



# Chemical and radiological workforce readiness: Managing the interdepartmental collaboration, planning, development and implementation of chemical and radiological emergency preparedness online curricula for a large local public health department infrastructure

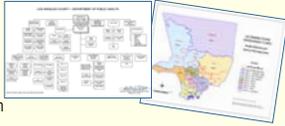
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## Abstract Summary

Ensuring staff compliance around chemical and radiological emergency preparedness training poses challenging implications for a large public health department with an infrastructure of approximately 4,000 employees, 50 programs, and a variety of disciplines serving a population of 10 million, geographically spanning 4,084 square miles. This presentation will highlight the organizational and technological considerations critical to devising a chemical and radiological emergency preparedness online training product and present best practices around the development of chemical and radiological online course modules proven to showcase such practices of departmental collaboration, sophisticated online technological use, and ultimately the methods installed to change the psychological culture of our public health department employees to begin thinking about an all hazards approach to emergency preparedness.

## Infrastructural Readiness Barriers

- 4,000 employees
- 50 programs
- 4,084 square miles
- 10 million population



## Los Angeles County Department of Public Health Employee Readiness Framework



## PHASE 1: Planning

- Internal Organizational Development and Training brainstorming and planning
- Interdepartmental collaboration among project leaders, project consultant, subject matter experts and other key stakeholders
- Course objectives and target audience identification
- Identify course prerequisite structure
- Determine course certification protocol
- Determine course completion protocol
- Initiate continuing medical education process
- Integration into Preparedness University and Employee Readiness Framework

## PHASE 2: Design

- Content development
- Stakeholder review
- Teaching medium selection
- Mediasite development
- Online module development
- Online module testing
- Focus group testing



## PHASE 3: Implementation

- Marketing
- Online registration system
- Online pre/posttest system
- Email notification system

## PHASE 4: Evaluation

- Online system data analysis

## Online Experience: Mediasite

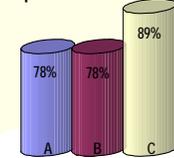
### What is Mediasite?

- Mediasite creates online training, automatically synchronizing live audio, video and PowerPoint slides
- Boosts retention and provides an interactive learning environment
- Increases the reach and availability of training information
- Reduces travel, work interruption and downtime
- Bridges time and distance with online training



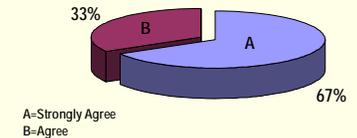
## Results: Chemical Course Evaluation

### Speaker Evaluation



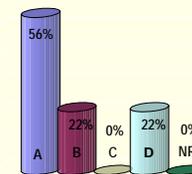
A: Information presented was useful  
B: Information presented was effectively delivered  
C: Objectives fully met

### It Is Important For Me to Learn About Chemical Disasters



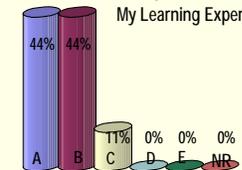
A=Strongly Agree  
B=Agree

### I Felt Like Watching the Instructor Online Was:



A=As good as sitting in the classroom  
B=Better than sitting in the classroom  
C=No different than sitting in the classroom  
D=Not as good as sitting in the classroom  
NR=No Response

### I Value the Option to Customize My Learning Experience



A=Strongly Agree, B=Agree, C=Neutral, D=Disagree, E=Strongly Disagree, NR=No Response