BioSense Training: Soup to Nuts A Progress Report



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National Center for Public Health Informatics
Division of Emergency Preparedness and Response



Session Objectives

 Identify how to use needs assessment data to develop training products

 Create learning and application evaluations to measure learning



BioSense Background

- A national program for conducting real-time biosurveillance and health situational awareness
- Receives existing data from healthcare organizations, state surveillance systems, and a commercial laboratory.
- Analyzes the data and makes it available to public health and hospital partners via the web-based application.



Soup to Nuts Approach

Assessment
Planning
Implementation
Evaluation













Why a needs assessment?

- To ensure training was:
 - offered at the right frequency
 - included the right mix of training methods
 - designed for various experience levels
- So that users could achieve the maximum benefit from using the BioSense Application on a routine basis as well as during a public health emergency.





Needs Assessment Components

- Identify stakeholders
- Conduct interviews and survey user groups
- Research best practices
- Conduct a literature review





We had our ingredients...

- focus on what the audience "needs to know"
- time limited web training (no more than 1 hour)
- use scenarios and practice opportunities
- assemble materials into short units
- use skill-building exercises





Grouping and Prioritizing

- Content Delivery
 - ◆ Live Interactive
 - Web-based (static)
 - ◆ Print
- Resource availability
 - ◆ Human
 - Budget
- Implementation Plan



Live Webinars

- Top rated method to receive training
- Introduced level of interactivity
- Contextualized training using scenarios
- User driven special topics webinars



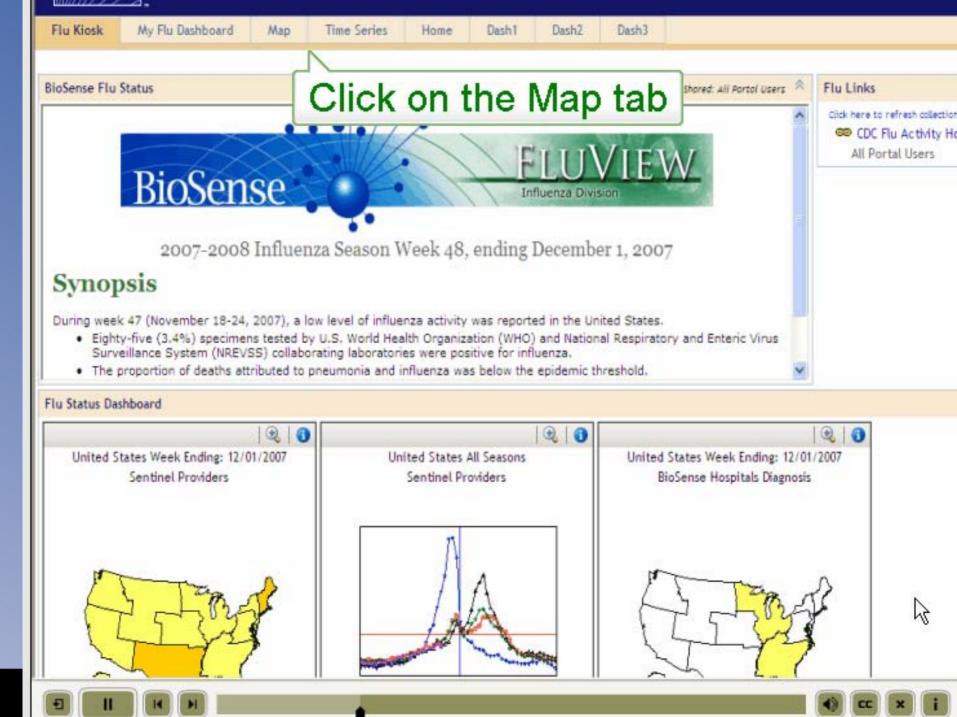
Tip Sheets & Video Simulations

- Format
 - ◆ Tip Sheet
 - Video Simulation
- Pilots
 - Process
 - ◆ Results









GSU Service Learning Project



- Accomplishments
 - Prototype Instructional Portal
 - Two marketing videos
- Challenges
 - ◆ Limited access to BioSense
 - ◆ Time
- Going forward





BioSense

Home | About BioSense | History & Mission | How to Login | BioSense Tutorial | Additional Resource



Learn about the History and Mission of the BioSense Application:

About the BioSense Instructional Portal

BioSense is a national program intended to improve the nation's capabilities for disease detection, monitoring, and real-time situational awareness through access to existing data from healthcare organizations across the country.

The purpose of this learning environment is to introduce public health professionals to the CDC's BioSense application. Upon completion of this training tool, users will be able to recount the history and mission of the BioSense program, identify and log into the BioSense database, define syndrome and subsyndrome mappings, identify data sources, and use the BioSense application in an outbreak situation.

if you are a new user, it is advised that you view the tutorial in its entirety. if you are a returning user, feel free to use the links to navigate directly to various portions of the training according to your needs.

BioSense in Second Life

- Activities
 - Leveraged existing contract
 - Content development
 - Continuing Education (CE) Accreditation
 - Evaluation development
 - ★ Generic Website Usability Testing OMB
 - ⋆ CE Credit Survey

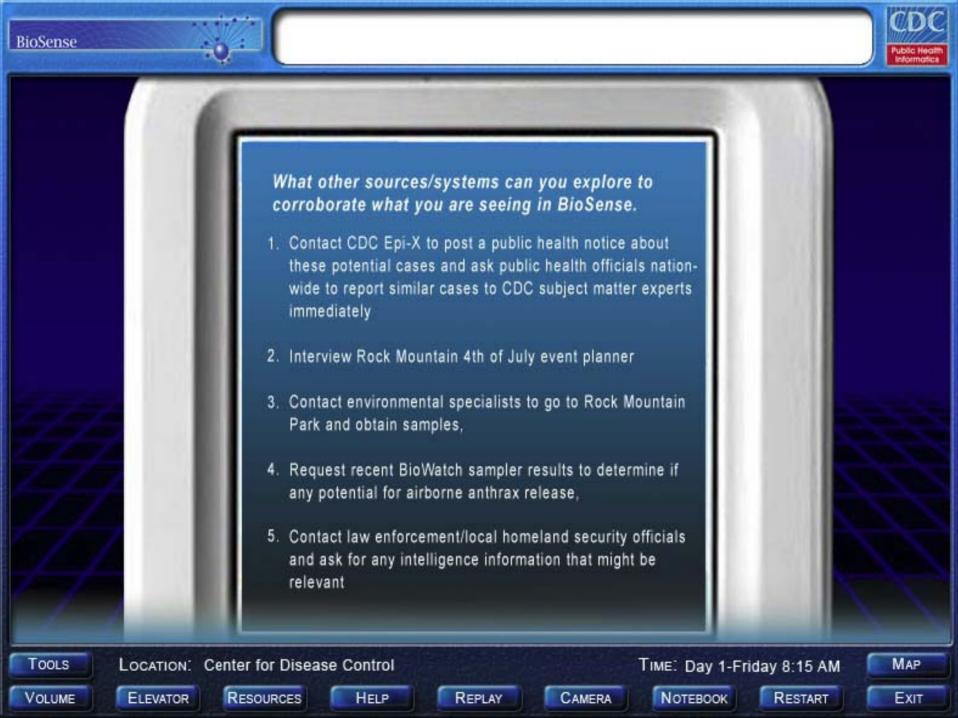


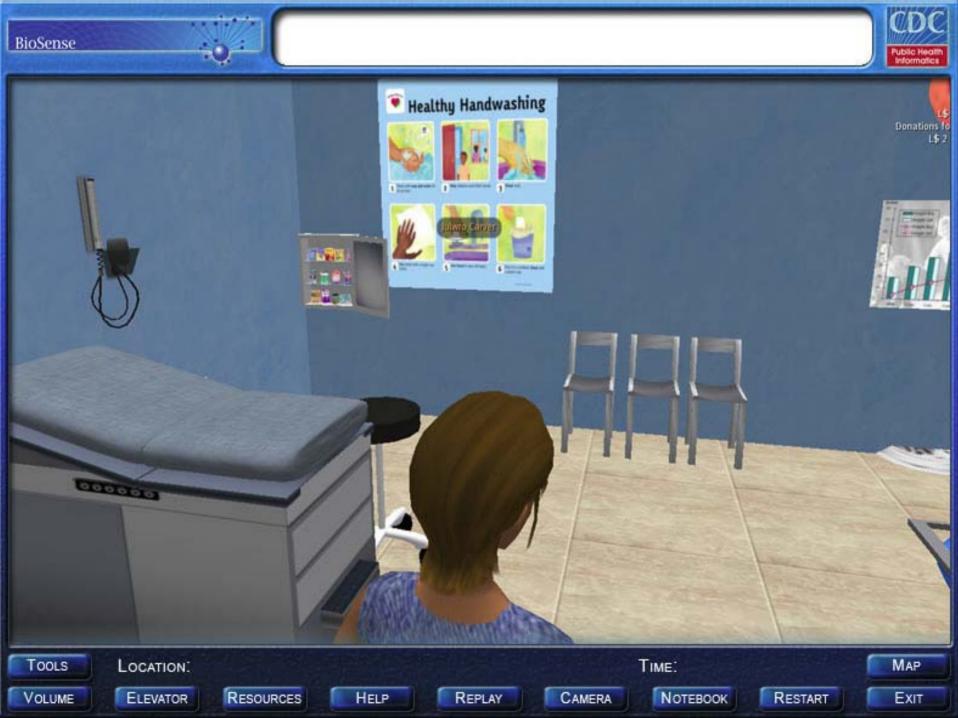
BioSense in Second Life

- Challenges
 - ◆ Change in SMEs
 - ◆ Clearance
- Going forward









Podcasts, Regional Demos,...

- Podcasts
 - Pre-recordings of webinars
 - Video Simulations
- Regional Demos
 - Application Demonstration video at conferences



In a nutshell, we learned...



- Timing
- Development
- User involvement

User satisfaction



Questions??

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BioSense Training web page www.cdc.gov/biosense/training

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