High-level accessibility review – BTAA (Fulcrum)

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High-level accessibility review – Fulcrum

TABLE OF CONTENTS

High-level accessibility review – e-book content........................................................................................................2
e-book content..................................................................................................................................................................3
   Accessibility findings ....................................................................................................................................................3
   Home Page .................................................................................................................................................................3
   Search Results Page ..................................................................................................................................................8
   e-book page ............................................................................................................................................................10
   "Read Book" option................................................................................................................................................14
   PDF ...........................................................................................................................................................................15
e-book content

Accessibility findings

Home Page
Source: https://www.fulcrum.org/michigan
Test homepage (https://www.fulcrum.org/michigan), including menus, navigation, search boxes, links, images, header/footer, etc.
Big Ten Academic Alliance
High-level accessibility review against WCAG 2.0
Deque Systems – 2019/08/16
Automated violations using Axe

- **SC 1.4.3** – Elements must have sufficient color contrast

Additional findings

- **Best Practice (WCAG 2.0)** - NVDA announces "Close" but visually on the screen the button text is "Got it". In WCAG 2.0, this would be a best practice, but in WCAG 2.1 it would be a failure.

- **SC 4.1.2** – Screen reader users must be made aware when the elements under "Books" are expanded and collapsed.
• **SC 4.1.2** – when the "Author" modal presents (as well as other modals), a screen reader user must be made aware that a modal has opened.

• **SC 4.1.2** – when the "Author" modal presents, a screen reader user tabs through the elements, nothing is conveyed.
- **SC 1.1.1** – The logo in the footer may be meaningful but is not conveyed to the screen reader user.

- **SC 2.4.3** – After "Subject" modal presents and closes, send focus back to the element that initiated the modal ("more").
• **Best Practice** – Combine as one link

Search Results Page

Source: [https://www.fulcrum.org/michigan?utf8=%E2%9C%93&press=michigan&q=addiction](https://www.fulcrum.org/michigan?utf8=%E2%9C%93&press=michigan&q=addiction)

Test search results page – including menu options on left (open access, subject, author, series), sort by dropdown, results/images of books.
Automated violations using Axe

- SC 1.4.3 – Elements must have sufficient color contrast

Additional findings

- Similar findings to Home Page
- No additional findings
e-book page

Source: https://www.fulcrum.org/concern/monographs/5d86p144c?locale=en

Test an e-book page: https://www.fulcrum.org/concern/monographs/5d86p144c?locale=en

- Table of contents & Stats tabs (below book/download options)
Discovering Addiction: The Science and Politics of Substance Abuse Research

Nancy D. Campbell

3795 HIGH LEVEL ACCESSIBILITY REVIEW AGAINST WCAG 2.0

Deque Systems – 2019/08/16

Table of Contents

Cover
Title Page
Copyright Page
Dedication
Contents
Acknowledgments
A Note on Sources
A Note on Interviews
Introduction
Chapter 1. Framing the "Opium Problem": ProtoScientific Concepts of Addiction
Chapter 2. Creators of Habit: Reading the "Junior Monkeys" of Michigan
Chapter 3. "A New Deal for the Drug Addict?": Addiction Research Moves to Lexington, Kentucky
Chapter 4. "The Man with the Syringes": Pain and Pleasure in the Experimental Situation
Chapter 5. "The Tightrope between Carelessness and Seduction": Characterizing the Ethics of Addiction Research at Lexington
Chapter 6. "The Great Hate and Cry": Prisons Reform and the Ethics of Human Subjects Research
Chapter 7. "The Behavior Is Always Right": Behavioral Pharmacology Comes of Age
Chapter 8. "The Hijacked Brain": Reenacting Addiction
Conclusion
Notes
Selected Bibliography
Index
Automated violations using Axe

- **SC 4.1.2** – ARIA attributes must conform to valid names

Additional findings

- **SC 2.1.1** – A keyboard only user must have the same functionality as a mouse user. When hovering over "Am score" and "Citations" with a mouse, a tooltip presents. However, when the element receives focus by keyboard alone, this information is not presented.

  ![Example](image1.png)

- **SC 2.4.7** – "Citations" does not have a focus indicator.

  ![Example](image2.png)
• **SC 2.1.1** – When using only your keyboard to arrow thru the "Table of Contents" and "Stats" tabs, the graphs do not present.

![Table of Contents and Stats tabs]()

• **SC 1.1.1** – The link for "Creative Commons Attribution-NonCommercial-NoDerivatives 4.0 International license" only conveys "license" to the screen reader user. More information must be provided.

![Creative Commons license]()}
- **1.3.1** – The elements starting with "ISBN(s)" visually appear and behave as headings but are not marked up as such.

  ![ISBN(s) table](image)

  - **978-0-472-12629-3** (ebook)
  - **978-0-472-11610-2** (hardcover)
  - **978-0-472-90115-9** (open access)

- **1.1.1** – The graphs under the "Stats" tab do not convey the same information to a screen reader user as it does to a sighted user.

"Read Book" option

Source: [https://www.fulcrum.org/epubs/1g05fd20w?locale=en#/6/2[Campbell-0001]]/4/1:0
Automated violations using Axe

- **SC 2.4.1** – Frames must have title attribute
- **SC 1.4.4** – Zooming and scaling must not be disabled

Additional findings

- **SC 2.1.1** – Keyboard only users are unable to navigate to "Citations".

  ![Image of interface with "Citations" button highlighted]

  - **SC 4.1.2** – When adjusting the slide, the new information concerning location and percentage is not announced to the screen reader user.

PDF

- see "PDF Report" folder