

High-level accessibility review – BTAA (PsycINFO on Ovid Platform)

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PsycINFO on Ovid Platform

Summary

Top 3 problems for the PsycINFO on Ovid Platform

This assessment covers portions of the PsycINFO on Ovid Platform. The assessment revealed moderate problems with screen reader compatibility, resulting in screen reader users rarely missing critical information needed to understand content and operate features.

1. **Contrast** – Some text is slightly low in contrast, which would potentially cause low vision users to either miss or have difficulty to perceive the affected content. Also, the focus indicator throughout the entire site frequently does not offer sufficient contrast to be clearly visible to low-vision users.
2. **Reflow** – The entire website does not properly reflow to a viewport that is 320px wide.
3. **Programmatic Labels** – The ‘search history’ function makes use of checkboxes without labels. This causes AT users to not be aware as to the purpose of these checkboxes.

Accessibility findings

Project wide issues

The issues presented in this section were identified in multiple pages and are recorded here to avoid repetition. These are applicable to each screen. Due to particularities, similar issues are still reported on a page per page basis, where applicable.

Automated findings using Axe

Issues found through automated testing come from the Axe plugin, an open source accessibility testing tool that is available for Chrome, Firefox and Edge. Details here: <https://www.deque.com/products/axe/>.

1. **SC 1.3.1 A** – The ‘top-tab’ header element is semantically identified as a menubar but is missing required child elements.
2. **SC 1.4.3 AA** – The ‘See our privacy policy for more information’ content is low in contrast. Currently, the foreground and background colors provide a 3.6:1 contrast ratio, where a minimum 4.5:1 contrast ratio is expected.

Additional manual findings using NVDA screen reader

1. **SC 1.4.3 AA** – The ‘Accept’ button in the footer is low in contrast on hover and on focus. Currently, the foreground and background colors provide a 2.8:1 contrast ratio, where a minimum 4.5:1 contrast ratio is expected.
2. **SC 1.4.11 AA** – The focus indicator used throughout the site (foreground color #79B8F5) does not consistently provide sufficient contrast against various backgrounds. A contrast ratio of 3:1 is expected between focus indicator foreground and an adjacent background. For example: a background of #0077B7 results in a 2.3:1 contrast ratio, a background of #F1F1F1 results in 1.9:1 contrast ratio, a background of #FFFFFF results in 2.1:1 contrast ratio, a background of #757575 results in 2.2:1 contrast ratio, etc.
3. **SC 1.4.1 A** – The “Ovid Technologies, Inc.” link is only using color to visually distinguish itself as a link.
4. **SC 1.4.10 AA** – All page content does not reflow to fit in a viewport width of 320 CSS px wide when a viewport of that width is applied. A horizontal scroll bar becomes present.
5. **SC 2.5.3 A** – The ‘See our privacy policy for more information’ and ‘Accept’ elements in the cookie banner do not include their visible label in their programmatic name.

1. OVID Search Form Initial Landing

Source: <http://ovidsp.ovid.com/ovidweb.cgi?T=JS&NEWS=n&CSC=Y&PAGE=main&D=psyh>

Test case: Test initial interface to ensure menus, search boxes, links, icons/images, etc. are accessible.

The screenshot shows the Ovid search interface. At the top, there is a navigation bar with the Ovid logo, user account information (Wolters Kluwer), and links for My Account, Support & Training, Help, Feedback, and Logoff. Below this is a blue header with 'Search', 'My Workspace', and 'What's New' tabs. The main content area features a 'Search History (0)' section with a table for searches, including columns for #, Searches, Results, Type, Actions, and Annotations. Below the table are buttons for 'Save', 'Remove', and 'Combine with: AND OR'. Further down, there are buttons for 'Save All', 'Edit', and 'View Saved'. The 'Basic Search' section includes links for 'Find Citation', 'Search Tools', 'Search Fields', 'Advanced Search', and 'Multi-Field Search'. It shows '1 Resource selected' and 'APA PsycInfo 1906 to March Week 1 2021'. A search box contains the letter 'A' and a 'Search' button. Below the search box is a 'Limits' section with a 'close' link and a checked 'Include Related Terms' option. The limits are organized into three columns of checkboxes: 'APA PsycArticles Journals', 'Human', and 'Test DOI' in the first column; 'All Journals', 'English Language', and 'Open Access' in the second; and 'Latest Update', 'Abstracts', and 'Impact Statement' in the third. There is also a 'Publication Year' dropdown menu. At the bottom of the search section are 'Additional Limits' and 'Edit Limits' buttons. The footer contains language selection options (English, Français, Italiano, Deutsch, 日本語, 繁體中文, Español, 簡體中文, 한국어), links for 'About Us', 'Contact Us', 'Privacy Policy', and 'Terms of Use', and a copyright notice: '© 2021 Ovid Technologies, Inc. All rights reserved. Ovid.JI 04 12 01 011. SourceID 7b25af8f0e3e45cb065d02e59c55fad501d9039'.

Automated findings using Axe

1. No Issues

Additional manual findings using NVDA screen reader

1. No Issues

2. OVID Search Form - Search Results

Source: <https://ovidsp.dc2.ovid.com/ovid-b/ovidweb.cgi>

Test case: From initial interface, enter an advanced (default) search in the “keyword” search for: “covid-19 wellness” and select “Search”. If prompted, select subject headings “coronavirus” and “mental health” using the “and” combinator.

Test the results page by: navigating the results, navigating to the next and previous pages, jump to a specific page, navigating to a search result and locating a link for finding a copy at the current institute (only works if credentials tied to an institute)

Test search results page features, including: Sort by newest publication, Filter by year (current year), by publication type (peer reviewed journal), by journal (Journal of Adolescent Health) and remove filter by journal (All Journals), Use “Cite” on a search result entry and copy APA citation

The screenshot displays the Ovid search interface. At the top, there are navigation links for 'Search', 'My Workspace', and 'What's New'. Below this, a search history section shows the current search. The main search area includes a search bar with the text 'APA Psycinfo 1806 to March Week 1 2021'. Below the search bar, there are various filters and options, including 'Limits' (close), 'Map Term to Subject Heading', and checkboxes for 'APA PsycArticles Journals', 'Human', 'Test DOI', 'All Journals', 'English Language', 'Open Access', 'Latest Update', 'Abstracts', and 'Impact Statement'. The search results section shows a single result: 'Factors associated with psychological distress during the coronavirus disease 2019 (COVID-19) pandemic on the predominantly general population: A systematic review and meta-analysis. [References]'. The result includes author information (Wang, Yeli; Kala, Monica Palanichamy; Jafar, Tazeen H.), the journal name (PLoS ONE), volume and issue information (Vol. 15(12), 2020, ArtID e0244630), and the journal type (Journal; Peer Reviewed Journal). The year of publication is 2020. The page also shows search filters, options, and navigation links.

Automated findings using Axe

1. **SC 4.1.1 A** – There are several elements with IDs that are duplicated. Any elements that is assigned an ID must have a unique ID.
2. **SC 1.3.1 A** – In the ‘Search History’, the checkboxes for each search history entry are missing a programmatic label. Aria-label is used but it is empty.
3. **SC 1.4.3 AA** – The ‘Keep Selected’ link is low in contrast. Note: if the button is programmatically disabled then the minimum contrast requirement no longer applies.

Additional manual findings using NVDA screen reader

1. **SC 2.4.4 A** – There are several links that use similar link text but perform different actions. The programmatic link text does not indicate the unique purpose for the affected links. E.g. Cite, My Projects, Annotate, Abstract Reference, Complete Reference, etc.
2. **SC 2.4.6 AA** – There are several buttons that use similar button text but perform different actions. The programmatic button text does not indicate the unique purpose for the affected buttons. E.g. Abstract, Find Similar, Find Citing Articles
3. **SC 3.3.2 A** – The visible label for the ‘Range’ input field does not remain visible when a user focuses on the field and begins to enter data into the field.

4. **SC 4.1.3 AA** – The ‘COPIED’ status message is not automatically announced.
5. **SC 2.4.3 A** – A keyboard user is able to tab out of the ‘Cite’ modal.
6. **SC 1.3.1 A** – Some headings within the ‘Search Information’ section are not marked as headings.
7. **SC 1.1.1 A** – The up and down arrow characters representing ‘ascending’ and ‘descending’ in the Sort By field are not described.
8. **SC 4.1.2 A** – The currently selected filter option for all filters is not programmatically indicated.
9. **SC 4.1.2 A** – The filter expand/collapse sections are not semantically correct. The button has `tabindex=-1`, the button has no programmatic name/label, and there is an element nested in the button which is set to receive tab focus, has a programmatic name, with ARIA to indicate and expanded and collapsed state but has no role.

3. OVID Complete Reference Page

Source: https://ovidsp.dc2.ovid.com/ovid-b/ovidweb.cgi?&S=MACPFPFLEKEBLLIMIPPJAFPEOFHHA00&Complete+Reference=S.sh.21%7c2%7c1&Counter5=SS_view_found_complete%7c2020-88073-001%7cpsyh%7cpsycdb%7cpsyc17&Counter5Data=2020-88073-001%7cpsyh%7cpsycdb%7cpsyc17

Test case: Select an individual result by clicking on one record from the search results page. Please test: Determine if the institute owns the item, Find the permanent URL (Digital Object Identifier, DOI), Back to search results

The screenshot displays the Ovid Complete Reference page for a specific article. At the top, the Ovid logo and navigation links (My Account, Support & Training, Help, Feedback, Logoff) are visible. Below the search bar, there are navigation options: Search, My Workspace, and What's New. A 'Back to Search Results' link is present. The main content area shows search results for '2 of 485 Results'. The selected result is displayed with the following metadata:

- Accession Number:** 2020-88073-001
- Title:** COVID-19 pandemic impact on children and adolescents' mental health: Biological, environmental, and social factors. [References]
- Publication Date:** Mar 2, 2021
- Year of Publication:** 2021
- Publication History:** First Posting: Nov 2020; Accepted: Nov 2020; Revised: Nov 2020; First Submitted: Aug 2020
- Language:** English
- Author:** de Figueiredo, Camila Saggiolo; Sandre, Poliana Capucho; Portugal, Liana Catarina Lima; Mazala-de-Oliveira, Thalita; da Silva Chagas, Luana; Raony, Igor; Ferreira, Elenn Soares; Giestal-de-Araujo, Elizabeth; dos Santos, Aline Araujo; Bomfim, Priscilla Oliveira-Silva.
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The right sidebar contains a 'Tools' section with the following options:

- Abstract Reference
- Cite
- Find Similar
- Find Citing Articles
- My Projects
- Annotate

Automated findings using Axe

1. **SC 1.4.3 AA** – The 'Keep Selected' link is low in contrast. Note: if the button is programmatically disabled then the minimum contrast requirement no longer applies.

Additional manual findings using NVDA screen reader

1. **SC 2.4.2 A** – The page title (Ovid: Complete Reference) does not clearly indicate the main content / purpose of the page.
2. **SC 3.3.2 A** – The visible label for the 'Go to result' input field does not remain visible when a user focuses on the field and/or begins to enter data into the field.