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Executive Summary

Bloodborne Pathogens: Protecting Yourself on Campus e-Learning module Accessibility Conformance Report

Access Ingenuity's evaluation of the Bloodborne Pathogens: Protecting Yourself on Campus e-Learning module identified accessibility features and functionalities of the learning module. This evaluation provided the information required to assess the conformance of the Bloodborne Pathogens: Protecting Yourself on Campus e-Learning module with the Revised Section 508 Accessibility Standards. Although all authored controlled accessibility properties of the course have been addressed, due to limitations in the Storyline platform, Access Ingenuity concludes that the learning module *Partially Supports* the Revised Section 508 Standards.

The Information Technology Industry Council (ITIC) has published recommended language to be used in completing Accessibility Conformance Reports (ACRs) that has been designed to create simplicity and uniformity/consistency in ACRs presented by a variety of suppliers. In preparing the Bloodborne Pathogens: Protecting Yourself on Campus e-Learning module ACR, Access Ingenuity has used the ITIC-recommended *VPAT 2.4 508* format.

Based on this evaluation and on information published on the ITIC website (<http://www.itic.org>), Access Ingenuity presents the ACR for the Bloodborne Pathogens: Protecting Yourself on Campus e-Learning module on the following pages.

United Educators Accessibility Conformance Report

Revised Section 508 Edition

(Based on VPAT® Version 2.4)

Name of Product/Version: Bloodborne Pathogens: Protecting Yourself on Campus E-learning Module, accessed at:

<https://learningdesign.ue.org/Demos/BloodbornePathogens/story.html>

Report Date: August 26, 2022

Product Description: Web-based e-learning module on bloodborne pathogens.

Contact Information: accessibility@ue.org

Notes: The authoring tool used to create the Bloodborne Pathogens: Protecting Yourself on Campus Learning Module (Articulate Storyline) has some accessibility limitations which cannot be altered by course designers. United Educators has filed ongoing requests with Articulate to improve the accessibility of the tool and is providing users with accessibility instructions where necessary to mitigate the effects of these limitations.

Evaluation Methods Used:

Conformance to the listed accessibility standards was evaluated between August 11-25, 2022, using a combination of static analysis tools and manual testing with assistive technologies.

The evaluation was conducted in the following desktop operating systems and browser/screen reader combinations:

1. Windows 10:
 - a. Chrome Version 104/JAWS 2022
2. Mac OSX:
 - a. Safari/VoiceOver

The accessibility assessment was executed per the following steps:

- I. A sighted accessibility expert conducted an overall technical analysis to identify issues of technical compliance that would affect mobility impaired, deaf/hearing impaired and low vision users. The evaluator inspected the web pages using Chrome and the Chrome Developer tools as well as the axe DevTools plugin.
- II. Keyboard accessibility analysis (for mobility and physically challenged users) was conducted by attempting to thoroughly navigate the web pages through the keyboard, without using a mouse.
- III. The accessibility for low vision users was evaluated two ways: (1) using the resizing capability offered by the browser, and (2) using Colour Contrast Analyser (CCA) Version 3.1.2.
- IV. For deaf and hard-of-hearing users, the videos in the module were assessed for proper captioning.
- V. Screen reader testing was conducted by an expert screen reader user. The goal was to identify accessibility barriers that are likely to be experienced by users who are blind.

Any usability issues for users with disabilities encountered during the accessibility assessments were also noted.

Applicable Standards/Guidelines

This report covers the degree of conformance for the following accessibility standards/guidelines:

Standard/Guideline	Included In Report
Web Content Accessibility Guidelines 2.0	Level A (Yes) Level AA (Yes) Level AAA (No)

Standard/Guideline	Included In Report
Revised Section 508 standards published January 18, 2017, and corrected January 22, 2018	(Yes) The following Section 508 Sections apply and are included below: 302 Functional Performance Criteria 602 Support Documentation 603 Support Services

Terms

The terms used in the Conformance Level information are defined as follows:

- **Supports:** The functionality of the product has at least one method that meets the criterion without known defects or meets with equivalent facilitation.
- **Partially Supports:** Some functionality of the product does not meet the criterion.
- **Does Not Support:** The majority of product functionality does not meet the criterion.
- **Not Applicable:** The criterion is not relevant to the product.
- **Not Evaluated:** The product has not been evaluated against the criterion. This can be used only in WCAG 2.0 Level AAA.

WCAG 2.0 Report

Tables 1 and 2 also document conformance with Revised Section 508:

- Chapter 5 – 501.1 Scope, 504.2 Content Creation or Editing
- Chapter 6 – 602.3 Electronic Support Documentation

Note: When reporting on conformance with the WCAG 2.0 Success Criteria, they are scoped for full pages, complete processes, and accessibility-supported ways of using technology as documented in the [WCAG 2.0 Conformance Requirements](#).

Table 1: Success Criteria, Level A

Notes:

Criteria	Conformance Level	Remarks and Explanations
<p><u>1.1.1 Non-text Content</u> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports	The Bloodborne Pathogens: Protecting Yourself on Campus e-Learning module provides alternative text where necessary for users of assistive technology, as well as accessible button and link labeling.
<p><u>1.2.1 Audio-only and Video-only (Prerecorded)</u> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Not Applicable	There is no non-live audio-only or video-only content in the module.
<p><u>1.2.2 Captions (Prerecorded)</u> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports	All non-live, web-based video content in the Bloodborne Pathogens: Protecting Yourself on Campus e-Learning module has synchronized captions available.
<p><u>1.2.3 Audio Description or Media Alternative (Prerecorded)</u> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports	All non-live, web-based video content in the Bloodborne Pathogens: Protecting Yourself on Campus e-Learning module has descriptive text transcripts and audio descriptions available.
<p><u>1.3.1 Info and Relationships</u> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) 	Supports	All visual structure and relationship information is provided through object information or is available in text.

Criteria	Conformance Level	Remarks and Explanations
<ul style="list-style-type: none"> • 504.2 (Authoring Tool) • 602.3 (Support Docs) 		
<p><u>1.3.2 Meaningful Sequence</u> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports	The markup of the Bloodborne Pathogens: Protecting Yourself on Campus e-Learning module enables the reading and navigation order to be logical and intuitive.
<p><u>1.3.3 Sensory Characteristics</u> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports	Instructions in the Bloodborne Pathogens: Protecting Yourself on Campus e-Learning module do not rely on shape, size, visual location or sound.
<p><u>1.4.1 Use of Color</u> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports	Throughout the Bloodborne Pathogens: Protecting Yourself on Campus e-learning module, color alone is not used as the sole method of conveying content or distinguishing visual elements.
<p><u>1.4.2 Audio Control</u> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports	There is no automatically playing audio in the Bloodborne Pathogens: Protecting Yourself on Campus e-Learning module.
<p><u>2.1.1 Keyboard</u> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports	All functionality in the Bloodborne Pathogens: Protecting Yourself on Campus e-Learning module is available to keyboard-only users using standard keyboard navigation and input functions.

Criteria	Conformance Level	Remarks and Explanations
<p><u>2.1.2 No Keyboard Trap</u> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports	Keyboard focus is never locked or trapped at any page element in the Bloodborne Pathogens: Protecting Yourself on Campus e-Learning module.
<p><u>2.2.1 Timing Adjustable</u> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports	The Bloodborne Pathogens: Protecting Yourself on Campus e-Learning module is not timed at any point.
<p><u>2.2.2 Pause, Stop, Hide</u> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports	There is no automatically moving content the Bloodborne Pathogens: Protecting Yourself on Campus e-Learning module.
<p><u>2.3.1 Three Flashes or Below Threshold</u> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports	There is no flashing content in the Bloodborne Pathogens: Protecting Yourself on Campus e-Learning module.
<p><u>2.4.1 Bypass Blocks</u> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) – Does not apply to non-web software • 504.2 (Authoring Tool) • 602.3 (Support Docs) – Does not apply to non-web docs 	Supports	<p>The Bloodborne Pathogens: Protecting Yourself on Campus e-Learning module provides a “Skip Navigation” link to skip navigation elements on every screen.</p> <p>The module also has a main landmark region on every screen as an alternative to the skip link.</p>

Criteria	Conformance Level	Remarks and Explanations
<p><u>2.4.2 Page Titled</u> (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports	The Bloodborne Pathogens: Protecting Yourself on Campus e-Learning module has a descriptive and informative page title and unique slide titles.
<p><u>2.4.3 Focus Order</u> (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Partially Supports	The Bloodborne Pathogens: Protecting Yourself on Campus e-Learning module has a logical navigation order for its interactive elements, with one exception: <ul style="list-style-type: none"> • When tooltips are dismissed, focus is not returned to the activating element.
<p><u>2.4.4 Link Purpose (In Context)</u> (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports	The purpose of links in the Bloodborne Pathogens: Protecting Yourself on Campus e-Learning module are adequately identified.
<p><u>3.1.1 Language of Page</u> (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports	The language of the Bloodborne Pathogens: Protecting Yourself on Campus module is appropriately identified.
<p><u>3.2.1 On Focus</u> (Level A) Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports	When focus changes on the Bloodborne Pathogens: Protecting Yourself on Campus module, this does not ever cause a change in page content, spawn a new browser window, or cause any other change that disorients the user.
<p><u>3.2.2 On Input</u> (Level A) Also applies to:</p>	Partially Supports	When a user inputs information or interacts with a form control in the Bloodborne

Criteria	Conformance Level	Remarks and Explanations
Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 		Pathogens: Protecting Yourself on Campus e-Learning module, this does not result in a change in the page content, change focus, launch an additional window, or otherwise disorient the user, with one exception: <ul style="list-style-type: none"> • When modals are dismissed, focus is not returned to the activating element.
<u>3.3.1 Error Identification</u> (Level A) Also applies to: Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports	Adequate error identification is provided when forms are submitted without selecting a value(s) in the Bloodborne Pathogens: Protecting Yourself on Campus e-Learning module.
<u>3.3.2 Labels or Instructions</u> (Level A) Also applies to: Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports	The Bloodborne Pathogens: Protecting Yourself on Campus e-Learning module has sufficient labels, cues, and instructions for required interactive elements.
<u>4.1.1 Parsing</u> (Level A) Also applies to: Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports	Significant parsing errors are avoided in the Bloodborne Pathogens: Protecting Yourself on Campus e-Learning module.
<u>4.1.2 Name, Role, Value</u> (Level A) Also applies to: Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Partially Supports	Markup in the Bloodborne Pathogens: Protecting Yourself on Campus e-Learning module facilitates accessibility, with the following exceptions: <ul style="list-style-type: none"> • State of the Play/Pause button on the video control panel does update once a selection has been made.

Criteria	Conformance Level	Remarks and Explanations
		<ul style="list-style-type: none"> When buttons are activated to show new content, screen reader users hear no feedback that the state of the button has changed and that the new content is now visible.

Table 2: Success Criteria, Level AA

Notes:

Criteria	Conformance Level	Remarks and Explanations
<p><u>1.2.4 Captions (Live)</u> (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	Not Applicable	There is no live multimedia content in the Bloodborne Pathogens: Protecting Yourself on Campus e-Learning module.
<p><u>1.2.5 Audio Description (Prerecorded)</u> (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	Supports	Audio descriptions are provided for videos in the Bloodborne Pathogens: Protecting Yourself on Campus e-Learning module.
<p><u>1.4.3 Contrast (Minimum)</u> (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	Supports	All text in the in the Bloodborne Pathogens: Protecting Yourself on Campus e-Learning module meets minimum contrast requirement.
<p><u>1.4.4 Resize text</u> (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> 501 (Web)(Software) 	Supports	The module content is readable and functional when the page is zoomed to 200%.

Criteria	Conformance Level	Remarks and Explanations
<ul style="list-style-type: none"> 504.2 (Authoring Tool) 602.3 (Support Docs) 		
<p><u>1.4.5 Images of Text</u> (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	Supports	All content within the slides in the in the Bloodborne Pathogens: Protecting Yourself on Campus e-Learning module is presented an accessible SVG that can be adjusted to modify the text presentation.
<p><u>2.4.5 Multiple Ways</u> (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> 501 (Web)(Software) – Does not apply to non-web software 504.2 (Authoring Tool) 602.3 (Support Docs) – Does not apply to non-web docs 	Not Applicable	Progress through the module is sequential, so users can only navigate the course using the previous and next buttons on each slide.
<p><u>2.4.6 Headings and Labels</u> (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	Supports	The in the Bloodborne Pathogens: Protecting Yourself on Campus e-Learning module has informative page headings and labels.
<p><u>2.4.7 Focus Visible</u> (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	Supports	The Bloodborne Pathogens: Protecting Yourself on Campus e-Learning module has a focus indicator on all page elements
<p><u>3.1.2 Language of Parts</u> (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> 501 (Web)(Software) 	Supports	The content in the in the Bloodborne Pathogens: Protecting Yourself on Campus e-Learning module is only delivered in one language.

Criteria	Conformance Level	Remarks and Explanations
<ul style="list-style-type: none"> • 504.2 (Authoring Tool) • 602.3 (Support Docs) 		
<p><u>3.2.3 Consistent Navigation</u> (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) – Does not apply to non-web software • 504.2 (Authoring Tool) • 602.3 (Support Docs) – Does not apply to non-web docs 	Supports	The navigation of Bloodborne Pathogens: Protecting Yourself on Campus e-Learning module is in the same relative order to the main content across all screens of the module.
<p><u>3.2.4 Consistent Identification</u> (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) – Does not apply to non-web software • 504.2 (Authoring Tool) • 602.3 (Support Docs) – Does not apply to non-web docs 	Supports	Components that have the same function across multiple screens of the Bloodborne Pathogens: Protecting Yourself on Campus e-Learning module are labeled consistently.
<p><u>3.3.3 Error Suggestion</u> (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Supports	The Bloodborne Pathogens: Protecting Yourself on Campus e-Learning module has timely and accessible error suggestions when an error has been made in a knowledge check question.
<p><u>3.3.4 Error Prevention (Legal, Financial, Data)</u> (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Not Applicable	The Bloodborne Pathogens: Protecting Yourself on Campus e-Learning module does not collect data or record scores.

Revised Section 508 Report

Notes: Chapters 4 and 5 tables were removed as they do not apply to web-based products.

Chapter 3: Functional Performance Criteria (FPC)

Notes:

Criteria	Conformance Level	Remarks and Explanations
302.1 Without Vision	Partially Supports	When modals are dismissed, focus is not returned to the activating element. State of the Play/Pause button on the video control panel does update once a selection has been made.
302.2 With Limited Vision	Supports	All visual content in Bloodborne Pathogens: Protecting Yourself on Campus e-learning module can be enlarged using zoom features.
302.3 Without Perception of Color	Supports	All visual content in the Bloodborne Pathogens: Protecting Yourself on Campus e-learning module has sufficient color contrast.
302.4 Without Hearing	Supports	All audio content in the Bloodborne Pathogens: Protecting Yourself on Campus e-Learning module has captions.
302.5 With Limited Hearing	Supports	All audio content in the Bloodborne Pathogens: Protecting Yourself on Campus e-Learning module has captions.
302.6 Without Speech	Not Applicable	The Bloodborne Pathogens: Protecting Yourself on Campus e-

Criteria	Conformance Level	Remarks and Explanations
		Learning module does not require speech input.
302.7 With Limited Manipulation	Supports	All functionality with the Bloodborne Pathogens: Protecting Yourself on Campus e-Learning module is available to users using pointing devices and there are no elements which require fine motor controls or simultaneous actions. Content is also accessible to keyboard-only users using standard keyboard navigation and input functions.
302.8 With Limited Reach and Strength	Not Applicable	Use of the Bloodborne Pathogens: Protecting Yourself on Campus e-Learning module does not require reach and strength beyond keyboard input.
302.9 With Limited Language, Cognitive, and Learning Abilities	Supports	The Bloodborne Pathogens: Protecting Yourself on Campus e-Learning module is not timed at any point and allows users to self-pace their learning.

Chapter 6: [Support Documentation and Services](#)

Notes:

Criteria	Conformance Level	Remarks and Explanations
601.1 Scope	Heading cell – no response required	Heading cell – no response required

Criteria	Conformance Level	Remarks and Explanations
<u>602 Support Documentation</u>	Heading cell – no response required	Heading cell – no response required
602.2 Accessibility and Compatibility Features	Supports	The Bloodborne Pathogens: Protecting Yourself on Campus e-Learning module includes built-in accessibility features that are compatible with assistive technology and there is documentation available to course participants documenting what these features are and how to access them.
602.3 Electronic Support Documentation	See <u>WCAG 2.0</u> section	See information in WCAG 2.0 section
602.4 Alternate Formats for Non-Electronic Support Documentation	Not Applicable	The documentation will only be available in an accessible electronic format.
<u>603 Support Services</u>	Heading cell – no response required	Heading cell – no response required
603.2 Information on Accessibility and Compatibility Features	Supports	United Educators will share the results of the Bloodborne Pathogens: Protecting Yourself on Campus e-Learning module ACR upon request. It can also be accessed at https://learningdesign.ue.org/VPATs/BloodbornePathogens/Bloodborne_Pathogens_VPAT_REV1.0.pdf
603.3 Accommodation of Communication Needs	Supports	Support services for the Bloodborne Pathogens: Protecting Yourself on Campus e-Learning module can accommodate the communication needs of end-users with disabilities.