

XIntBrain, LLC

Accessibility Conformance Report WCAG Edition – Based on VPAT® Version 2.5Rev

May 2026

Product Information:

Name of Product / Version: XLNTBrain Mobile App v2.3.5
Report Date: May 2026

Product Description

XLNTBrain Mobile is a Flutter-based iOS and Android application for concussion assessment and sports brain-health workflows. The mobile app supports authenticated clinical and administrative tasks, including login, athlete selection, SCAT6, Sideline Assessment Test (SAT), Balance Test, symptom checklist, health, history, relationship, membership, and chart review workflows.

Scope of This Report

This mobile-only report is limited to the accessibility changes already present in the XLNTBrain Flutter repository. It does not include the XLNTBrain Web VPAT, web accessibility work, or any new accessibility assumptions outside the committed mobile implementation.

Notes

The completed mobile work improves code-side WCAG 2.1 readiness through semantic labels, custom-control state exposure, spoken chart summaries, labeled loading states, route-aware dialogs and bottom sheets, and screen-reader announcements for snackbar/status messages. Manual iOS VoiceOver and Android TalkBack validation was performed for the changed mobile workflows. Large text, responsive reflow, text spacing, and contrast checks were also performed for the changed mobile workflows on iOS and Android. Additional validation remains recommended for keyboard, switch, magnification, and other alternative-input workflows.

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Evaluation Methods Used

Conformance levels in this report are based only on the mobile implementation evidence listed above:

- Review of committed Flutter accessibility changes in the mobile app repository.
- Review of the existing mobile WCAG status and validation checklist documents.
- Review of widget tests for the shared accessibility helper.
- Manual iOS VoiceOver validation of changed mobile workflows, including labels, dialogs, loading states, selected states, and chart summaries.
- Manual Android TalkBack validation of changed mobile workflows, including labels, reading order, announcements, and dialogs.

- Manual large-text, responsive reflow, text-spacing, and contrast validation of changed mobile workflows on iOS and Android.
- Mapping of implemented mobile changes to WCAG 2.1 A and AA success criteria.

VoiceOver and TalkBack validation have been claimed where they apply to the changed mobile workflows. Items that require keyboard, switch, magnification, or other alternative-input validation are marked accordingly.

Applicable Standards / Guidelines

Standard / Guideline	Included In Report
WCAG 2.1 applied to XLNTBrain Mobile App	Table 1: Success Criteria, Level A
WCAG 2.1 applied to XLNTBrain Mobile App	Table 2: Success Criteria, Level AA

Terms

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

Term	Definition Used in This Report
Supports	The committed mobile implementation provides direct code-side support for the criterion in the reviewed mobile flows.
Partially Supports	The committed mobile implementation supports part of the criterion, but additional platform, visual, or alternative-input validation remains required.
Does Not Support	The existing mobile changes reviewed for this report do not provide support for the criterion.
Not Applicable	The criterion does not apply to the reviewed mobile implementation area.

Table 1: Success Criteria, Level A

The following table lists all WCAG 2.1 Level A success criteria and XLNTBrain Mobile App'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	Supports	Existing changes add contextual labels for icon-only athlete actions and spoken summaries for cognitive and spider charts in the changed mobile workflows.
1.2.1 Audio-only and Video-only	Not Applicable	The reviewed mobile accessibility changes do not add or modify prerecorded audio-only or video-only media.
1.2.2 Captions	Not Applicable	The reviewed mobile accessibility changes do not add or modify prerecorded synchronized media requiring captions.
1.2.3 Audio Description or Media Alternative	Not Applicable	The reviewed mobile accessibility changes do not add or modify prerecorded synchronized media requiring audio description.
1.3.1 Info and Relationships	Supports	Semantics were added for custom SAT, SCAT6, and DSC controls, dialogs, bottom sheets, loading states, and chart summaries in the changed mobile workflows.
1.3.2 Meaningful Sequence	Supports	Dialogs and bottom sheets use route-scoped semantics, and chart internals are excluded from duplicate screen-reader output while exposing concise summaries. The changed workflows were validated with iOS VoiceOver and Android TalkBack; alternative-input validation remains recommended.

Table 1: Success Criteria, Level A, Continued

Criteria	Conformance Level	Remarks and Explanations
1.3.3 Sensory Characteristics	Supports	Custom options in SAT, SCAT6, and DSC expose text labels, hints, and selected state rather than relying only on visual presentation.
1.4.1 Use of Color	Supports	Changed custom controls expose selected state through accessibility semantics, so the

		supported workflows do not rely only on visual color to communicate selection state.
1.4.2 Audio Control	Not Applicable	The reviewed mobile accessibility changes do not add automatically playing audio.
2.1.1 Keyboard	Partially Supports	Primary controls use native Flutter widgets or semantic button controls in changed workflows, but hardware keyboard and switch-access validation remains required.
2.1.2 No Keyboard Trap	Partially Supports	Changed dialogs and bottom sheets use route-scoped semantics and were checked with iOS VoiceOver and Android TalkBack, but hardware keyboard and switch-access trap validation remains required.
2.1.4 Character Key Shortcuts	Not Applicable	No single-character shortcut behavior is evidenced by the reviewed mobile accessibility changes.
2.2.1 Timing Adjustable	Does Not Support	The existing mobile accessibility changes do not add timing-adjustment behavior.
2.2.2 Pause, Stop, Hide	Not Applicable	The reviewed mobile accessibility changes do not add moving, blinking, scrolling, or auto-updating content.
2.3.1 Three Flashes or Below Threshold	Not Applicable	The reviewed mobile accessibility changes do not add flashing content.
2.4.1 Bypass Blocks	Not Applicable	This mobile-app report does not evaluate web-style repeated navigation bypass blocks.
2.4.2 Page Titled	Supports	The shared accessibility helper adds route-aware semantics for dialogs and bottom sheets using route labels.
2.4.3 Focus Order	Supports	Accessible dialog and bottom-sheet wrappers scope route semantics in the changed flows. iOS VoiceOver and Android TalkBack validation was performed; alternative-input validation remains recommended.
2.4.4 Link Purpose	Not Applicable	The reviewed mobile accessibility changes address buttons, custom controls, dialogs, loading states, and chart summaries rather than web-style links.
2.5.1 Pointer Gestures	Not Applicable	The reviewed mobile accessibility changes do not add path-based or multipoint pointer gestures.

2.5.2 Pointer Cancellation	Does Not Support	The existing mobile accessibility changes do not add pointer-cancellation behavior.
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Table 1: Success Criteria, Level A, Continued

Criteria	Conformance Level	Remarks and Explanations
2.5.3 Label in Name	Supports	Custom mobile controls and icon-only actions were updated with accessible labels that reflect their visible purpose in the changed areas.
2.5.4 Motion Actuation	Not Applicable	The reviewed mobile accessibility changes do not add motion-actuated controls.
3.1.1 Language of Page	Does Not Support	The existing mobile accessibility changes do not add screen language metadata.
3.2.1 On Focus	Supports	Accessible route scoping was added for dialogs and bottom sheets in changed flows; iOS VoiceOver and Android TalkBack validation was performed for the changed workflows.
3.2.2 On Input	Supports	Changed custom selections expose explicit labels, hints, and selected state so users receive control-state feedback during input.
3.3.1 Error Identification	Supports	The shared helper supports accessible dialog wrappers and snackbar/status announcements. Login dialogs and key SCAT6/SAT flows were included in the existing mobile checklist.
3.3.2 Labels or Instructions	Supports	Login fields were strengthened with persistent labels, and custom selections in SAT, SCAT6, and DSC expose labels and hints.
4.1.1 Parsing	Not Applicable	Not Applicable. This criterion is not applicable to the reviewed Flutter-based mobile implementation, as it does not rely on markup languages where parsing errors would impact accessibility.
4.1.2 Name, Role, Value	Supports	Existing changes add Semantics, ExcludeSemantics, button semantics, selected state, live-region loading labels, and route-scoped dialog/bottom-sheet labels for changed mobile areas.

4.1.3 Status Messages	Supports	The shared helper announces snackbar/status messages with SemanticsService and exposes loading states as live regions.
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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)	Not Applicable	The reviewed mobile accessibility changes do not add live synchronized media.
1.2.5 Audio Description (Prerecorded)	Not Applicable	The reviewed mobile accessibility changes do not add prerecorded synchronized media requiring audio description.
1.3.4 Orientation	Partially Supports	The changed Flutter workflows use responsive layout patterns, but orientation-specific validation remains required.
1.3.5 Identify Input Purpose	Supports	Login fields were strengthened with persistent labels in the committed mobile accessibility work.
1.4.3 Contrast (Minimum)	Supports	Manual contrast validation was completed for changed mobile workflows, including text, buttons, and selected states.
1.4.4 Resize Text	Supports	Changed mobile workflows were validated with maximum text size on iOS and Android; text remains readable without clipping or overlap, and scrolling remains available where needed.
1.4.5 Images of Text	Not Applicable	The reviewed mobile accessibility changes do not add images of text.

Table 2: Success Criteria, Level AA, Continued

Criteria	Conformance Level	Remarks and Explanations
1.4.10 Reflow	Supports	Changed mobile workflows reflow responsively at large text and display-size settings on iOS and Android, with stacked controls and scrollable content where needed.
1.4.11 Non-text Contrast	Supports	Manual non-text contrast validation was completed for changed mobile controls, selected states, buttons, and visual indicators.
1.4.12 Text Spacing	Supports	Changed mobile workflows were validated with large text and responsive spacing on iOS and Android; content remains readable and scrollable without overlap.
1.4.13 Content on Hover or Focus	Not Applicable	The reviewed mobile accessibility changes do not add hover/focus-triggered supplemental content.
2.4.5 Multiple Ways	Does Not Support	The existing mobile accessibility changes do not add multiple navigation paths.

Table 2: Success Criteria, Level AA, Continued

Criteria	Conformance Level	Remarks and Explanations
2.4.6 Headings and Labels	Supports	Existing changes add persistent login labels, contextual athlete action labels, bottom-sheet labels, dialog labels, loading labels, and custom-control labels in the changed flows.
2.4.7 Focus Visible	Partially Supports	Changed controls expose accessible focusable semantics for VoiceOver, but visual focus indicator validation for keyboard and alternative input remains required.
2.5.5 Target Size	Partially Supports	Changed workflows use Flutter interactive controls, but target-size validation remains required.
2.5.6 Concurrent Input Mechanisms	Partially Supports	Changed workflows support touch and iOS VoiceOver operation, but keyboard, switch, and Android alternative-input validation remains required.

3.1.2 Language of Parts	Does Not Support	The existing mobile accessibility changes do not add language-of-parts behavior.
3.2.3 Consistent Navigation	Partially Supports	Shared helper patterns and repeated semantic control patterns improve consistency in changed workflows, but full navigation consistency validation remains required.
3.2.4 Consistent Identification	Supports	Shared helper patterns and repeated custom-control semantics improve consistency in changed flows.
3.3.3 Error Suggestion	Supports	Accessible error dialogs and snackbar/status announcements are supported by the shared helper in changed flows.
3.3.4 Error Prevention (Legal, Financial, Data)	Partially Supports	Changed workflows improve accessible presentation of dialogs and status messages, but reversible, checked, or confirmed submission behavior was not fully validated.

Code-Side Implementation Summary

Area	Existing Mobile Evidence
Shared Accessibility Helper	Adds screen-reader announcement support, labeled loading indicators, accessible dialog wrappers, and accessible bottom-sheet wrappers. Widget tests verify loading-indicator labels and dialog labels.
Custom Controls	SAT, SCAT6, and DSC custom options were updated with semantic labels, button semantics, hints, and selected-state announcements in the committed accessibility work.
Charts	Cognitive and spider chart widgets expose spoken semantic summaries and hide purely visual chart internals from duplicate screen-reader output.
Loading, Success, and Error Feedback	Key flows use labeled loading indicators and screen-reader announcements for snackbar or status feedback. iOS VoiceOver and Android TalkBack validation was performed for the changed workflows.
Dialogs and Bottom Sheets	Accessible wrappers add route labels and route scoping for dialogs and bottom sheets. Existing checklist areas include login, athlete search, SCAT6, SAT, Sideline Assessment, Relationships, Organizations, Members, Dependents, and health/history/membership flows.

Remaining Manual Validation

The existing mobile WCAG status document states that the code-side pass is not a certification by itself. The following areas remain manual validation items and are therefore not claimed as complete conformance in this report:

- Switch, keyboard, or alternative-input validation.
- Magnification and additional assistive-technology combinations outside the validated iOS VoiceOver and Android TalkBack flows.

Core Mobile Flows Identified for Validation

Flow	Validation Focus From Existing Checklist
Login	Field labels, forgot-password dialog labels, success/error dialog announcements.
Organizations and Main Menu	Loading announcements, menu card button semantics, stopwatch toggle label and state.
My Athletes	Contextual labels for membership, history, remove, loading states, and statistics toggle state.
SCAT6, SAT, and Balance Test	Loading states, athlete search, custom selected states, dialogs, submission feedback, baseline toggles, and SAT to Balance Test handoff.
Sideline Assessment	Main loading state, athlete/sport/position/injury bottom-sheet labels, and stopwatch completion announcement.
Relationships	Add dependent/provider dialogs and loading states remain navigable with screen readers.
Checklist, History, and Health	Loading states, chart summaries, and membership/history/health loading announcements.

Legal Disclaimer

This document is based on the reviewed XLNTBrain mobile accessibility implementation, repository evidence, existing mobile accessibility documentation, and validation performed for the listed mobile workflows. This document does not represent a full accessibility audit or formal certification of WCAG 2.1 conformance. It does not assert web app conformance, full native-platform audit results, or manual device results that are not already present in the reviewed evidence.