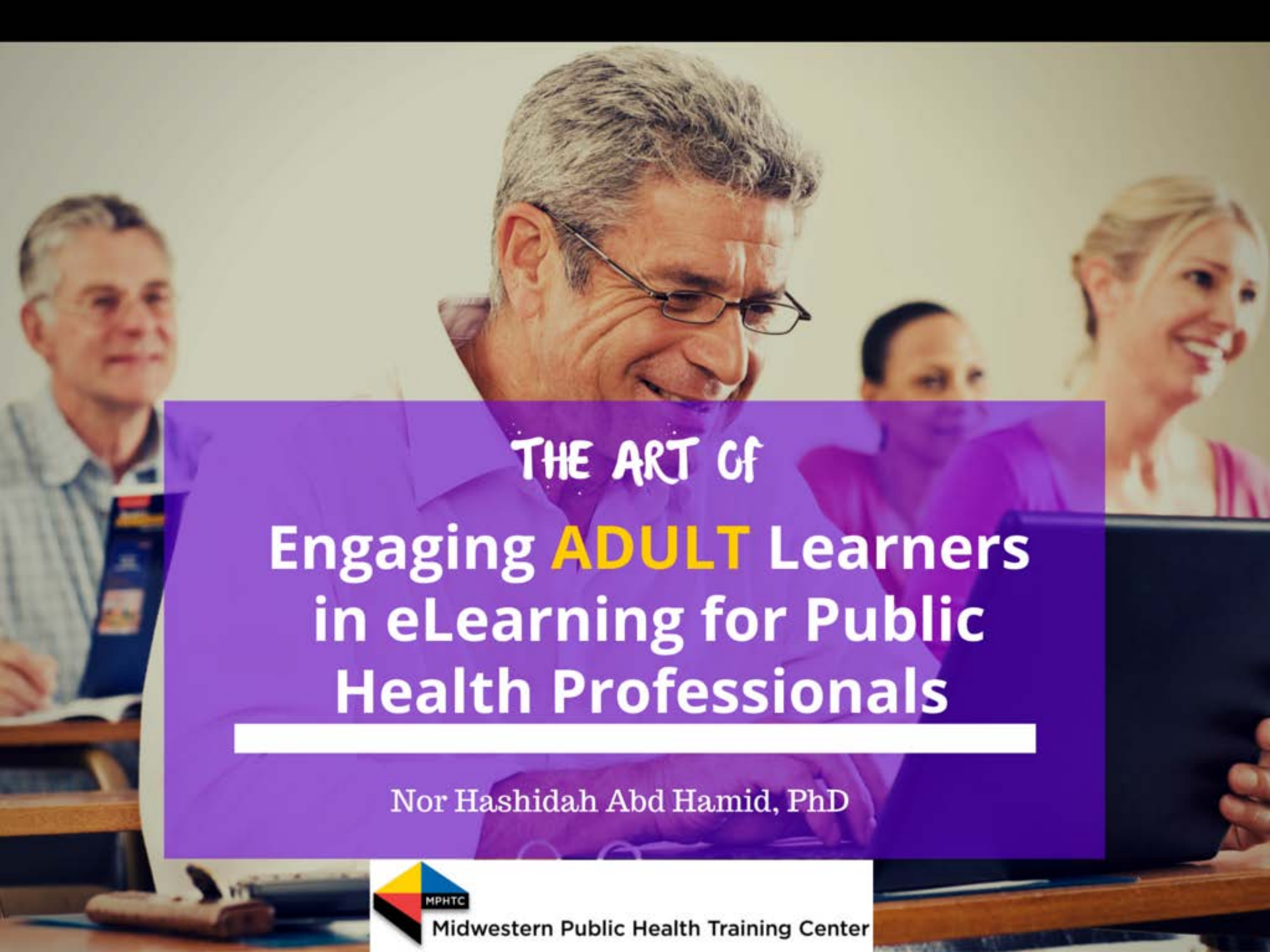


HRSA Region VII Midwestern Public Health Training Center

Local Performance Sites





THE ART OF Engaging **ADULT** Learners in eLearning for Public Health Professionals

Nor Hashidah Abd Hamid, PhD



Midwestern Public Health Training Center

Social Media



@midwesternPHTC



@norazidaazhari



Learning Objectives

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



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

Levie, W.J. & Lentz, R. (1982). Effects of text illustrations: A review of research, Educational Communication and Technology. Cited on <http://neomam.com/interactive/13reasons/>



Visual Design Solutions

► Why?

Acquiring
Skills

Impact
Emotions

Increase
Engage-
ment

Increase
Retention

Color visuals
increase willingness
to read by **80 %**

10%
of what they
HEAR

80%
of what they
SEE and DO

20%
of what they
READ



Visual Design Solutions

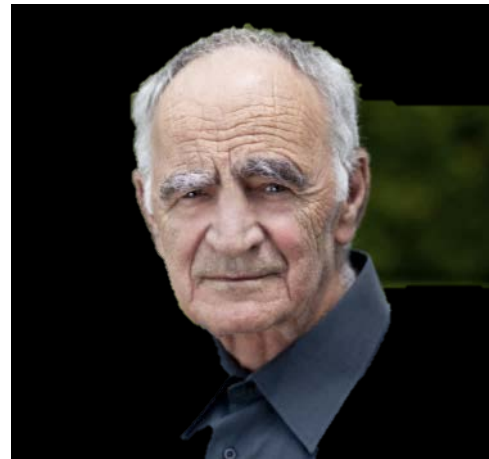
- ▶ Depict concrete objects
- ▶ Tell a story or scenario
- ▶ Persuade an audience
- ▶ Explain unfamiliar concepts
- ▶ Demonstrate a procedure
- ▶ Explain a process
- ▶ Point out something specific
- ▶ Make comparison

Effective Visuals

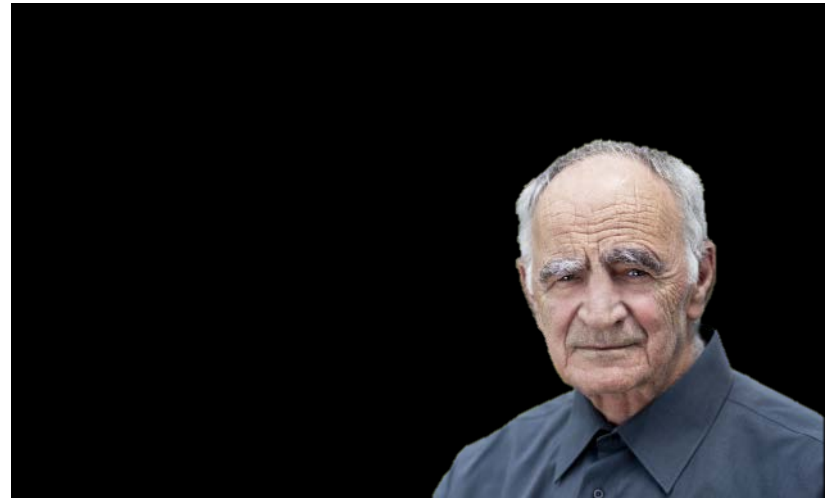


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VDS - Example

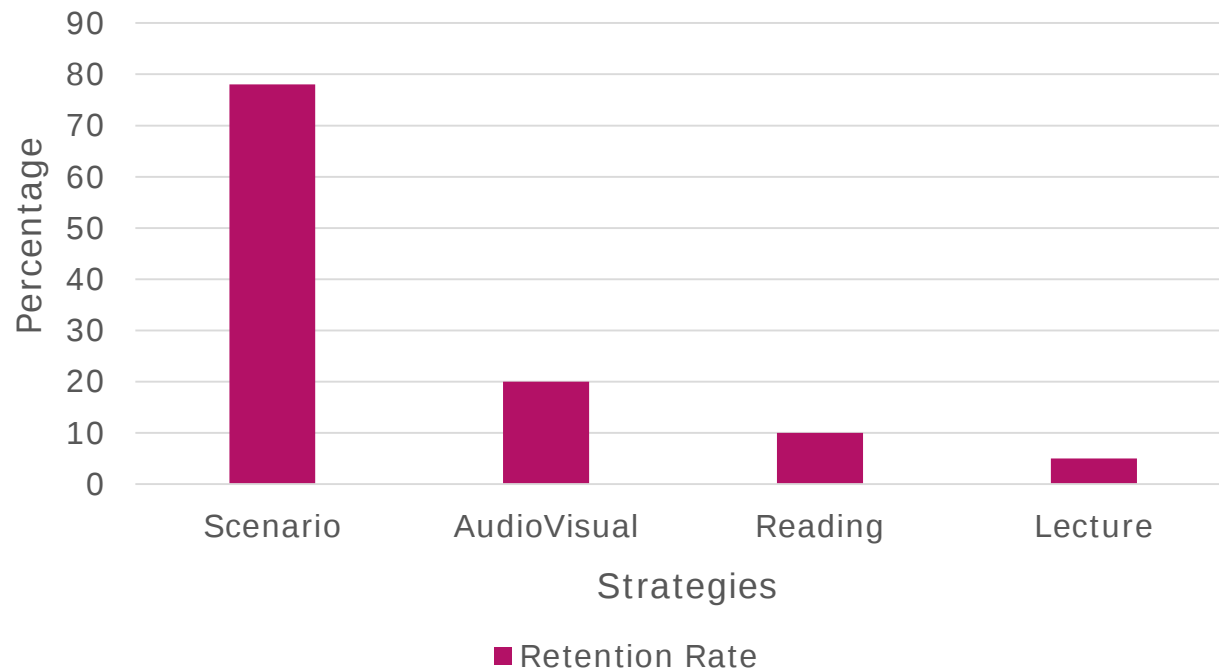
**A****B**

VDS - Example

**A****B**

Scenario – Why?

Retention Rate vs. Strategies



Scenario - Example

Patient Scenario Communication

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 aloud) - Is that how you say it?"

What should you do?

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

SUBMIT



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Scenario - Example

Patient Scenario Communication

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

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What should you do?

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

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.

Continue

Video Interactivity

Video Interactivity Examples

Scenario Handoff Activity - Acute Care

The information Susan provided in this handoff is:

- A well-organized
- B adequate
- C incomplete

00:52 / 02:28

Video Interactivity

Video Interactivity Examples

Scenario Handoff Activity - Acute Care

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.

00:52 / 02:28

Continue
video



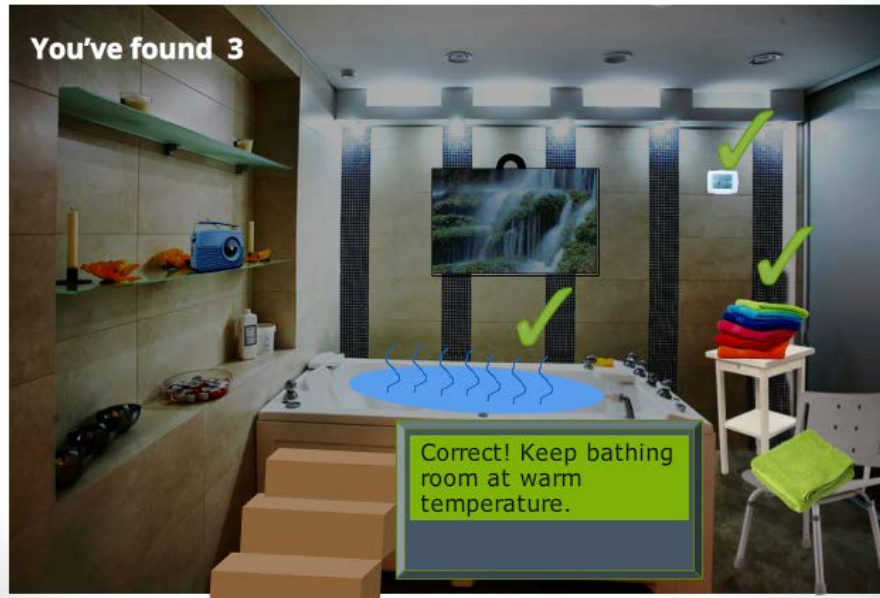
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Interactive/Learner-Centered

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



Journal

Menu | Notes | Journal

How to Use | Exit

Type your ideas here...

- ▶ Active thinking
- ▶ Reflective – deeper learning
- ▶ Boost critical thinking

To keep all your journal's entries, make sure you always choose "resume" when revisit this module.
Alternatively please save this entry on your own machine or print it.



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Innovative Interactive Strategies

- ▶ Visual design solutions
- ▶ Scenario based activities
- ▶ Multimedia/Interactive videos
- ▶ Educational games
- ▶ Journal
- ▶ Drag & Drop
- ▶ Interactive Exercise
- ▶ Review Questions
- ▶ Feedback



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Satisfaction Evaluation – Kirkpatrick Level 1

Interactive

Review questions

Drag & Drop

Applicable to job

Real-life situations

Interactive scenarios

Visuals

Case-studies

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.



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



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Evidence-Based Practice



Committee Meeting Minutes

Public Education Materials

Internal Memos



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Competency-Based Workforce Development Assessment



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)

Content Area: Diabetes

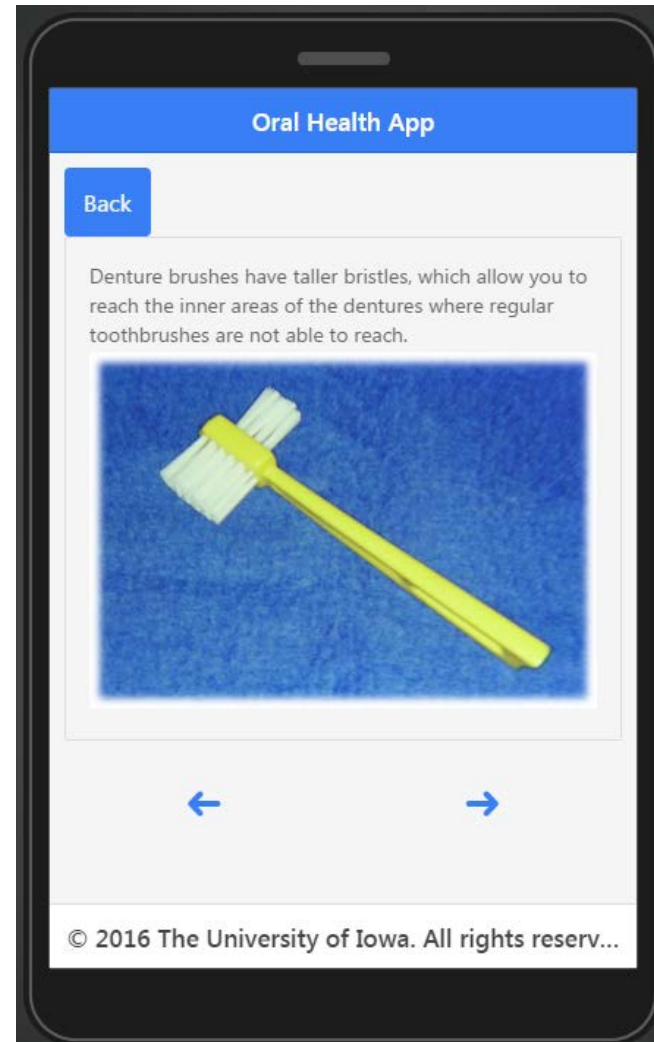


Confronting Diabetes: Prevention and Management Webinar Series



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Oral Health App



In Summary



**Over
80
Training
Programs**

HRSA Region VII

**Over
10,450
Trained**



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