



**Lamar Soutter Library**

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# eScholarship@UMMS Annual Report 2020

January-December 2020

Lamar Soutter Library

University of Massachusetts Medical School

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Published March 9, 2021

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# Introduction

[eScholarship@UMMS](#) is a digital repository and publishing system offering worldwide access to scholarly publications authored by the University of Massachusetts Medical School (UMMS) community. Our goal is to serve as a portfolio for institutional successes by collecting, organizing, disseminating, and showcasing UMMS achievements in research and education. eScholarship@UMMS increases citation impact and visibility and expands the reach of UMMS scholarship worldwide. We welcome submissions from UMMS faculty, staff, and students for articles, manuscripts, presentations, posters, datasets, and other scholarly materials. Our publishing services – including open access, peer-reviewed electronic journals, student dissertations and theses, and conference proceedings – highlight the works of UMMS authors and others. eScholarship@UMMS is a service of the Lamar Soutter Library, Worcester, MA, USA, in support of its mission to disseminate information and research to scholars, educators and the public.

# Acknowledgments

I would like to acknowledge with much appreciation:

- The support of the Lamar Soutter Library's management team and staff, especially the Research and Scholarly Communication Services department;
- Library assistants Robert Aframe and Nancy Linnehan;
- Faculty, staff, students, departments, centers and partners at UMass Medical School for their collaboration and scholarly contributions.

The format of this report is adapted from the [PDXScholar Annual Report](#) by Karen Bjork, et al.

## 2020 Highlights

- **442,945 total downloads** of primary and supplemental files
- **31% increase** in full text downloads
  - 2019: 339,185
  - 2020: 442,945
- Most downloaded collections
  - [Open Access Articles](#)
  - [Psychiatry Information in Brief](#)
  - [COVID-19 Publications by UMMS Authors](#) (new collection established in 2020)
  - [GSBS Dissertations and Theses](#)
  - [Journal of eScience Librarianship](#)
  - [University of Massachusetts Medical School Faculty Publications](#)
- 1,363 new items added
  - 62 theses and dissertations
  - 59 original papers published via hosted open access journals, newsletters, and book chapters
  - 92 preprints from bioRxiv, medRxiv, and Research Square
- 8 new collections added (227 collections in total)
  - [Community Engagement and Research Symposium 2020](#)
  - [COVID-19 Publications by UMMS Authors](#)
  - [Murmurs: Stories from Our Journey in Medicine](#) (podcast)
  - [New England Graphic Medicine Conference 2020](#)
  - [Northeast Institutional Repository Day 2020](#)
  - [pd|hub Publications](#) (career development resources for scientists)
  - [UMass Center for Clinical and Translational Science 2020 Seminars](#)
  - [RTI Children's Resources](#) (science resources for kids)
  - [University of Massachusetts Medical School Research Retreat 2020](#)
- Notable accomplishments and initiatives in 2020
  - Milestone: Topped **2 million downloads** on February 3, 2020
  - Launched [COVID-19 Publications by UMMS Authors](#) collection
  - Added our first podcast: [Murmurs: Stories from Our Journey in Medicine](#)
  - Implemented DocuSign electronic signature permission forms for all student collections
  - Supported [University of Massachusetts Medical School Research Retreat 2020](#)
  - Set up iThenticate plagiarism detection process for hosted journals
  - Improved submission forms, guidelines and policies for hosted journals
  - Created 1,011 DOIs for new and previously posted original content housed in the repository
  - Continued important efforts to improve repository metadata

## Notable Accomplishments and Initiatives in 2020

- **Milestone: 2 million downloads!** eScholarship@UMMS reached a significant milestone when it topped 2 million downloads on February 3, 2020. We are grateful to our UMMS authors, whose open access scholarly materials reach users in more than 200 countries.
- **COVID-19 Publications Collection:** In the [Library's 2019-2020 Annual Report](#), director Mary Piorun stated "In a year like no other, we have been focused on continuity of existing services and the seamless implementation of new products and services." On Friday, March 13, 2020, eScholarship@UMMS staff began working remotely from home and are still doing so almost a year later. Despite the pandemic challenges, we continue to collect, organize, disseminate and showcase scholarship by our faculty, researchers, staff, and students. Most notably, we launched the [COVID-19 Publications by UMMS Authors](#) collection on March 20, 2020, to bring together the research achievements and expertise of our community in this crucial area. By the end of December 2020, this collection included 189 journal articles, preprints, newsletters, images, and other documents that had been downloaded more than 42,000 times.
- **Murmurs podcast:** In June 2020 the first episode of [Murmurs: Stories from Our Journey in Medicine](#) was made available in eScholarship@UMMS. This storytelling podcast, a Capstone project for two medical students, explores how health providers and trainees think about their experiences in medicine. The Library is supporting this narrative medicine project by archiving each episode's audio file, providing transcripts, and making related materials available. We are utilizing our platform's recent capability to natively stream multimedia content.
- **Implemented DocuSign for permission forms:** Immediately after the rapid shift to remote work in March, we worked with UMMS IT and all three schools to successfully transition permission forms for eScholarship@UMMS submissions to DocuSign for electronic signatures. This included the permission forms for: GSBS theses and dissertations, GSN dissertations, GSN DNP scholarly projects, Capstone presentations, and the Senior Scholars Program.
- **Supported UMMS Research Retreat:** The UMMS Research Retreat, held virtually October 26-27, 2020, utilized eScholarship@UMMS for the [conference website](#). Library support for the retreat included: maintaining the conference website with program agenda and other materials; providing assistance to the organizing committee and presenters, especially on poster session format; reaching out to ~150 presenters about archiving their posters and presentations; and assisting in depositing content.
- **Plagiarism detection for hosted journals:** Two of our hosted open access, peer-reviewed electronic journals were set up with iThenticate accounts for plagiarism detection, with training in progress.
- **Website improvements for hosted journals:** We enhanced the websites for two of our hosted open access, peer-reviewed electronic journals by improving and updating the

submission forms, author guidelines, journal policies, and notification templates. These updates streamlined and clarified the submission process for prospective authors.

- **DOI registration for original content:** In 2020 repository staff continued retrospectively minting DOIs (digital object identifiers) for original content in the repository such as dissertations, conference proceedings, presentations, and newsletters. DOIs are permanent unique identifiers assigned to publications, data, and other scholarly products that make it easier for them to be discovered, cited, and credited. In 2020 repository staff created 1,011 DOIs for new and previously posted original content housed in eScholarship@UMMS.
- **Metadata improvements:** Throughout 2020 repository staff continued important efforts to improve metadata for numerous collections and ensure that important fields are included (DOI, copyright, license, etc.) and are populated in a consistent manner. This improves discovery by search engines and other aggregators.

## What readers are saying

"I am a library technician working on an MLIS. This helped me with a paper on developing a program budget to demonstrate programming/services value to a funding authority. This is a fantastic resource for librarians and I'm keeping it bookmarked for future reference. Thank you for creating it."

-- Student in Belgium

"Having access to information and presentations like this help me succeed in my journey both personally and professionally. It helps me decide what career path is best for me, if I was a good candidate for the career in which I am interested and have passion for as well."

-- Student in the USA

"I found a short concise analysis of an article that gave me that basis to continue on my profound research and study."

-- Researcher in the USA

"UMass Medical School's research has enriched my own knowledge and contributed to my understanding of what I was searching for. I am very appreciative of their work to make the research I was looking for accessible."

-- Student in the USA

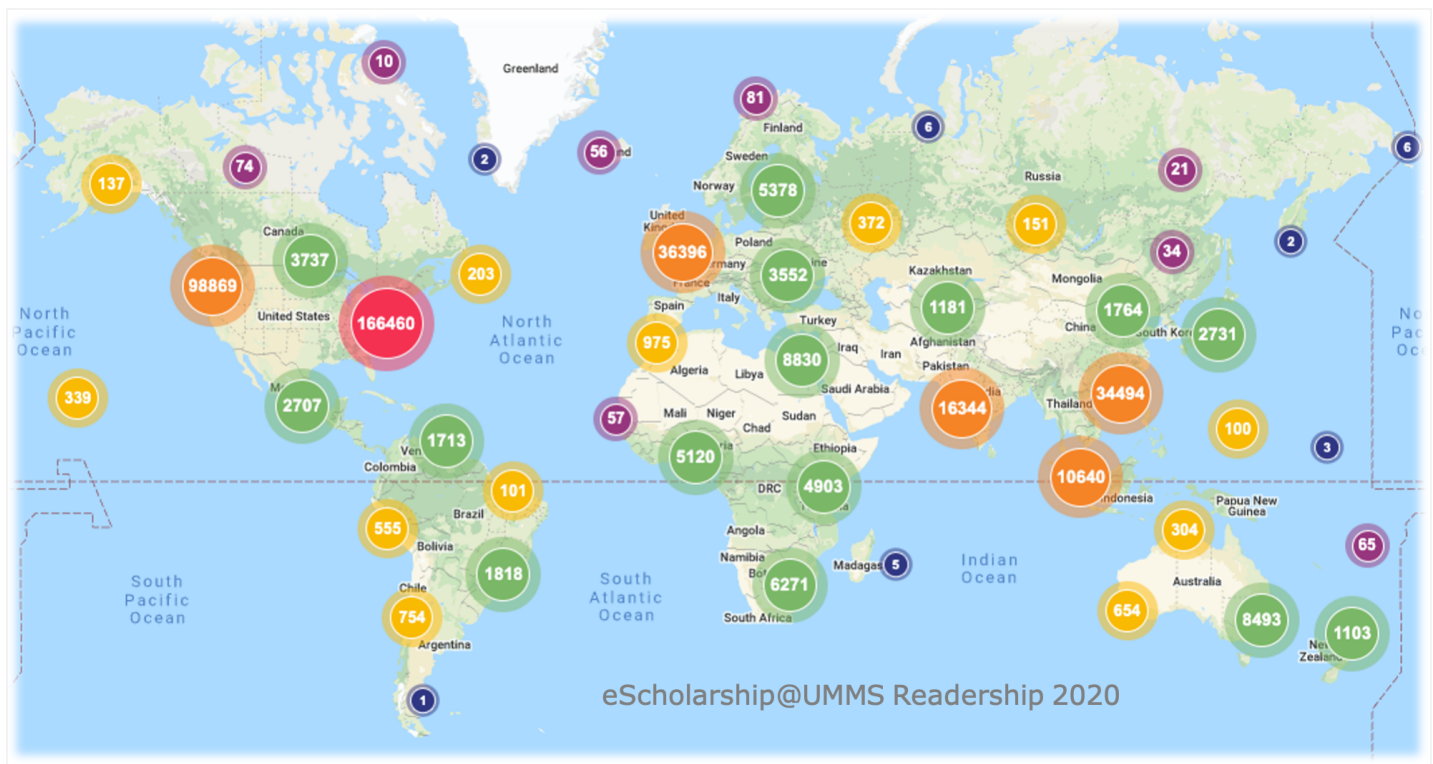
"I am currently in the dissertation phase of my studies at the University of Liverpool and was seeking resources to help me better understand the Exploratory Sequential Mixed Methodology and apply it to my final research project. Gaining access to relevant materials via eScholarship@UMMS really did a lot to help me cement my understanding of the approach and best practices for putting it to use. I'm grateful to your team for the support in that way."

-- Student in Denmark

# Metrics

## Readership Distribution Map

This map of download activity illustrates the global reach of UMMS scholarship in 2020.



## Readership by Country: Top 10 Countries

Full-text content in eScholarship@UMMS was downloaded in 2020 from 208 countries worldwide. Below are the top 10 countries accessing these collections.

Country
United States
China
United Kingdom
India
Canada

Australia
Philippines
Germany
South Africa
France

## Readership by Institution: Top 10 Educational, Governmental, and Organizational Institutions

Full-text content in eScholarship@UMMS was accessed in 2020 by over 10,130 institutions worldwide. Below are the top 10 educational, governmental, and organizational institutions accessing these collections.

Name of Institution	Type
National Library of Medicine	Government
University of Massachusetts Medical School	Education
Portland State University	Education
Chowan University	Education
Stanford University	Education
UMass Memorial Health Care	Organization
Commonwealth of Massachusetts	Government
Department of Veterans Affairs	Government
Taiwan Academic Network	Education
National Institutes of Health	Government
Longwood Medical and Academic Area	Education

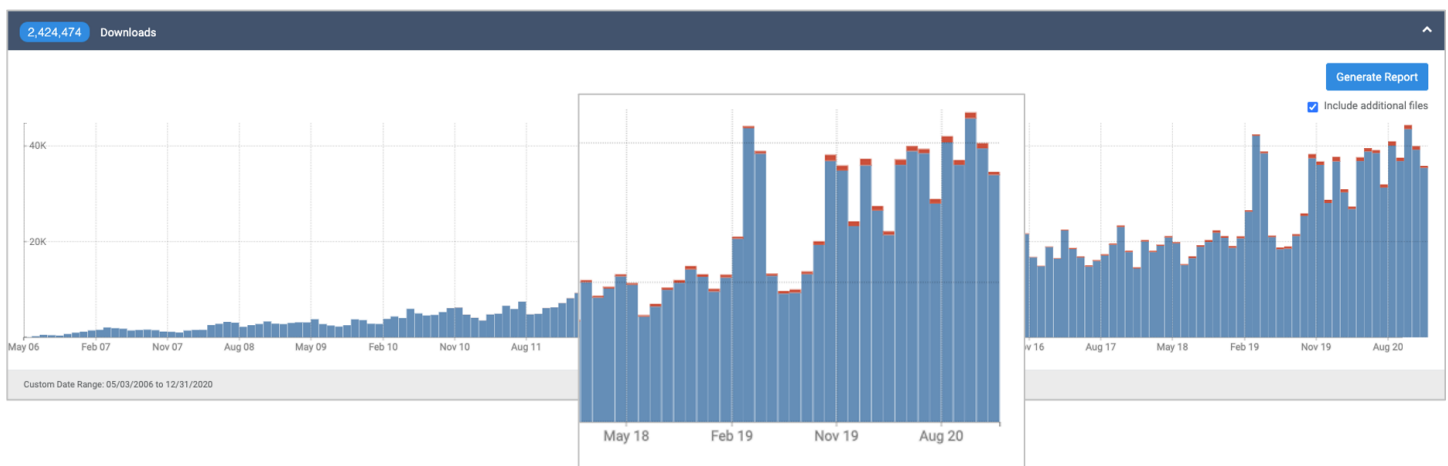


## Downloads May 2006 - December 2020

This chart illustrates monthly full text downloads for eScholarship@UMMS from 2006-2020 and highlights the dramatic increase for 2020. This increase is the result of the discoverability of existing open access repository content and the creation of relevant new collections and additional content.

The blue bar represents downloads of primary files and the red bar represents downloads of supplemental files.

The average number of downloads per month in 2020 was 36,208.



## Most Popular Collections by Number of Downloads

Full-text content in eScholarship@UMMS for 2020 reflects the length and diversity of participation in the Library's repository and publishing program, as well as the growth in recent years of open access scholarly literature. Below are the 10 most downloaded collections. Download counts indicate the number of times the full text of a content item was downloaded from eScholarship@UMMS and include downloads of any supplemental files (datasets, appendices, presentation materials, translations, etc.).

<b>Collection</b> * new collection established in 2020	<b>Type</b>	<b>Number of items 2020-12-31</b>	<b>2020 Downloads</b>	<b>All Time Downloads 2020-12-31</b>
<a href="#">Open Access Articles</a>	Previously published articles	5,588	103,015	444,436
<a href="#">Psychiatry Information in Brief</a>	Hosted open access journal	163	71,469	210,878
<a href="#">COVID-19 Publications by UMMS Authors *</a>	Previously published articles, preprints and open access materials	206	42,309	42,309
<a href="#">GSBS Dissertations and Theses</a>	Student dissertations	1,117	40,668	375,320
<a href="#">Journal of eScience Librarianship</a>	Hosted open access journal	146	35,752	198,284
<a href="#">University of Massachusetts Medical School Faculty Publications</a>	Previously published articles and preprints	1,739	19,140	50,429
<a href="#">Implementation Science and Practice Advances Research Center Publications</a>	Previously published articles	1,103	14,609	117,377
<a href="#">Graduate School of Nursing Dissertations</a>	Student dissertations	62	14,200	138,383
<a href="#">Journal of Global Radiology</a>	Hosted open access journal	41	11,619	33,882
<a href="#">Orthopedics and Physical Rehabilitation Publications</a>	Previously published articles and open access materials	372	10,996	34,910

## Most Popular Items by Number of Downloads

Full-text content in eScholarship@UMMS for 2020 reflects the length and diversity of participation in the Library's repository and publishing program. Below are the 15 most downloaded items. Download counts indicate the number of times the full text of a content item was downloaded from eScholarship@UMMS and include downloads of any supplemental files (datasets, appendices, presentation materials, translations, etc.).

Item	Type	2020 Downloads	All Time Downloads 2020-12-31
* new item added in 2020			
<a href="#">An Exploratory Sequential Mixed Methods Approach to Understanding Researchers' Data Management Practices at UVM: Integrated Findings to Develop Research Data Services</a>	Hosted open access journal article	17,282	41,093
<a href="#">Working from Home During the COVID-19 Pandemic: Tips and Strategies to Maintain Productivity &amp; Connectedness *</a>	Hosted open access journal article	14,514	14,514
<a href="#">Nonoperative Approach to Treatment of a Gluteus Medius Tear</a>	Poster	7,882	13,298
<a href="#">Culture, language, and the doctor-patient relationship</a>	Previously published article	4,576	38,283
<a href="#">HCR-20 Violence Risk Assessment Scheme: Overview and Annotated Bibliography</a>	Previously published report	3,611	42,578
<a href="#">How to Talk about Mental Health: Addressing Misunderstandings about Mental Health in the Media</a>	Hosted open access journal article	3,587	5,767
<a href="#">Maintaining Your Emotional Wellness During COVID-19 *</a>	Hosted open access journal article	3,127	3,127
<a href="#">Before a Mental Health Crisis Hits: Creating a Family Safety Plan *</a>	Hosted open access journal article	3,029	3,029
<a href="#">A Handbook for Participatory Action Researchers</a>	Previously published book	3,024	5,768

Finishing College Classes During COVID-19 *	Hosted open access journal article	2,838	2,838
Medical Marijuana Education for Medical Students	Student Capstone project	2,668	3,326
Ethical Guidelines for the Treatment of Patients with Suspected or Confirmed Novel Coronavirus Disease (COVID-19) *	Previously published journal article	2,500	2,500
Evidence Based Practices in Mental Health: Advantages, Disadvantages, and Research Considerations [English and Spanish versions]	Hosted open access journal article	3,504	21,299
Cancer Concepts: The Pathology of Cancer	Hosted open access book chapter	2,091	2,488
Cohort Studies and Relative Risks	Presentation	1,951	2,025

## Publishing and Hosting

eScholarship@UMMS supports open access publishing and offers hosting services for peer-reviewed journals, newsletters, conference proceedings, books and book chapters. This work aligns with the Lamar Soutter Library's mission to help UMMS faculty and students create and disseminate scholarly content directly to users, making it openly accessible to the world. Hosting services include DOI (digital object identifier) registration for individual items, hosting of supplemental content, metadata, Creative Commons licenses, and additional services. Below are the actively published journals, newsletters, conference proceedings, and book chapters. Download counts indicate the number of times the full text of a content item was downloaded from eScholarship@UMMS and include downloads of any supplemental files (datasets, appendices, presentation materials, translations, etc.).

<b>Publication</b> * new publication established in 2020	<b>Type</b>	<b>Number of items 2020-12-31</b>	<b>2020 Downloads</b>	<b>All Time Downloads 2020-12-31</b>
<a href="#">Cancer Concepts</a>	Book chapters	28	6,111	22,127
<a href="#">Community Engagement and Research Symposia</a>	Conference proceedings	167	3,128	21,897
<a href="#">Journal of eScience Librarianship</a>	Journal	146	35,752	198,284
<a href="#">Journal of Global Radiology</a>	Journal	41	11,619	33,882
<a href="#">Journal of Parent and Family Mental Health</a>	Journal	12	3,132	13,396
<a href="#">New England Graphic Medicine Conference *</a>	Conference proceedings	14	134	134
<a href="#">North Atlantic Health Sciences Libraries Conference Proceedings</a>	Conference proceedings	4	73	241
<a href="#">Northeast Institutional Repository Day</a>	Conference proceedings	43	836	2,311
<a href="#">Psychiatry Information in Brief</a>	Journal	163	71,469	210,878
<a href="#">Streams of Consciousness</a>	Journal	56	1,175	3,903
<a href="#">UMass Center for Clinical and Translational Science</a>	Newsletter	107	928	2,546

Newsletter				
UMass Center for Clinical and Translational Science Seminars	Presentations	16	876	2,012
University of Massachusetts Medical School Research Retreat *	Conference proceedings	15	520	520