

# Elsevier Accessibility Conformance Report

## Revised Section 508 Edition

(Based on VPAT® Version 2.4)

**Name of Product/Version: 3D4Medical Complete Anatomy (Windows App) V 8.0.0**

**Report Date: 9 September 2021 (Original)**  
**26 May 2022 (Revised)**

**Product Description: A 3D Platform to learn human anatomy with courses, interactive models, and detailed descriptions of structures.**

**Contact Information: [accessibility@elsevier.com](mailto:accessibility@elsevier.com)**

### **Notes:**

**Evaluation Methods Used:** Microsoft Accessibility Insights, Keyboard, JAWS, NVDA. Windows High Contrast Settings.

Ibm Able Requirements <https://www.ibm.com/able/requirements/requirements/>

US AccessBoard Site <https://www.access-board.gov/ict/>

W3C WCAG <https://www.w3.org/TR/WCAG20/#>

## Applicable Standards/Guidelines

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

Standard/Guideline	Included In Report
<a href="#">Web Content Accessibility Guidelines 2.0</a>	Level A (Yes) Level AA (Yes) Level AAA (No)
<a href="#">Revised Section 508 standards published January 18, 2017 and corrected January 22, 2018</a>	(Yes)

## 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><b>1.1.1 Non-text Content</b> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>• 501 (Web)(Software)</li> <li>• 504.2 (Authoring Tool)</li> <li>• 602.3 (Support Docs)</li> </ul>	<p><b>Partially Supports</b></p>	<p><b>Supporting Remarks:</b> Many content images have rich descriptions, such as “Sagittal contrast enhanced CT through the thorax, from right to left (1 of 8)”. Example description: This is the first of eight sagittal CT images through the thorax, presented from right to left. This image provides a window into the right lung, and the bronchial branches of the right pulmonary artery can be observed.</p> <p><b>Exceptions:</b> There is not text equivalent to identify the numbered pins pointing out structures such as in the Right coronaryangiogram. Some of the UI buttons are not labelled such as the magnifying glass and the hide/show for content descriptions.</p>
<p><b>1.2.1 Audio-only and Video-only (Prerecorded)</b> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>• 501 (Web)(Software)</li> <li>• 504.2 (Authoring Tool)</li> <li>• 602.3 (Support Docs)</li> </ul>	<p><b>Does not Support</b></p>	<p>Videos such as “Rectus Abdominis Muscle &gt; Waist Stretch – Prone”, do not provide any audio description nor media alternative.</p>
<p><b>1.2.2 Captions (Prerecorded)</b> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>• 501 (Web)(Software)</li> <li>• 504.2 (Authoring Tool)</li> <li>• 602.3 (Support Docs)</li> </ul>	<p><b>Partially Supports</b></p>	<p><b>Supporting Remarks:</b> Videos of surgeons performing dissections provide Open Captions, such as in “Library &gt; Content &gt; Inguinal Canal”.</p> <p><b>Exceptions:</b> Videos in Courses made on the platform before 2021 provide a narration, but videos are not Closed</p>

Criteria	Conformance Level	Remarks and Explanations
<p><a href="#">1.2.3 Audio Description or Media Alternative (Prerecorded)</a> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>• 501 (Web)(Software)</li> <li>• 504.2 (Authoring Tool)</li> <li>• 602.3 (Support Docs)</li> </ul>	<b>Does Not Support</b>	<p>Captioned.</p> <p>Videos such as “Cholesterol” provide animated models of the heart pumping blood and cells with cholesterol and plaque build-up. There is no audio description of the visual scene other than the narration.</p>
<p><a href="#">1.3.1 Info and Relationships</a> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>• 501 (Web)(Software)</li> <li>• 504.2 (Authoring Tool)</li> <li>• 602.3 (Support Docs)</li> </ul>	<b>Does Not Support</b>	<p>The overall system state is not obvious as visually hidden buttons and menu items are still announced to assistive technologies such as screen readers. Additionally, there is not enough semantic structure to provide a meaningful non-visual user interface (e.g. screen reader experience).</p> <p><b>Supporting Remarks:</b> Some content is identified in semantically meaningful ways. For instance, the Curriculum Manager provides a topics/cards which are coded as lists of buttons.</p> <p><b>Exceptions:</b> The relationships between the cards/panes and menu or pane is not programmatically set. Also, the purpose and headings of each functional area of the screen is not apparent or labelled in a meaningful way. Overall the UI components are all a flat list of text and buttons under the pane: ‘Web3D4MEngine’.</p>
<p><a href="#">1.3.2 Meaningful Sequence</a> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>• 501 (Web)(Software)</li> <li>• 504.2 (Authoring Tool)</li> <li>• 602.3 (Support Docs)</li> </ul>	<b>Does Not Support</b>	<p>Overall, the content does not make sense to assistive technology because all the underlying UI nav content is read regardless of whether visible. Also, the lack of semantic structure means that menus, buttons, and other items are intermingled with text content, unlabeled graphics, and callouts.</p>
<p><a href="#">1.3.3 Sensory Characteristics</a> (Level A)</p>	<b>Supports</b>	<p>There are no instructions that rely on sensory</p>

Criteria	Conformance Level	Remarks and Explanations
<p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>• 501 (Web)(Software)</li> <li>• 504.2 (Authoring Tool)</li> <li>• 602.3 (Support Docs)</li> </ul>		<p>characteristics such as size, shape, color, or location.</p>
<p><b>1.4.1 Use of Color</b> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>• 501 (Web)(Software)</li> <li>• 504.2 (Authoring Tool)</li> <li>• 602.3 (Support Docs)</li> </ul>	<p><b>Partially Supports</b></p>	<p><b>Supporting Remarks:</b> White color identifies selected test buttons/modes such as Library main navigation links and bottom row layer toggles. The links of selected buttons is also bold. Green color fill is used to identify selected numbered pins on models. There is also a pane with text to show and describe the currently active pin.</p> <p><b>Exceptions:</b> Colors are used to identify parts of the anatomy (e.g. femur) in models. While the pane on the left identifies the selected anatomy with text descriptions, the main model only uses a color fill, e.g. bright green.</p>
<p><b>1.4.2 Audio Control</b> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>• 501 (Web)(Software)</li> <li>• 504.2 (Authoring Tool)</li> <li>• 602.3 (Support Docs)</li> </ul>	<p><b>Supports</b></p>	<p>There is no video/audio content that plays automatically.</p>
<p><b>2.1.1 Keyboard</b> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>• 501 (Web)(Software)</li> <li>• 504.2 (Authoring Tool)</li> <li>• 602.3 (Support Docs)</li> </ul>	<p><b>Partially Supports</b></p>	<p>Some of the user interface can be operated using keyboard input.</p> <p><b>Supporting Remarks:</b> Models can be zoomed, rotated, and panned using arrow keys. The Models panel contains menu items and tabs which can be navigated using tab key and enter or space bar to select items. The Models panel can be</p>

Criteria	Conformance Level	Remarks and Explanations
		<p>closed using the escape key.</p> <p><b>Exceptions:</b> User interface areas which do not support keyboard include tabbing around and accessing panes, redeeming codes, save screens, and navigating the search interface.</p>
<p><a href="#">2.1.2 No Keyboard Trap</a> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>• 501 (Web)(Software)</li> <li>• 504.2 (Authoring Tool)</li> <li>• 602.3 (Support Docs)</li> </ul>	<b>Supports</b>	The tester found no keyboard traps.
<p><a href="#">2.2.1 Timing Adjustable</a> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>• 501 (Web)(Software)</li> <li>• 504.2 (Authoring Tool)</li> <li>• 602.3 (Support Docs)</li> </ul>	<b>Supports</b>	There is not any session timeout for Complete Anatomy.
<p><a href="#">2.2.2 Pause, Stop, Hide</a> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>• 501 (Web)(Software)</li> <li>• 504.2 (Authoring Tool)</li> <li>• 602.3 (Support Docs)</li> </ul>	<b>Supports</b>	<p>There is no blinking or auto scrolling content.</p> <p><b>Supporting Remarks:</b> When the Beating Heart has been activated in Settings &gt; Preferences models with the heart show moving and auto-updating information.</p> <p>This can be turned off in Settings globally. Or users can double-tapping or double clicking any part of the heart to stop the beating motion.</p>
<p><a href="#">2.3.1 Three Flashes or Below Threshold</a> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>• 501 (Web)(Software)</li> <li>• 504.2 (Authoring Tool)</li> <li>• 602.3 (Support Docs)</li> </ul>	<b>Supports</b>	There are no flashing screens/content.

Criteria	Conformance Level	Remarks and Explanations
<p><a href="#">2.4.1 Bypass Blocks</a> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>• 501 (Web)(Software) – Does not apply to non-web software</li> <li>• 504.2 (Authoring Tool)</li> <li>• 602.3 (Support Docs) – Does not apply to non-web docs</li> </ul>	<b>Not Applicable</b>	This VPAT reports on the Windows app which is non-web software
<p><a href="#">2.4.2 Page Titled</a> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>• 501 (Web)(Software)</li> <li>• 504.2 (Authoring Tool)</li> <li>• 602.3 (Support Docs)</li> </ul>	<b>Does Not Support</b>	The application frame title bar always shows: “Complete Anatomy”. It does not show the current topic, model, or page users are on.
<p><a href="#">2.4.3 Focus Order</a> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>• 501 (Web)(Software)</li> <li>• 504.2 (Authoring Tool)</li> <li>• 602.3 (Support Docs)</li> </ul>	<b>Does Not Support</b>	Due to lack of keyboard support and focus visible, the Focus Order is not apparent/obvious.
<p><a href="#">2.4.4 Link Purpose (In Context)</a> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>• 501 (Web)(Software)</li> <li>• 504.2 (Authoring Tool)</li> <li>• 602.3 (Support Docs)</li> </ul>	<b>Supports</b>	<p>The purpose of links overall can be determined by the link text.</p> <p><b>Supporting Remarks:</b> Videos, e.g. “Anesthesia 04a-Interscalene Triangle” provide a description of the video topic and have an adjacent activated navigation button “Videos”. Links to various areas of the system are described by the link text, e.g. “Go to Curriculum Manager”.</p>
<p><a href="#">3.1.1 Language of Page</a> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>• 501 (Web)(Software)</li> <li>• 504.2 (Authoring Tool)</li> <li>• 602.3 (Support Docs)</li> </ul>	<b>Does Not Support</b>	Complete Anatomy allows users to change language to English, Spanish, and Chinese Simplified. However, JAWS nor NVDA readers speak the correct pronunciation and accents.

Criteria	Conformance Level	Remarks and Explanations
<p><a href="#">3.2.1 On Focus</a> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>• 501 (Web)(Software)</li> <li>• 504.2 (Authoring Tool)</li> <li>• 602.3 (Support Docs)</li> </ul>	<b>Supports</b>	Components that receive focus such as the search box or the enter redemption code do not initiate a change in context.
<p><a href="#">3.2.2 On Input</a> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>• 501 (Web)(Software)</li> <li>• 504.2 (Authoring Tool)</li> <li>• 602.3 (Support Docs)</li> </ul>	<b>Supports</b>	Changing the setting of any user interface component does not automatically cause a change of context
<p><a href="#">3.3.1 Error Identification</a> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>• 501 (Web)(Software)</li> <li>• 504.2 (Authoring Tool)</li> <li>• 602.3 (Support Docs)</li> </ul>	<b>Does not Support</b>	Dynamic error messages such as on change password screen are not announced to assistive technology.
<p><a href="#">3.3.2 Labels or Instructions</a> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>• 501 (Web)(Software)</li> <li>• 504.2 (Authoring Tool)</li> <li>• 602.3 (Support Docs)</li> </ul>	<b>Partially Supports</b>	<p><b>Supporting Remarks:</b> Old Password and New Password are labelled in a way that screen readers including JAWS announce.</p> <p><b>Exceptions:</b> Password requirements are not associated correctly with the password input form labels. Redeem code text inputs are not labelled.</p>
<p><a href="#">4.1.1 Parsing</a> (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>• 501 (Web)(Software)</li> <li>• 504.2 (Authoring Tool)</li> <li>• 602.3 (Support Docs)</li> </ul>	<b>Not Tested</b>	Unknown how to test a Window application for Parsing.
<p><a href="#">4.1.2 Name, Role, Value</a> (Level A)</p>	<b>Partially Supports</b>	See sections below on Object Information and Values

Criteria	Conformance Level	Remarks and Explanations
Also applies to: Revised Section 508 <ul style="list-style-type: none"> <li>• 501 (Web)(Software)</li> <li>• 504.2 (Authoring Tool)</li> <li>• 602.3 (Support Docs)</li> </ul>		

## Table 2: Success Criteria, Level AA

Notes:

Criteria	Conformance Level	Remarks and Explanations
<b><a href="#">1.2.4 Captions (Live)</a></b> (Level AA) Also applies to: Revised Section 508 <ul style="list-style-type: none"> <li>• 501 (Web)(Software)</li> <li>• 504.2 (Authoring Tool)</li> <li>• 602.3 (Support Docs)</li> </ul>	<b>Supports</b>	There is no live video content where captions would apply.
<b><a href="#">1.2.5 Audio Description (Prerecorded)</a></b> (Level AA) Also applies to: Revised Section 508 <ul style="list-style-type: none"> <li>• 501 (Web)(Software)</li> <li>• 504.2 (Authoring Tool)</li> <li>• 602.3 (Support Docs)</li> </ul>	<b>Does Not Support</b>	Videos such as Cholesterol provide animated models of the heart pumping blood and cells with cholesterol and plaque build-up. There is no audio description of the visual scene other than the narration.
<b><a href="#">1.4.3 Contrast (Minimum)</a></b> (Level AA) Also applies to: Revised Section 508 <ul style="list-style-type: none"> <li>• 501 (Web)(Software)</li> <li>• 504.2 (Authoring Tool)</li> <li>• 602.3 (Support Docs)</li> </ul>	<b>Partially Supports</b>	<b>Supporting Remarks:</b> Activated (clicked on) Text Boxes of anatomical structures (White Text on Gray background). White text on black background (in dark mode), such as for main navigation bars and structure toggles.  <b>Note:</b> There is a dark mode color scheme that can be activated under Settings > Preferences.

Criteria	Conformance Level	Remarks and Explanations
		<p><b>Exceptions:</b>            These color combinations fail 4.5:1 minimum ratio:            Gray text on green background.            White text on mint green background. (Welcome screen buttons).            Gray text on dark Gray background (View Screen Mode, esp. text blocks which haven't been placed on models).            Password requirement text (gray on white).            In light mode: All gray text on gray background for main nav bars. Also, select language drop down - Gray text of selected item on dark gray background.</p>
<p><a href="#">1.4.4 Resize text</a> (Level AA)            Also applies to:            Revised Section 508</p> <ul style="list-style-type: none"> <li>• 501 (Web)(Software)</li> <li>• 504.2 (Authoring Tool)</li> <li>• 602.3 (Support Docs)</li> </ul>	<p><b>Partially Supports</b></p>	<p><b>Supporting Remarks:</b>            Tested using Windows settings: Display &gt; Make Text Bigger &gt; 200%. At text size 200% most of Complete Anatomy remains functional including the interactive models and ability to go between models and turn on/off layers. The video content also works fine and scales well.</p> <p><b>Exceptions:</b>            At 200% the Hub/Welcome screen truncates the 2<sup>nd</sup> row/bottom row of buttons so that only the icons and not the labels are visible. The library &gt; content screen with all the tiles is functional, however the text labels are truncated and do not always display enough text to describe the topic. The model screen right side truncates the tips (bottom) button.</p>
<p><a href="#">1.4.5 Images of Text</a> (Level AA)            Also applies to:            Revised Section 508</p> <ul style="list-style-type: none"> <li>• 501 (Web)(Software)</li> <li>• 504.2 (Authoring Tool)</li> <li>• 602.3 (Support Docs)</li> </ul>	<p><b>Supports</b></p>	<p>All displayed text appears to be within Text elements or button elements.</p>

Criteria	Conformance Level	Remarks and Explanations
<p><b><u>2.4.5 Multiple Ways</u></b> (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>• 501 (Web)(Software) – Does not apply to non-web software</li> <li>• 504.2 (Authoring Tool)</li> <li>• 602.3 (Support Docs) – Does not apply to non-web docs</li> </ul>	<b>Not Applicable</b>	This VPAT reports on the Windows app which is non-web software
<p><b><u>2.4.6 Headings and Labels</u></b> (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>• 501 (Web)(Software)</li> <li>• 504.2 (Authoring Tool)</li> <li>• 602.3 (Support Docs)</li> </ul>	<b>Partially Supports</b>	<p><b>Supporting Remarks:</b> Main System areas such as Courses, Content, Atlas, Videos, and Radiology are clear and descriptive. Each course lecture is labelled with a clear and descriptive text.</p> <p><b>Note:</b> There are not programmatically determinable headings in the system.</p>
<p><b><u>2.4.7 Focus Visible</u></b> (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>• 501 (Web)(Software)</li> <li>• 504.2 (Authoring Tool)</li> <li>• 602.3 (Support Docs)</li> </ul>	<b>Partially Supports</b>	<p>Most of the functionality does not support visible focus.</p> <p><b>Supporting Remarks:</b> The models panel including tabs and menu items provide a light blue focus ring. The new features overlay provides a light blue focus ring for keyboard operable elements.</p>
<p><b><u>3.1.2 Language of Parts</u></b> (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>• 501 (Web)(Software)</li> <li>• 504.2 (Authoring Tool)</li> <li>• 602.3 (Support Docs)</li> </ul>	<b>Supports</b>	Complete Anatomy content is all in the selected language (English, Spanish, Chinese Simplified) with no content language changes.

Criteria	Conformance Level	Remarks and Explanations
<p><a href="#">3.2.3 Consistent Navigation</a> (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>• 501 (Web)(Software) – Does not apply to non-web software</li> <li>• 504.2 (Authoring Tool)</li> <li>• 602.3 (Support Docs) – Does not apply to non-web docs</li> </ul>	<b>Not Applicable</b>	This VPAT reports on the Windows app which is non-web software
<p><a href="#">3.2.4 Consistent Identification</a> (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>• 501 (Web)(Software) – Does not apply to non-web software</li> <li>• 504.2 (Authoring Tool)</li> <li>• 602.3 (Support Docs) – Does not apply to non-web docs</li> </ul>	<b>Not Applicable</b>	This VPAT reports on the Windows app which is non-web software
<p><a href="#">3.3.3 Error Suggestion</a> (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>• 501 (Web)(Software)</li> <li>• 504.2 (Authoring Tool)</li> <li>• 602.3 (Support Docs)</li> </ul>	<b>Supports</b>	<p><b>Supporting Remarks:</b></p> <p>When users type in a search or specialty area, the system pulls from a database to return possible valid topics.</p> <p>When attempting to change a password the system provides red colored feedback such as “This password is too short. It must contain at least 8 characters”.</p> <p>When entering a 12-digit redemption code, the system displays a message that indicates when redemption codes are invalid and to try again or contact customer service.</p>
<p><a href="#">3.3.4 Error Prevention (Legal, Financial, Data)</a> (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> <li>• 501 (Web)(Software)</li> <li>• 504.2 (Authoring Tool)</li> <li>• 602.3 (Support Docs)</li> </ul>	<b>Supports</b>	<p><b>Supporting Remarks:</b></p> <p>Users can change personal details such as name, institution, biography.</p>

# Revised Section 508 Report

Notes:

## Chapter 3: [Functional Performance Criteria \(FPC\)](#)

Notes:

Criteria	Conformance Level	Remarks and Explanations
302.1 Without Vision	<b>Does not Support</b>	The lack of keyboard support, and object/UI information would make it difficult to use Complete Anatomy without vision.
302.2 With Limited Vision	<b>Partially Supports</b>	Someone could successfully use Complete Anatomy with screen magnification. <b>Note:</b> There is a dark mode color scheme that can be activated under Settings > Preferences. People who mostly rely on screen readers would have trouble.
302.3 Without Perception of Color	<b>Supports</b>	The app overall does not rely on color perception. The models themselves are using color to depict the main layers (e.g. blue=Venous/veins, red=Arterial/arteries). These structures will be less apparent if someone cannot perceive color.
302.4 Without Hearing	<b>Partially Supports</b>	Complete Anatomy videos created after 2021 provide synchronized closed captions to help someone understand spoken content.
302.5 With Limited Hearing	<b>Partially Supports</b>	Some Complete Anatomy videos provide synchronized closed captions to help someone understand spoken content. Additionally, videos provide volume

Criteria	Conformance Level	Remarks and Explanations
		controls.
302.6 Without Speech	<b>Supports</b>	Complete Anatomy does not require speech to use.
302.7 With Limited Manipulation	<b>Does not Support</b>	The use of a mouse or tablet is necessary to perform fine adjustments to turn on/off layers, to select parts of structures and rotate and pane anatomical images. Note: Keyboard users can rotate, pan, and zoom models using the arrow keys.
302.8 With Limited Reach and Strength	<b>Not Applicable</b>	Complete Anatomy does not require reach nor strength to use as it is a software application used on a Windows machine.
302.9 With Limited Language, Cognitive, and Learning Abilities	<b>Does not Support</b>	Complete Anatomy does not provide specific modes for people with limited cognitive, language, and learning abilities.

## Chapter 5: [Software](#)

Notes:

Criteria	Conformance Level	Remarks and Explanations
501.1 Scope – Incorporation of WCAG 2.0 AA	See <a href="#">WCAG 2.0</a> section	See information in WCAG 2.0 section
<b><a href="#">502 Interoperability with Assistive Technology</a></b>	Heading cell – no response required	Heading cell – no response required
502.2.1 User Control of Accessibility Features	<b>Not Applicable</b>	Complete Anatomy is a Windows app, not a platform software/Operating system.
502.2.2 No Disruption of Accessibility Features	<b>Supports</b>	Complete Anatomy does not disrupt any Windows accessibility features such as keyboard shortcuts.
<b><a href="#">502.3 Accessibility Services</a></b>	Heading cell – no response required	Heading cell – no response required
502.3.1 Object Information	<b>Partially Supports</b>	<b>Supporting Remarks:</b> Buttons on the welcome (Hub) screen such as Content and Radiology have ControlType=Button, a meaningful name,

Criteria	Conformance Level	Remarks and Explanations
		<p>and a bounding rectangle.  Top nav tabs (Courses, Content, Atlas, etc.) have proper ControlType=Button and names matching the visual text.</p> <p><b>Exceptions:</b>  Green/three white dots menu buttons on the Library tiles are buttons with bounding rectangles but do not have meaningful names, e.g. the title 01.01 – Review of Anatomical Position. The copy link, edit, delete (white icons) do not have proper button controlType nor names. Left side tabs such as Stretches, Cross-Sections, Motion have proper text but are incorrectly done as text roles.  Within the model viewer (e.g. skeleton) the main pane, home button, and undo button are all one controlType=Pane with name=Web3d4MEngine.  There are some visually hidden sliders and a button on the model screen which a screen reader can get to but have no apparent function.</p>
502.3.2 Modification of Object Information	<b>Does Not Support</b>	Overall, it would be difficult to modify data using a screen reader. For example, to modify an input like the 12-digit redemption code or change one's Password. This is because the text inputs do not have name attributes and focus management isn't maintained in a logical way/meaningful way.
502.3.3 Row, Column, and Headers	<b>Does Not Support</b>	On the Store page there is a data table showing versions and features mapping.

Criteria	Conformance Level	Remarks and Explanations
		The text items are not semantically identified in a table structure.
502.3.4 Values	<b>Does Not Support</b>	Overall values of selected items such as buttons, checkboxes, and sliders are not communicated to assistive technology. Video scrubber does not communicate the value of elapsed time in the video. Volume button does not indicate volume level. Radio buttons such as play speed do not indicate when items are selected/checked. Part of the issue is that these items are all button roles/elements.
502.3.5 Modification of Values	<b>Partially Supports</b>	<p><b>Supporting Remarks:</b> Using a screen reader, users can modify basic text inputs such as Name on Update your profile in addition to the 12 digit code inputs on Redeem Code. Users can also modify selected email preferences using the checkboxes.</p> <p><b>Exceptions:</b> Combo boxes and other widgets are not available to assistive tech. Such as Which describes you best combo box on Update your Profile. In addition, buttons in the model such as layers (bottom row) and nav bar (top right) do not activate with JAWS nor NVDA readers. And the active buttons (model layers) do not communicate current value to assistive technology.</p>
502.3.6 Label Relationships	<b>Does Not Support</b>	Label relationships are not present in Complete Anatomy. Inputs with controlType=edit do not have an

Criteria	Conformance Level	Remarks and Explanations
		associated label relationship with the relevant visible text.
502.3.7 Hierarchical Relationships	<b>Partially Supports</b>	<p><b>Exceptions:</b> Overall the UI components are all a flat list of text and buttons under the pane: 'Web3D4MEngine'. There is not any appropriately labelled groups of items for welcome screen buttons, sort content radio buttons. There are not programmatically determinable headings in the system.</p> <p><b>Supporting Remarks:</b> lists of content module titles on the Library screen or organized as groups of buttons within list items, within a list. Note: Some of these items are not labelled properly. System menu bar was child element buttons: Minimize, Maximize, Explore.</p>
502.3.8 Text	<b>Supports</b>	For visible text on the screen NVDA reader is able to announce while using the mouse. <b>Note:</b> This does not suggest that a person could use the product while relying on a screen reader.
502.3.9 Modification of Text	<b>Supports</b>	Edit boxes such as Name, Password, Redeem Code, Search box, Specialty Areas can be edited while running a screen reader. <b>Note:</b> The edit boxes are unlabeled.
502.3.10 List of Actions	<b>Does Not Support</b>	Complete Anatomy doesn't appear to support any assistive tech commands or keyboard actions for the user interface components such as toggle switches,

Criteria	Conformance Level	Remarks and Explanations
		combo boxes, checkboxes.
502.3.11 Actions on Objects	<b>Does not Support</b>	Complete Anatomy doesn't appear to support any assistive tech commands or keyboard actions for the user interface components such as toggle switches, combo boxes, checkboxes.
502.3.12 Focus Cursor	<b>Does Not Support</b>	The application doesn't appear to track focus either visually nor programmatically. See WCAG 2.1 2.1.1 Above
502.3.13 Modification of Focus Cursor	<b>Does Not Support</b>	The application doesn't appear to track focus either visually nor programmatically.
502.3.14 Event Notification	<b>Does Not Support</b>	Dynamic content updates are not announced to assistive technology. Relevant dynamic content includes: search results count after a filter action, toggling different layers in the model, a view updating to focusing in on specific muscles, and the showing of the info panel, and status indicators such as "Preparing Blood Vessels Model".
502.4 Platform Accessibility Features	<b>Nott Applicable</b>	Complete Anatomy is a Windows App, not platform software or an Operating system.
<b><u>503 Applications</u></b>	<b>Heading cell – no response required</b>	Heading cell – no response required
503.2 User Preferences	<b>Partially Supports</b>	<p>Overall 3D4Medical inherits the Windows settings for High Contrast, Color, Font Type, and Focus/Cursor.</p> <p><b>Supporting Remarks:</b> Text content such as left side overviews of structures inherit the high contrast text colors. 3D4Medical provides a Dark mode under Preferences &gt; settings.</p>

Criteria	Conformance Level	Remarks and Explanations
		<b>Exceptions:</b> Buttons with text and icons (e.g. the right hand nav and bottom layers toggles) do not seem to inherit Windows contrast text colors. The toggle switches on the Settings/preferences page become invisible if High Contrast #2 in Windows is set.
503.3 Alternative User Interfaces	<b>Not Applicable</b>	There is not any alternative CompleteAnatomy user interface that functions as an assistive technology.
<b>503.4 User Controls for Captions and Audio Description</b>	Heading cell – no response required	Heading cell – no response required
503.4.1 Caption Controls	<b>Not Applicable</b>	All videos with captions are open captions and thus there are no caption controls.
503.4.2 Audio Description Controls	<b>Not Applicable</b>	No video audio description is available.
<b>504 Authoring Tools</b>	Heading cell – no response required	Heading cell – no response required
504.2 Content Creation or Editing (if not authoring tool, enter “not applicable”)	<b>Not Applicable</b>	
504.2.1 Preservation of Information Provided for Accessibility in Format Conversion	<b>Not Applicable</b>	
504.2.2 PDF Export	<b>Not Applicable</b>	
504.3 Prompts	<b>Not Applicable</b>	
504.4 Templates	<b>Not Applicable</b>	

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

Notes:

Criteria	Conformance Level	Remarks and Explanations
<b>601.1 Scope</b>	Heading cell – no response required	Heading cell – no response required
<b>602 Support Documentation</b>	Heading cell – no response required	Heading cell – no response required
602.2 Accessibility and Compatibility Features	<b>Supports</b>	Complete Anatomy Support Center provides a <a href="#">searchable database of how to</a>

Criteria	Conformance Level	Remarks and Explanations
		<a href="#">topics here</a> . Topics include how to change the color scheme between light and dark mode. There are articles on how to use the preferences to customize your workspace and how to rotate and manipulate models using keyboard and touchscreens.
602.3 Electronic Support Documentation	<b>Supports</b>	Complete Anatomy Support Hub adheres to WCAG 2.1 AA standard. Example features include: Landmarks, Headings, alt text, machine readable HTML5 content.
602.4 Alternate Formats for Non-Electronic Support Documentation	<b>Not Applicable</b>	Complete Anatomy does not provide any support documentation in a print (non-electronic) format.
<b><a href="#">603 Support Services</a></b>	Heading cell – no response required	Heading cell – no response required
603.2 Information on Accessibility and Compatibility Features	<b>Supports</b>	Users can email <a href="mailto:accessibility@elsevier.com">accessibility@elsevier.com</a> to receive support information around accessibility or to request an accommodation.
603.3 Accommodation of Communication Needs	<b>Supports</b>	Users can email <a href="mailto:accessibility@elsevier.com">accessibility@elsevier.com</a> for direct accessibility support. Users can also submit support questions via (email, phone, Twitter, Facebook) by using the <a href="#">3d4Medical Support page</a> .