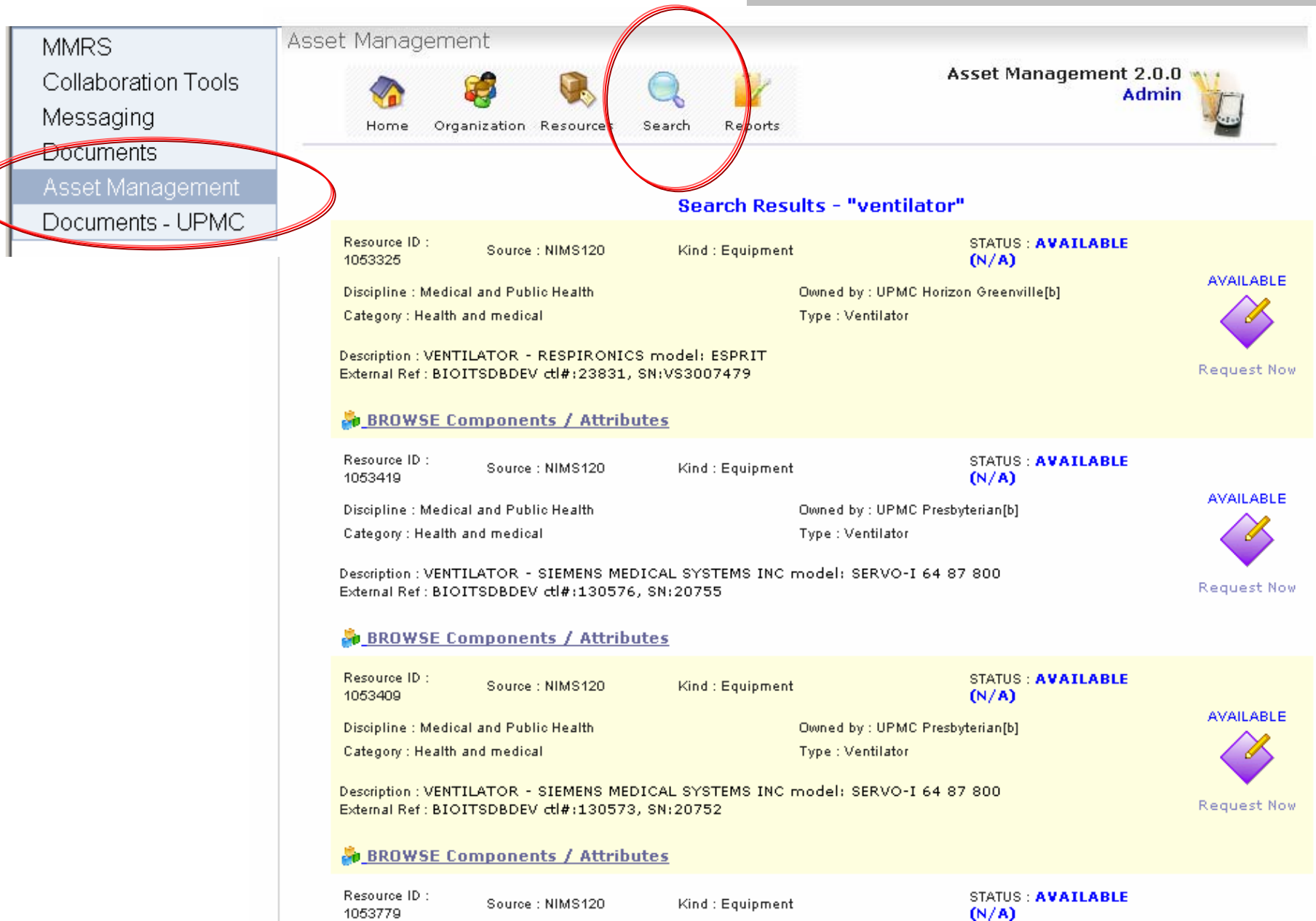


Customizable for each entity

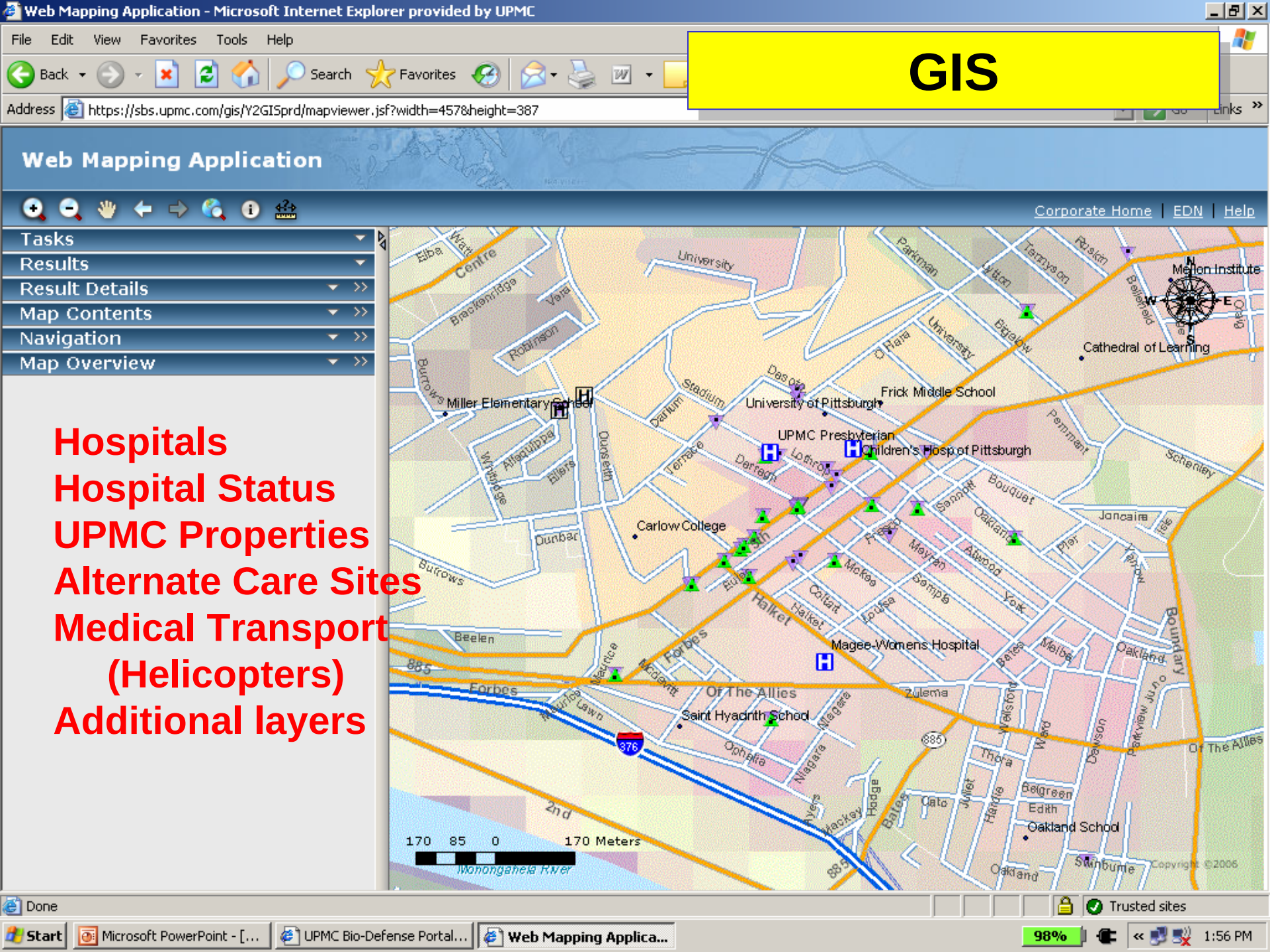
- **Searchable content for ease of use**
- **Can store common plans in one place**

Note: Sample Documents in folder

Asset Management



GIS


Web Mapping Application - Microsoft Internet Explorer provided by UPMC
File Edit View Favorites Tools Help
Back Search Favorites
Address https://sbs.upmc.com/gis/Y2GISprd/mapviewer.jsf?width=457&height=387
Web Mapping Application
Corporate Home | EDN | Help
Tasks
Results
Result Details
Map Contents
Navigation
Map Overview
Hospitals
Hospital Status
UPMC Properties
Alternate Care Sites
Medical Transport
(Helicopters)
Additional layers
Miller Elementary School
University of Pittsburgh
Frick Middle School
UPMC Presbyterian
Children's Hosp of Pittsburgh
Cathedral of Learning
Mellon Institute
Carlow College
Magee-Womens Hospital
Saint Hyacinth School
Oakland School
Forbes
Halket
Of The Allies
Bouquet
Oakland
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Trusted sites
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Microsoft PowerPoint - [...
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PrepLink(SM)'s HealthComm Component (Healthcare Disaster Communication)

•During a disaster, ability to make contact with the RIGHT Healthcare Workers the FIRST time is directly related to the accuracy of the data that is available BEFORE the disaster starts.

•SBEOCS has implemented a successful operational model for widespread data accuracy and effective 'first pass' mass communications/recruitment.

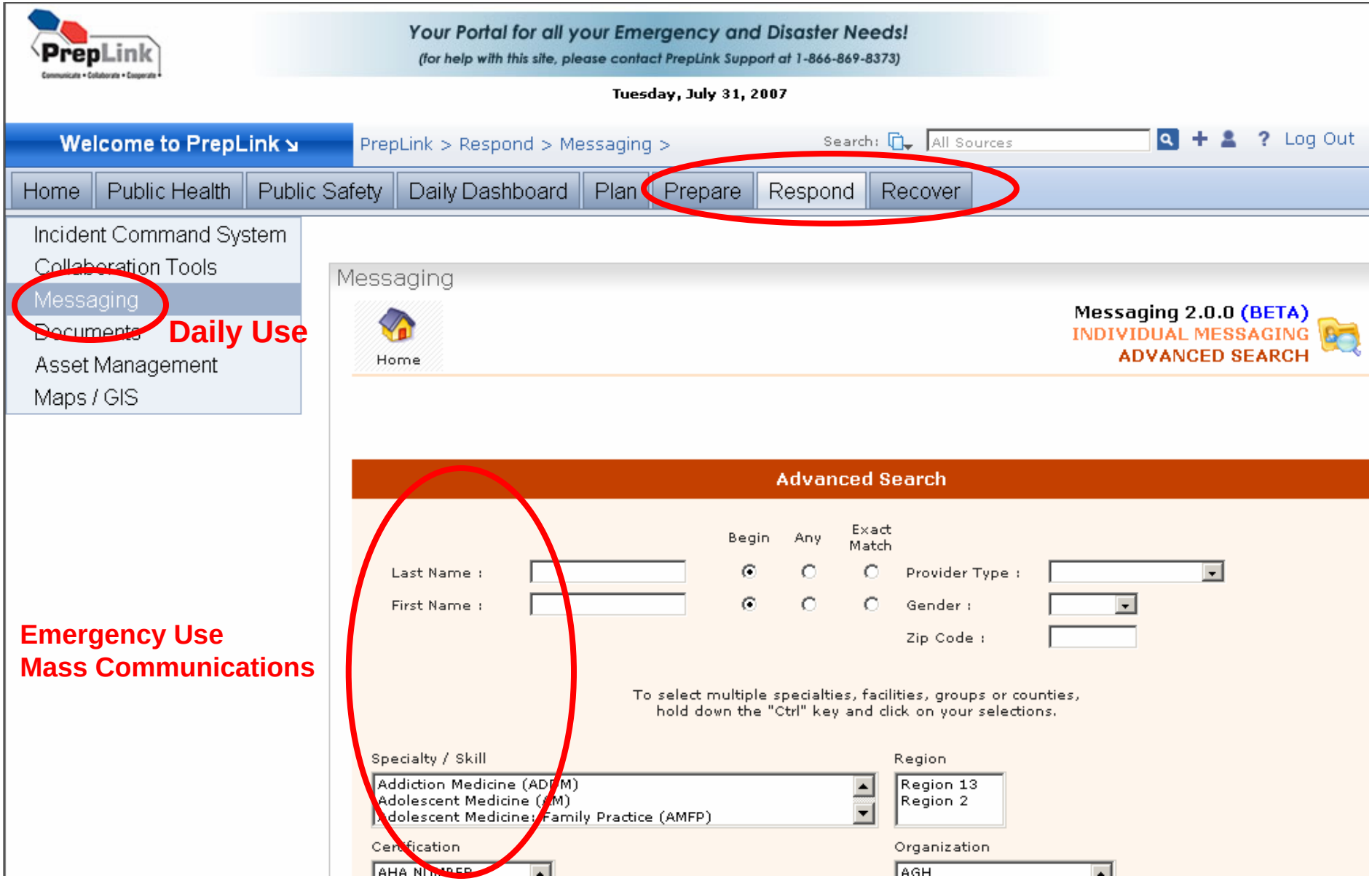
•There are multiple technology components that have been created to support these operations that bring flexibility and unlimited list/group capability.

Components That Increase Communication Efficiency

- Accurate Contact information
- Correct Contact attributes
- On call schedules
- Contact preferences
- Availability
- Relationship Database
- Daily Use

Anyone can have a list!

Messaging

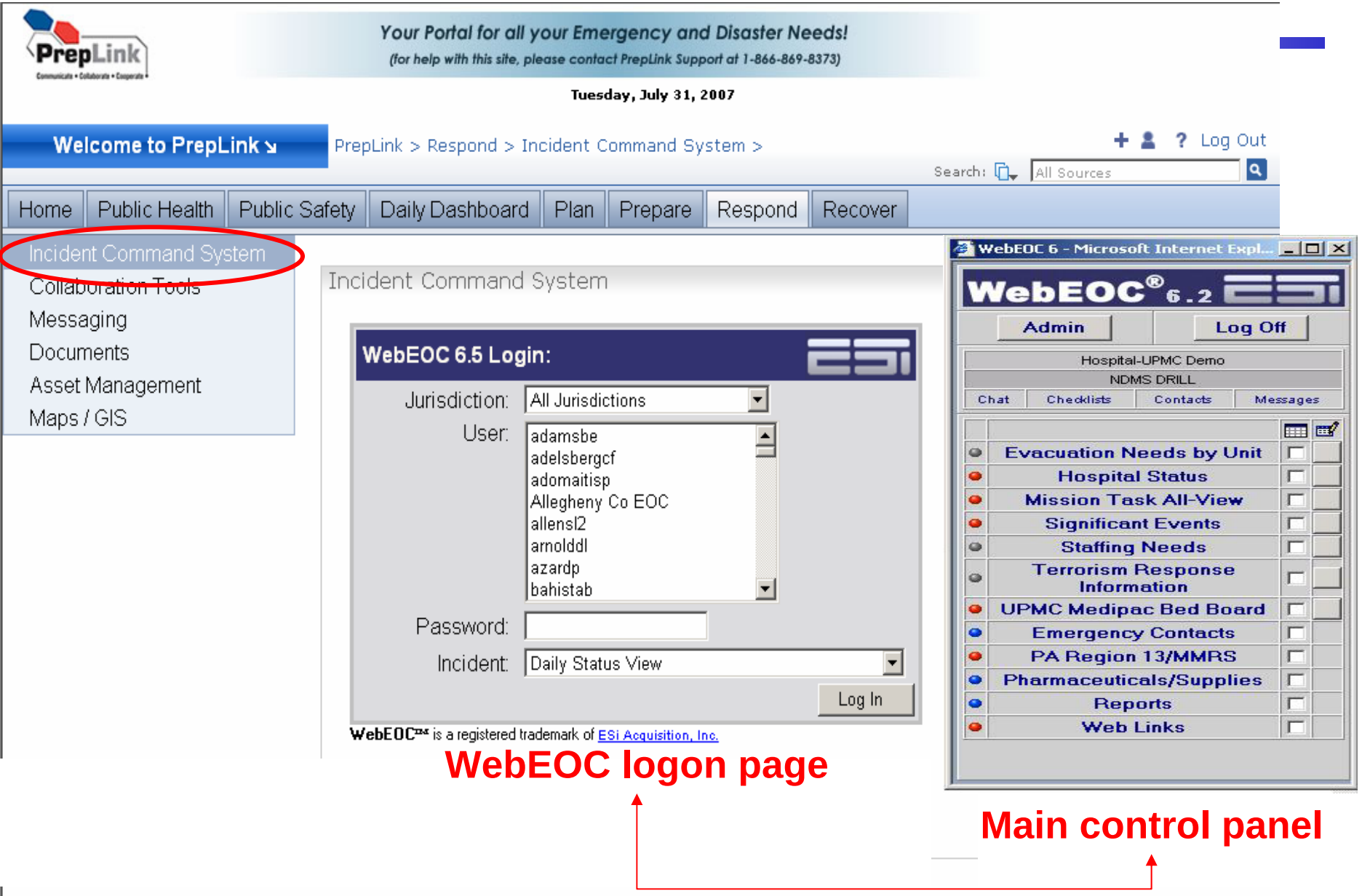

PrepLink
Your Portal for all your Emergency and Disaster Needs!
(for help with this site, please contact PrepLink Support at 1-866-869-8373)
Tuesday, July 31, 2007
Welcome to PrepLink
PrepLink > Respond > Messaging >
Search:
All Sources
Log Out
Home
Public Health
Public Safety
Daily Dashboard
Plan
Prepare
Respond
Recover
Incident Command System
Collaboration Tools
Messaging
Documents
Asset Management
Maps / GIS
Daily Use
Emergency Use
Mass Communications
Messaging
Home
Messaging 2.0.0 (BETA)
INDIVIDUAL MESSAGING
ADVANCED SEARCH
Advanced Search
Begin
Any
Exact Match
Last Name :
First Name :
Provider Type :
Gender :
Zip Code :
To select multiple specialties, facilities, groups or counties, hold down the "Ctrl" key and click on your selections.
Specialty / Skill
Addiction Medicine (ADDM)
Adolescent Medicine (AM)
Adolescent Medicine: Family Practice (AMFP)
Region
Region 13
Region 2
Certification
Organization

Incident Command within PrepLink(SM)

- Focus is on healthcare incident command
- Boards designed specifically for health care response
  - Bed Availability
  - Hospital Status
  - Etc.
- Permits communication between EOC/ESF8, Health Systems, Hospitals, etc.
- End result will share pertinent public safety data to healthcare facilities for timely and effective response

Incident command system

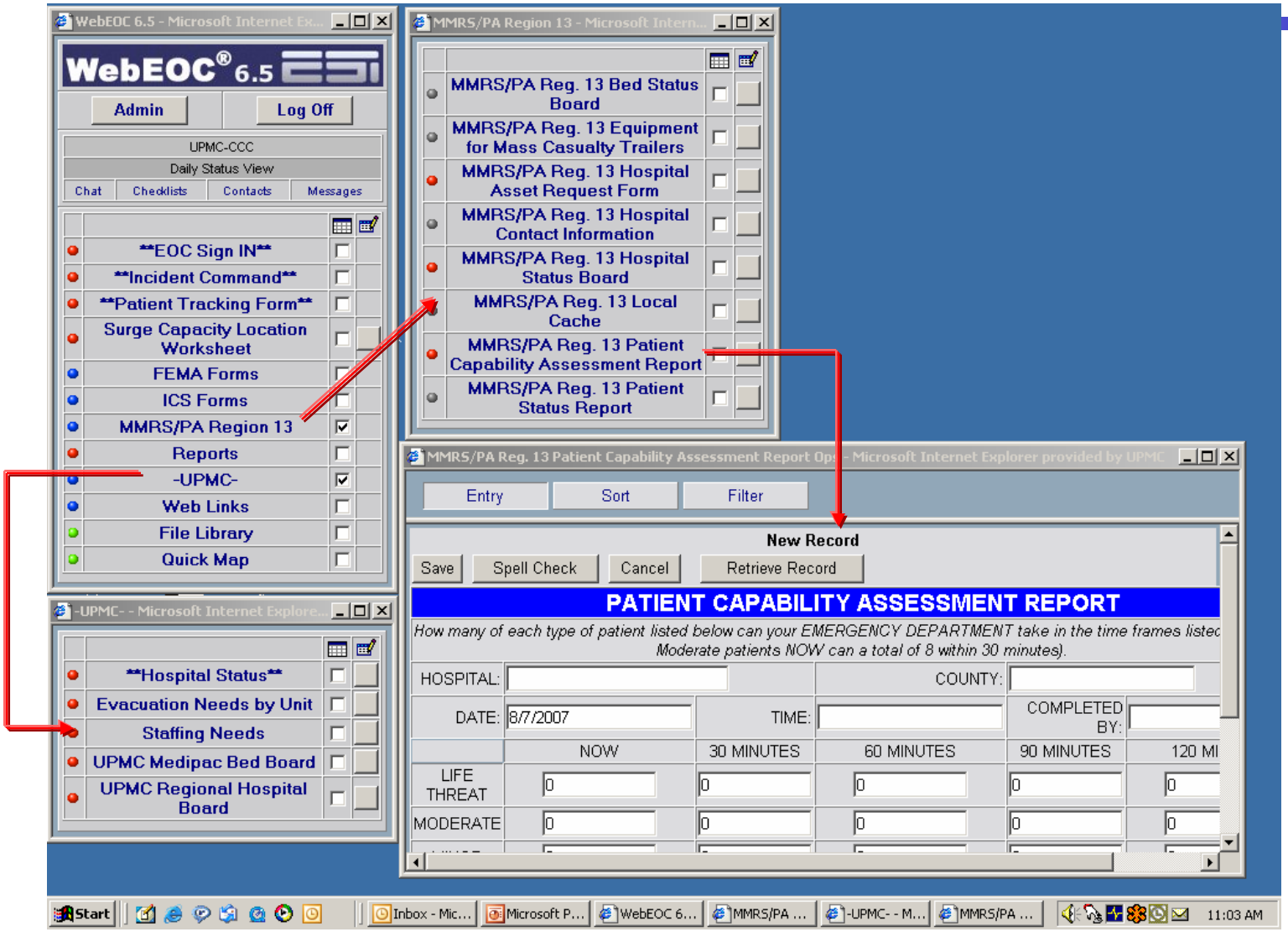
Incident Command



WebEOC logon page

Main control panel

WebEOC for Healthcare



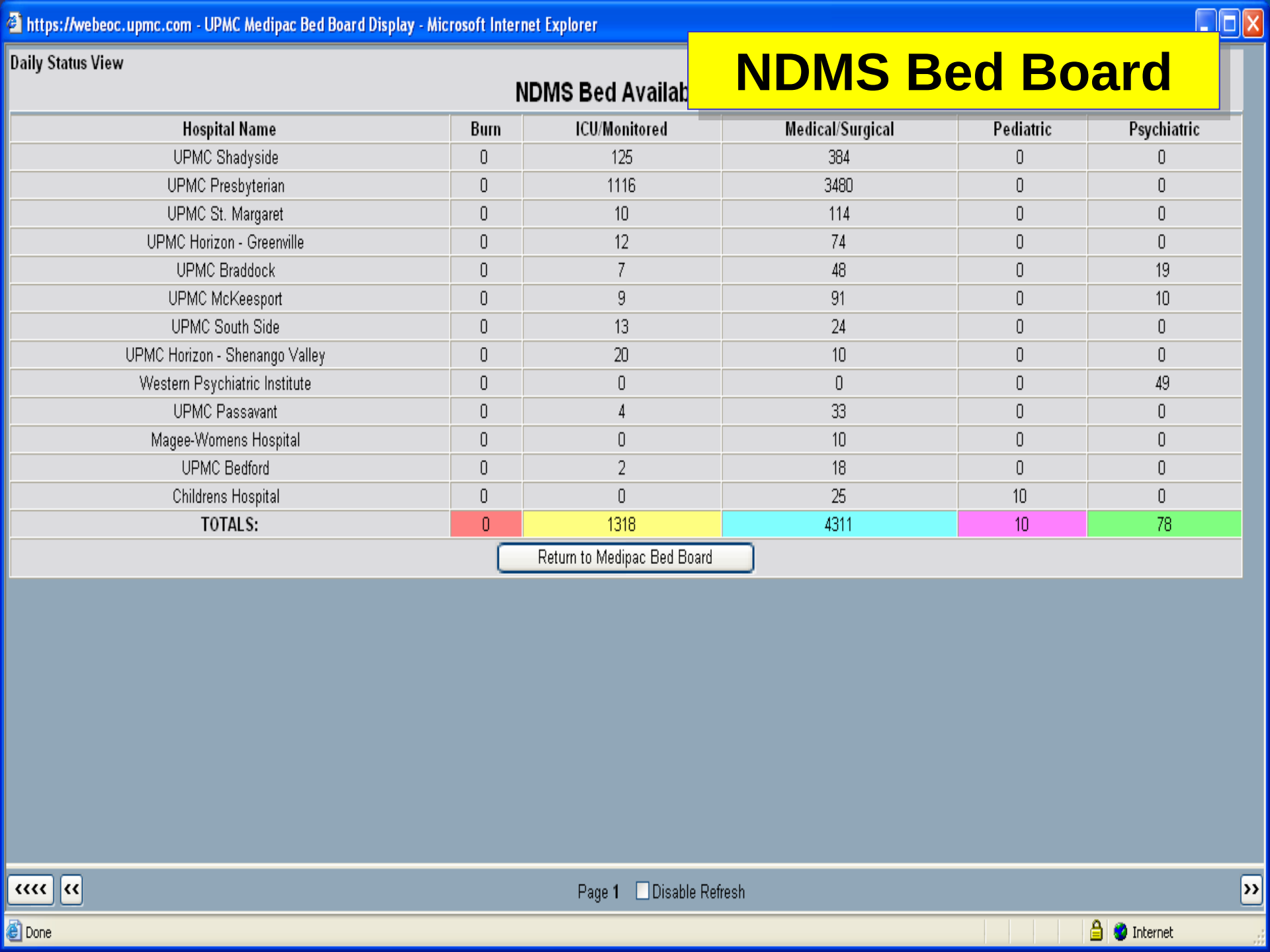
UPMC Medipac B

Bed Board

NDMS Bed Availability

C = Capacity O = Occupancy A = Available (A = C - O)

Hospital Name	Adult ICU			Adult Long Term Care			Adult Med-Surg			Adult Monitored			Burn			Monitored Cardiac			Monitored Telemetry			Nursery			Nursery Level II			OB			Peds ICU			Peds Med-Surg			Psych			Rehab			StepDown		
	C	O	A	C	O	A	C	O	A	C	O	A	C	O	A	C	O	A	C	O	A	C	O	A	C	O	A	C	O	A	C	O	A	C	O	A	C	O	A	C	O	A	C	O	A
UPMC Shadyside	62	4	58	0	0	0	401	17	384	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101	34	67
UPMC Presbyterian	690	18	672	192	0	192	3666	306	3360	552	30	522	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	120	0	120	456	12	444
UPMC St. Margaret	23	13	10	0	0	0	227	120	107	33	28	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	9	7	0	0	0
UPMC Horizon - Greenville	10	4	6	0	0	0	123	55	68	0	0	0	0	0	0	0	0	0	0	0	0	18	1	17	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	12	6	6	25	19	6
UPMC Braddock	9	6	3	30	21	9	94	46	48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	62	43	19	0	0	0	14	10	4
UPMC McKeesport	23	17	6	49	27	22	168	86	82	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	28	10	16	7	9	24	21	3
UPMC South Side	13	6	7	0	0	0	46	29	17	0	0	0	0	0	0	40	34	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60	53	7	0	0	0
UPMC Horizon - Shenango Valley	8	1	7	11	10	1	36	28	8	0	0	0	0	0	0	0	0	0	0	0	0	11	1	10	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	17	4	13
Western Psychiatric Institute	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	289	240	49	0	0	0	0	0	0
UPMC Passavant	24	22	2	0	0	0	199	163	19	0	0	0	0	0	0	30	28	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	10	14	0	0	0
Magee-Womens Hospital	6	6	0	20	16	4	79	69	10	42	42	0	0	0	0	0	0	0	0	0	0	80	71	9	66	63	3	74	74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UPMC Bedford	4	2	2	0	0	0	40	25	15	0	0	0	0	0	0	0	0	0	0	0	0	6	3	3	0	0	0	7	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Childrens Hospital	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	59	49	10	200	175	25	0	0	0	0	0	0	0	0	0
TOTALS	872	99	773	302	74	228	5079	944	4118	627	100	527	0	0	0	70	62	8	0	0	0	115	76	39	66	63	3	84	79	5	59	49	10	200	175	25	389	311	78	248	85	163	637	100	537



https://webeoc.upmc.com - UPMC Medipac Bed Board Display - Microsoft Internet Explorer

NDMS Bed Board

Daily Status View

NDMS Bed Availab

Hospital Name	Burn	ICU/Monitored	Medical/Surgical	Pediatric	Psychiatric
UPMC Shadyside	0	125	384	0	0
UPMC Presbyterian	0	1116	3480	0	0
UPMC St. Margaret	0	10	114	0	0
UPMC Horizon - Greenville	0	12	74	0	0
UPMC Braddock	0	7	48	0	19
UPMC McKeesport	0	9	91	0	10
UPMC South Side	0	13	24	0	0
UPMC Horizon - Shenango Valley	0	20	10	0	0
Western Psychiatric Institute	0	0	0	0	49
UPMC Passavant	0	4	33	0	0
Magee-Womens Hospital	0	0	10	0	0
UPMC Bedford	0	2	18	0	0
Childrens Hospital	0	0	25	10	0
TOTALS:	0	1318	4311	10	78

Return to Medipac Bed Board

Page 1 Disable Refresh

Done Internet

UPMC Significant Events Display - Microsoft Internet Explorer provided by UPMC

2007 Pan Surge Drill

UPMC Significant Ev

Significant Events

1090	What CISM services will be availab[illegible] coordinated by corporate or by individual hospitals?
horizong	
05/18/2007	WPIC response: CISM and Behavioral Health services will surge after the Pandemic begins to resolve. WPIC CISM will coordinate services with individual hospitals and state and local CISM resources
08:37:49	
Alert	Horizon response: Horizon has "CISM Northwest" as the local provider. Possible assistance would be needed to include UPMC Northwest as a recipient of these services.
Southside	
1087	CCC- Staff members are questioning whether or not they are eligible for workmen's compensation for illness and other long term effects due to H5N1 infection? Has this been discussed?
horizong	
05/18/2007	Horizon Response: Our understanding is that during bioterrorism response planning, Corporate HR had developed a plan to manage this issue. Does one not exist?
08:32:26	
Bulletin	
Presby	
1107	CISM and Behavioral Health services will surge after the Pandemic begins to resolve. WPIC CISM will coordinate services with individual hospitals and state and local CISM resources
fonters	
05/18/2007	
10:13:04	
Alert	
WPIC	
1104	ESF8 Task: 1.) Public Health Emergency Recovery Plan needed for urban areas regarding rationalization of services and priority care and appropriate funding mechanisms

<<<< << Page 1 Disable Refresh >>

S DRILL

Mission Task All-

Mission Task Board

ginator te/Time	Subject/Title	Mission/Reply				tatus
lh	Review NDMS MOU on PrepLink Secure Portal	Assure hospital operations are in accord with NDMS MOU re: patient acceptance and reimbursement. Go to PrepLink secure, then documents, then healthcare, then plans, then mou, see and open last item - UPMC-NDMS-MOU	UPMC Health System Hospitals	Immediate	11/04/2006 11:29:00	Assigned
4/2006 9:00		PUH Completed- are we to do something other than open the document ? Note: Will not print SSH reviewed. SMH does not have authorization to access.	11/04/2006 16:29:00			
lh	Communication with ESF8	CCC talked with Chuck Roger at ESF8 desk. Telephone is 412-473-3498. Chuck R is on WebEOC now and monitoring drill. suggest all hospitals send a question about status of NDMS drill to Chuck R.	UPMC Health System Hospitals	Immediate	11/04/2006 11:23:00	Assigned
4/2006 3:00		South Side received and question sent in Chat. SMH received and sent email to ESF 8 and rodgercf	11/04/2006 16:23:00		11:33	
lh	Request-Hospital Status -Complete Please.	Task for all. Please now enter and complete your hospital status Board.	UPMC Health System Hospitals	Priority	11/04/2006 10:26:00	Assigned
4/2006 6:00		Bed Board status complete- SSH Bed Board stauts complet PUH SMH unable to update bedboard- 33 med/surg beds available, 3 rehab beds, no critical care Note: PUH Went back in - incorrect automatic Medipac update has obliterated manually updated correct information	11/04/2006 15:26:00			
lh	STAFFING	All hospital please inform the Incident Command Center re your present staffng. ? Adequate or need additional staff- if so what type?	_SELECT		11/04/2006 10:46:00	Assigned
4/2006 6:00		No staffing needs at this time for UPMC SSH No staffing needs at PUH No staffing needs at SMH	11/04/2006 15:46:00			
hside	NIMS Patients Admissions Status	Needs (1) ICU, 4 Cardiac Monitoring.	UPMC South Side	Priority	11/04/2006 10:38:00	Complete
4/2006 3:00		Can be accomodated in the OR	11/04/2006 15:38:00			

PA Region 13/MMRS Hospital Patient Tracking Form Display - Microsoft Internet Explorer provided by UPMC

NDMS DRILL

Patient Tracking

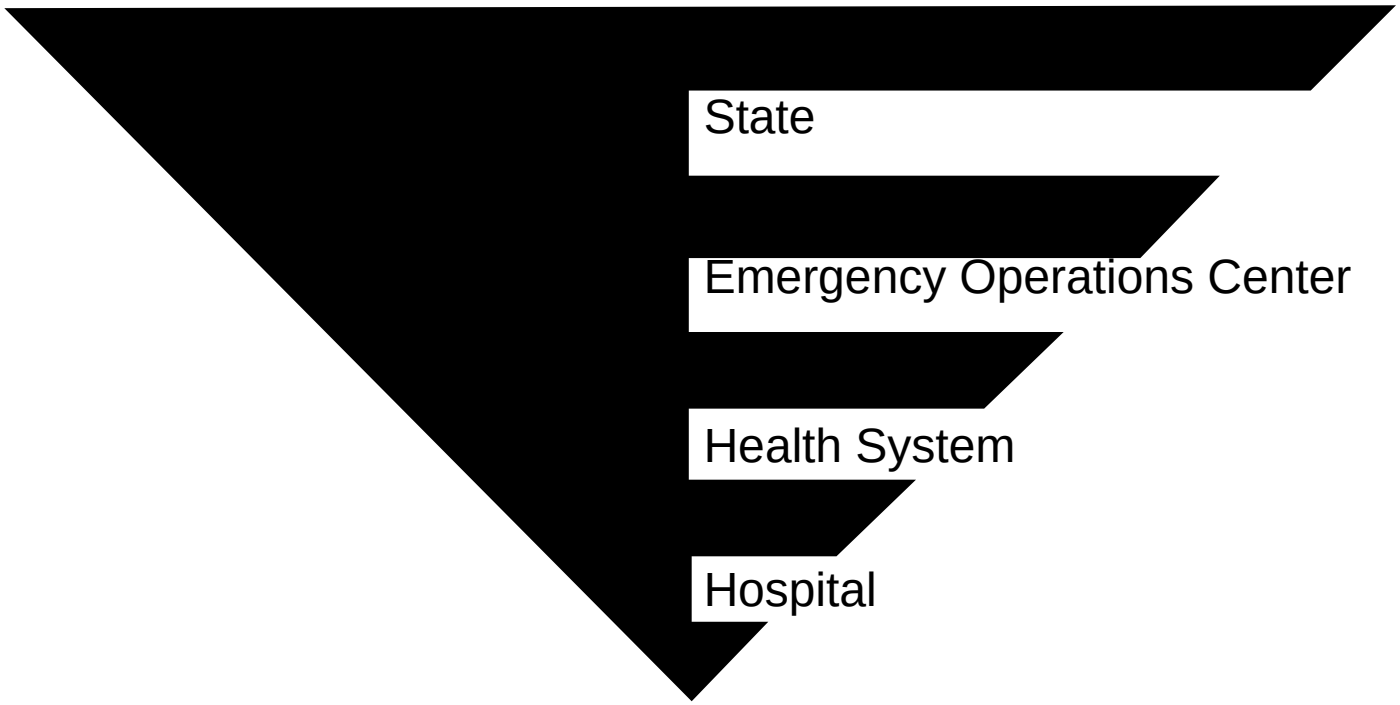
PA Region 13/MMRS Hospital P

Hospital Name	Date/Time	Triage #	Patient Last Name	Patient First Name	Gender	Status/Triage Condition
UPMC Presbyterian	11/04/2006 11:26:00		Bowman	James	M	R
UPMC Passavant	11/04/2006 10:23:00	N0001360	Bowman	James	F	R
UPMC Presbyterian	11/04/2006 11:22:00		Sustern	David	M	R
UPMC Presbyterian	11/04/2006 11:21:00		Muelhman	Jeff	M	R
UPMC Presbyterian	11/04/2006 11:20:00		Kimmel	Lou	M	R
Allegheny General	11/04/2006 11:34:00				F	
UPMC Presbyterian	11/04/2006 11:19:00		Doe	John	M	R
UPMC Presbyterian	11/04/2006 11:33:00		Anderson	Meg	F	R
UPMC Passavant	11/04/2006 10:13:00	N0001359	Tunni	Elizabeth	F	Y
UPMC Passavant-Cranberry	11/04/2006 11:31:00	452507	Baines	Stephen	M	R
UPMC Passavant-Cranberry	11/04/2006 11:29:00	452507	Anderson	Meg	F	R
UPMC Presbyterian	11/04/2006 11:29:00		Hart	Mary	F	R
UPMC Presbyterian	11/04/2006 11:20:00	452507	Bayo	Jennfier	F	R
UPMC Presbyterian	11/04/2006 11:28:00		Baines	Stephen	M	G
UPMC Passavant-Cranberry	11/04/2006 11:27:00	452507	Sustern	David	F	R
UPMC Presbyterian	11/04/2006 11:25:00	452507	Tunni	Elizabeth	F	Y
UPMC Passavant	11/04/2006 10:28:00	N0001361	Carvill	James	M	Y
UPMC Presbyterian	11/04/2006 11:22:00	452507	Carvill	James	M	R
UPMC Presbyterian	11/04/2006 11:27:00		Weathers	April	F	R
UPMC Passavant-Cranberry	11/04/2006 11:26:00	452507	Hart	Mary	F	Y
UPMC Passavant-Cranberry	11/04/2006 11:24:00	452507	Kimmel	Lou	M	Y
UPMC Presbyterian	11/04/2006 11:23:00		Wilson	Eric	M	G
UPMC Presbyterian	11/04/2006 11:23:00	452507	Verdetti	Ann	F	G
UPMC Southside	11/04/2006 11:08:00		Bayo	Jennifer	F	R
UPMC Southside	11/04/2006 11:09:00		Williams	Brian	M	Y

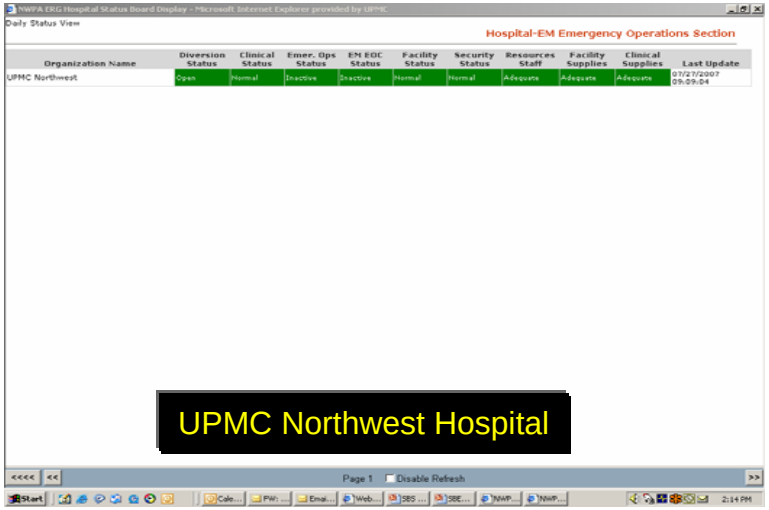
TO VIEW FULL TRACKING FOR FOR EACH PATIENT DOUBLE-CLICK ON PATIENT'S NAME

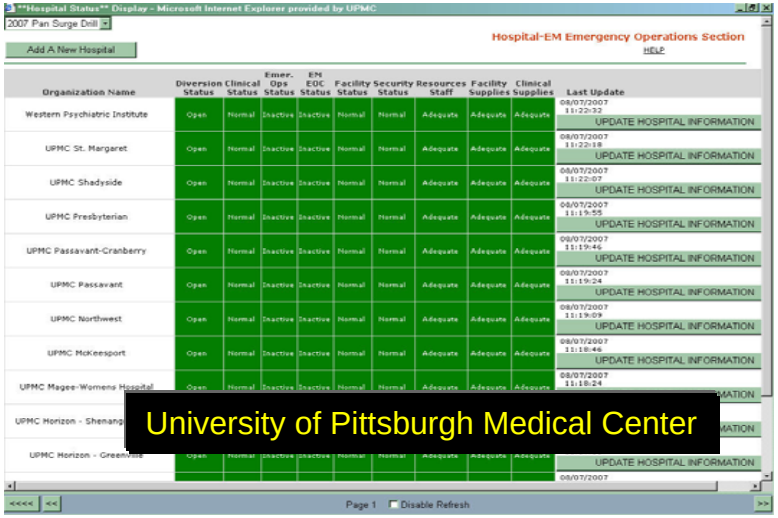
PrepLink(SM) Role-Based Security

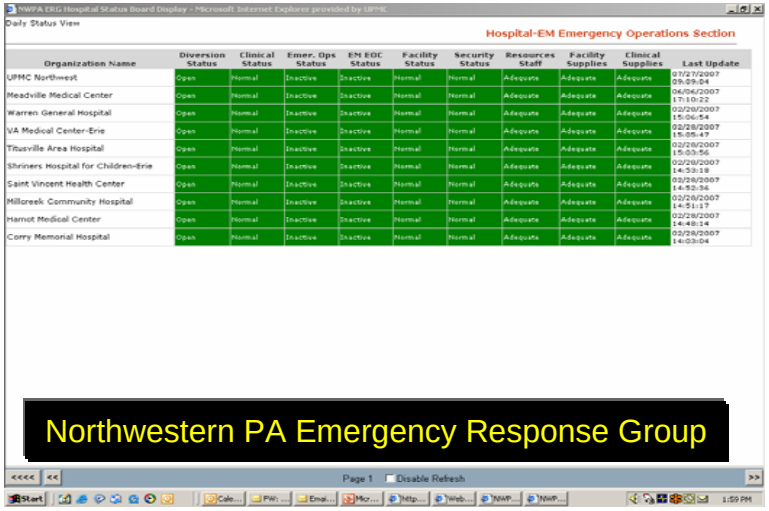
This process provides hierarchical situational awareness.

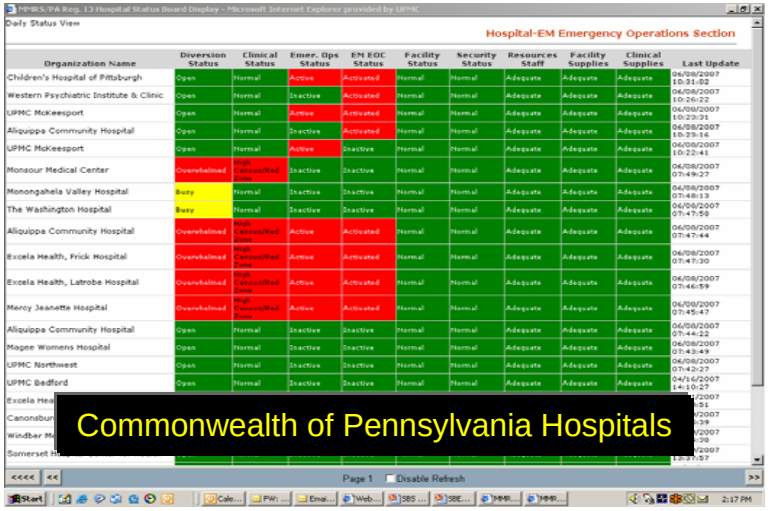


“Role-Based” Hospital Status Reports









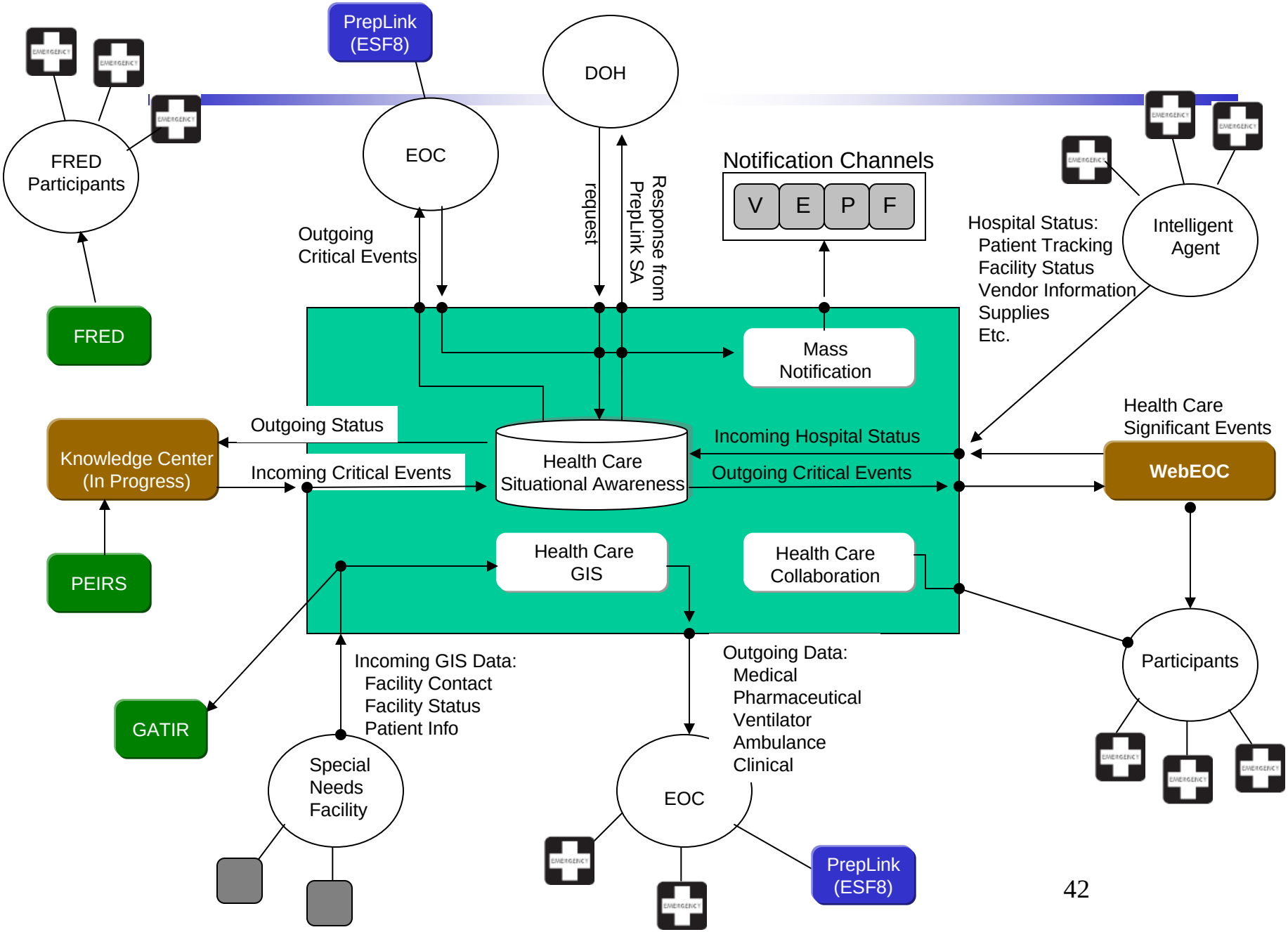
Technical Design Principles

- **Interoperability:**
  - Within hospitals
  - Among hospitals
  - With regional public health and governmental entities

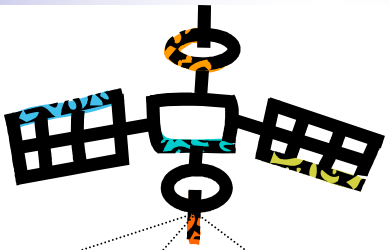
- **Conformance to technical standards and policies:**
  - HL7 (healthcare)
  - EDXL (emergency management)
  - American Hospital Assn./National Disaster Medical System (bed types)
  - OGC (map-based interfacing)
  - GSR168 (portal interface)
  - CMMI (software development)

- **Application designed for flexible use (Daily and/or event driven),** i.e., bed management, mass communications, situational awareness, public information portal, and others.

PrepLink(SM) Ability to Support ESF #8 Functions



Prototype Satellite Network for Health Care Communications



Northwest Hospital

AVL Satellite on UPMC Smart Unit

Raysat Mobile Satellite on EMS Vehicle

SMART Unit and Communications

- UPMC SMART Unit
  - Fully deployable
  - 2 bed surgery suite
  - Triage
  - Training & simulation
- Satellite communications
  - Video, data, VOIP
  - WiFi network
  - Telemedicine (audio scope, ultrasound)
- Raysat mobile system

PrepLink's(SM) Installed Applications

- Used in Real-world Events (Power Losses, Water Losses)
- Used for coordination of planned events (Hospital Moves, DHS High Profile Events i.e. Major Sporting Events)
- Team Spaces (Project Planning, Response Planning)
- Installed technology that allows communication with thousands of care providers in the event of a disaster

PrepLink(SM) Drills

2006:

- Operation Red Rose (September)
- NDMS (November)

2007:

- Pandemic Surge (May)
- Steel Rose (June)
- Red Rose II (July)
- Steel Hammer (September)

2008 (planned):

- Steel Rose II (TBD)
- Red Rose III (May)

Questions

Thank you for your time.

For more information send questions to:
info@preplink.org