

Harnessing the Power of E-learning Software to Enhance Training Programs

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at the UNIVERSITY *of* CHICAGO



A word cloud centered on the word "e-learning" in a large, bold, orange font. The background is a dark gray. Other words are scattered around, in various sizes and colors (white, light gray, pink, and orange). The words include: "support" (top left, white), "multi-media" (top center, white), "online" (top right, light gray), "modules" (middle left, pink), "development" (middle left, light gray), "technology" (middle right, light gray), "cost-savings" (top right, light gray), "engage" (middle right, pink), "tablet" (middle right, light gray), "interactive" (middle left, white), "content" (middle left, light gray), "virtual" (middle right, light gray), "design" (middle right, light gray), "information" (middle left, pink), "access" (middle left, light gray), "practice" (middle right, white), "connected" (middle right, pink), "web-based" (bottom left, orange), "tools" (bottom left, orange), "remote" (bottom left, white), "knowledge" (bottom left, pink), "courses" (bottom left, light gray), "skills" (bottom center, white), and "think" (bottom right, light gray).

support
multi-media
online
modules development
e-learning
technology
cost-savings
engage
tablet
interactive
content
virtual
design
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tools
remote
knowledge
courses
skills
think

E-learning: the use of electronic educational technology in teaching and learning (*Wikipedia.org*)

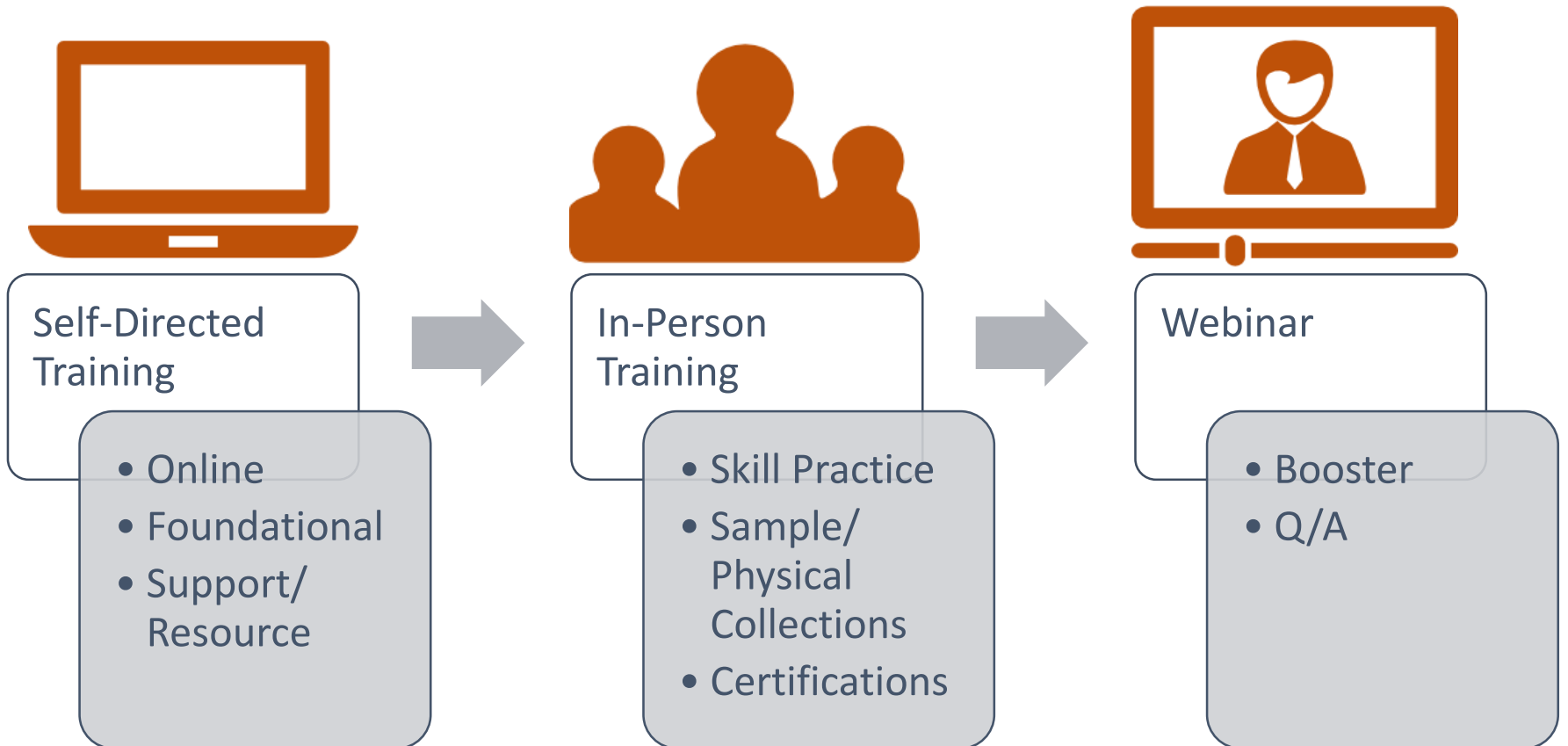
Web-based or **online learning:** instruction delivered via the internet

Learning management system (LMS): a platform for the organization, delivery, tracking, and reporting of e-learning courses or training programs



E-learning authoring software or **E-learning software:** software for authoring and developing content specifically for e-learning purposes

Training Approach



1

Identify our priorities

2

Download the demo
& explore

3

Weigh our options



Adult Learning Principles



Relevant



Build on knowledge and experience



Create connections



Practical, hands-on

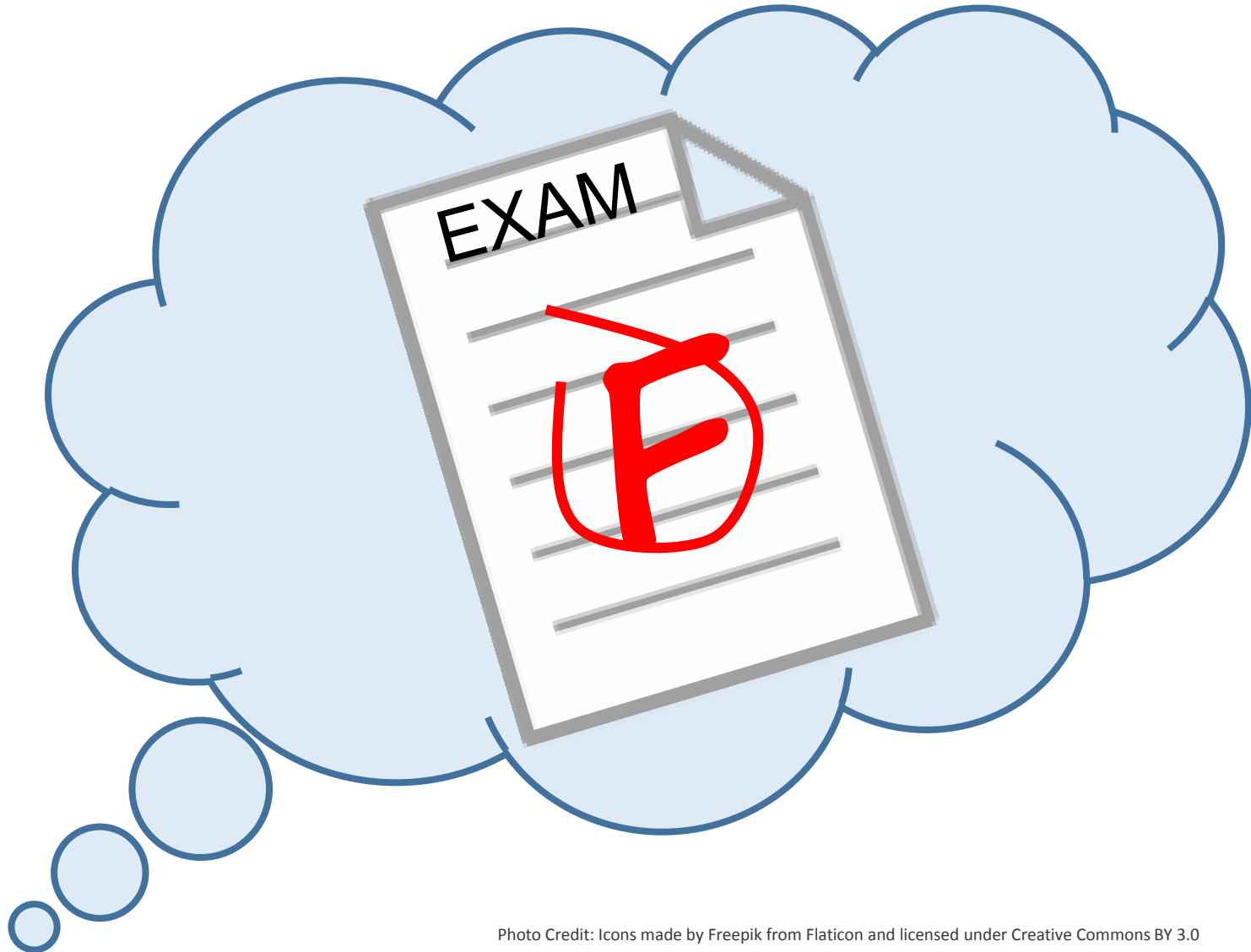


Allow for self-direction



Infused with respect

Quizzes vs. Learning Activities



Example: Performance-Based Activity

Menu

▼ Interactive Activities

Performance-Based

- Drag & Drop
- Scenarios
- Review

▼ Custom Learning Path

- Trainee Choice
- Let's Review
- Trainee Progress
- Next Module

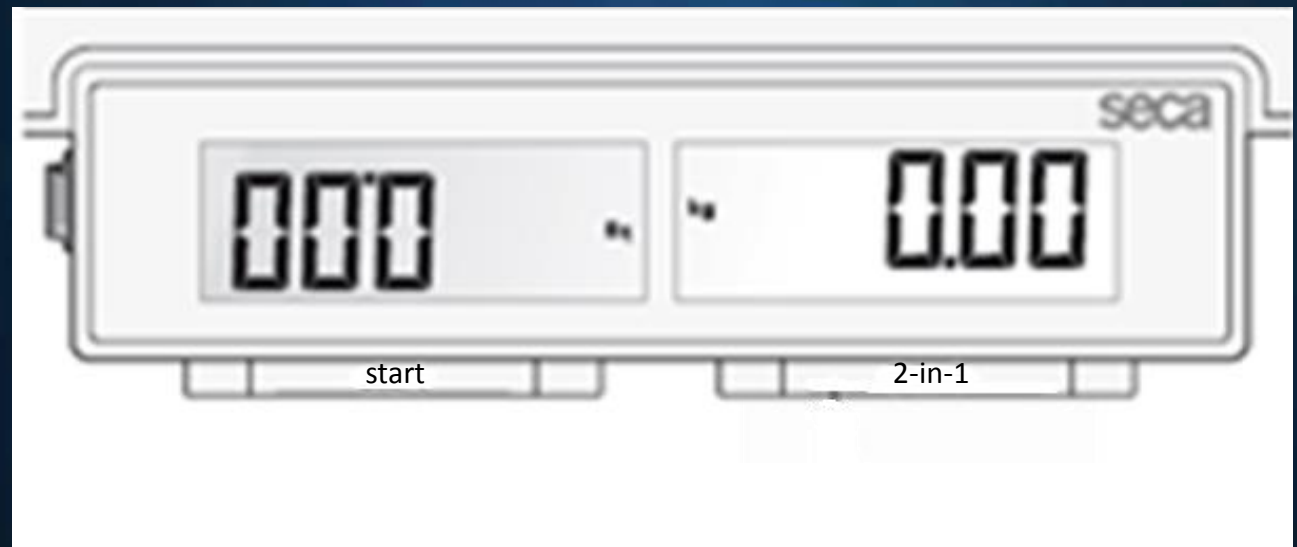
▼ Information Management

- Slide Layers
- Hotspots & Markers

Interactive E-Learning Demo

Resources

When taking the TARE measurement, which button do you press and hold to activate the tare function? Click the appropriate button in the picture below.



Search...



SUBMIT

Example: Realistic Scenario Activity

Menu

Interactive Activities

Performance-Based
Drag & Drop

Scenarios

Review

Custom Learning Path

Trainee Choice
Let's Review
Trainee Progress
Next Module

Information Management

Slide Layers
Hotspots & Markers

Search...



Interactive E-Learning Demo

Resources

Scenarios



You know, I just have so much stuff going on right now. Jimmy needs a bath, and I have to unload my groceries.

Click on the best response for gaining cooperation.

Well, you agreed to do this study, so you're really letting us down. Surely Jimmy's bath can wait.

Choice 1

Wow, sounds like you have a lot on your plate. We really value the time you contribute to this study, so maybe we can work something out.

Choice 2

Okay, not a problem at all, just call me whenever you have less on your plate and we'll reschedule.

Choice 3



< PREV

NEXT >



Example: Drag-and-Drop Activity

Menu

- Interactive Activities
 - Performance-Based
 - Drag & Drop**
 - Scenarios
 - Review
- Custom Learning Path
 - Trainee Choice
 - Let's Review
 - Trainee Progress
 - Next Module
- Information Management
 - Slide Layers
 - Hotspots & Markers

Search... 

Interactive E-Learning Demo Resources

Drag & Drop

Click on the sheets of paper below and drag them into the appropriate drop box.

Pre-visit Activities

Post-visit Activities

Confirm consent documentation

Mail self-administered questionnaires

Mail thank-you letter

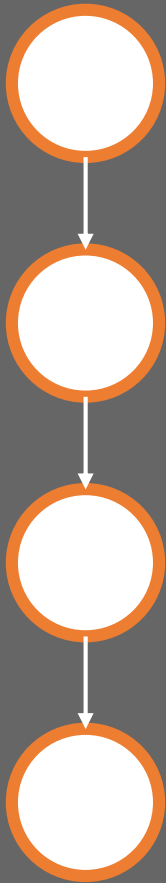
Schedule visit

Provide incentive

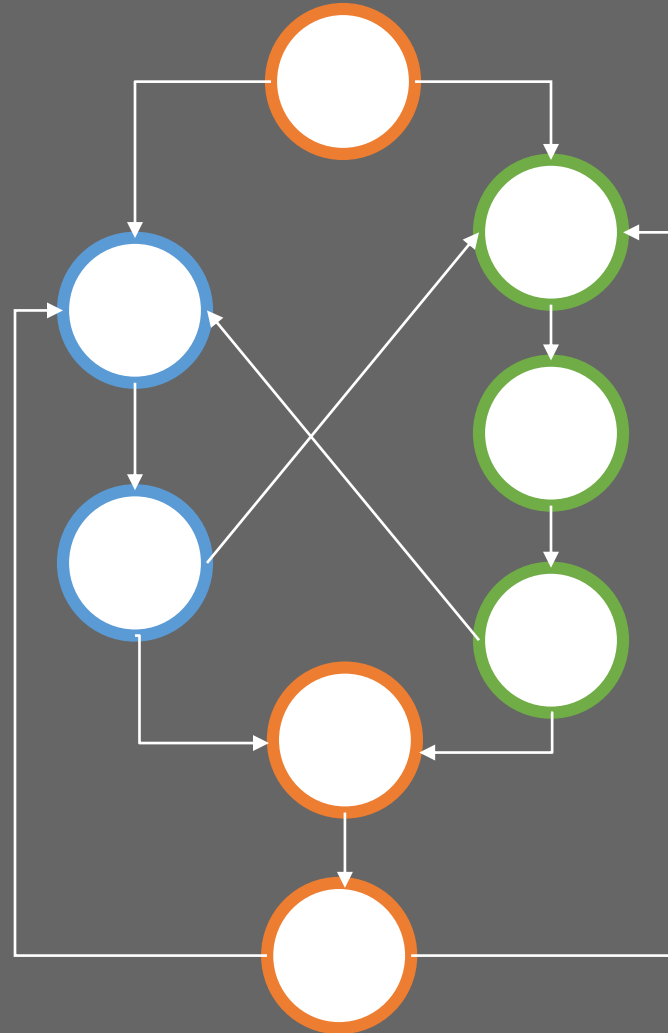
  SUBMIT

Skipping and Branching

Forced path



Self-directed path



Example: Path based on Trainee *Choice*

The screenshot displays an interactive e-learning interface. On the left is a navigation menu with the following items:

- Menu
 - Interactive Activities
 - Custom Learning Path
 - Trainee Choice** (highlighted)
 - Let's Review
 - Trainee Progress
 - Next Module
 - Information Management
 - Slide Layers
 - Hotspots & Markers

The main content area is titled "Interactive E-Learning Demo" and includes a "Resources" link in the top right. The text reads:

We've covered a lot of material so far about the importance of informed consent and the consent procedures for this study. How are you feeling about the consent material?

Click on the bubble below that describes what you'd like to do next!

Two green speech bubbles are presented as choices:

- Left bubble:** "I've got a good understanding, but I'd like to review the key points again."
- Right bubble:** "I feel fully confident with the consent materials. I'm ready to move on!"

A mouse cursor is positioned over the right bubble. At the bottom of the interface, there is a search bar labeled "Search...", a speaker icon, and navigation buttons for "< PREV" and "NEXT >".

Example: Path based on Trainee *Progress*

The screenshot displays an interactive e-learning interface. On the left is a navigation menu with the following items: 'Interactive Activities', 'Custom Learning Path' (with sub-items 'Trainee Choice' and 'Let's Review'), 'Trainee Progress' (highlighted in blue), 'Next Module', and 'Information Management' (with sub-items 'Slide Layers' and 'Hotspots & Markers'). At the bottom left of the menu is a search bar labeled 'Search...' with a magnifying glass icon. The main content area is titled 'Interactive E-Learning Demo' and includes a 'Resources' link in the top right. The central text reads: 'We've covered a lot of material so far about the importance of informed consent and the consent procedures for this study. On a scale from 1 to 5, how confident are you in your ability to conduct consent procedures with participants?'. Below this text is a horizontal scale of five green square buttons labeled 1 through 5. Underneath the buttons are three text labels: 'Not at all confident' under button 1, 'Somewhat confident' under button 2, and 'Extremely confident' under button 5. At the bottom of the interface are a speaker icon, a '< PREV' button, and a 'NEXT >' button. A mouse cursor is visible near the bottom right of the main content area.

Menu

- Interactive Activities
- Custom Learning Path
 - Trainee Choice
 - Let's Review
 - Trainee Progress**
 - Next Module
- Information Management
 - Slide Layers
 - Hotspots & Markers

Search...

Interactive E-Learning Demo

Resources

We've covered a lot of material so far about the importance of informed consent and the consent procedures for this study.

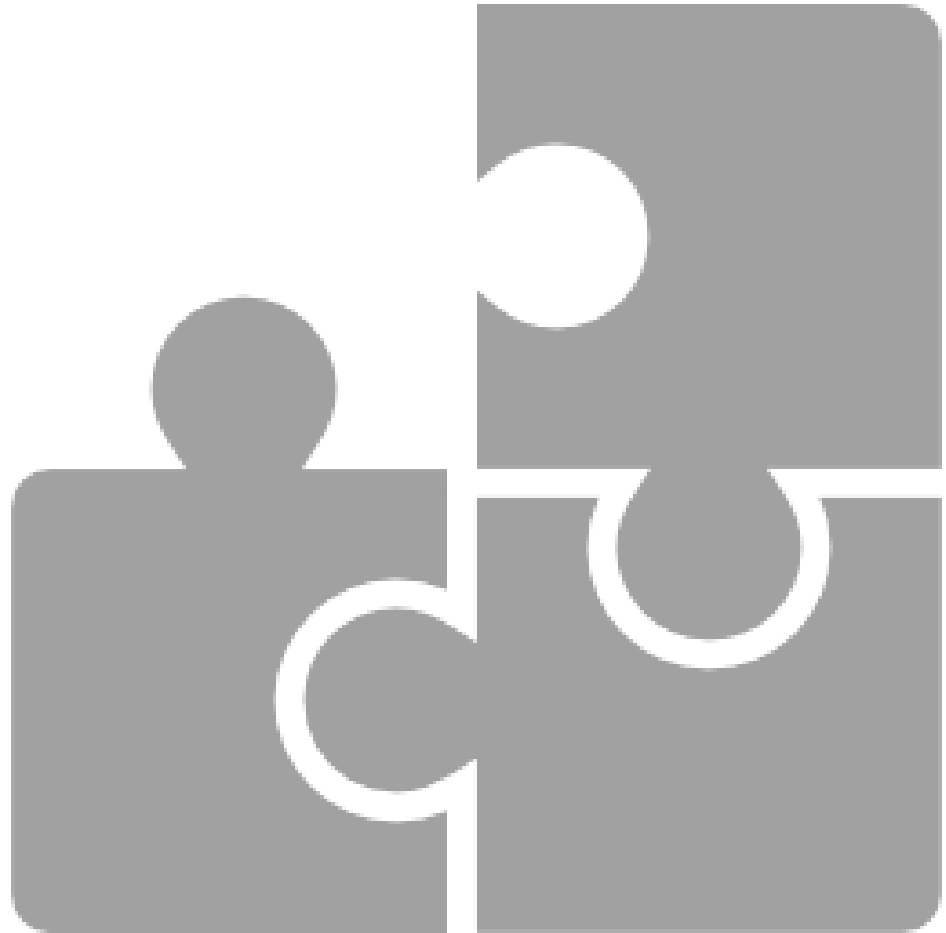
On a scale from 1 to 5, how confident are you in your ability to conduct consent procedures with participants?

1 2 3 4 5

Not at all confident Somewhat confident Extremely confident

< PREV NEXT >

Content Organization



Example: Slide Layers for Non-linear Learning

Menu

- Interactive Activities
- Custom Learning Path
- Information Management
 - Slide Layers
 - Hotspots & Markers

Interactive E-Learning Demo

Resources

Study Visit Flow



Search...



< PREV

NEXT >

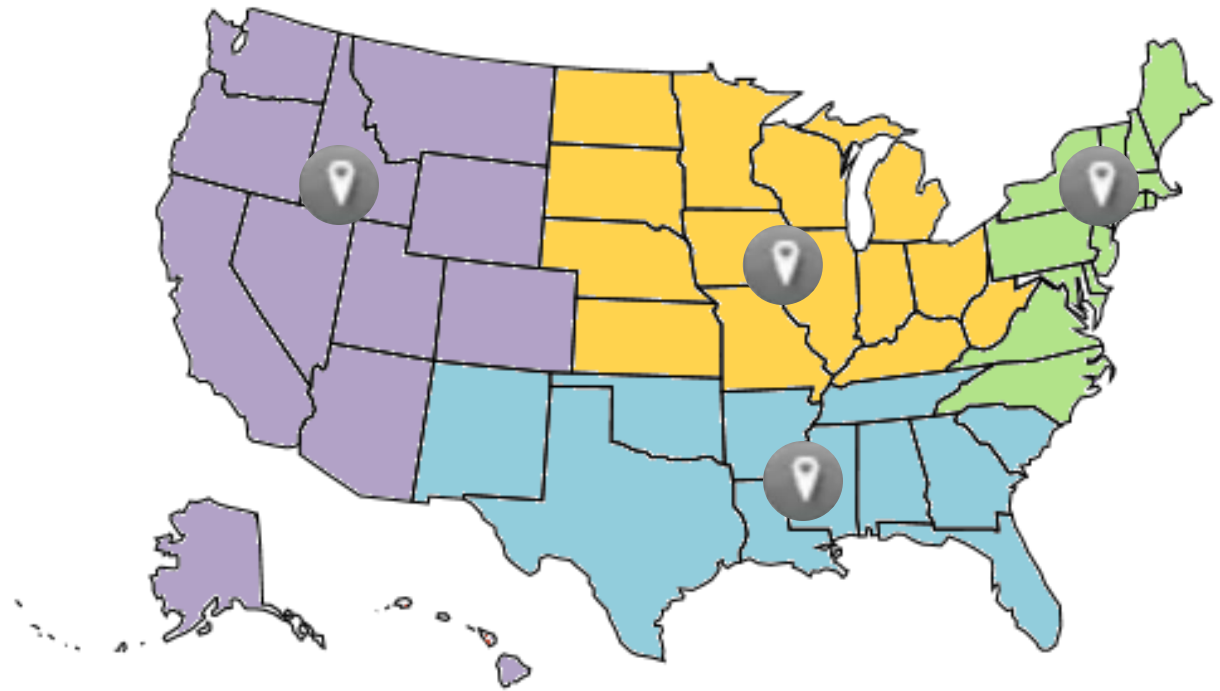
Example: Mouse-overs and Markers

Menu

- ▶ Interactive Activities
- ▶ Custom Learning Path
- ▼ Information Management
 - Slide Layers
 - Hotspots & Markers

Interactive E-Learning Demo

Resources



Click on the  to learn more

Search...



< PREV

NEXT >

In-Person Trainings

- Multi-media component
- Break-out activity

Job Aid

- Tutorials
- Decision trees

Presentations



Challenges & Limitations



Learning curve



Technological issues



Quick turnaround



Unable to evaluate

Thank You!



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