

## Preventing Exposure to Blood-borne Pathogens—Design Document

<b>Business Purpose</b>	All employees at Nittany Mountain Hospital are required to complete Occupational Safety Training as part of their New Employee Orientation activities. For clinical laboratory staff who routinely handle patient samples, this training must address potentially hazardous infections they risk exposure to during their daily job duties. In this case, the focus is on infections caused by pathogens transmitted through contact with blood or other body fluids. Knowing the most likely places a worker could be exposed to a pathogen and what to do if a potential exposure occurs is essential to keeping all employees safe while working at this facility.
<b>Target Audience</b>	Newly hired technicians in the Phlebotomy Laboratory at Nittany Mountain Hospital
<b>Training Time</b>	Approximately 15 minutes
<b>Training Recommendation</b>	This module is part of a larger onboarding course for newly hired clinical laboratory technicians that covers multiple hazards and safety procedures for clinical laboratory technicians. An eLearning module makes the most sense, as new hires start employment at different times. Given that this is just a small portion of a larger training course, it should be limited in seat time to approximately 15 minutes. Using Rise 360 to build the module will allow for quick deployment to all new hires. In addition, it is responsive on multiple devices, so employees can view course material on phones, laptops, or other devices not only for onboarding training, but for quick review when on the job as well.
<b>Deliverables</b>	<ul style="list-style-type: none"><li>• 1 eLearning module<ul style="list-style-type: none"><li>◦ authored in Rise 360</li><li>◦ graded final assessment</li></ul></li></ul>
<b>Learning Objectives</b>	By the end of the course, learners should be able to: <ul style="list-style-type: none"><li>• List the three most common blood-borne pathogens you may encounter at work and the diseases they cause</li><li>• Describe how these pathogens are transmitted to humans</li><li>• List potential sources of exposure to these pathogens in the hospital</li><li>• Describe how you can keep yourself safe from blood-borne pathogens in the workplace</li></ul>
<b>Training Outline</b>	<ul style="list-style-type: none"><li>• <b>Introduction</b><ul style="list-style-type: none"><li>◦ Welcome</li><li>◦ Learning Objectives</li></ul></li><li>• <b>Topic: Blood-borne Pathogens of Concern</b><ul style="list-style-type: none"><li>◦ The three most common blood-borne pathogens</li></ul></li></ul>

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	<ul style="list-style-type: none"><li>- diseases each pathogen causes</li><li>- symptoms of diseases</li><li>• <b>Topic: Sources of Exposure</b><ul style="list-style-type: none"><li>◦ Prior Knowledge Check</li><li>◦ Body fluids that may contain blood-borne pathogens</li><li>◦ High-risk Situations that increase exposure risk</li></ul></li><li>• <b>Topic: Working Safely</b><ul style="list-style-type: none"><li>◦ Occupational Health and Safety (OSHA) Regulations and Universal Precaution</li><li>◦ Methods to Prevent Exposure<ul style="list-style-type: none"><li>- engineering controls</li><li>- work practices</li><li>- personal protective equipment</li></ul></li><li>◦ Process for Reporting a Potential Exposure</li></ul></li><li>• <b>Assessment</b><ul style="list-style-type: none"><li>◦ Quiz</li><li>◦ Results</li><li>◦ Congratulations</li></ul></li></ul>
<b>Assessment Plan</b>	<ul style="list-style-type: none"><li>• Final graded quiz<ul style="list-style-type: none"><li>◦ 5 questions</li><li>◦ variable question format</li><li>◦ learner must score 80% to pass</li><li>◦ unlimited attempts to pass</li></ul></li></ul>