

XIntBrain, LLC

Accessibility Conformance Report

WCAG Edition – Based on VPAT® Version 2.5Rev

April 2026

Product Information

Name of Product / Version: XIntBrain Web v3.4.5

Report Date: April 7th, 2026

Product Description

XIntBrain Web is a cloud-based sports brain-health management platform. It enables athletic trainers, coaches, clinicians, and institutional administrators to manage baseline cognitive assessments, track concussion incidents, monitor individualized return-to-play protocols, and generate compliance and outcome reports. The platform delivers these capabilities through a role-based web application accessible from any modern browser.

Notes

XIntBrain Web maintains a cycle of continuous accessibility enhancements. This report reflects the current conformance status of core system architecture and primary user workflows under the WCAG 2.1 AA standard.

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Evaluation Methods Used

Conformance levels reported herein are based on the following evaluation activities:

- Automated accessibility auditing using axe DevTools (Deque Systems) – an industry-standard browser extension – applied to representative pages in both authenticated and unauthenticated states against the WCAG 2.1 AA rule set.
- Static analysis of the application source code, covering global layout templates, shared interface components, global stylesheets, and interactive scripts, to verify semantic structure, ARIA attribute usage, form label associations, heading hierarchy, and keyboard interaction patterns.
- Manual keyboard navigation testing across primary user workflows (authentication, assessment intake, clinical report generation, user profile management, and administrative functions) using Tab, Shift+Tab, Enter, Space, Escape, and Arrow keys.
- Automated regression testing integrated into the continuous integration pipeline using an industry-grade accessibility testing library, covering more than 40 authenticated and publicly accessible pages against WCAG 2.1 AA standards.
- Visual review for color contrast ratios, focus indicator visibility, and responsive layout behavior at viewport widths of 320px, 768px, and 1024px.

Applicable Standards / Guidelines

Standard / Guideline	Included In Report
Web Content Accessibility Guidelines 2.1	Table 1: Success Criteria, Level A Table 2: Success Criteria, Level AA

Terms

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

Term	Definition
Supports	The functionality of the product has at least one method that meets the criterion without known defects or meets through 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 designation may only be used for WCAG Level AAA criteria.

Table 1: Success Criteria, Level A

The following table lists all WCAG 2.1 Level A success criteria and XIntBrain Web's conformance status for each. Criteria designated "Not Applicable" are not relevant to the product based on its feature set. Criteria specific to WCAG 2.2 only have been excluded from this report.

Criteria	Conformance Level	Remarks and Explanations
1.1.1 Non-text Content (Level A)	Supports	The platform provides text alternatives for all non-text content that conveys information relevant to the user. Decorative images are programmatically ignored to avoid interference with assistive technologies. Primary workflows and navigation elements include accurate text descriptions that ensure complete content comprehension.
1.2.1 Audio-only and Video-only Prerecorded (Level A)	Not Applicable	The product does not include standalone audio-only or video-only pre-recorded media.
1.2.2 Captions Pre-recorded (Level A)	Not Applicable	No synchronized audio/video media is present in the product.

Criteria	Conformance Level	Remarks and Explanations
1.2.3 Audio Description or Media Alternative Prerecorded (Level A)	Not Applicable	No prerecorded synchronized media requiring audio description is included in the product.
1.3.1 Info and Relationships (Level A)	Supports	The product employs a fully semantic HTML structure throughout. Distinct landmark regions (main content area, site header, site footer, and navigation) are present on all pages. Form controls are programmatically associated with their visible labels. Data tables include properly marked header rows. Supplementary ARIA roles and properties are applied to interface components where native semantics are insufficient.
1.3.2 Meaningful Sequence (Level A)	Supports	The reading and navigation order conveyed through the document structure is consistent with the visual presentation. Layout is achieved through a responsive grid system, ensuring the DOM source order is logical and predictable.
1.3.3 Sensory Characteristics (Level A)	Supports	Instructions and guidance do not rely exclusively on shape, color, size, or spatial location. All instructions include textual descriptions accessible to users regardless of perceptual ability.
1.4.1 Use of Color (Level A)	Supports	Color is not the sole means of conveying information, indicating an action, or distinguishing a visual element. Form error states are indicated through a combination of color, iconography, and descriptive text. Required fields are identified by a visible textual indicator in addition to any color treatment.
1.4.2 Audio Control (Level A)	Not Applicable	No audio content plays automatically within the product.
2.1.1 Keyboard (Level A)	Supports	All critical functionality and primary user flows are fully operable through a keyboard interface. The system provides visual focus indicators for all interactive elements and includes functional mechanisms to bypass repetitive navigation blocks.
2.1.2 No Keyboard Trap (Level A)	Supports	No keyboard traps were identified during testing. Modal dialogs return focus to the originating trigger element upon dismissal. All keyboard navigation paths provide a clear means of exit.
2.1.4 Character Key Shortcuts (Level A)	Not Applicable	The product does not implement single-character key shortcuts.
2.2.1 Timing Adjustable (Level A)	Not Applicable	No time limits are imposed on the use of the product.
2.2.2 Pause, Stop, Hide (Level A)	Not Applicable	No moving, blinking, scrolling, or auto-updating content is present in the product.
2.3.1 Three Flashes or Below Threshold (Level A)	Supports	No flashing, blinking, or strobing content was identified across any product view.
2.4.1 Bypass Blocks (Level A)	Supports	A keyboard-accessible skip navigation link targeting the main content region is present and visible on focus across all application pages,

Criteria	Conformance Level	Remarks and Explanations
		allowing keyboard and assistive technology users to bypass repeated navigation efficiently.
2.4.2 Page Titled (Level A)	Supports	Every page includes a descriptive and unique document title that identifies both the page content and the application name, enabling users to orient themselves within the product.
2.4.3 Focus Order (Level A)	Supports	Keyboard focus follows a logical, top-to-bottom, left-to-right sequence consistent with the visual layout and the meaning of the content. No custom tab sequences that would disrupt the natural reading order were identified in production interfaces.
2.4.4 Link Purpose In Context (Level A)	Supports	The purpose of each link or interactive control can be determined from the link text or its programmatic context. Icon-only controls within data management views feature programmatic accessible names, allowing assistive technology users to clearly identify their intended function.
2.5.1 Pointer Gestures (Level A)	Supports	All product functionality is operable using a single pointer action. No multi-point or path-based gestures are required.
2.5.2 Pointer Cancellation (Level A)	Supports	Interactive elements respond on the up-event, consistent with standard browser behavior. No down-event-only activations were identified.
2.5.3 Label in Name (Level A)	Supports	The accessible names of buttons, links, and form controls contain or match their visible label text, ensuring consistency between what users see and what assistive technologies announce.
2.5.4 Motion Actuation (Level A)	Not Applicable	No functionality is triggered by device motion or user motion gestures.
3.1.1 Language of Page (Level A)	Supports	The primary language of each page is programmatically determined. The HTML root element includes a language attribute that is dynamically assigned based on the active user locale, supporting both English and Spanish interfaces.
3.2.1 On Focus (Level A)	Supports	Receiving focus does not automatically trigger a change of context. Navigation menus and interactive components require explicit user activation.
3.2.2 On Input (Level A)	Supports	No context changes occur automatically as a result of user input unless the user has been advised of the behavior in advance. Dynamic search and filter results are announced to assistive technologies through appropriate live region announcements.
3.3.1 Error Identification (Level A)	Supports	Input errors detected by the system are described in text and programmatically associated with the specific field in error, enabling assistive technologies to convey the nature and location of each error to the user.
3.3.2 Labels or Instructions (Level A)	Supports	All form inputs are accompanied by visible, descriptive labels. Required fields are identified, and fields with specific format requirements (such as date inputs) include instructional hints. Associations between labels and controls are established programmatically.

Criteria	Conformance Level	Remarks and Explanations
4.1.1 Parsing (Level A)	Supports	The product generates well-formed, valid HTML5 markup. ARIA attributes conform to the WAI-ARIA specification. Automated testing using industry-grade auditing tools confirmed the absence of duplicate identifiers and improperly nested elements in production page scans.
4.1.2 Name, Role, Value (Level A)	Supports	For all user interface components, the name and role can be determined programmatically. User-configured states, properties, and values are correctly exposed to user agents, ensuring that changes in dynamic components are notified in a timely manner.

Table 2: Success Criteria, Level AA

The following table lists all WCAG 2.1 Level AA success criteria. Level AA requirements are cumulative and include all Level A requirements above. Criteria designated “Not Applicable” are not relevant to the product. Criteria specific to WCAG 2.2 only have been excluded.

Criteria	Conformance Level	Remarks and Explanations
1.2.4 Captions Live (Level AA)	Not Applicable	No live audio or video content is broadcast through the product.
1.2.5 Audio Description Pre-recorded (Level AA)	Not Applicable	No pre-recorded video with audio content is present in the product.
1.3.4 Orientation (Level AA)	Supports	The product interface is not restricted to a single display orientation. All views adapt correctly to both portrait and landscape orientations on mobile and tablet devices.
1.3.5 Identify Input Purpose (Level AA)	Supports	The purpose of each input field collecting information about the user can be determined programmatically. Form fields utilize standard attributes to enable browsers and assistive technologies to identify the field's purpose and facilitate the efficient autofill of personal data.
1.4.3 Contrast Minimum (Level AA)	Supports	The product's color palette is defined within a dedicated accessibility stylesheet that is applied globally with the highest specificity. Body text, interactive controls, links, and alert states meet or exceed the WCAG AA 4.5:1 contrast ratio for normal text and 3:1 for large text. Contrast compliance was verified using automated auditing tools across representative product pages.
1.4.4 Resize Text (Level AA)	Supports	Text can be resized up to 200% using standard browser zoom without loss of content or functionality. Scalable typographic units are used throughout the product's visual design system, and no fixed-size text overrides were identified in production stylesheets.
1.4.5 Images of Text (Level AA)	Supports	Text throughout the product interface is rendered using live web fonts. Brand logo assets that incorporate text include appropriate alternative text and are exempt under the permitted exception for logotypes.

Criteria	Conformance Level	Remarks and Explanations
1.4.10 Reflow (Level AA)	Supports	The product uses a responsive, mobile-first layout system. Content reflows to a single-column presentation at a viewport equivalent to 320 CSS pixels without horizontal scrolling or loss of content. Verified across primary clinical and administrative views at narrow viewport widths.
1.4.11 Non-text Contrast (Level AA)	Supports	User interface components—including form input boundaries, interactive button states, and checkboxes—meet the minimum 3:1 contrast ratio against adjacent background colors. The global focus indicator (a prominent outline applied to all interactive elements) also meets the 3:1 threshold.
1.4.12 Text Spacing (Level AA)	Supports	No loss of content or functionality occurs when the following CSS properties are overridden in accordance with the criterion: line height to 1.5 times the font size, letter spacing to 0.12 times the font size, word spacing to 0.16 times the font size, and spacing after paragraphs to 2 times the font size.
1.4.13 Content on Hover or Focus (Level AA)	Supports	Tooltip and disclosure content that appears on pointer hover or keyboard focus can be hovered without disappearing, is dismissible via the Escape key, and persists until the pointer or focus moves away from the triggering element.
2.4.5 Multiple Ways (Level AA)	Supports	Users can locate content through multiple navigation pathways, including a persistent global navigation menu, in-application search functionality, and contextual navigation aids within key workflows.
2.4.6 Headings and Labels (Level AA)	Supports	Headings throughout the product are descriptive and accurately reflect the content of the sections they introduce. A consistent heading hierarchy is maintained across all views. Form labels clearly identify the purpose of their associated controls.
2.4.7 Focus Visible (Level AA)	Supports	A persistent, high-contrast focus indicator is applied globally to all interactive elements, including links, buttons, form controls, and custom interactive components. Focus styles are not suppressed, and the indicator remains visible throughout keyboard navigation.
3.1.2 Language of Parts (Level AA)	Supports	The product supports English and Spanish interfaces. When the active locale is changed, the language declaration on the root document element is updated accordingly, ensuring assistive technologies apply the correct language rules to all page content.
3.2.3 Consistent Navigation (Level AA)	Supports	Navigation menus, the global header, and the site footer appear in a consistent structure and order across all product pages. Shared interface components are rendered from common templates, enforcing this consistency.
3.2.4 Consistent Identification (Level AA)	Supports	Components that perform the same function across different views are identified with consistent labels and accessible names. Icon usage and control naming conventions are standardized throughout the product.
3.3.3 Error Suggestion (Level AA)	Supports	When input errors are detected and the appropriate correction is known, the product provides specific, actionable guidance to the user (e.g., format requirements for date fields, minimum length for security credentials). Suggestions are presented in text adjacent to the affected field.

Criteria	Conformance Level	Remarks and Explanations
3.3.4 Error Prevention Legal Financial Data (Level AA)	Supports	Submissions involving clinical and assessment data include review and confirmation steps prior to final submission. Irreversible actions—such as record deletion or archival—require explicit user confirmation to prevent unintended data loss.
4.1.3 Status Messages (Level AA)	Supports	System status messages—including confirmation, error, and informational alerts—are implemented as ARIA live regions. This ensures that messages are announced by screen readers without requiring focus to be programmatically moved to the notification area.

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