

# Fire Safety Design Document

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<i>Business Purpose</i>	<ul style="list-style-type: none"><li>• A+ Health supervisors have noticed an increase in fire risks (storing items in the hallway, supplies too close to sprinkler heads, etc.) and interviews with staff revealed most could not articulate why they were risks. They also had varying answers to how to respond if there was a fire emergency.</li><li>• In the past, fire safety has been taught by a number of instructors, each giving focus to some topics and glossing over others.</li><li>• A standardized course could give balanced focus and ensure employees can identify and prevent fire risks, as well as articulate the steps to respond to a fire emergency. This can also help when reviewing for annual compliance.</li></ul>
<i>Target Audience</i>	<ul style="list-style-type: none"><li>• New A+ Health employees working onsite</li><li>• May also be used for annual compliance review</li></ul>
<i>Training Time</i>	<ul style="list-style-type: none"><li>• 20 minutes for introductory course</li></ul>
<i>Training Recommendation</i>	<ul style="list-style-type: none"><li>• 1 e-Learning course created in Articulate Storyline to ensure standardized focus given to each topic</li><li>• Scenario based to introduce the need to reduce risks and know what to do in an emergency</li><li>• Course designed to give the learner the option to explore topics in any order</li><li>• Course would have a virtual avatar to serve as a guide throughout the course, providing tips and assistance</li><li>• Scaffolded interactivity with knowledge checks</li><li>• Learner will have opportunity to review material before assessment, if desired</li><li>• Final evaluation</li></ul>
<i>Deliverables</i>	<ul style="list-style-type: none"><li>• 1 e-Learning course<ul style="list-style-type: none"><li>○ Developed in Articulate Storyline</li><li>○ Includes voice-over narration</li><li>○ Storyboard including script</li><li>○ Includes a virtual human avatar, adult female, medical attire</li><li>○ Final evaluation</li></ul></li></ul>
<i>Learning Objectives</i>	<ul style="list-style-type: none"><li>• Identify ways to reduce fire risks</li><li>• Identify where to find fire alarm pull stations</li><li>• Choose the correct fire extinguisher based on fuel type</li><li>• Identify how to operate a fire extinguisher</li><li>• List the steps to respond to a fire emergency</li></ul>

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## Training Outline

- Introduction
  - Welcome to A+ Health
  - Highlight commitment to health and safety for patients and employees
  - Choice to review navigation or start course
- Navigation
- Learning objectives
  - Scenario: fire in a hospital room; patient in bed, extinguisher on wall, door blocked by cart, pull station in hall
  - What should you do first?
  - 5 seconds to click
  - Fire spreads across screen
  - What made the scenario hard?
  - Learning objectives listed
  - Learner will enter name to personalize experience
- Introduce avatar and topic selection
  - Image of hospital common area, waiting room or nursing station
  - Avatar greets learner by name and gives the choice of topic to explore first
  - Topics are Fire Risks, Fire Extinguisher Procedures, and Emergency Procedures
  - Learner may continue to evaluation once all topics are visited
- Fire Risks
  - Avatar explains how to interact
  - Never store items in the hallway
  - Keep corridors clear
  - Store supplies at least 18 inches below sprinkler heads
  - Learner returned to topic selection
- Fire Extinguisher Procedure
  - Types of Fires
    - Introduce fire classes A, B, C, D, K by fuel source and appropriate fire extinguishers
  - PASS Procedure
    - Avatar introduces steps to use a fire extinguisher
    - Pull pin, Aim for base, Squeeze handles, Sweep side to side
  - Knowledge Check
  - Learner returned to topic selection

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	<ul style="list-style-type: none"><li>• Emergency Procedure<ul style="list-style-type: none"><li>○ Avatar introduces the RACE procedure</li><li>○ Rescue Patients from Danger<ul style="list-style-type: none"><li>▪ Walk, Wheelchair, 1-2 Person Carry, Blanket Drag, Med Sled or Stretcher</li></ul></li><li>○ Activate the Alarm<ul style="list-style-type: none"><li>▪ Pull stations located near stairwells, building exits, and nursing stations</li></ul></li><li>○ Contain the Fire<ul style="list-style-type: none"><li>▪ Close doors and windows</li></ul></li><li>○ Extinguish the Fire<ul style="list-style-type: none"><li>▪ Select appropriate extinguisher for fire class and use PASS procedure to extinguish</li><li>▪ Learner returns to topic selection</li></ul></li></ul></li><li>• Summary</li><li>• Final Evaluation</li></ul>
<i>Assessment Plan</i>	<ul style="list-style-type: none"><li>• 5 assessment questions (2 multiple response, 1 multiple choice, 1 sequencing, 1 matching)<ul style="list-style-type: none"><li>○ Which of the following are ways to reduce fire risks? Select all that apply.</li><li>○ There is a fire in the patient wing! Put these steps in the order they should be completed.</li><li>○ During a fire emergency, where can you find a pull station to activate the alarm? Select all that apply.</li><li>○ Which is the correct way to operate a fire extinguisher? Select the best choice.</li><li>○ Which fire extinguisher should you use for each fuel source below? Select the best choice from the drop-down lists.</li></ul></li><li>• Learner must score 80% to continue</li><li>• Unlimited attempts</li></ul>