HRSA Region VII Midwestern Public Health Training Center

Local Performance Sites

- Wichita State University
- University of Nebraska Medical Center
- Saint Louis University College for Public Health and Social Justice
- The University of Iowa College of Public Health

IN PARTNERSHIP WITH
PUBLIC HEALTH LEARNING NETWORK
THE ART OF

Engaging ADULT Learners in eLearning for Public Health Professionals

Nor Hashidah Abd Hamid, PhD

Midwestern Public Health Training Center
At the end of this presentation, you will be able to:

- Discuss the use of adult learning theory in eLearning courses for public health professionals
- Identify innovative interactive strategies that engage learners, stimulate motivation, and increase learning retention
- Discuss evaluation results of the eLearning courses
Adult Learning Theory

- Active role
- Real life applications
- Benefits
Innovative Strategies

- Visual Design Solutions
- Scenario Based Applications
- Multimedia/Videos
People following directions with text and illustrations do **323% better** than people following directions without illustrations

**Visual Design Solutions**

- **Why?**
  - Acquiring Skills
  - Impact Emotions
  - Increase Engagement
  - Increase Retention

Color visuals increase willingness to read by 80%
Visual Design Solutions

- Depict concrete objects
- Tell a story or scenario
- Persuade an audience
- Explain unfamiliar concepts
- Demonstrate a procedure
- Explain a process
- Point out something specific
- Make comparison

Effective Visuals
VDS - Example

A

B
VDS - Example

A

B
Scenario – Why?

Retention Rate vs. Strategies

Percentage

<table>
<thead>
<tr>
<th>Strategies</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scenario</td>
<td>80</td>
</tr>
<tr>
<td>AudioVisual</td>
<td>10</td>
</tr>
<tr>
<td>Reading</td>
<td>10</td>
</tr>
<tr>
<td>Lecture</td>
<td>10</td>
</tr>
</tbody>
</table>

Retention Rate
Scenario - Example

<table>
<thead>
<tr>
<th>Patient Scenario Communication</th>
</tr>
</thead>
<tbody>
<tr>
<td>Home Care: An elderly woman living alone, ten days after bypass surgery</td>
</tr>
</tbody>
</table>

*Click on each tab to learn more about this patient*

**You are seeing the patient for:** A post-operative check-up in her home, where she lives alone.

---

“Is my chest pain better today? No, it feels worse, and I need you to tell me why. At the hospital, I got so many bottles of pills, I’m sorry, but I’m still kind of confused about what to take. As far as pain medicine goes, I’ve been taking one pill every six hours like the pharmacist said, but they don’t give me any relief. Here’s the bottle. Vicks (reading label aloud) - Is that how you say it?”

---

**What should you do?**

- Call the provider
- Get more information
- Do not call the provider
Scenario - Example

Home Care: An elderly woman living alone, ten days after bypass surgery

Click on each tab to learn more about this patient

Demographics  History  Active Problems  Diagnostics  Current Medications  Provider Notes

You are seeing the patient for: A post-operative check-up in her home, where she lives alone.

"Is my chest pain better today? No, it feels worse, and I need you to tell me why. At the hospital, I got so many bottles of pills, I'm sorry, but I'm still kind of confused about what to take. As far as pain medicine goes, I've been taking one pill every six hours like the pharmacist said, but they don't give me any relief. Here's the bottle. Play-vicks (reading label)

Correct!

With the information gathered from the assessment and patient's report, you should call the provider, because the Plavix dosage she has taken may cause side effects.

What should you do?

- Call the provider
- Get more information
- Do not call the provider

Continue
Video Interactivity

The information Susan provided in this handoff is:

A. well-organized
B. adequate
C. incomplete
The information Susan provided in this handoff is:

- **A** well-organized
- **B** adequate
- **C** incomplete

Incorrect! The correct answer is “incomplete”. Susan definitely provided some good information, but it is not detailed enough for Wanda to adequately care for Joan.
Interactive/Learner-Centered

Practice Exercise 1

Directions: Click on the seven elements that you have to consider to make sure the physical environment is comfortable for the residents during bathing. Once you've found all seven elements, please proceed by clicking the "Next" button below.

You've found 3

Correct! Keep bathing room at warm temperature.
Journal

- Active thinking
- Reflective – deeper learning
- Boost critical thinking
Innovative Interactive Strategies

- Visual design solutions
- Scenario based activities
- Multimedia/Interactive videos
- Educational games
- Journal
- Drag & Drop
- Interactive Exercise
- Review Questions
- Feedback
Satisfaction Evaluation – Kirkpatrick Level 1

- Interactive
- Interactive scenarios
- Real-life situations
- Case-studies
- Review questions
- Drag & Drop
- Applicable to job
- Visuals
- Interactive scenarios
- Games
- Videos
Additional Workforce Development Activities

TANYA UDEN-HOLMAN, PhD
DIRECTOR, MPHTC
Iowa Public Health Gaining Ground Coalition

12 Domains to PHABulous

Welcome to the Gaining Ground Video Series. Developed by the Iowa Public Health Gaining Ground Coalition, these videos provide a resource for those pursuing PHAB accreditation.

1. Assess
3. Available Summer 2016
4. Community Engagement
5. Policies & Plans
6. Public Health Laws
7. Access to Care
8. Workforce
10. Evidence-Based Practices
11. Administration & Management
12. Governance

Iowa Counties Public Health Association
Iowa Department of Public Health
Iowa Environmental Health Association
Iowa Public Health Association
Midwestern Public Health Training Center
Public Health Advisory Council
Issue

Obesity
Target Population

Youth
Ages 5-10

Collaboration

Local School District
Evidence-Based Practice

Active Recess
Evidence-Based Practice

Active Recess

Committee Meeting Minutes
Public Education Materials
Internal Memos
Health Department Workforce Survey 2015

INTRODUCTION  The purpose of this assessment is to help you reflect on your knowledge and experience in several different areas of public health practice. The assessment results will help identify areas of public health practice which you may want to further develop. It is estimated to take 20-25 minutes to complete this assessment.

Q1 How long have you worked in community/public health or a related field?
- Less than 1 year (1)
- 1-3 years (2)
- 4-6 years (3)
- 7-10 years (4)
- More than 10 years (5)

Q2 How long have you worked at your current organization?
- Less than 1 year (1)
- 1-3 years (2)
- 4-6 years (3)
- 7-10 years (4)
- More than 10 years (5)

Q3 What is your current employment status?
- Full-time (40 or more hours per week) (1)
- Part-time (less than 40 hours per week) (2)
- Consultant / Contractor (3)
- Other (Please Specify) (4)  

Q4 What is your organizational role?
- Executive leader (senior management, chief administrators) (1)
- Office director/ program manager (2)
- Supervisor (3)
- Non-supervisory staff (4)

Q5 What are your estimated years to retirement?
- Less than 1 year (1)
- 1-2 (2)
- 3-4 (3)
- 5+ years (4)
Oral Health App

Denture brushes have taller bristles, which allow you to reach the inner areas of the dentures where regular toothbrushes are not able to reach.
In Summary

HRSA Region VII

Over 80 Training Programs

Over 10,450 Trained