

Comprehensive Accessibility Compliance Plan (WCAG 2.1 Level AA)

Overall Commitment The application will achieve and maintain full WCAG 2.1 Level AA conformance to ensure usability for all, including disabled users (e.g., screen readers, keyboard navigation).

Key Success Criteria and Planned Implementations:

- **Perceivable:** Alt text for icons; sufficient color contrast (4.5:1 ratio); resizable text.
- **Operable:** Full keyboard navigation; no time limits; clear focus indicators.
- **Understandable:** Simple language (reading age ~12); consistent navigation; error suggestions.
- **Robust:** Semantic HTML; ARIA landmarks/roles; compatible with assistive tech.

Specific Features:

- High-contrast mode toggle.
- Screen reader announcements for dynamic content (e.g., pathway results).
- Mobile-responsive layout.
- Language: Clear, non-medical jargon where possible.

Validation Tools and Process:

- Automated: Google Lighthouse, WAVE, axe DevTools.
- Manual: Keyboard testing, NVDA/VoiceOver screen reader checks.
- Target: 100% AA compliance in final audits (reports to be generated).

Timeline: Integrated from development start; final audit December 2025.