

Introduction

It is with great pride that I share with you the Health Sciences Library's latest Milestones and Accomplishments report for 2021. This year, we are presenting our library data in an interactive digital story-telling format with text, photos and videos—created by the talented staff in our own Medical Visuals Department.

We look back on the last year with immense gratitude. Your continued support makes it possible for us to grow our research and education services, our current and historical collections and our physical spaces, and provide professional development opportunities for library employees.

Please stay connected with us! Keep an eye on our website and social media channels for future events and activities. You can find links at the end of this report.

With appreciation and warm wishes for a safe and relaxing summer,

Lynda Hartel, MLS Assistant Vice President, Health Sciences Director, Health Sciences Library The Ohio State University





Teaching and Learning

Delivering Information in a Virtual/Hybrid World

For the health and safety of our teachers and learners, the Health Sciences Library offered instruction in predominantly virtual format in 2021, as pandemic conditions continued. We also implemented a robust marketing plan for workshop promotion and gathering metrics.

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The Health Sciences Library is an essential component to the success of students in the Masters of Clinical Research (MCR) program in the College of Nursing. Our program is more robust because of the services provided by the HSL.

- Carolynn T. Jones, DNP, MSPH, RN, CRN-BC, FAAN, professor of clinical nursing, College of Nursing



Library Delivers Instructional Sessions

Health Sciences Library instruction for fiscal year 2021 totaled **79 instructional sessions** with **1,345 attendees**.



The library's team of four research and education librarians led **23 public workshops**, with nearly **400 total attendees.**

"The presenter was FABULOUS. Extremely knowledgeable and articulate. Her pleasant demeanor and commentary kept me attentive throughout."

- NVivo attendee

"This workshop was extremely informative and helpful! I learned a lot and the content was very thorough! I think the examples were very useful in understanding this material!"

- Advanced PubMed attendee

"Thanks much. The librarians do a terrific job!"

- CINAHL attendee



Medical Visuals provided several educational opportunities to various audiences in the Ohio State community.

- Partnership with The Ohio State University Libraries Research
 Commons to present a data visualization webinar to Oral
 Biology graduate students.
- Partnership with 2nd year medical students and the College of Medicine Humanism in Medicine program to present a visual note-taking webinar for 1st year medical students, positioning Medical Visuals as a primary resource for visual communication.

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In-Depth Subject Guide Usage

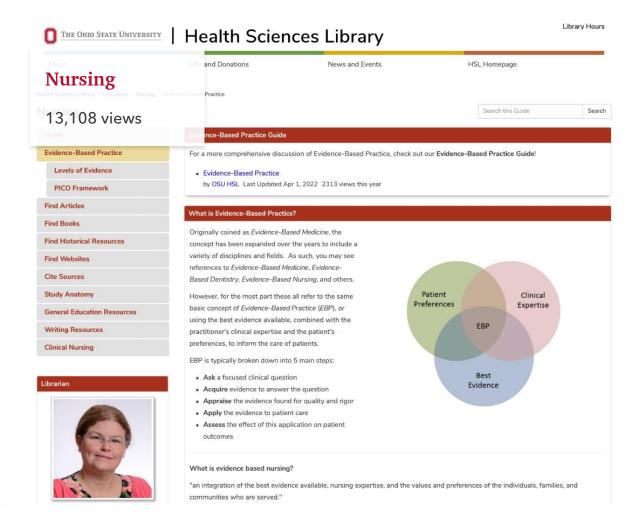
Health Sciences Library subject guides were viewed more than 75,000 times in 2021, a 79% year-over-year growth rate over

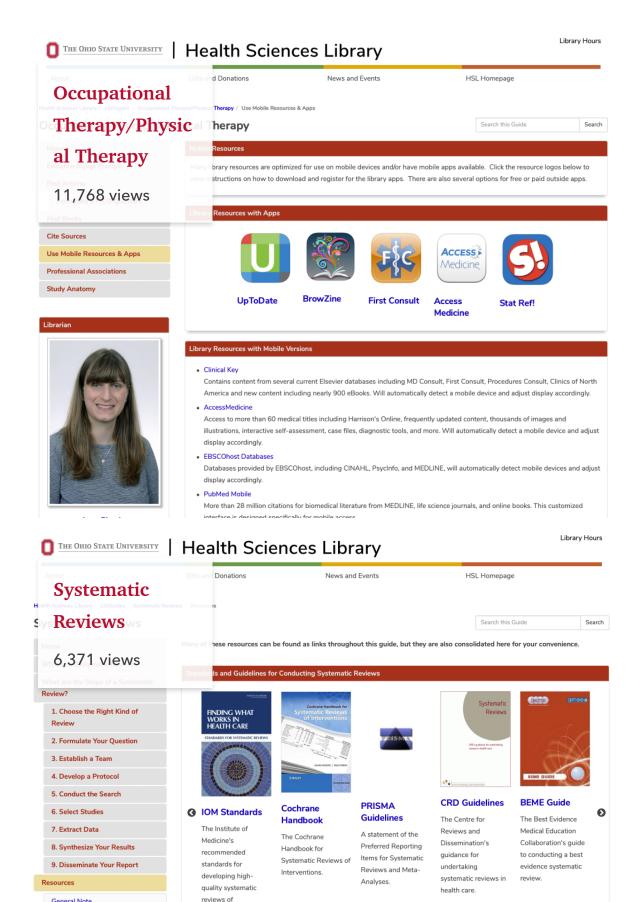
2020. These comprehensive guides require many hours to develop, and can be referenced in Ohio State course materials.

Other newer subject guides used in 2021 include the Covid-19 guide, Healthcare Executives guide, and Anti-racism guide.

These resources were developed in response to community needs.

View Our Subject Guides





Search for More Information on Conducting Systematic Reviews The following is a basic PubMed search for publications about the

(review literature as topic[mh] OR publishing/standards[mh]) AND "systematic review"

comparative

effectiveness research.

Standards and Guidelines for

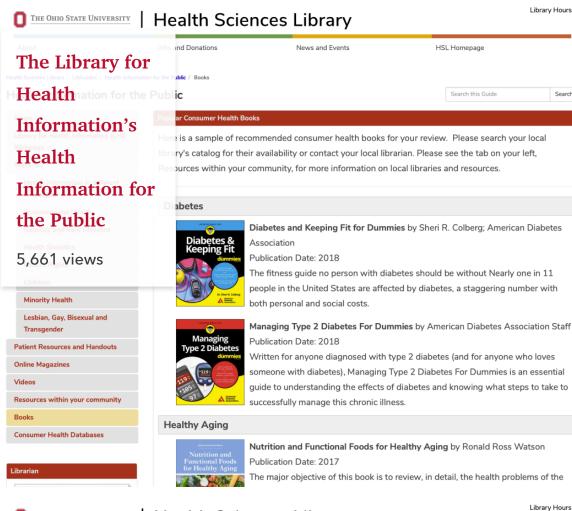
Conducting Systematic Reviews

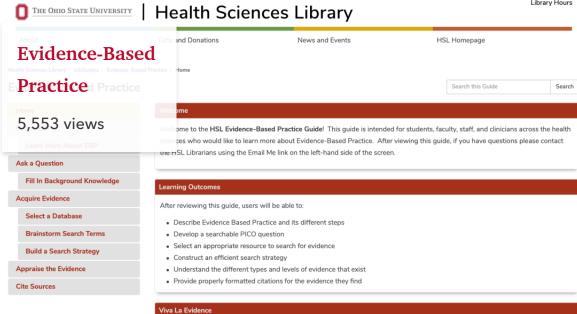
Conducting Systematic Reviews

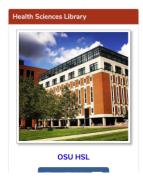
Systematic Review Tools

Citation Management Tools

The following is a basic PubMed search for publications about the process of conducting and/or writing up systemtic reviews. Modify the search however you need to find more specific topics:









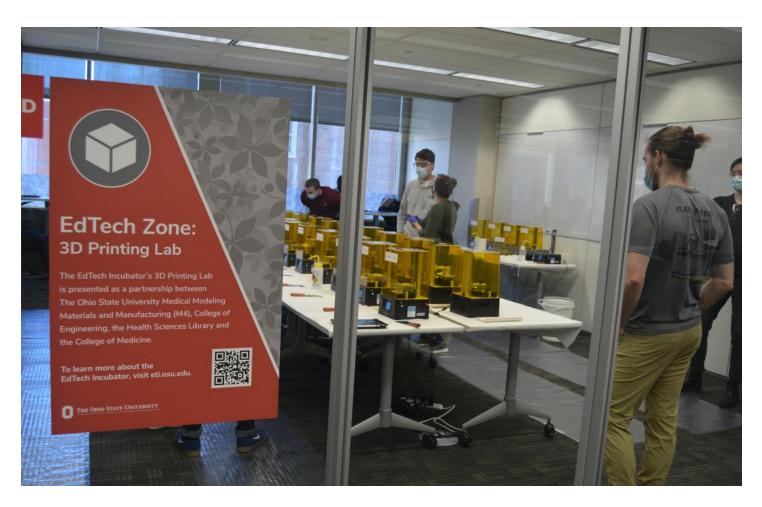


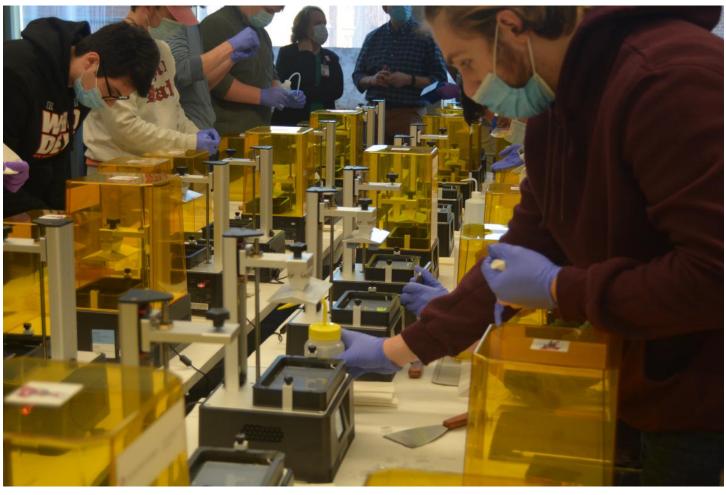


Research and Innovation

Enabling Greater Research Impact and Efficiency

The Health Sciences Library is a key collaborator in the research process. Our faculty and staff provide in-depth health sciences-related support to Ohio State and Wexner Medical Center researchers.











Launch of EdTech Incubator Steering Committee

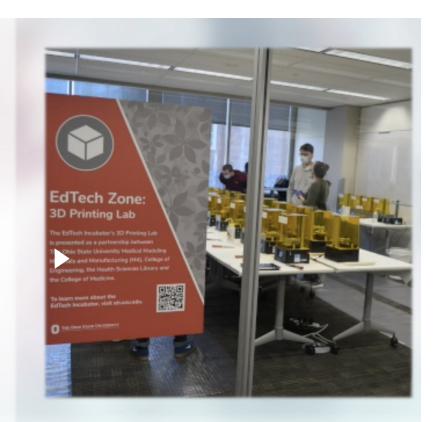
The EdTech Incubator (ETI) is a collaborative initiative between the following Ohio State units: College of Medicine, School of Health and Rehabilitation Sciences, College of Engineering Center for Design and Manufacturing Excellence (CDME), Health Sciences Library and Wexner Medical Center Information Technology.

In the coming year, the steering committee will be taking a closer look at future health sciences curricula integration for the ETI technology zones.

ETI steering committee members meet regularly and play an important role in setting the direction for the Incubator and making decisions related to the technology that is included in the technology zones. Members include faculty and staff from

partner units, as well as medical student and resident representatives.

The ETI 3D Printing Lab is presented as a partnership between The Ohio State University Medical Modeling Materials and Manufacturing (M4), College of Engineering, the Health Sciences Library and the College of Medicine.



The ETI is designed to serve as an innovation hub for medical and health sciences faculty, staff and learners at Ohio State. Hands-on technology experience zones will include a 3D printing lab, virtual/augmented reality, anatomy visualization, DIY lightboard/video studio and a technology-equipped classroom to accommodate in-person, virtual and hybrid teaching modalities.

The ETI is located on the HSL's 4th floor. Programming for the 3D printing and virtual/augmented reality zones is currently being developed. Please visit the ETI website at eti.osu.edu to find out how you can get involved with this exciting initiative.

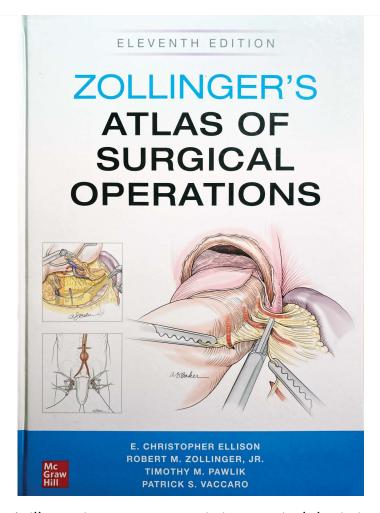


Anthony Baker Contributes 150 Illustrations to the 11th Edition of the Zollinger Surgical Atlas

Anthony Baker, lead medical illustrator in the Health Sciences Library's Medical Visuals department, completed a two-year illustration project for the 11th edition of Zollinger's Atlas of Surgical Operations. Anthony created 150 medical illustrations in 14 atlas chapters. The 11th edition was published in December, 2021.



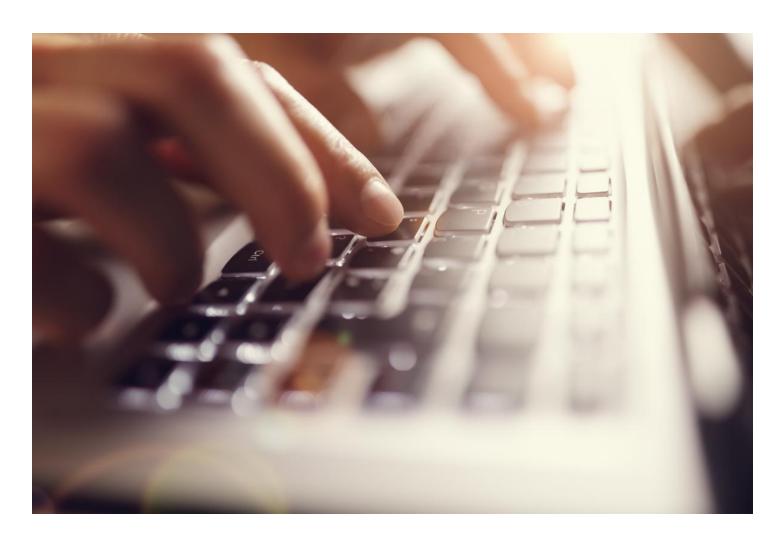
The Zollinger Atlas, named for Dr. Robert M. Zollinger, is considered world-wide as the gold standard surgical atlas for learning how to perform the most common general surgical procedures using safe, well-established techniques. Learn more about the Atlas by reading this Medical Heritage Center blog post about Dr. Zollinger and the inception of the atlas.



Anthony's illustrations augment existing surgical depictions in the Atlas, drawn by world-renowned medical illustrators. The new illustrations show modern robotic surgery in an artistic style that is consistent with existing illustrations. The 11th edition was published in December, 2021 and is available for purchase at retailers such as Amazon.com.

Anthony's work on the Atlas was recently featured in the Wexner Medical Center's Health & Discovery health news website – visit this link to read the article.

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Research and Education Librarians Conduct Systematic Review Consultations

In 2021, Health Sciences Library research and education librarians provided 65 in-depth health sciences-related systematic review consultations. An effective systematic review strategy enables a researcher to perform a comprehensive search of available literature to find the best and most relevant references for his/her/their research.

Systematic review support is a valuable service to our researcher community, and requires hours and sometimes days of librarian effort. Most of the HSL's systematic review consultations support the College of Medicine and College of Nursing.



Scholarly and Creative Works

Many library faculty and staff were actively engaged in producing and/or supporting others' scholarly and creative works. These included a published article and book chapters, acknowledgements, presentations, exhibits and other methods of sharing and/or supporting important research and innovation.

Of note, Kerry Dhakal, MAA, MLS, assistant professor and HSL research and education librarian, co-authored a systematic review paper that earned Paper of the Year from the American Journal of Health Promotion (AJHP) in 2021. The paper focuses on combating clinician burnout, and has been cited 38 times (according to Scopus), including a citation by the National Academy of Medicine. Read more about the paper on The Ohio State University College of Nursing's website at go.osu.edu/ajhpaward.

In 2021, librarians continued work with The Ohio State University Biomedical Sciences graduate program on the development of a trainee tracking system for faculty engaged in National Institutes of Health (NIH) T32 training grants. This robust database system eases both the gathering of vital trainee outcomes and the generation of preformatted reports suitable for federal grant applications.



The Health Sciences Library has been an invaluable resource and essential strategic partner.

Our team has greatly benefited from the HSL's expertise in the areas of data governance and accessing public data.

- Dr. Jeffrey Parvin, MD, PhD and Dr. Michael Freitas, PhD, co-directors, The Ohio State University Biomedical Sciences graduate program

Learn more about the HSL's team of research and education librarians by visiting the HSL's website.

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Behind the Scenes:

Facilitating Copyright Obtainment Elevates Clinicians' Patient Care Effectiveness

In addition to providing subscription access to essential patient care reference databases such as UpToDate, the Health Sciences Library also works behind the scenes to help enable Wexner Medical Center clinicians to obtain critical patient care information.

HSL research and education librarians were instrumental in developing and implementing a formal process with the Wexner Medical Center Office of Legal Affairs for obtaining copyright permissions for patient questionnaires. The copyright process is essential to ensure clinicians are following state and federal laws with regards to using researcher-developed questionnaires that aid with patient treatment.



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Outreach and Engagement

Engaging with the Public as a Valued Partner

The Health Sciences Library regularly engages with the Ohio State and Wexner Medical Center communities as well as the community at large. The HSL serves as a source of health sciences expertise, from medical history to community health outreach.



Library for Health Information (LHI) Consumer Health Outreach

The Library for Health Information (LHI), the HSL's consumer health outreach arm, celebrated 25 years of community impact in 2021, during a time when consumer health education was extremely critical and needed.



In 2021, the HSL's dedicated consumer health librarian, Missy Creed, participated in 47 events and reached more than 1,200 community members, including events in partnership with The Ohio State University Wexner Medical Center.

Activities included:

- Vaccine clinic information booths at multiple Wexner Medical Center vaccination locations
- Support of the Partners Achieving Community Transformation (PACT) program
- Participating in the Interprofessional Community Scholars
 Program, bringing students from more than ten programs
 together with faculty, staff and members of Columbus' near
 east side community.

- Providing consumer health information via direct request or at community outreach events
- Digital outreach via consumer health information videos and resources through the Health Sciences Library website and social media



The HSL was named a Partner Outreach Program (POP) Library in 2021 by the National Library of Medicine (NLM), in recognition of our outstanding community health outreach efforts.



Medical Heritage Center

2021 Inaugural James R. Wright, Jr, MD, PhD Lecture



Howard Markel, MD, PhD

When Germs Travel: Coronavirus, Quarantines, and Contagious Crises Across Time

Howard Markel, MD, PhD, the George E. Wantz, MD Distinguished Professor of the History of Medicine and Director of the Center for the History of Medicine at the University of Michigan, will present the inaugural James R. Wright, Jr, MD, PhD Lecture.

Established with gifts from James R. Wright, Jr, MD, PhD, this new lectureship focuses on the history of pathology and other medical history topics.

Due to COVID-19 precautions, this lecture will be a live virtual event.

Registration information: go.osu.edu/2021wrightlecture

Medical Heritage Center Wright Endowment Funds Inaugural Lecture

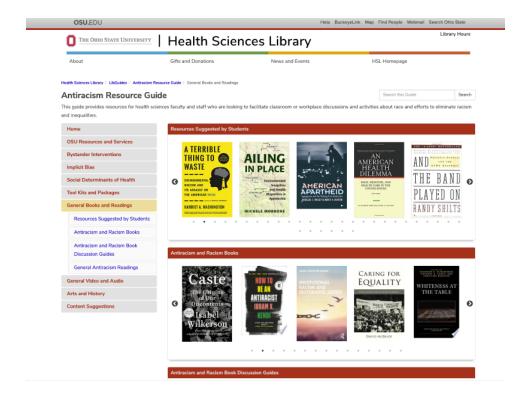
Dr. James R. Wright, MD, PhD, began his relationship with the Medical Heritage Center (MHC) as a tour attendee during a College of Medicine alumni weekend event. He then turned to the MHC for resources for his research. These positive interactions with the MHC led him to establish two endowment funds. The library is grateful for Dr. Wright's gifts that will provide ongoing support for MHC lectureships and collections.

The inaugural Wright lecture in 2021 featured Howard Markel, MD, PhD, the George E. Wantz, MD Distinguished Professor of the History of Medicine and Director of the Center for the History of Medicine at the University of Michigan. Dr. Markel's lecture was entitled, When Germs Travel: Coronavirus, Quarantines, and Contagious Crises Across Time. 125 members of the Ohio State community and the public attended this lecture virtually.

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Continued Diversity, Equity and Inclusion Activities



In 2021, the Health Sciences Library continued our work to enhance diversity, equity and inclusion (DEI) for both our services as well as our staff. In 2021, three library employees participated in university and medical center Anti-racism Action Plan committees. Other DEI-related activities included:

- Librarians worked in partnership with campus experts to develop an anti-racism subject guide, comprised of resources for use in course development.
- HSL staff participated in a 21-day anti-racism challenge, led by library colleagues. Discussion topics were introduced throughout the challenge period to encourage participants to share and reflect.
- Marketing and communications led website accessibility efforts, in partnership with the campus-wide digital accessibility initative. The library successfully completed a

website accessibility pilot program to ensure the website meets Ohio State's digital accessibility standards.



As a medical student, I love the Health Sciences Library because it helps me feel grounded, ... giving me a home base where I'm comfortable studying while surrounded by community.

- Carson Rogge, The Ohio State University College of Medicine, Class of 2025

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Instagram









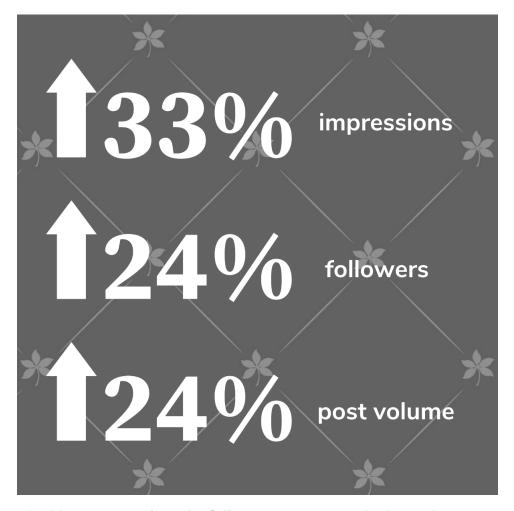




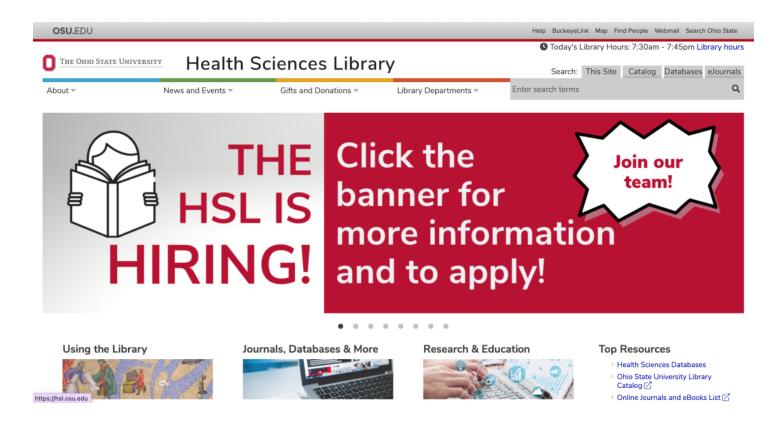


Increasing Our Reach Through Intentional Marketing and Communications

Marketing and communications efforts throughout 2021 led to continued growth in the Health Sciences Library's audience and reach. Partnership with health sciences stakeholders and formal advisory committees continued to yield important feedback to inform library programming and resource development.



The library's social media followers grew in each channel – Twitter, Instagram and Facebook. Social medial content that resonated the most with the library's audience included medical history posts highlighting Medical Heritage Center collections, as well as posts announcing instructional workshops.



Enhancements to the library's website allowed better ways for our website audience, approximately 15,000 users per month, to follow and engage with library news and announcements.





Library advisory committees are valued voices when it comes to library programming and resource planning. The Health Sciences Library actively receives feedback from the following committees:

Library Advisory Committee:

- Monica L. Robinson, OTD, OT/L, Committee Chair, School of Health & Rehabilitation Sciences
- Kellie J. Archer, PhD, Committee Chair-Elect, College of Public Health
- Bradley E. Dougherty, OD, PhD, College of Optometry
- Amanda Haney, MS, APRN-CNP, Wexner Medical Center/James Cancer Hospital
- Jacqueline Hoying, PhD, College of Nursing
- David Lusk, MS, Wexner Medical Center IT
- Karina Masoian, Student Representative, School of Health & Rehabilitation Sciences
- Ashley Patton, DO, Pathology Resident
- Michael Root, PhD, College of Medicine
- Paola C. Saponaro, DDS, MS, College of Dentistry

• Medical Heritage Center Advisory Committee:

- William Cotton, MD, Columbus Medical Association Representative
- Patrick Ecklar, MD, Columbus Medical Association Representative
- Robert Falcone, MD, Ex-Officio Member
- Mary Beth Fontana, MD, The Ohio State University Representative
- Steven Gabbe, MD, Columbus Medical Association Representative
- Lynda Hartel, Health Sciences Library
- Deborah Larsen, PhD, The Ohio State University Representative
- Carl Leier, MD, The Ohio State University Representative
- Teresa Long, MD, The Ohio State University Representative (Chair)
- John Mahan, MD, At-Large Member
- Richard Nelson, MD, Columbus Medical Association Representative
- Robert Newcomb, OD, MPH, At-Large Member
- Popat Patil, PhD, At-Large Member
- Kristin Rodgers, Health Sciences Library
- James Ryan, MD, The Ohio State University Representative
- Noah Waldman, Medical Student Representative
- Judith Wiener, Health Sciences Library

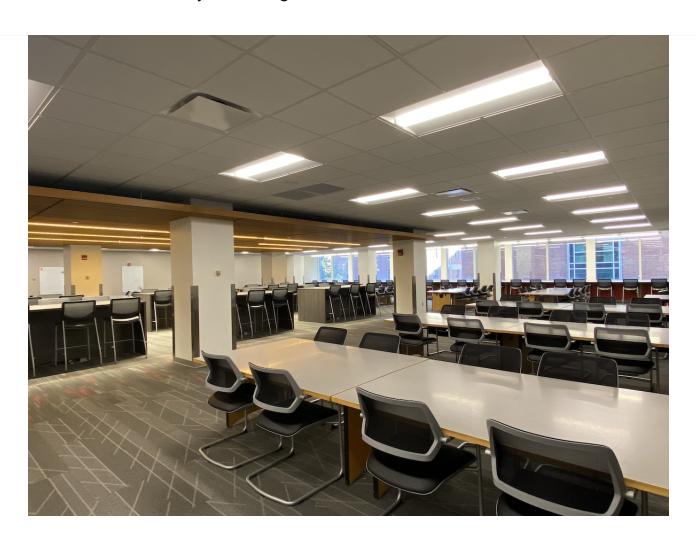
• EdTech Incubator Steering Committee:

- Doug Danforth, PhD, Committee Chair, College of Medicine
- Devarshi Ardeshna, MD, GME Rep
- Woo Byun, Student Representative, College of Medicine
- Carmen DiGiovine, PhD, School of Health & Rehabilitation Sciences
- · Alex Grieco, MD, College of Medicine
- Richard Hackman, Wexner Medical Center IT
- Lynda Hartel, MLS, Health Sciences Library
- Jennifer McCallister, MD, College of Medicine
- Marcia Nahikian-Nelms, PhD, School of Health & Rehabilitation Sciences
- Sheryl Pfeil, MD, CSEAC
- Melissa Quinn, PhD, College of Medicine
- Sarah Rusnak, MS, RD, School of Health & Rehabilitation Sciences
- Eric Schnell, MLS, Health Sciences Library
- Amanda Start, PhD, Office of Curriculum and Scholarship



Caring for Ourselves and Our Community

Throughout 2021, while the pandemic continued, the Health Sciences Library prioritized staff and visitor wellness through intentional programming. Prior Hall remains badge swipe access for the safety of building staff and visitors.



Extended Library Access (ELA)

Extended Library Access was introduced in 2021 to provide learners with access to the library even while normal library hours were limited due to the pandemic. In 2021, 290 library users were granted ELA through an application process.



COVID Vaccine Card Protector Events

In the spring, Medical Visuals and the Library for Health Information (LHI) provided free COVID-19 vaccine card protectors at a series of events. Sleeves were distributed to the Ohio State community as well as the community at large. Individual Wexner Medical Center clinical department requests were fulfilled while supplies lasted. The popular events provided a public service while increasing awareness of Medical Visuals services among the Ohio State community.



Caring for our Staff

In addition to caring for our Ohio State and broader communities, we also took care of our own staff through intentional programming and opportunities to connect even when many of us continued to work remotely.



Nisonger Center Playground Windscreens: Welcome to "The Jungle"

As a result of a new graphic design partnership with UniPrint, Ohio State's preferred in-house print and production unit, Medical Visuals was selected to design windscreens to cover over 800 linear feet of fencing surrounding The Ohio State University Nisonger Center playground. The Nisonger Center's interdisciplinary team provides research, education/training and other services to improve the lives of people with intellectual and neurodevelopmental disabilities, from infancy through adulthood. The playground is used by the childcare services provided by Nisonger.

The windscreens provide both wind protection as well as privacy for the children who play on the playground. The Medical Visuals team created colorful, kid-friendly, jungle-themed graphics for the interior- (playground) facing windscreens.

Medical Visuals provided multiple design options, and we went with the jungle theme. Our kids say all the time they would like to go out to the "jungle" instead of "playground" now. This screen has made such a great impact on their growing minds and creative expression! We cannot thank the team enough for giving us all this new point of view of the world!

- Karel Smith, Administrator, Nisonger Center

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Thank You to Our Friends and Donors

In 2021, notable Health Sciences Library improvements and programming made possible by generous support from our friends and donors included:

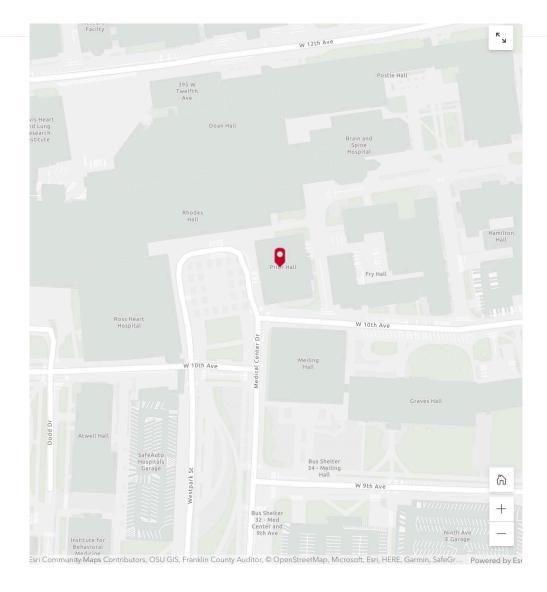
- Meditation room amenities funded by the Medical Student Meditation Room Support Fund, created by the College of Medicine's Medical Class of 1973 (4 Year Program).
- Medical Heritage Center lecture and exhibit programming, funded by MHC funds and endowments.
- Medical student diversity literature funded by the Warner
 Family Endowment Fund for Medical Student Reading and
 Reflection. While the physical books are located in the
 Medical Student Zone on the library's third floor and are not
 available for circulation, ebooks in the collection can be
 loaned out.

About The Health Sciences Library

The Ohio State University Health Sciences Library primarily serves all faculty, staff and students of the Wexner Medical Center and the seven Ohio State health sciences colleges via its physical and digital resources, along with the depth of health sciences expertise of its librarians and technical staff.

The specialized expertise of the Health Sciences Library supports research and discovery – from helping faculty focus funding proposals and research questions, to improving faculty access to the most needed journals, to conducting thorough systematic literature reviews, to creating original medical illustrations that strengthen faculty research submissions to leading journals.

We connect people with knowledge to encourage inquiry, innovation and collaboration.



The Ohio State University Health Sciences Library

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hsl.osu.edu

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