

HEALTH SCIENCE LIBRARY

Homepage Critique

David King, Jr.

Presented @ UofL – September 11, 2019



WHO IS THIS GUY?



DAVID KING, JR.

- SW Engineer & Web App Developer
- Educator's heart
- Artist (theatre, drawing & painting)
- Spacemacs/VIM user
- Cardinal trapped in Gator land for the past 12 years
- Father of a cat

Enough about me...
Let's get to it!

EVALUATION CRITERIA

Some of the criteria I used to evaluate a homepage



FORM

- Visual appeal
- Engaging user interface
- Layout consistency
- Good use of graphics
- *Pixel perfection?!?*



FUNCTION

- Passive or Active Voice
- Describes what the library has to offer
- Provides address/location/availability
- Provides staff information
- Library news/updates
- *What is the library special for?*



ACCESSIBILITY

W3C standards (Alt, Aria, etc.)

- HTML5 semantic markup (header, footer, etc.)
- Keyboard navigation
- Screen reader friendly
- Contrasting colors

Let's look at some sites...



Search. Discover. Share.

Primo All Search

Catalog

Databases

eBooks

eJournals

Research Guides

Search for articles, books and more via



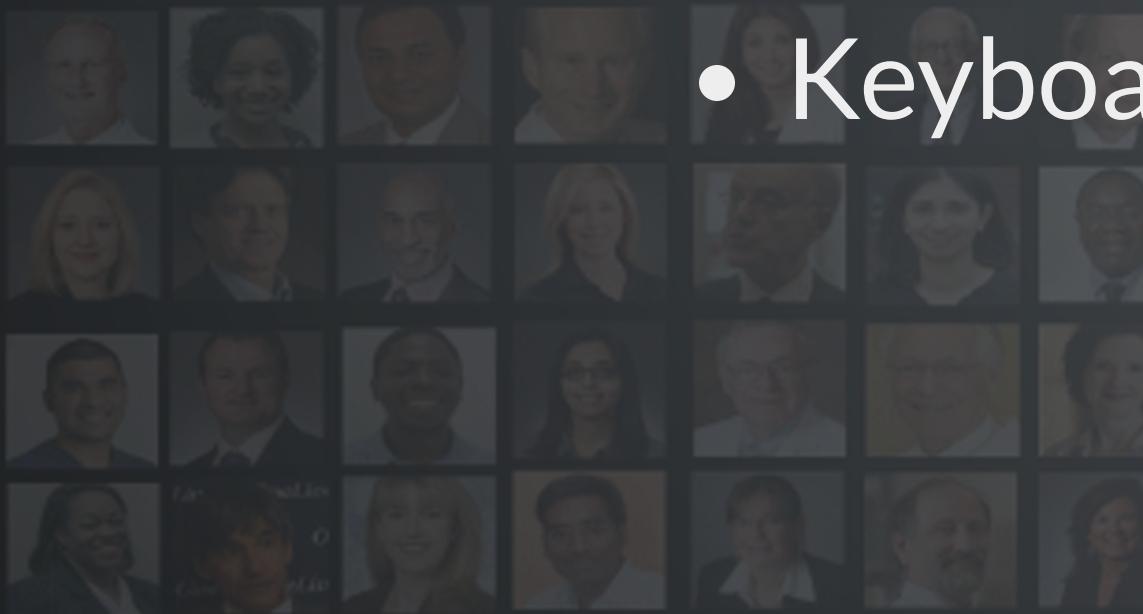
Off Campus Access

- Wordpress-Based Site (PHP)
- Bootstrap CSS Framework
- Uses custom template with semantic markup
- Keyboard navigation is good



NEWS AND EVENTS

Baylor Scott & White • Research Spotlight 2018 • Baylor Health Sciences Library

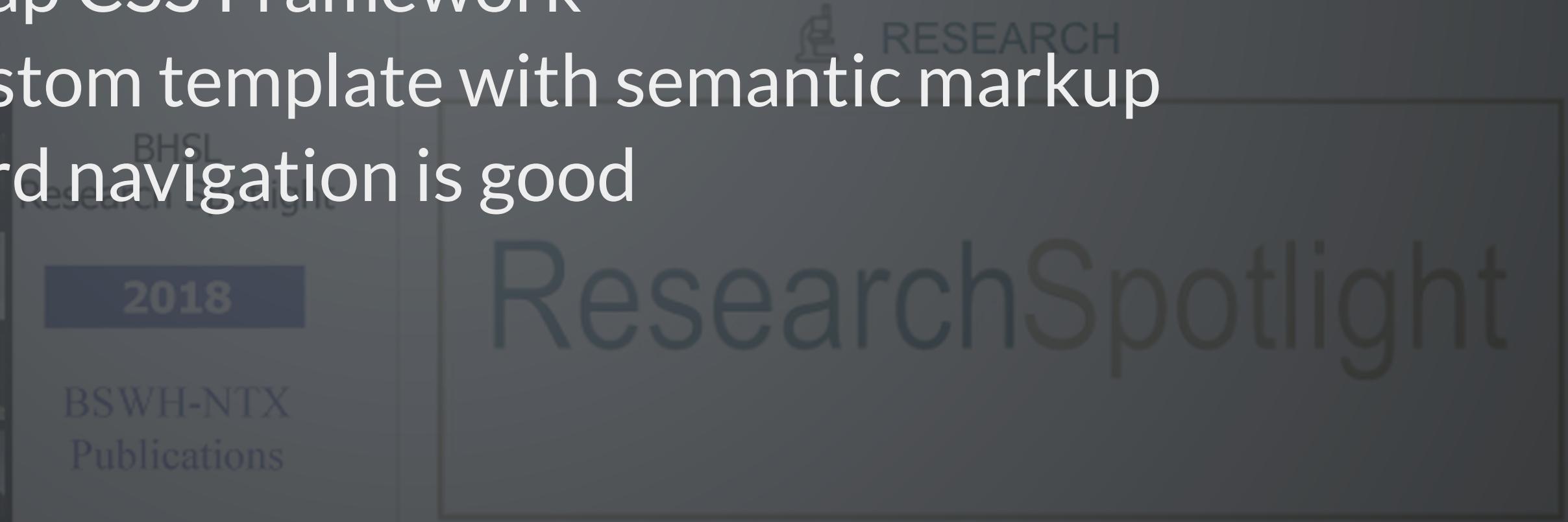


2018

BSWH-NTX
Publications



RESEARCH



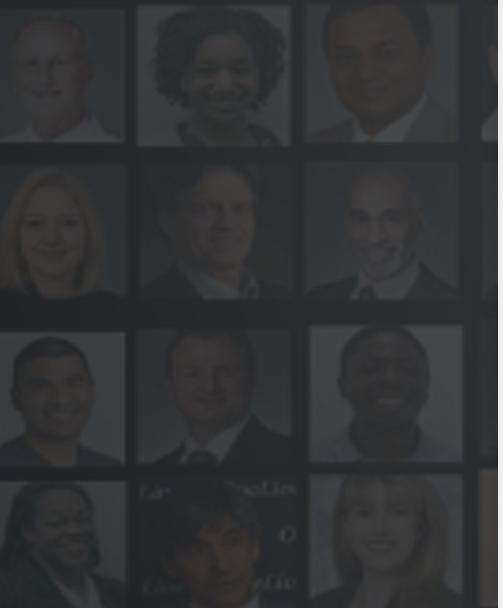


Primo All Search

Search for a

Off Campu

Baylor Scott & White • Research Sp



WHAT I LIKE...

The screenshot shows the homepage of the Baylor Health Sciences Library. At the top, there's a masthead with the Baylor logo and the text "Search. Discover. Share.". Below it is a navigation bar with tabs: Primo All Search (which is active), Catalog, Databases, eBooks, eJournals, and Research Guides. A search bar is positioned below the tabs. To the right of the search bar is a "Search" button. Below the navigation bar is a section titled "Off Campus Access". Further down, there are sections for "NEWS AND EVENTS" (featuring a "BHSL Research Spotlight 2018" grid of portraits) and "RESEARCH" (featuring a large "ResearchSpotlight" box). At the bottom of the page are links for "SERVICES", "RESOURCES", "ABOUT", and "HOURS". The "HOURS" section includes a table of operating times for Monday through Sunday.

- 1 Integrated search in hero/masthead
- 2 Various tabs provide more useful options
- 3 Library News
- 4 Research focus box next to news
- 5 Info/link boxes are consistent and mostly the same height (mostly).

Primo All Search

Search for a

Off Campu

Baylor Scott & White • Research Sp

WHAT I DON'T LIKE...

The screenshot shows the Baylor Health Sciences Library homepage. A red arrow labeled 1 points to the 'Research Guides' tab, which is highlighted in blue. Another red arrow labeled 2 points to the search bar, indicating it's part of a tab-based search system. A third red arrow labeled 3 points to the 'Ask a Librarian' button, which is positioned vertically on the right side of the page. A fourth red arrow labeled 4 points to the 'Research Spotlight' section, which is centered on the page but has significant white space around it.

1 Big problem clicking this tab—does not function like other tabs

2 Switch search via tabs (not global)

3 Content not full-width (arbitrary whitespace)

4 Poor accessibility score



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3302 Gaston Avenue, Dallas, TX 75246
Dental: 214-828-8151 | Medical: 214-820-2377
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Primo All Search

Catalog

Databases

eBooks

eJournals

Research Guides

Search for articles, books and other media

ACCESSIBILITY SCORE

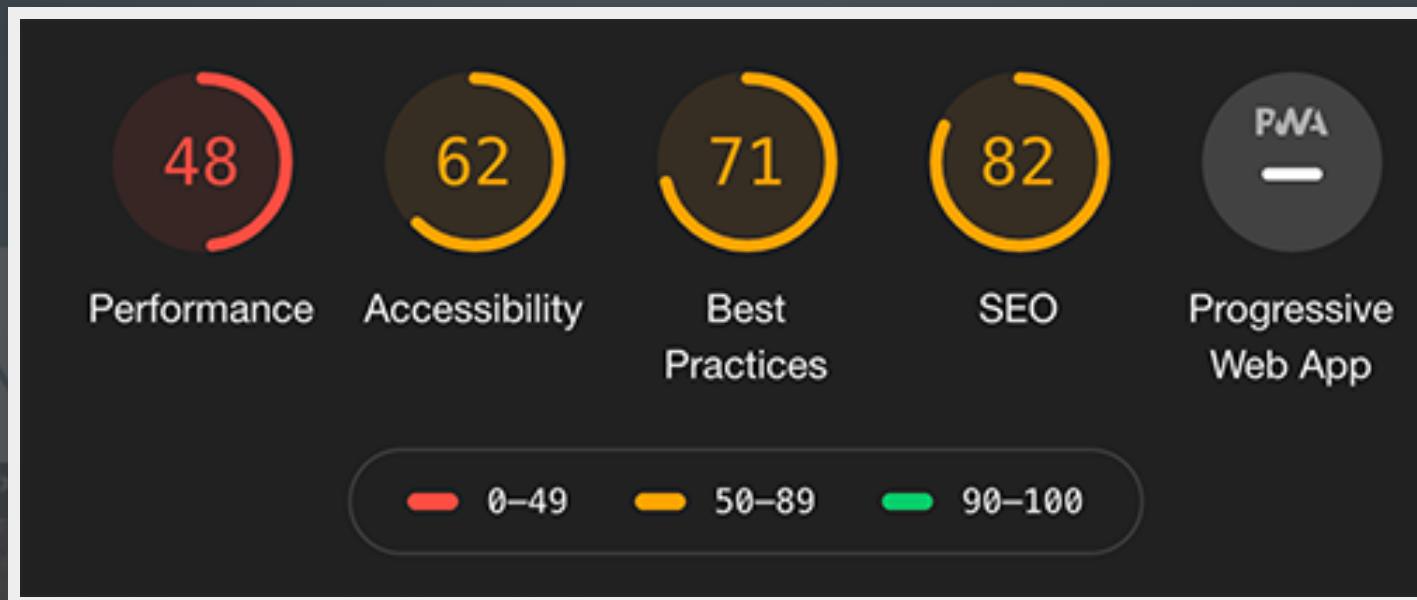
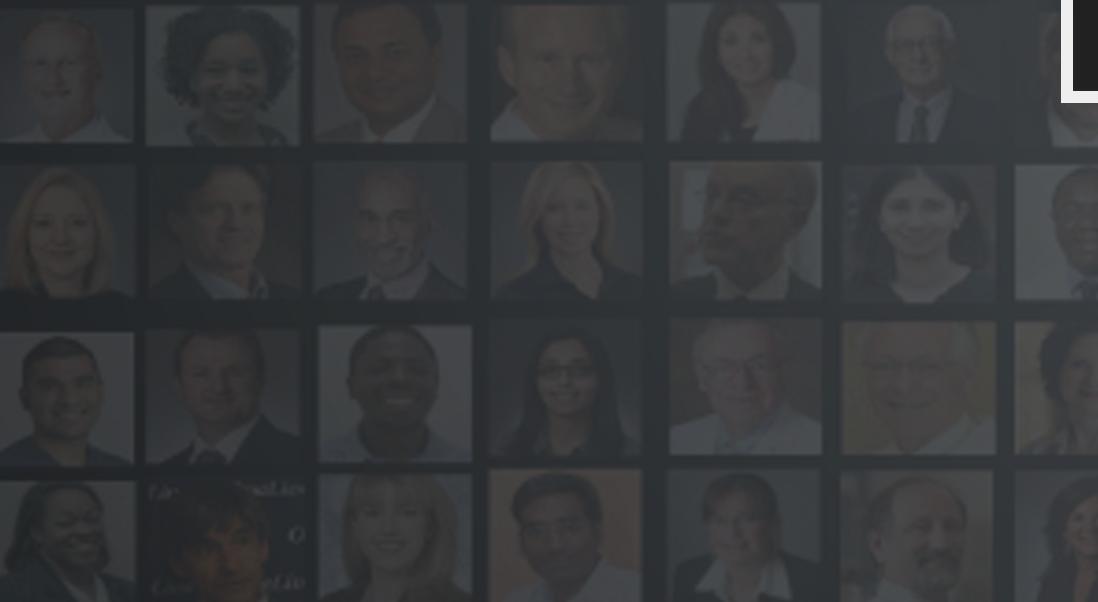
Search

Off Campus Access



NEWS AND EVENTS

Baylor Scott & White • Research Spotlight 2018 • Baylor Health Sciences Library



RESEARCH SPOTLIGHT

2018

BSWH-NTX
Publications

ResearchSpotlight

ACCESSIBILITY REPORT

Search. Discover. Share.

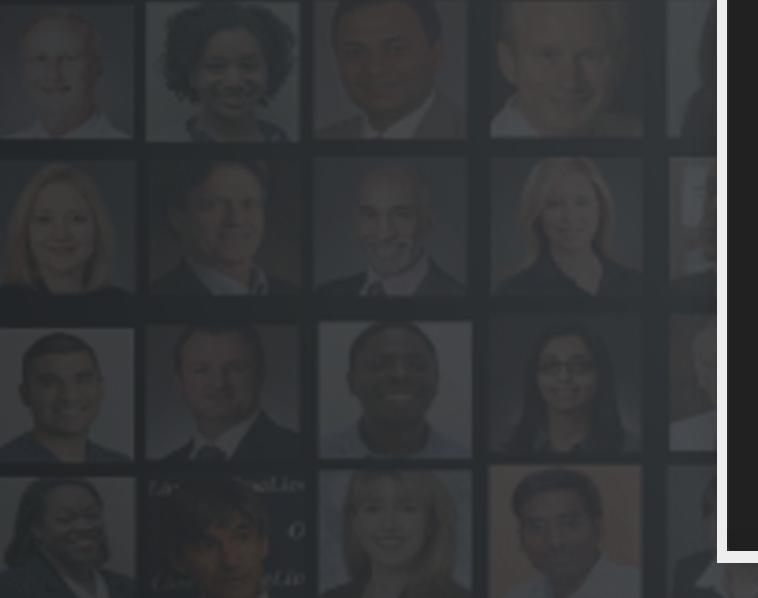
Primo All Search

Search for articles, b

Off Campus Access

NEWS

Baylor Scott & White • Research Spotlight 2018 • R



Accessibility

These checks highlight opportunities to [improve the accessibility of your web app](#). Only a subset of accessibility issues can be automatically detected so manual testing is also encouraged.

Contrast — These are opportunities to improve the legibility of your content.

▲ Background and foreground colors do not have a sufficient contrast ratio.

Best practices — These items highlight common accessibility best practices.

▲ [id] attributes on the page are not unique

Names and labels — These are opportunities to improve the semantics of the controls in your application. This may enhance the experience for users of assistive technology, like a screen reader.

▲ Image elements do not have [alt] attributes

▲ Form elements do not have associated labels

▲ Links do not have a discernible name

Research Guides

LIBRARY SEARCH MELVYL CATALOG SITE SEARCH

Search articles, books and more

Almost Everything

Library Catalog

Courses

UC IRVINE



GRUNIGEN MEDICAL LIBRARY

Today's Hours: closed - closed

[More Hours](#)

GRUNIGEN MEDICAL LIBRARY

- Drupal-based Site (PHP)
- Bootstrap CSS Framework
- Uses custom template with semantic markup
- Keyboard navigation is good

Core Resources

Library Search

BoardVitals FNP

Cochrane Library

LWW Health Library

NIH Policy Guide

Isabel

Micromedex

PubMed@UCI

JAMAevidence

NEJM Journal Watch

Scopus

DynaMed Plus

DynaMed Plus
New!

WHAT I LIKE...

The screenshot shows the UCI Libraries homepage with several user interface elements highlighted by green arrows and numbered callouts:

- 1** Visually appealing tabs: Points to the main navigation tabs: LIBRARY SEARCH, MELVYL CATALOG, and SITE SEARCH.
- 2** Clear search control: Points to the search bar labeled "Search articles, books and more" with a magnifying glass icon.
- 3** Core resources Above-the-Fold: Points to the "Core Resources" section containing links to various databases and tools.
- 4** Appealing colors/ contrasting: Points to the "DynaMed Plus" hero box featuring a doctor holding a tablet.
- 5** Well designed "Hero" box: Points to the "DynaMed Plus" hero box.

FIND Books & Collections

SERVICES Service Points & Tools

ABOUT Visiting & Contacts

HELP Ask a Librarian & Guides

LOCATIONS **CONNECT FROM OFF-CAMPUS**

UCI Libraries

GRUNIGEN MEDICAL LIBRARY

Today's Hours: closed - closed

714-456-5585 | Email Library | Get Directions | UCIMC Map

Core Resources

Library Search | AccessMedicine | BMJ Best Practice
BoardVitals Exam Prep Tool | Case Files Collection | CINAHL Complete
Cochrane Library | DynaMed | Isabel
LWW Health Library | Micromedex | NEJM Journal Watch
NIH Policy Guide | PubMed@UCI | Scopus
Subject Guides | UpToDate | VisualDx

DynaMed Plus

New Core Resources

BMJ Case Reports

BMJ Case Reports is a journal that delivers a focused, peer-reviewed, valuable collection of cases in all disciplines so that healthcare professionals, researchers and others can easily find clinically important information on common and rare conditions.

UCI Authors in PubMed

Z-isomerization of retinoids through combination...
Org Biomol Chem. 2019 Aug 28
Kahremany S, Sander CL, et al.

Indoor boundary layer chemistry modelling...
Indoor Air. 2019 Aug 28
Morrison G, Lakey PSJ, et al.

Intra-individual changes in methyome profiles: ...
Neuropharmacology. 2019 Aug 30
Mortazavi A, Baram TZ

Thyroid disease in end-stage renal disease...
Curr Opin Nephrol Hypertens. 2019 Sep 02
Rhee CM

Find at GML

Services | UCIMC | About GML

Order Documents | Evidence-Based Instruction
Computing | Reserve a Room
Printing & Copying | Mobile Printing
Equipment Loans

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Thyroid disease in end-stage renal disease...
Curr Opin Nephrol Hypertens. 2019 Sep 02
Rhee CM

WHAT I DON'T LIKE...

The screenshot shows the UCI Libraries homepage with several user interface elements highlighted by red arrows and numbered circles:

- Annotation 1:** Points to the search control options in the top right corner, specifically the "HOURS", "ACCESSIBILITY", "ACCOUNTS", and "GIVING" links.
- Annotation 2:** Points to the "Today's Hours: closed - closed" message and the "More Hours" link.
- Annotation 3:** Points to the "Core Resources" grid, suggesting it should be combined with the slider.
- Annotation 4:** Points to the "Dismissable Help Widget" at the bottom right.

Annotations:

- Muddled search control options (tab, radios, etc.)
- Needs better information on what this is or a Call-To-Action to click on it.
- Should combine these into one with the slider and positioned where the DynaMed Plus banner is located.
- Dismissable Help Widget can't be brought back

LIBRARY SEARCH

MELVYL CATALOG

SITE SEARCH

Search articles, books and more

Almost Everything

Library Catalog

Course Reserves



714.

Core Resources

Lib Library Search

BoardVitals FNP

Cochrane Library

LWW Health Library

NIH Policy Guide

M AccessMed

M Case Files Collection

Isabel

Micromedex

PubMed@UCI

E CINAHL Complete
Jb JAMAEvidence

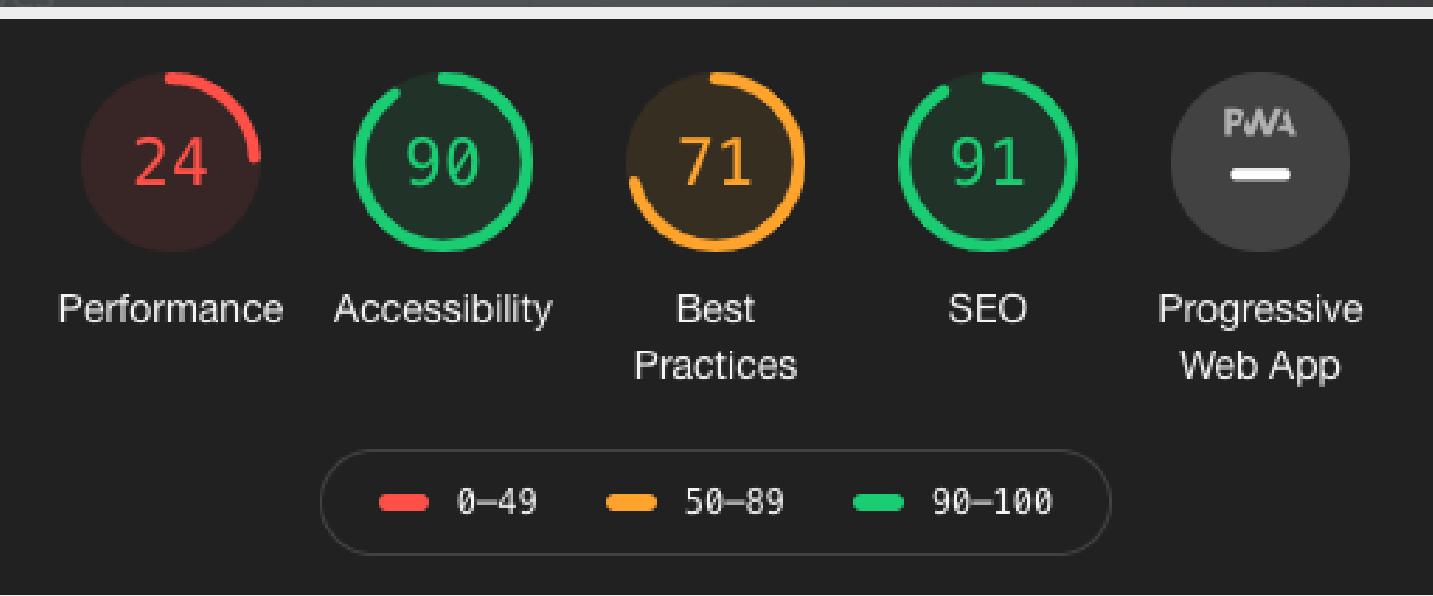
N NEJM Journal Watch

Scopus

ACCESSIBILITY SCORE

Today's Hours: closed - closed

[More Hours](#)



CIMC Map

DynaMed Plus

DynaMed Plus

New!

ACCESSIBILITY REPORT



Accessibility

These checks highlight opportunities to [improve the accessibility of your web app](#). Only a subset of accessibility issues can be automatically detected so manual testing is also encouraged.

ARIA — These are opportunities to improve the usage of ARIA in your application which may enhance the experience for users of assistive technology, like a screen reader.

▲ [aria-*] attributes do not have valid values

Contrast — These are opportunities to improve the legibility of your content.

▲ Background and foreground colors do not have a sufficient contrast ratio.

Best practices — These items highlight common accessibility best practices.

▲ [id] attributes on the page are not unique

Additional items to manually check (11) — These items address areas which an automated testing tool cannot cover.

Learn more in our guide on [conducting an accessibility review](#).

Core Resources

Library Search

BoardVitals FNP

Cochrane Library

LWW Health Library

NIH Policy Guide

PubMed@UCI

Scopus

SUNY UPSTATE MEDICAL COLLEGE HEALTH SCIENCES LIBRARY

- Custom CMS (PHP)
- Bootstrap CSS Framework
- Custom semantic markup
- Keyboard navigation is good

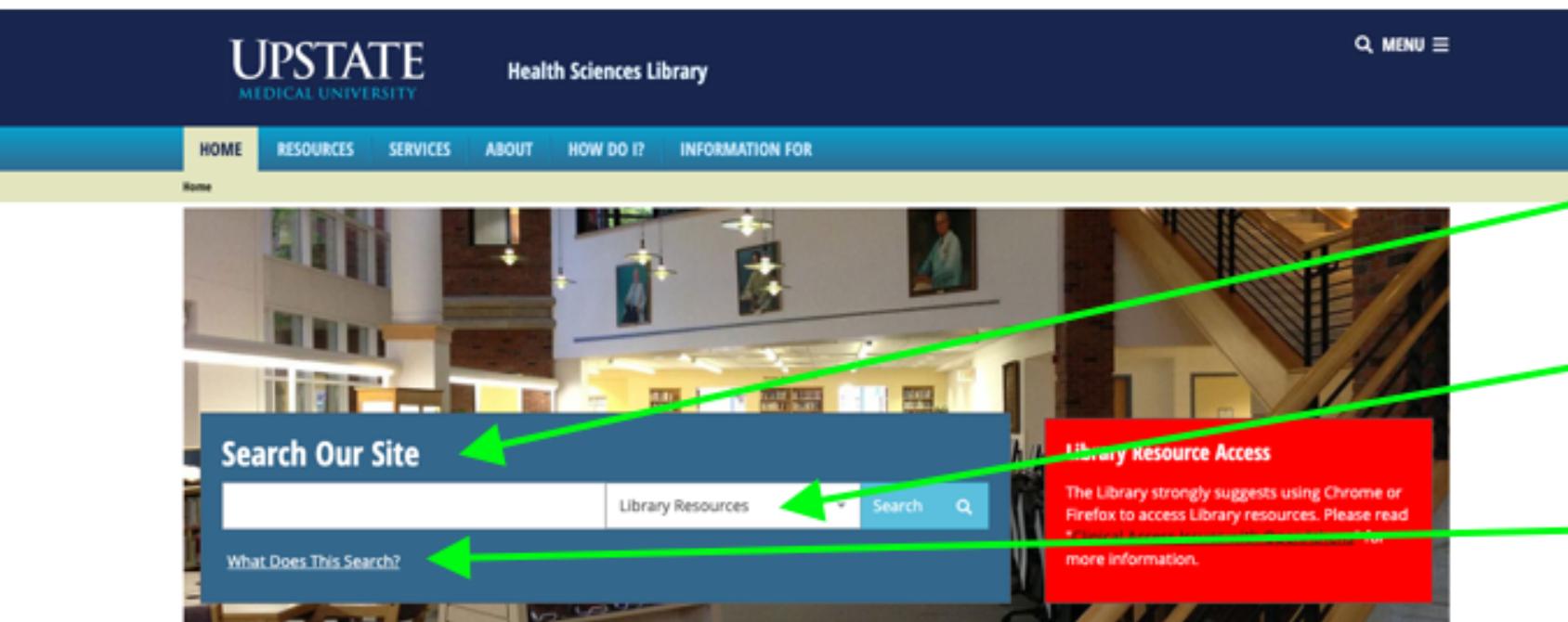
HOME

ABOUT

COLL

Home

WHAT I LIKE...



1 Global Search!

2 Dropdown filter vs.
Tabs or Radio
buttons

3 On-screen help

4 Good mixture of
2 and 3-column
layouts

Health Sciences Library

Notice: Beginning July 15, 2019, journal searching and article linking available from these webpages will begin to be redirected through a new system called Primo. The transition from different vendors to the new system will occur through the end of July. For more information, visit the library's page on [Primo](#).

As of May 22nd, all Library Resources will need to be accessed through OpenAthens. For more information, go to our [OpenAthens LibGuide](#).

Quick Links

Access Suite	CINAHL	Cochrane Library
Embase	EndNote	Lexi-Comp
Medline (Ovid)	Nursing Reference Center +	PsyCINFO
PsychiatryOnline	PubMed	RefWorks
Scopus	UpToDate	VisualDx

Library Hours

Saturday, September 7, 2019
Health Sciences Library 10:00am - 9:00pm
Reference 10:00am - 2:00pm
Archives and Special Collections Closed
View Library Hours

Library Services

The Health Sciences Library provides a wide-range of services for various audiences.

- [InterLibrary Loan](#)
- [Study Rooms](#)
- [Literature Search Request](#)
- [Suggest A Purchase](#)

Resources

The Health Sciences Library provides access to a multitude of electronic resources and curated content guides.

- [Databases](#)
- [eBooks](#)
- [Journals by Title](#)
- [Subject Guides](#)

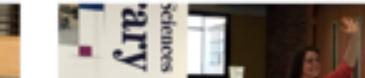
Archives & Special Collections



Reference Services



Library Outreach



HOME

ABOUT

COLL

Home

The Archives & Special Collections department is comprised of two units: University Archives, and Special Collections. The collections are open to the public and available for use on the second floor of the Health Sciences Library.

Our librarians are dedicated to supporting the academic, research, and clinical activities of Upstate Medical University by meeting the information needs of our customers through the provision of individualized services.

The staff of Upstate Sciences Library promotes a healthy community through a variety of activities in the greater CNY area.

Library Outreach

Therapy Dog Thursday is Back! - Sept 5

HSL Labor Day Weekend Hours

Performance update on the new library search interface Primo

Information for users of EndNote on a Mac

Twanna Hodge Receives CLRC Professional Development Award

EndNote version 9 now available

August Facility Updates

RD VI

Board Vitals - USMLE & Shelf Exam Prep

Upstate Medical University

Patient Care

More Links

Social Media

Upstate News

About Upstate

Maps & Directions

Upstate Calendars

Search Upstate

Jobs

Volunteer

Give to Upstate

Contact

iPage

Upstate University Hospital

Upstate Golisano Children's Hospital

Upstate University Hospital at Community

Upstate Cancer Center

Women's Health

Find a Doctor

MyChart

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Contact Devin Kerr with questions about the content of this page.

Well aligned
info boxes with
consistent layout

5

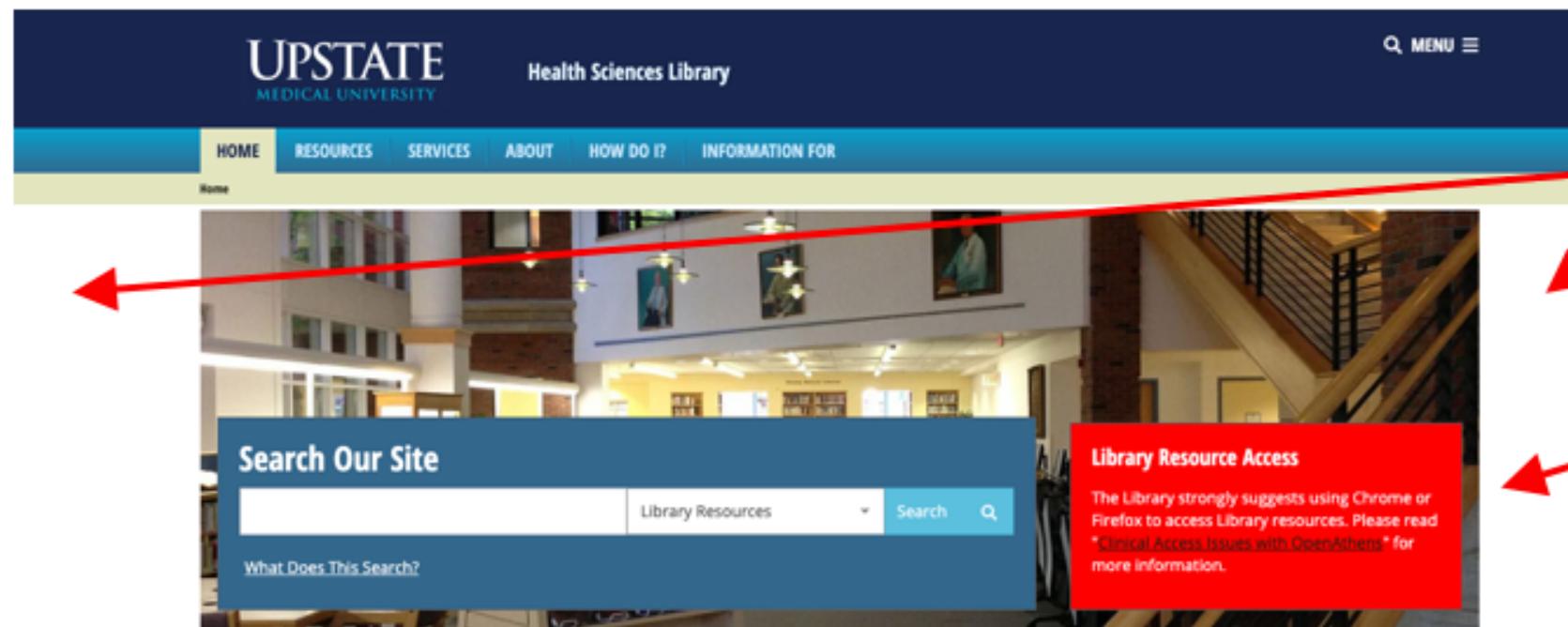
HOME

ABOUT

COLL

Home

WHAT I DON'T LIKE...



Wasted space.
Content area should
be full screen.

Swap these boxes
for consistency

Header sizes are
different sizes on the
same plane

This button could be
moved to clickable
header.

The main content area has several sections: "Health Sciences Library", "Quick Links", "Library Hours", "Library Services", "Resources", "Contact The Library", "Archives & Special Collections", "Reference Services", and "Library Outreach". Red arrows point from numbered callouts to specific elements:

- Arrow 1 points to the "Search Our Site" box on the banner.
- Arrow 2 points to the "Library Resource Access" box on the banner.
- Arrow 3 points to the "Quick Links" section, which is taller than the "Library Hours" section.
- Arrow 4 points to the "View Library Hours" button, which is located in a separate box below the "Library Hours" table.

These box heights

HOME

ABOUT

COLL

Home

These box heights are not equal.

4

Archives & Special Collections

The Archives and Special Collections department is comprised of two units: University Archives, and Special Collections. The collections are open to the public and available for use on the second floor of the Health Sciences Library.

[Archives & Special Collections >](#)

Reference Services

Our librarians are dedicated to supporting the academic, research, and clinical activities of Upstate Medical University by meeting the information needs of our customers through the provision of individualized services.

[Reference Services >](#)

Library Outreach

The staff of Upstate Sciences Library promotes a healthy community through a variety of activities in the greater CNY area.

[Library Outreach >](#)

Library News

Therapy Dog Thursday is Back! - Sept 5

HSL Labor Day Weekend Hours

Labor Day weekend hours at the Health Sciences Library

[LIBRARY NEWS](#)

Performance update on the new library search interface Primo

Recently, the library rolled out a new search interface called Primo. While there are many positive new features in this system, library staff are...

[ITEMS OF INTEREST](#)

Information for users of EndNote on a Mac

With the release of macOS 10.15 Catalina, Apple will be ending support for 32-bit application support, which will impact EndNote. EndNote will issue...

[ITEMS OF INTEREST](#)

RD VI

Board Vitals - USMLE & Shelf Exam Prep

Twanna Hodge Receives CLRC Professional Development Award

Twanna Hodge was named one of Central New York Library Resource Council's (CLRC) most recent award recipients for the Professional Development Awards.

[LIBRARY NEWS](#)

EndNote version 9 now available

EndNote users, please visit our downloads page to update to version 9. Your existing EndNote libraries will remain intact and accessible from EndNote...

[ITEMS OF INTEREST](#)

August Facility Updates

Health Sciences Library facility updates for August 2019

[LIBRARY NEWS](#)

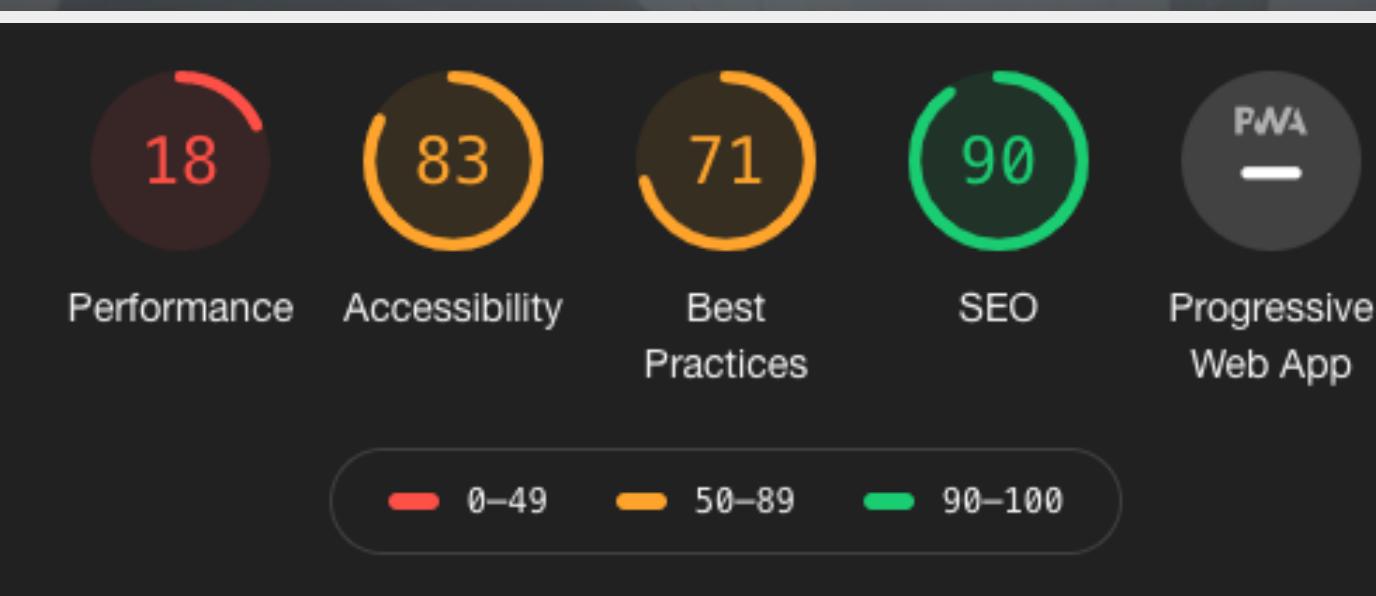
Upstate Medical University	Patient Care	More Links	Social Media
Upstate Leadership	Upstate University Hospital	Upstate News	Upstate Social Media
Mission, Vision, Values	Upstate Golisano Children's Hospital	About Upstate	
College of Medicine	Upstate University Hospital at Community	Maps & Directions	
College of Nursing	Upstate Cancer Center	Upstate Calendars	
College of Health Professions	Women's Health	Search Upstate	
College of Graduate Studies	Find a Doctor	Jobs	
Health Sciences Library	MyChart	Volunteer	
Alumni & Friends		Give to Upstate	
Visitor's Guide		Contact	
		iPage	

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Contact Devin Kerr with questions about the content of this page.

ACCESSIBILITY SCORE



ACCESSIBILITY REPORT

[HOME](#)[ABOUT](#)[COLLECTIONS](#)[EXHIBITS](#)[FINDING AIDS](#)[SUPPORT](#)[LIBRARY HOME](#)

Home



Accessibility

These checks highlight opportunities to [improve the accessibility of your web app](#). Only a subset of accessibility issues can be automatically detected so manual testing is also encouraged.

Contrast — These are opportunities to improve the legibility of your content.

▲ Background and foreground colors do not have a sufficient contrast ratio.

Tables and lists — These are opportunities to to improve the experience of reading tabular or list data using assistive technology, like a screen reader.

▲ <dl>'s do not contain only properly-ordered <dt> and <dd> groups, <script> or <template> elements.

Names and labels — These are opportunities to improve the semantics of the controls in your application. This may enhance the experience for users of assistive technology, like a screen reader.

▲ Form elements do not have associated labels

▲ Links do not have a discernible name

SOME TAKEAWAYS

- Library websites are not just utilities
- Library websites are evolving but lag behind greater organization pages
- Need more emphasis on active voice (calls-to-action, etc.)
- Lots of noise on pages (abundance of links without context)

IMPROVEMENTS

- Have a Call-To-Action, a focal point beyond just search
- Improve layouts (equisize boxes, pixel perfect CSS, etc.)
- Use a layout editor (Sketch, Adobe XD, etc.) to layout pages first
- Reduce noise (cluster links into menus)
- Watch accessibility issues closely!

MY TOOLS AND TIPS

DESIGN

- Sketch (New!)
- Photoshop
- Screenflow
- Affinity Photo (new)
- XD (Free Sketch alt.)

CODE

- Spacemacs
- A Live Reload Server
- Various JetBrains IDEs

TESTING

- Chrome DevTools
- Google Lighthouse
- Selenium WebDriver

? QUESTIONS ?



This presentation was coded using
RevealJS