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### HSLIC Annual Report FY2017-18

University of New Mexico Health Sciences Library and Informatics Center

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HEALTH SCIENCES LIBRARY  
& INFORMATICS CENTER

# Annual Report 2017–18

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Editor & Statistics	Sally Bowler-Hill
Production Assistant	Patti Brammer Hannah Broyles

## **HSLIC VISION STATEMENT**

We aspire to be New Mexico's agent for health knowledge.

## **HSLIC MISSION STATEMENT**

We connect the UNM HSC community to quality information and services by delivering health resources and instruction, advancing the science of informatics, and promoting health information access for New Mexicans.

## EXECUTIVE SUMMARY

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Laura Hall, MFA and Sarah Morley, PhD, MLS, AHIP, Interim Co-Directors  
Sally Bowler-Hill, MA, PMP, Manager, Administrative Operations  
Philip Kroth, MD, MS, Director, Biomedical Informatics Research, Training and Scholarship  
Steve Stockdale, MA, Deputy Director for Operations

Adapting resources to better serve our customers continued to be a prominent theme in the work of the Health Sciences Library and Informatics Center (HSLIC) during fiscal year 2017–18 (FY2018). Additionally, HSLIC experienced a change in leadership, which greatly influenced its focus during the second half of the fiscal year.

On January 31, 2018, Holly Shipp Buchanan, MLn, MBA, EdD, FMLA, AHIP, retired after twenty years as the Executive Director of HSLIC. Buchanan came to the library on August 15, 1997. During her tenure, she was responsible for centralizing Information Technology (IT) support at the University of New Mexico Health Sciences Center (UNM HSC). She consolidated the library and IT departments in 2000, and won an Integrated Advanced Information Management Systems planning grant from the National Library of Medicine to financially support this effort. Her success in developing centralized IT services eventually led to the creation of an HSC Chief Information Office, which assumed responsibility for all HSC IT services in 2015. Buchanan was also deeply committed to integrating librarians into the HSC curricula. She established specialized education services librarian positions in Medicine, Nursing, and Pharmacy, and built upon the previous director's groundwork to provide health information services to Native American populations throughout New Mexico, and nationally through the Native Health Database. Buchanan envisioned and built the first Biomedical Informatics fellowship program at the UNM HSC, and recruited its first faculty member. In addition, she was instrumental in the design and construction of all three phases of the Domenici Center for Health Sciences Education, the primary education building for UNM HSC.

The fiscal year began with preparations for the opening of the third and final phase of the Domenici Center. HSLIC staff worked with UNM Planning, Design and Construction, the HSC Chief Information Office and several academic departments to bring over 40 new classroom and class lab spaces online in this 66,000 square foot building. HSLIC assumed scheduling responsibilities for these spaces, inventoried equipment and supplies, coordinated with various contractors on inspections and post-opening repairs, and prepared an emergency plan for this new space. In February, the HSC Vice Chancellor for Academic Affairs assumed responsibility for oversight and scheduling of Domenici Center, including all three buildings and the Interprofessional Healthcare Simulation Center, marking the completion of the planning and implementation phases of this education complex and its support.

October 13-17, 2017, HSLIC hosted the annual meeting of the South Central Chapter of the Medical Library Association (SCC/MLA). This marked the fifth time the library has hosted this regional conference in Albuquerque, and the third time with Buchanan as director. The library hosted the second annual meeting of SCC/MLA in 1974, with its first director, Robert Divett, as the chapter's chair; and Albuquerque continues to be a favorite conference destination for chapter members. All HSLIC personnel participated in organizing this event, which over 140 library professionals from the five-state region attended.

FY2018 also brought a change to HSLIC's serials vendor from EBSCO Information Services to Otto Harrassowitz GmbH & Company KG (Harrassowitz). HSLIC personnel migrated the library's serial records to the new vendor. During the fiscal year, they also processed and cataloged remaining books not already moved to the new catalog system in 2015. Additionally, HSLIC created a new community in the UNM Digital Repository for the archived materials and publications of UNM HSC. These changes support HSLIC as it continues to adjust to the evolving landscape of collection management and meet the needs of the community.

During FY2018, HSLIC's Biomedical Informatics program continued to grow. Both HSLIC's Biomedical Informatics Research Fellow and the Department of Internal Medicine's Clinical Informatics Fellow, housed at the library, completed their first year of fellowship. A second Clinical Informatics fellow was also recruited. Philip Kroth, MD, MSc completed the fourth year of his study funded by the Agency for

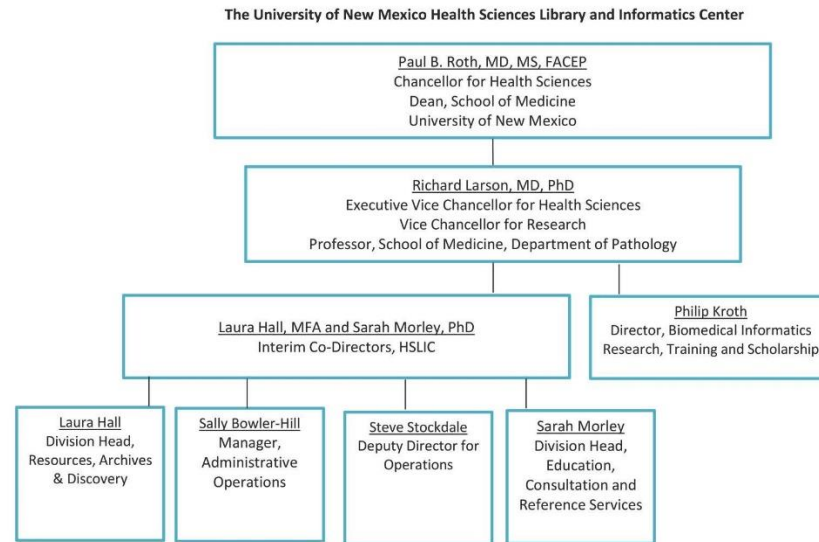
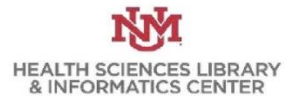
Healthcare Research and Quality, while Stuart Nelson, MD became a co-investigator on a grant from the National Institutes of Health that focuses on areas of the human genome that produce proteins that are not well-studied.

During the last five months of FY2018, HSLIC's new Interim Co-Directors, Laura Hall, MFA and Sarah Morley, MLS, PhD, led a process to update the library's strategic plan with two new initiatives to prepare the library for its next director. One initiative builds HSLIC's role in supporting UNM HSC students by ensuring information literacy, effectively managing the library's collection, and promoting student engagement and wellness. By the close of FY2018, HSLIC had commissioned a student wellness committee, tasked with implementing events and activities to promote student engagement and wellness. HSLIC also commissioned a committee to redesign public services to meet changing reference needs, while balancing cumulative reductions in the HSLIC workforce.

The other strategic planning initiative seeks to re-envision the library's common areas to address contemporary student needs for flexible collaborative, group, and individual study spaces. In the spring, HSLIC conducted a seven-day observational study to analyze when, where, and how visitors use the library space. HSLIC personnel compiled the results of the study into "heat maps," identifying the least and most popular spaces in the library. This work will provide architects and consultants information on the types of spaces UNM HSC students are using today to help better inform what the library should become in the coming decades.

FY2019 will see continued work on the student success and library space initiatives, as HSLIC continues to evolve to meet the needs of our students, faculty and staff.

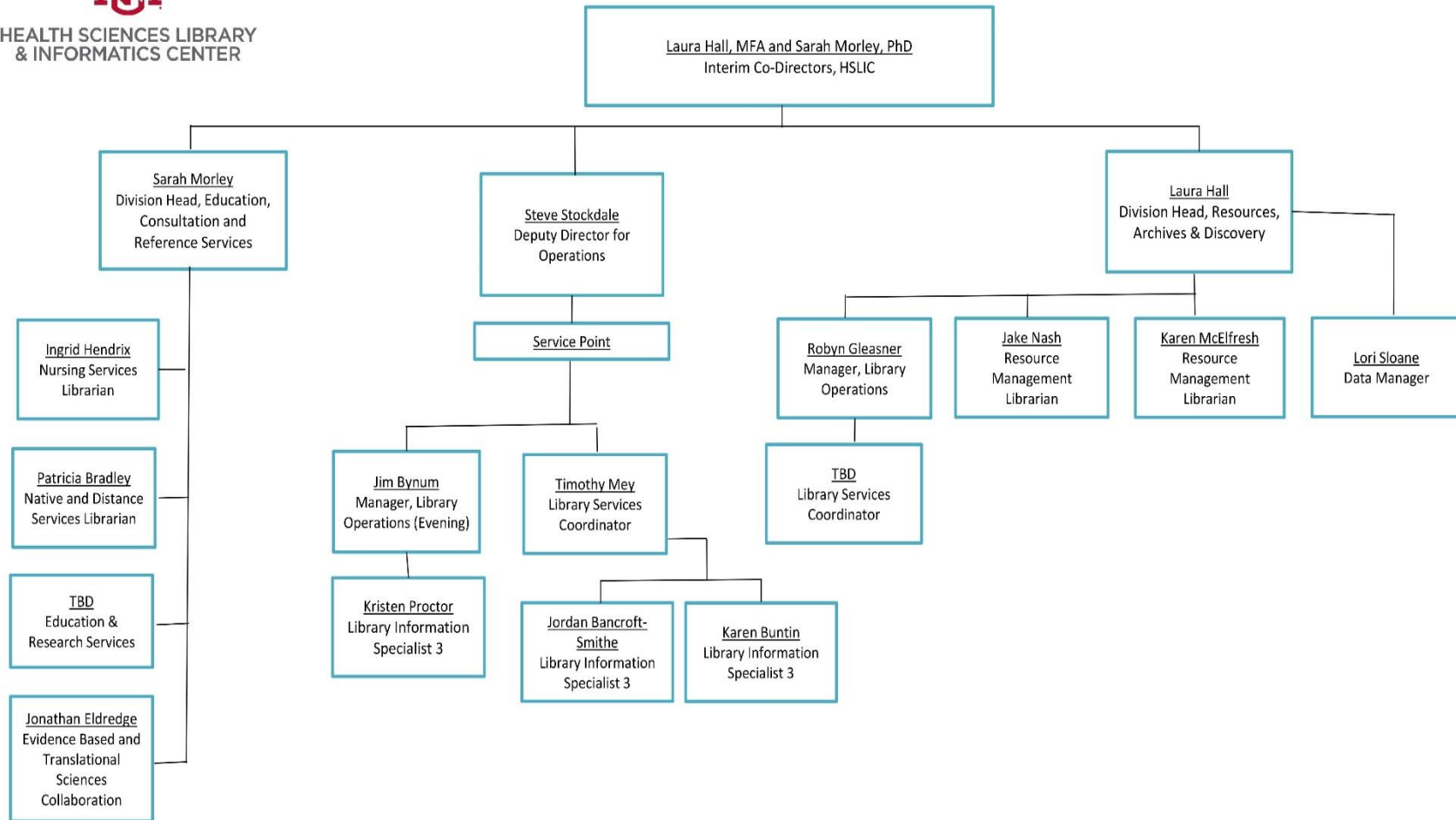
## ORGANIZATIONAL CHARTS

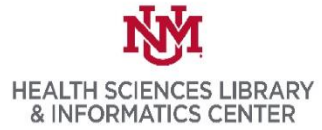




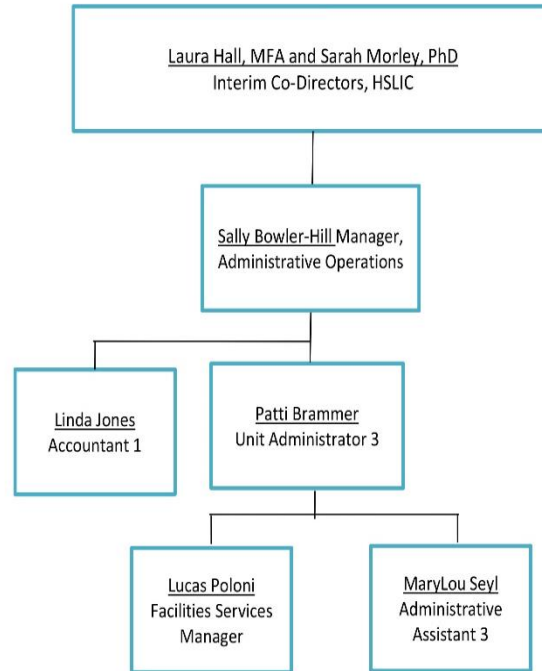


Library and Education Services





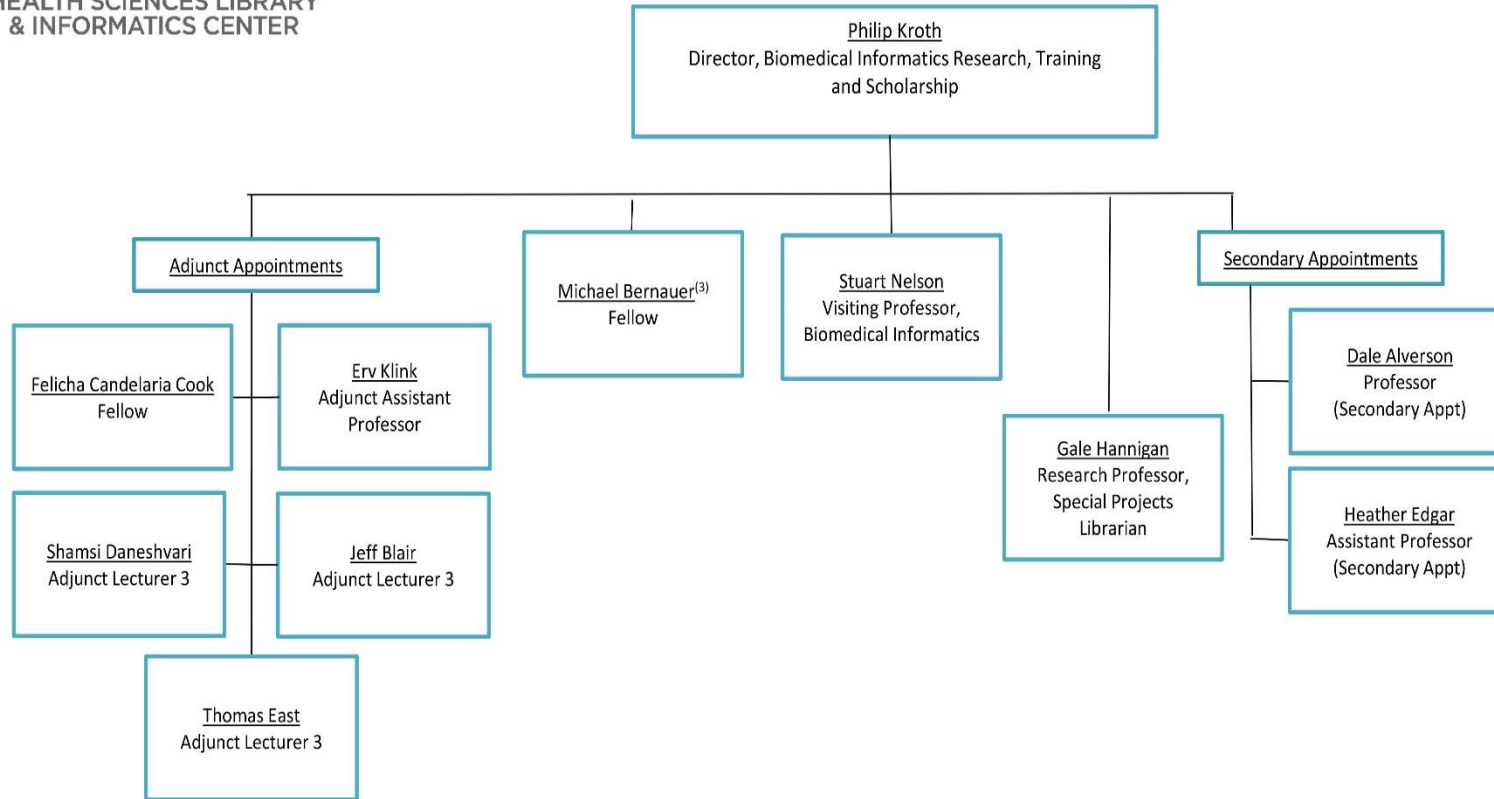
**Administrative Services**





HEALTH SCIENCES LIBRARY  
& INFORMATICS CENTER

Biomedical Informatics Research, Training and Scholarship





# UNIT ACCOMPLISHMENTS

## DEPUTY DIRECTOR'S OFFICE AND SERVICE POINT

Steve Stockdale, MA, Deputy Director for Operations

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The HSLIC Operations team continued to adapt to changing circumstances while implementing significant modifications to key services throughout FY2018. Starting last July, the unit began preparations for the impact of the newly-constructed Domenici Health Education Building as it opened for classes last fall. With no additional staffing, the team added 40 classrooms and 66,000 square feet of space to its responsibilities for: scheduling the space with classes from all HSC academic programs; checking out keys; inventorying classroom equipment and supplies; preparing building emergency plan and installing emergency exit signs in the classrooms; modifying opening and closing checklists; staying alert to concerns related to building access and security; documenting the progress of construction punch list issues; and submitting/tracking maintenance requests for the new facility.

By the time the entire building opened for spring-term classes in January, the Operations team had fully integrated this sizable challenge into their normal routine. In February, HSC leadership announced an organizational change that resulted in the HSLIC Operations team being split with the individuals who primarily supported the Domenici complex transitioning to the office of Academic Affairs, while the majority of the staff stayed with the library. The transition was completed in June.

Several members of the Operations team provided excellent support last fall to the 2017 regional conference for the SCC/MLA, held in Albuquerque. The team was responsible for flawless support for the conference audio/visual needs. They also assisted with registration activities and designed and managed the conference mobile app which most attendees used to keep up with scheduled activities.

Also in the fall, the day manager and staff of the Service Point implemented an innovative approach to register community patrons (without UNM credentials) with their own unique logins for using the library's public computers. Four workstations were set aside exclusively for community patrons. Once registered, users can maintain their own passwords and login without needing to check in at the Service Point. After seven months, 190 users have registered with over 800 individual logins.

FY2018 marked the first full reporting period using the Springshare LibCal product for student study room reservations. This service has proven extremely popular with students, as reflected in the statistics that show a 37% increase in group and an 11% increase in individual reservations.

The Operations team contributed to three other initiatives that further exemplify how the library is reconfiguring resources for our patrons: 1) conducted a 7-day, hourly observational study to analyze where, when, and how patrons use the library space; 2) implemented a new online, patron-facing Frequently Asked Questions feature to provide on-demand information and answers; and 3) responding to faculty interest, will be supporting a new Virtual Reality/Simulation Lab recently installed in the library. The Service Point will be primarily responsible for scheduling the new service (using the popular LibCal reservation system) and training students to become "peer instructors" for using the VR/simulation capabilities when the system is deployed in FY2019.

## PLANNING AND BUSINESS SUPPORT

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Sally Bowler-Hill, MA, PMP, Manager, Administrative Operations

FY2018 marked another year of significant change for HSLIC's Planning and Business Support unit.

### **Human Resources:**

This year HSLIC saw seven employees leave for new opportunities, including HSLIC's Executive Director. We welcomed three new hires, including an Accountant and a Facilities Services Manager for the unit as well as a Library Information Specialist for the Service Point. In February, HSLIC reorganized to move support for the Domenici Center for Health Sciences Education and the Interprofessional Healthcare Simulation Center, two staff members and two student employees, to the HSC Academic Affairs. Effective July 1, 2018, half of the Deputy Director for Operations' time will also be spent with HSC Academic Affairs. One HSLIC faculty member completed promotion and tenure this fiscal year and will start FY2019 with her new academic title.

### **Facilities:**

HSLIC made several changes to the library this year. Six workstations were removed from the Student Computing area, and another four were configured specifically for use by unaffiliated patrons. Twelve new glass boards on wheels were distributed in open study areas across the library. Glass boards like these already exist in Domenici Center and University Libraries and have been popular with students for note taking and diagramming. Towards the end of FY2018, HSLIC staff commenced work on implementing a new virtual reality lab, which will open in the fall. The lab is equipped with a virtual reality workstation, headset and controller as well as an LCD panel for others to view a participant's experience. HSLIC plans to offer applications related to anatomy and other health sciences disciplines.

During the spring, HSLIC undertook an observational study of the library facility. The goal of this assessment was to gain more insight into the use of study and collaboration throughout the building. Data analysis continues into the new fiscal year, and the findings will help inform major renovations to the library's third floor over the fiscal year.

During the fall, HSLIC also participated in opening the new North Wing of Domenici Center. The new building includes 12 classrooms, 20 small group rooms, a computerized testing center and class laboratories for the pharmacy, physical therapy and occupational therapy programs. In order to open key parts of the new building on time, HSLIC staff developed a phased opening, coordinating with contractors and staff from UNM Planning, Design and Construction and the HSC Chief Information Office, to ensure new rooms were ready for occupancy when needed.

### **Interprofessional Healthcare Simulation Center (IHSC):**

During the first half of FY2018, Planning and Business Support staff led an RFP process to identify and purchase a simulation center management system for the IHSC. They worked with representatives from the Colleges of Nursing and Pharmacy and the School of Medicine to select a system, answering questions from vendors, and coordinating a site visit for a finalist. During the second half of the fiscal year, the IHSC was remodeled to create new simulation spaces and the new system implemented.

In FY2019, the Planning and Business Support unit will fine-tune its processes to provide the library with better, more relevant service and continue to meet the changing needs of the university.

## **BIOMEDICAL INFORMATICS RESEARCH, TRAINING AND SCHOLARSHIP (BioMIRTS)**

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Philip Kroth, MD, MS, Director, Biomedical Informatics Research, Training and Scholarship

### **Academic:**

Biomedical Informatics (Research) Fellowship Program: Michael Bernauer, PharmD, completed the first year of the fellowship as the fifth fellow in the Program. His research focuses on using clinical databases and natural language processing techniques to evaluate the accuracy of various sepsis prediction rules in the intensive care setting.

Clinical Informatics (Applied) Fellowship (funded by the Department of Internal Medicine in collaboration with HSLIC): Dr. Vipul Bodar successfully completed the first year of the fellowship. One of Dr. Bodar's required fellowship projects focused on improving the process for writing chronic narcotics prescriptions in the UNMH ambulatory setting. He also wrote a grant where he received \$10,000 to support his required health information technology implementation project at the Albuquerque VA. The recruitment process for the second fellow in the program completed and Dr. Rabih Atallah will be starting the fellowship in July of 2018

### **Research:**

The BioMIRTS Director completed the fourth year as principal investigator of a three-year study in partnership with the Centura Health System in Colorado, Hennepin County Medical Center, Stanford University, and the University of Minnesota. The group's paper reporting the results from the Phase I of the study was accepted for publication in July of 2018 – the inaugural issue of the new open-access journal published by the American Medical Informatics Association (AMIA). The group completed Phase II of the study, a survey of more than 650 physicians on aspects of health IT associated with physician burnout, and is currently writing up the results for a second publication. The BioMIRTS Director gave invited presentations on this work at the Institute for Healthcare Improvement in San Diego, CA, the Arizona State University's Biomedical Informatics Seminar Series at the Mayo Clinic in Scottsdale, AZ, and the annual meeting of the Society for General Internal Medicine in Denver, CO.

Dr. Stewart Nelson became a co-investigator on a NIH/NCI (NIH Director's Common Fund) grant titled "Illuminating the Druggable Genome Knowledge Management Center". The six year, six-million dollar project focuses on areas of the human genome that produce proteins that are not well studied. The group plans to provide the informatics tools, methods, and reagents needed to study neglected areas of the entire human proteome.

### **Service Partnerships:**

UNM Health Sciences Center's CTS/MSCR Programs: This year marked the completion of the eleventh class of students in the BMI courses that HSLIC provides in support of the UNM HSC's Certificate in Translational Sciences (CTS) and the Masters of Science in Clinical Research (MSCR) Programs.

## EDUCATION CONSULTATION AND REFERENCE

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Sarah Morley, MLS, PhD, Division Head

During FY2018, the HSLIC Education, Consultation and Reference Services Unit (ECRS) adapted and implemented new processes for reference services to the HSC community. Gathering and reporting reference statistics was enhanced and made easier through the use of Springshare. Scheduled reference phone hours were discontinued in light of the high number of direct e-mail requests library faculty receive and the low number of information requests via telephone during those scheduled times. A library-wide reference task force, created in the third quarter, continues to explore additional changes to the way the library provides reference services, including librarian office hours and expanded use of the Springshare suite of products.

In October, ECRS took part in hosting the SCC/MLA annual conference. Unit members chaired the hospitality, promotion and publicity, and registration committees. The Native and Distance Services Librarian received funding from the Center for Public Service Communications to enable librarians serving Native American communities in New Mexico, Arizona, Colorado and Oklahoma to attend. She coordinated an Outreach Track at the conference, collaborating with the Tribal Libraries Program at the New Mexico State Library to ensure participation and inclusion of New Mexico tribal libraries.

In June, the Native and Distance Services Librarian was invited to represent HSLIC's signature Native Health Database (NHD) <https://hscssl.unm.edu/nhd/> at two out-of-state conferences. The NHD was presented at the annual Tribal College Librarian's Institute at Montana State University in Bozeman MT, June 4-7, 2018. Founded in 1989, the Institute is a week-long continuing education, professional development, and networking opportunity for tribal college librarians. The 38 Tribal Colleges and Universities (TCU) are institutions of higher education formally controlled, sanctioned or chartered by the governing body of an American Indian tribe(s).

The Native and Distance Services Librarian also attended the 5<sup>th</sup> Annual American Indian Higher Education Consortium (AIHEC) Behavioral Health Research Institute that was held at the University of Washington, Seattle, June 18-21. The AIHEC is composed of the presidents of the TCU. Topics of discussion and presentations included community based participatory research, Indigenous research, Indigenous Worldview in research, contextualizing manuscripts, data management, data sharing, and data ownership. The NHD's association with the Institute comes through its advisory board membership.

ECRS faculty involvement in the HSLIC strategic planning began in February and will continue into FY2019. Specific to planning for the 21<sup>st</sup> century library, ECRS members assisted with gathering data for the library observational study conducted in May. The library is using the data collected to inform an architectural feasibility study for repurposing library space. In an effort to enhance student engagement, members joined a library wide student wellness committee. We are also working to develop partnerships with staff involved with student success initiatives at the HSC. To this end, we assembled data about resources available (staff and activities) at the HSC.



## RESOURCES, ARCHIVES AND DISCOVERY AND SPECIAL COLLECTIONS

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Laura Hall, MFA, Division Head

The Resources, Archives and Discovery (RAD) unit continued to support and provide collection resources for the ever-evolving UNM HSC's academic, research, and clinical programs. We did this through a number of projects and activities during this past year.

### **Resources and Activities:**

Late in FY2017, UNM awarded the serials vendor contract to Harrassowitz, beginning July 2017. Working with Harrassowitz, RAD migrated HSLIC serial records and set-up deposit account for 2018 serial renewals.

In the summer and fall of 2017, RAD completed the catalog clean up resulting from the inventory of bound journals on the third floor. Seventy-nine items previously unscanned were found and inventoried and 31 items were removed from the catalog. Forty journal volumes that had been cataloged as books to increase findability of classic articles in the previous catalog were re-cataloged as bound journals to be discoverable in the current catalog.

In FY2018, RAD developed and executed a plan to evaluate, catalog, and process books that had not migrated in the 2015 catalog migration. Books selected for inclusion in the Books-Offsite Storage location had to meet one of the following criteria: rare (less than 50-100 copies in WorldCat,) history of a health profession, classic core title, of local interest, or listed on the Garrison-Morton authoritative list of classic books. 862 titles were selected.

RAD took both of these projects as an opportunity to find and add available titles from Hathitrust to the collection to make them accessible electronically; 803 titles have been selected including 15 of the classic articles mentioned above, eBooks from the National Institute on Drug Abuse Research, the Journal of the New Mexico Medical Society, and many historical books published prior to 1922.

During the year, RAD created a community ([http://digitalrepository.unm.edu/hsc\\_archives/](http://digitalrepository.unm.edu/hsc_archives/)) in the UNM Digital Repository to provide better access and long-term availability of UNM HSC archival materials and publications. RAD created records, both in WorldCat and Digital Commons, and published 41 items ranging in years from 1966 through the present.

In the spring of 2018, the Dr. George Eisenberg collection of baby feeders and related antiques were transferred from the UNM Maxwell Museum to the HSLIC's special collections. Eisenberg, a pediatrician and early faculty member of the School of Medicine, along with his wife, Ruth, gifted their collection to the school in 1968. In 1976, Dean Leonard Napolitano negotiated an arrangement with the Maxwell Museum to care for and house the collection. The collection consists of baby bottles, pap boats, spoons, and rattles, ranging from roughly 40 BCE to the 1960s.

Due to budget shortfalls at UNM and the state of New Mexico, the HSLIC collection budget, funded with state Instructional and General (I&G) money, was reduced by \$105,896 during FY2018. This is the third consecutive year in which the I&G collection budget was reduced. The overall reduction to the collection budget was \$170,896, or 15%. However, as documented in Table 10, the overall collection expenditures for this fiscal year have increased, due to one-time money received from salary savings and other balances.

### **Exhibits:**

RAD worked with medical student, Ellen Hatch and photographer, Tyler Green, to host the "Don't Look Away," exhibit featuring photographs and narratives of 14 Albuquerqueans who are homeless. The exhibit opened in January 2018 and will be on display through spring of 2019.

**Personnel:**

In December 2017, Katherine Miles resigned her position in RAD. Her position was reclassified in spring 2018, to be more competitive with the Albuquerque market for serials librarians. A search for a new serials librarian commenced during the spring months.

In April 2018 Lori Sloane, HSLIC Data Manager, joined the RAD unit. She assisted with several institutional repository projects. She continues to work with HSC researchers and other faculty on data management initiatives.



# SPONSORED RESEARCH

## SPONSORED RESEARCH

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**Minimizing Stress, Maximizing Success of Physician's Use of Health Information and Communications Technologies, AHRQ 1 R18 HS022065-01A1 (Philip Kroth, M.D., M.S., PI)** This funding supports Dr. Kroth's research into identifying the design features of health information and communications technologies most associated with user stress and burnout. The research is a multicenter collaboration with Centura Health Physician Group in Colorado, Hennepin County Medical Center, Stanford University, and the University of Minnesota. (Agency for Healthcare Research and Quality; 4-year total: **\$603,631.00**; June 2014-May 2018).

**A Microaggregation Framework for Reproducible Research with Observational Data. (Christoph Lambert, PhD., PI)** The major goal of this project is to develop statistical tools for analyzing large data sets, and to publish tools in R. Dr. Stuart Nelson serves in this project as the major advisor on understanding coding and terminology systems, and in finding interesting clinical questions to answer using these tools. 2-year total: **\$415,250.00**. (National Institutes of Health, National Library of Medicine). Jul, 2016 – June 2018.

**Developing a Knowledge Management Tool for Kidney Disease (Stuart Nelson, MD, PI)** The goal of this project is to develop a continually updated handbook for clinical nephrologists. 2-year total: **\$343,000**. (Dialysis Clinic, Inc.) Oct 2017 – Sep 2019.

**Illuminating the Druggable Genome Knowledge Management Center (Tudor Oprea, MD, PhD, PI)** This project plans to aggregate, update and articulate protein-centric data, information and knowledge for the entire human proteome with emphasis on understudied proteins. The long-term objective is to encourage and support biomedical research aimed at understudied proteins by providing an extensive resource of data, information, knowledge, methods and reagents for the entire human proteome. 6-year total: **\$6,000,000**. NIH/NCI (NIH Director's Common Fund). Jan 2018 – Dec 2023.

**Professional Development for Librarians Serving Tribal Communities in New Mexico, Arizona, Colorado and Oklahoma** (Patricia Bradley, MLS, AHIP, Principal Investigator)

The purpose of the project is to provide financial support to librarians serving Native American communities in New Mexico, Arizona, Colorado and Oklahoma which will afford them the opportunity to attend the annual meeting of the SCC/MLA. The meeting-- Go West the Sky's the Limit - takes place October 13-18, 2017 at the Hotel Albuquerque bringing together health sciences librarians from throughout the region to learn, share and network.

(Center for Public Service Communications, Agreement # 2017-10, \$24,850, May 1-September 30, 2017)

**Enhancing CBPR Practice through Provision of Expert Information Skills** (Nina Wallerstein, DrPH, MPH, PI, Jacob L. Nash, MSLIS, AHIP co-investigator, Kasim Ortiz, MS, co-investigator). This Administrative Supplement for Informationist Services in NIH-funded Research Projects seeks to integrate an Informationist skilled in literature retrieval and data management best practices into an experienced Community-Based Participatory Research (CBPR) team to enhance information-seeking practices of the team and to build an innovative information system that integrates literature with empirical data on measures and metrics within CBPR collected through the parent grant. The products of this activity will be a comprehensive evidence map of literature, both published and unpublished, from the Community-Engaged Research (CEnR) approaches that will inform the preparation of systematic reviews, a refresh and expansion of an interactive CBPR model that connects measures and metrics with data, and a thorough evaluation of the impact of the process of integrating an informationist in a CBPR/CEnR team as well as the outcomes of this partnership. (Nation Institutes of Nursing Research (NINR), agreement # 3 R01 NR015241-03S1, 2 yr total: **\$75,744**; June 2017-May 2019).



# APPENDIXES

## ENDOWMENTS

George L. and Mary W. Voelz Endowment, August 2004–present
The Larry and Nedra Gordon Endowment for Environmental Health, June 2005–present
HSLIC Collections Endowment, November 2005–present
HSLIC Geriatric Collection Endowment, December 2006–present
Waldo Rogers Endowment, October 2006–present

## SERIAL TITLES CANCELLED 2017-18

(One title)

<i>PEDIATRIC DENTISTRY</i>
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## SERIAL TITLES ADDED 2017-18

(Three titles)

<i>THE JOURNAL OF SEXUAL MEDICINE</i>
<i>SEXUAL MEDICINE REVIEWS</i>
<i>THE JOINT COMMISSION JOURNAL ON QUALITY AND PATIENT SAFETY</i>

## PUBLICATIONS

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### Bradley, Patricia

- Bradley, PV, Hall, LJ, Hannigan, GG, Wood, FB. Native Voices: Native Peoples' Concepts of Health and Illness in New Mexico: opening a local conversation by hosting a national traveling exhibit. *Journal of the Medical Library Association*. 2017 Jul; 105(3), 243–248. <http://doi.org/10.5195/jmla.2017.257>

### Eldredge, Jon

- Boden C, Asher MT, Eldredge JD. Learning while doing: a program evaluation of the MLA Systematic Review Project. *Journal of the Medical Library Association*. 2018 Jul; 106 (3): 284-93.
- Spencer AJ, Eldredge JD. Roles for librarians in systematic reviews: a scoping review. *Journal of the Medical Library Association*. 2018 Jan;106(1):46-56.
- Ascher MT, Eldredge JD. MLA Research Section's Research Agenda Committee Systematic Review Project: A Status Report. *Hypothesis* 2017 Spring/Summer; 29 (1): 5-17.

### Green, Michelle

- Green MP. Leaders in the making: Succession planning starts in library school. *Journal of New Librarianship*. 2018 June; 3(1) [10.21173/newlibs/4/20](http://dx.doi.org/10.21173/newlibs/4/20)

### Hall, Laura

- Bradley PV, Hall LJ, Hannigan GG, Wood FB. *Native Voices: Native Peoples' Concepts of Health and Illness* in New Mexico: opening a local conversation by hosting a national traveling exhibit. *J Med Libr Assoc*. 2017 Jul;105(3):243-248. doi: [dx.doi.org/10.5195/jmla.2017.257](http://dx.doi.org/10.5195/jmla.2017.257).
- Hall, LJ. Legacy of Engagement: Occupational Therapy Founder Terry Crow Retires. *UNM Medicine Alumni Magazine*. 2018, Spring.

### Hannigan, Gale

- Bradley PV, Hall LJ, Hannigan GG, Wood FB. Native Voices: Native Peoples' Concepts of Health and Illness in New Mexico: opening a local conversation by hosting a national traveling exhibit. *J Med Libr Assoc*. 2017 Jul;105(3):243-248. PMID: PMC5490702.

### Morley, Sarah

- Morley SK, Rayburn WF. Accessing online information resources for point of care (POC) Learning. In: Rayburn WF, Turco M, Davis DA, editors. *Continuing Professional Development in Medicine and Health Care: Better Education, Better Patient Outcomes*. Phila: Wolters Kluwer; 2018. p.135-148.

### Nash, Jacob

- Gonzales M, Erdei E, Hoover J, Nash J. A Review of Environmental Epidemiology Studies in Southwestern and Mountain West Rural Minority Populations. *Current Epidemiology Reports*. 2018:1-13.
- Ray V, Ortiz K, Nash J. Who is Policing the Community? A Comprehensive Review of Discrimination in Police Departments. *Sociology Compass*. 2018;12(1):e12539.

### Stuart Nelson

- Nestsiarovich A, Mazurie AJ, Hurwitz NG, Kerner B, Nelson S, Crisanti AS, Tohen M, Krall RL, Perkins DJ, Lambert CG. Comprehensive comparison of monotherapies for psychiatric hospitalization risk in bipolar disorders. *Bipolar Disord*. 2018 Jun 19
- Nelson SJ, Oprea TI, Ursu O, Bologa CG, Zaveri A, Holmes J, Yang JJ, Mathias SL, Mani S, Tuttle MS, Dumontier M. Formalizing drug indications on the road to therapeutic intent. *J Am Med Inform Assoc*. 2017 Nov 1;24(6):1169-1172.

- Nestsiarovich A, Hurwitz NG, Nelson SJ, Crisanti AS, Kerner B, Kuntz MJ, Smith AN, Volesky E, Schroeter QL, DeShaw JL, Young SS, Obenchain RL, Krall RL, Jordan K, Fawcett J, Tohen M, Perkins DJ, Lambert CG. Systemic challenges in bipolar disorder management: A patient-centered approach. *Bipolar Disord.* 2017 Dec;19(8):676-688.



## PRESENTATIONS, EXHIBITS AND DEMONSTRATIONS

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### **Bernauer, Michael**

- Bernauer MB. Thesis background: Improving Early Detection of Sepsis using Unstructured Clinical Text. UNMH Nursing Unit. Albuquerque, NM. October 9, 2017. Presentation

### **Bradley, Patricia**

- New Mexico Conference on Aging Health and Enrichment Fair, exhibitor, Albuquerque NM, August 2017
- Cancer Services of New Mexico Family Cancer Retreat Fall 2017, exhibitor, Albuquerque NM, September 2017
- SCC/MLA Annual Conference, presenter, Albuquerque NM, October 2017
- HED 391, guest lecturer, Albuquerque NM, October 2017
- SOM Faculty Quick Start, presenter, Albuquerque NM, November 2017
- New Mexico Library Association, presenter, Albuquerque NM, November 2017
- Albuquerque Public Schools Career Enrichment Center, presenter, Albuquerque NM, December 2017
- Native Voices Outreach, demonstration, Torreon NM, January 2018
- Native Health Initiative Healers of Tomorrow, presenter, Albuquerque NM, January 2018
- KOB Health Fair, exhibitor, Albuquerque NM, January 2018
- New Mexico Public Health Association 2018 Annual Conference, exhibitor, Albuquerque NM, April 2018
- Navajo Division of Health Community Health Representative Outreach Program Annual Meeting, presenter, Albuquerque NM, April 2018
- Head 2 Toe Conference, exhibitor, Albuquerque NM, April 2018
- Cancer Services of New Mexico, Family Cancer Retreat Spring 2018, exhibitor, Albuquerque NM, April 2018
- Tribal College Librarians' Institute, presenter, Bozeman MT, June 2018
- American Indian Higher Education Consortium Research Institute, presenter, Seattle WA, June 2018
- Albuquerque Area Indian Health Board Native American Research Centers for Health interns, presenter, Albuquerque NM, June 2018

### **Eldredge, Jonathan**

- Spencer AJ, Eldredge JD. Systematic reviews: roles for librarians. Poster. South Central Chapter/Medical Library Association Annual Meeting. Albuquerque, NM. October 16, 2017
- Miriam Libbey Keynote Speech. Georgia Health Sciences Libraries Association Annual Meeting. Atlanta, GA. May 19, 2018
- National Institutes of Health. National Library of Medicine G13 Special Emphasis Scientific Review Panel: Scholarly Works. ZLM1 ZH-P 01. Bethesda, MD. April-July 2017
- Dissertation Committee. College of Nursing Robert Wood Johnson Foundation Fellow Patricia Harnois-Church. Albuquerque, NM. 2014-2017
- Faculty Workshop: Facilitating Learning in the Clinical Reasoning Course. Instructor. Albuquerque, NM. July 18, 2017; December 4, 2017; and January 12, 2018
- Finding and working with a research mentor. Research roadmap program. Presentation. Medical Library Association Annual Meeting. Atlanta, GA. May 20, 2018
- Overview of the research process. Research roadmap program. Presentation. Medical Library Association Annual Meeting. Atlanta, GA. May 20, 2018
- Quantitative Medicine 1 course. Course Co-Director. UNM School of Medicine. Albuquerque, NM. January-May 2018
- Biomedical Informatics. Course Director. Certificate in Clinical and Translational Sciences and Masters of Science in Clinical Research. Albuquerque, NM. July-August 2017
- Foundations of Research Methodologies. Co-Instructor. UNM Physician Assistant Program. Albuquerque, NM. June-July 2017

- Foundations of Research Methodologies. Co-Instructor. UNM Physician Assistant Program. Albuquerque, NM. June-July 2018
- Principles of Public Health. Co-Instructor. Masters of Public Health. College of Population Health. Albuquerque, NM. August-December 2017

**Gleasner, Robyn**

- SOM Block Chair Meeting, co-presenter, Albuquerque, NM, April 2018.

**Green, Michelle**

- Pharm 770 Zotero class, Albuquerque, NM, July 2017, class
- Family & Community Medicine Research, Albuquerque, NM, July 2017, class
- UNMH Nurse Residency Program, Research session, Albuquerque, NM, September 2017, class
- Nursing 332, Introduction to Research, Albuquerque, NM, September 2017, class
- UNM Freshman Learning Community, “So You Want to be a Doctor”, Albuquerque, NM, September 2017, class
- Albuquerque Public Schools Career Enrichment Center, LPN Program, Locating Health Information, Albuquerque, NM, December 2017, class

**Hall, Laura**

- SOM Library Orientation, co-presenter, Albuquerque, NM, July 2017
- Population Health – Evidence-Based Population Health course, using library tools and databases for student research projects, guest lecturer, Albuquerque, NM, September 2017
- McElfresh KR, Hall LJ, Repar P. Planning and Completing a Book Drive for Malawi. Poster presented at: South Central Chapter of the Medical Library Association Annual Meeting; 2017 October 16; Albuquerque, NM
- HSLIC Collection Update, co-presenter, Albuquerque, NM, November 2017
- Clinical Reasoning Block – 3, facilitator, 8 sessions, Albuquerque, NM, August – December 2017
- KOB Health Fair, exhibitor, Albuquerque, NM, January 2018

**Hendrix, Ingrid**

- UNMH Nurse Educators Foundation Series, Albuquerque, NM, July & December 2017, class
- UNMH Nursing Research Rounds, Albuquerque, NM, July 2017, presentation
- N550 Midwifery EBP, Albuquerque, NM, July 2017, class
- Doctoring I, Albuquerque, NM, August 2017, presentation
- Orthopedic Residents Zotero, Albuquerque, NM, August 2017, presentation
- OT/PT New Student Orientation, Albuquerque, NM, August 2017, presentation
- Searching PubMed for Visiting Russian Physical Therapy Practitioners, Albuquerque, NM, August 2017, class
- Physical Therapy EBP Search Class, Albuquerque, NM, August 2017, class
- College of Nursing BSN New Student Orientation, Albuquerque, NM, August 2017, presentation
- College of Nursing Psych/Mental Health New Student Orientation, Albuquerque, NM, August 2017, presentation
- Occupational Therapy EBP Literature Search, Albuquerque, NM September 2017, class
- Medical Education Scholars Introduction to Literature Searching, Albuquerque, NM, October 2017, class
- College of Nursing Honors Zotero, Albuquerque, NM, October 2017, class
- Doctoring IV Considerations in Caring for Patients with Physical Disabilities, Albuquerque, NM October-December 2017, class
- SCC/MLA Tech Expo Poll Everywhere, Albuquerque, NM, October 2017, presentation
- Neonatology Fellows Zotero, Albuquerque, NM, November 2017, presentation
- Occupational Therapy Administration and Management Grant Funding, Albuquerque, NM, December 2017, presentation
- UNMH Nurse Educators Foundation Series, Albuquerque, NM, January & May 2018, class
- College of Nursing MSN New Student Orientation, Albuquerque, NM, January 2018, Class
- KOB Health Fair, Albuquerque, NM, January 2018, exhibit

- Occupational Therapy Problem Based Learning Tutoring, Albuquerque, NM January-May 2018, class
- College of Nursing N332 Introduction to Nursing Research, Albuquerque, NM, January 2018, class
- OMED Lunch@Learn Evidence-Based Education, Albuquerque, NM March 2018, class
- Occupational Therapy Life After UNM, Albuquerque, NM, April 2018, Presentation
- NM Public Health Association Improving Access to Healthcare for People with Disabilities, Albuquerque, NM, April 2018
- UNMH Nurse Educators Foundation Series, Albuquerque, NM, May 2018, class
- College of Nursing N550 Midwifery EBM Zoom session, Albuquerque, NM May 2018, presentation
- College of Nursing Honors Zotero, Albuquerque, NM, June 2018, class
- College of Nursing DNP and PhD New Student Orientation, Albuquerque, NM, June 2018, presentation

#### **McElfresh, Karen**

- SOM Library Orientation, co-presenter, Albuquerque, NM, July 2017
- BIOM 564, “Copyright & Public Access”, guest lecturer, Albuquerque, NM, August 2017
- Medical Laboratory Sciences orientation, guest lecturer, Albuquerque, NM, August 2017
- Department of Pathology Journal Club, co-presenter, Albuquerque, NM, August 2017
- COP Faculty meeting presentation, co-presenter, Albuquerque, NM, September 2017
- McElfresh KR, Hall LJ, Repar P. Planning and Completing a Book Drive for Malawi. Poster presented at: South Central Chapter of the Medical Library Association Annual Meeting; 2017 October 16; Albuquerque, NM
- HSLIC Collection Update, co-presenter, Albuquerque, NM, November 2017
- Lawrence EL, McElfresh KR. Partnering to Develop a Clearinghouse for Wellness Resources. Poster presented at: Western Group on Educational Affairs (WGEA) Regional Meeting; 2018 March 25; Denver, CO
- SOM Curriculum Committee presentation “Partnering to Develop a Clearinghouse for Wellness Resources”, presenter, Albuquerque, NM, June 2018

#### **Morley, Sarah**

- Pharm 770 Drug Information Rotation, Albuquerque, NM, July 2017, class
- Faculty QuickStart, Albuquerque, NM, July 2017, presentation
- Pharm 770 Drug Information Rotation, Albuquerque, NM, August 2017, class
- Phase II Internal Medicine Clerkship Orientation, Albuquerque, NM, August 2017, presentation
- SOM PReP Orientation, Albuquerque, NM, August 2017, presentation
- Urology Residency Program Research Curriculum, Literature Searching, Albuquerque, NM, September 2017, class
- NSG 332, Introduction to Research, Albuquerque, NM, September 2017, class
- Medical Education Scholars Program, Introduction to Literature Searching, Albuquerque, NM, October 2017, class
- HSC Education Day, Psychometric Properties of the Medical Information Literacy Questionnaire (MILQ), October 2017, presentation
- South Central Chapter/Medical Library Association Annual Conference, Writing a professional book: Value added library service, Albuquerque, NM, October 2017, presentation.
- South Central Chapter/Medical Library Association Annual Conference, Reference Services – Model T or Lexus Hybrid. Albuquerque, NM, October 2017, Roundtable presentation
- Phase II Internal Medicine Clerkship Orientation, Albuquerque, NM, October 2017, presentation
- Project Echo Literature Searching, Albuquerque, NM, October 2017, class
- Phase II Internal Medicine Clerkship Orientation, Albuquerque, NM, November 2017, presentation
- Internal Medicine Residency Program Research Day, Albuquerque, NM, November 2017, presentation
- Palliative Care Grand Rounds, Albuquerque, NM, December 2017, presentation

- Albuquerque Public Schools Career Enrichment Center, LPN Program, Locating Health Information, Albuquerque, NM, December 2017, class
- Doctoring IV, Considerations in Caring for Patients with Physical Disabilities, Albuquerque, NM, October-December 2017, class
- Phase II Internal Medicine Clerkship Orientation, Albuquerque, NM, January 2018, presentation
- Pharm 832, Evidenced-Based Medicine Course, Albuquerque, NM, January- March 2018, class
- Urology Residency Program Research Curriculum, Scholarly Communication Albuquerque, NM, January 2018, presentation
- KOB Health Fair, Albuquerque, NM, January 2018, exhibit
- Maternal Fetal Medicine Fellowship Program, Literature Searching, Albuquerque, NM, February 2018, class
- Phase II Internal Medicine Clerkship Orientation, Albuquerque, NM, February 2018, presentation
- OMED Lunch@Learn, Evidence-Based Education, Albuquerque, NM March 2018, class
- Maternal Fetal Medicine Fellowship Program, Scholarly Communication, Albuquerque, NM, February 2018, presentation
- Pharm 770 Drug Information Rotation, Albuquerque, NM, June 2018, class
- House Officer Orientation, Albuquerque, NM, June 2018, presentation

#### **Nash, Jacob**

- SOM Library Orientation, co-presenter, Albuquerque, NM, July 2017
- Literature Searching Skills to Emergency Medicine Residents, instructor, Albuquerque, NM, August 2017
- Nutrition 528 session on Searching for Evidence, instructor, Albuquerque, NM, August 2017
- Digital Commons Presentation, presenter, Albuquerque, NM, August, 2017
- Freshmen Learning Community So You Want To Be a Doctor?, instructor, Albuquerque, NM, September, 2017
- BIOM 410, Searching for Evidence, instructor, Albuquerque, NM, September 2017
- Presentation on library resources to Pharmacy Faculty, co-presenter, Albuquerque, NM, September 2017
- Library skills presentation to EMS students, presenter, Albuquerque, NM, September 2017
- Library Support for Medical Student Scholarly Project, presenter, Albuquerque, NM, December 2017
- Copyright Seminar for the Adolescent Medicine group, instructor, Albuquerque, NM, December 2017
- Types of Comprehensive Reviews, presenter, Albuquerque, NM, January, 2018
- Data Extraction Presentation, presenter, Albuquerque, NM, March 2018
- SOM Block chairs presentation, co-presenter, Albuquerque, NM, April, 2018
- Question formulation and PICO for BA-MD students, instructor Albuquerque, NM, June 2018
- PubMed searching for BA-MD students, instructor, Albuquerque, NM, June 2018

#### **Philip Kroth**

- Kroth PJ. How to improve EHR-related physician stress, burnout, and turnover. Institute for Healthcare Improvement 2018 Summit, San Diego, CA, April 27, 2018. (Invited Class)
- Kroth PJ. The electronic elephant in the room: How does health IT contribute to clinician stress and burnout? Arizona State University Biomedical Informatics Seminar Series, Mayo Clinic, Scottsdale, AZ, April 20, 2018. (Invited Speaker)
- Kroth PJ, Morioka-Douglas N, Veres S, Menk J, Babbott S, Poplau S, Corrigan K, Linzer M. Defining and minimizing stress due to health information and communication technologies including the electronic health record: First results from the MS-Squared Study. Society for General Internal Medicine (SGIM) Annual Meeting, Denver, CO, April 12, 2018. (Peer Reviewed Abstract and Presentation)
- Gardner R, Cooper E, Harris D, Haskell J, Poplau S, Kroth PJ, Linzer M. A statewide assessment of physician burnout and health information technology-related stress. Society for

General Internal Medicine Annual Meeting, Denver, CO, April 12, 2018. (Peer Reviewed Abstract and Presentation)

- Kroth PJ. EHR related stress and burnout: Results from the MS-Squared Study. The Internal Medicine Grand Rounds, University of New Mexico Health Sciences Center, Albuquerque, NM, July 20, 2017. (Invited Speaker)

**IN-SERVICES JULY 2017 – JUNE 2018**

Special Topics		
Subject	Lead Presenter	Date
Fire Extinguisher Training	Steve Stockdale	July 12, 2017
UNM School of Medicine Wellness	Dr. Liz Lawrence	October 5, 2017
DynaMed Plus, Up To Date	Michelle Green	November 13, 2017
Stat!Ref	Michelle Green	December 6, 2017
Medline Plus	Michelle Green	January 17, 2018
National Guideline Clearinghouse	Michelle Green	February 27, 2018
HSC/HSLIC New Logo Guidelines	Sally Bowler-Hill	June 13, 2018

Note: Data shown are from the latest date the In-Service was presented if given more than once.

**LIBRARY HOURS 2017–18**

Days	Hours
Monday–Thursday	7 a.m. – 11 p.m.
Friday	7 a.m. – 6 p.m.
Saturday	9:30 a.m. – 6 p.m.
Sunday	12 p.m. – 11 p.m.

**2018 STAFF APPRECIATION AND AWARDS**

Name	Award
Lucas Poloni Cordeiro, BS	Degree or Certification
Jordan Bancroft-Smithe, MA	Degree or Certification
Sarah Morley, PhD, MLS, AHIP	Major Publication
Jonathan Eldredge, JLS, PhD, AHIP	Major Publication
Patricia Bradley, MLS, AHIP	Major Publication
Jacob Nash, MSLIS	Major Publication
Gale Hannigan, PhD, MPH, AHIP	Major Publication
Laura Hall, MFA	Major Publication
Jacob Nash, MSLIS	Outstanding Performance
Ingrid Hendrix, MILS, AHIP	Outstanding Customer Service
Service Point, Karen Buntin, MSLS, James Perea, Jim Bynum, MA, Jordan Bancroft-Smithe, MA	Outstanding Process Improvement

**HSLIC STAFF ROSTER 2017–18**

Name	Unit, Title	Start Date	End Date
Bancroft, Jordan	Service Point, Library Information Specialist 3	05-15-17	
Bernauer, Michael	Biomedical Informatics Research, Training & Scholarship, Biomedical Informatics Fellow	07-01-16	
Bowler-Hill, Sally	Planning & Business Support, Manager Administrative Operations	09-08-03	
Bradley, Patricia	Education, Consultation & Reference Services, Native and Distance Services Librarian	03-29-04	
Brammer, Patricia	Planning & Business Support, Unit Administrator 3	06-19-17	
Buchanan, Holly Shipp	Administration, HSLIC Executive Director	08-15-97	01-31-18
Buntin, Karen	Service Point, Library Information Specialist 3	04-14-14	
Bynum, Jim	Service Point, Manager Library Operations	05-14-01	
Cady, Brett	Service Point, Library Information Specialist 3	05-15-17	02-06-18
Cianflone, Mary	Planning & Business Support, Accountant 1	10-23-2017	03-21-18
D'Aloia, Katrina	Planning & Business Support, Operations Specialist	09-06-13	07-31-18
Eldredge, Jon	Biomedical Informatics Research, Training & Scholarship, Evidence Based and Translational Sciences Collaboration Coordinator	01-01-86	
Gleasner, Robyn	Resources, Archives & Discovery, Manager, Library Operations	12-02-13	
Green, Michelle	Education, Consultation & Reference Services, Instructional Services Librarian	09-19-16	06-30-18
Hall, Laura	Resources, Archives & Discovery, Division Head, Interim Co-Director	04-01-04	
Hannigan, Gale	Biomedical Informatics Research, Training & Scholarship, Research Professor	06-27-13	
Hendrix, Ingrid	Education, Consultation & Reference Services, Nursing Services Librarian	12-03-01	
Jones, Linda	Accountant 1	06-26-18	
Kroth, Philip	Biomedical Informatics Research, Training & Scholarship, Director	03-01-04	
McElfresh, Karen	Resources, Archives & Discovery, Resource Management Librarian	10-14-13	

Name	Unit, Title	Start Date	End Date
Mercer, Beth	Planning & Business Support, Program Specialist IHSC	07-08-13	06-30-18
Mey, Timothy	Resources, Archives & Discovery, Library Information Specialist 3	10-27-14	
Miles, Katie	Resources, Archives & Discovery, Resource Management Librarian	03-06-17	12-21-17
Morley, Sarah	Education, Consultation & Reference Services, Clinical Services Librarian, Interim Co-Director	06-01-99	
Morris, Libbye	Planning & Business Support, Program Specialist	01-23-12	07-07-17
Nash, Jacob	Resources, Archives & Discovery, Resource Management Librarian	10-01-13	
Nelson, Stuart	Biomedical Informatics Research, Training & Scholarship, Research, Visiting Professor	06-15-15	
Perea, James	Service Point, Library Services Coordinator	05-22-95	06-30-18
Poloni Cordeiro, Lucas	Planning & Business Support, Facilities Services Manager	12-18-2017	
Proctor, Kristin	Service Point, Library Information Specialist 3	03-26-18	
Seyl, MaryLou	Planning & Business Support, Administrative Assistant 3	08-02-99	
Sloane, Lori	Resources, Archives & Discovery, Data Manager	06-25-12	
Stockdale, Steve	Deputy Director, HSLIC	01-05-15	

Graduate Students and Student Assistants	
Poloni Cordeiro, Lucas (12-2017)	Ortiz, Felicity (12-2017)
Romero, Megan	Chiasson, Graeme (05-2018)
Holden, Natalie (11-2017)	Broyles, Hannah
Nauer, Jennifer	Lucero-Barner, Mariah (05-2018)
Chavez, Julian (11-2017)	Johnson, Nichole
Jetty, Jadzia (10-2017)	Galaviz, Shirley
Martinez, Olivia (12-2017)	Natewa, Tyrell (05-2018)
Hibray, Rachel	Schalip, Brandon
Younkman, Owen	Lynch, Gwen
Rivera, Ariadna	Bethany Godwin



# STATISTICS

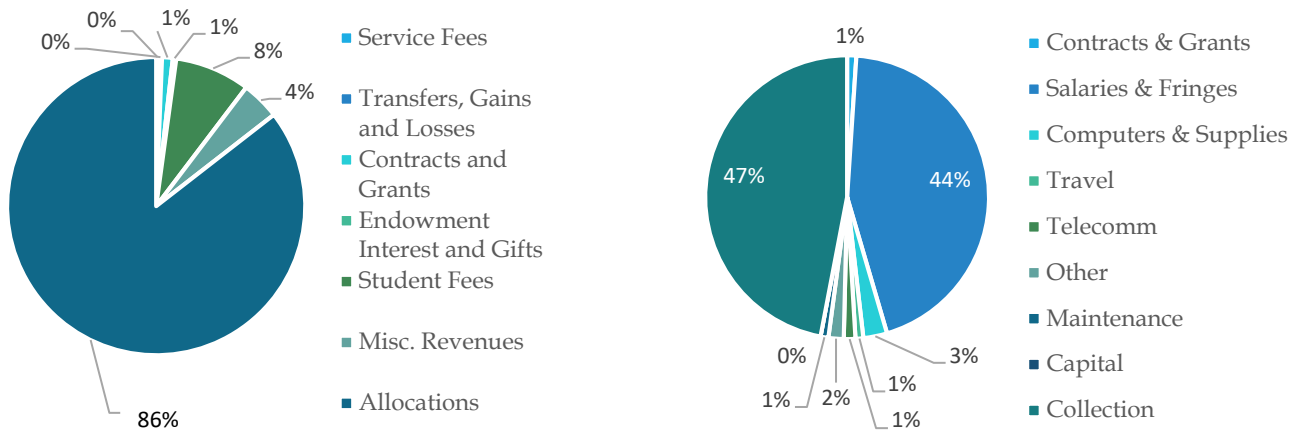


## ADMINISTRATIVE SERVICES

Table 1: HSLIC Personnel

	2015–16	2016–17	2017-18	% Change from Prior Year
<b>Library Services and Education Services</b>				
Professional Staff	7.00	7.00	8.0	0%
Support Staff	7.50	9.00	8.0	-11%
Students	2.00	2.00	5	150%
<b>Biomedical Informatics</b>				
Professional Staff	4.90	3.90	3.85	-1%
Support Staff	1.00	1.00	0	-100%
Students	0.50	0.60	0	-100%
<b>Administration</b>				
Professional Staff	3.00	3.00	2	-33%
Support Staff	5.60	6.50	5	-23%
Students	.79	1.5	.5	-67%
<b>Total HSLIC</b>				
Professional Staff	14.9	13.9	13.9	0%
Support Staff	14.1	16.5	13	-21%
Students	3.29	4.10	5.5	34%
<b>Total HSLIC Staff</b>	<b>33.79</b>	<b>34.50</b>	<b>36</b>	<b>4%</b>

Figure 1: HSLIC Revenue and Expenses



<b>Revenue<sup>1</sup></b> <b>\$3,642,626</b>	<b>Expenditures</b> <b>\$3,655,398</b>
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<sup>1</sup> Revenue does not include \$37K in collection expenditures incurred directly by other departments.

Biomedical Informatics

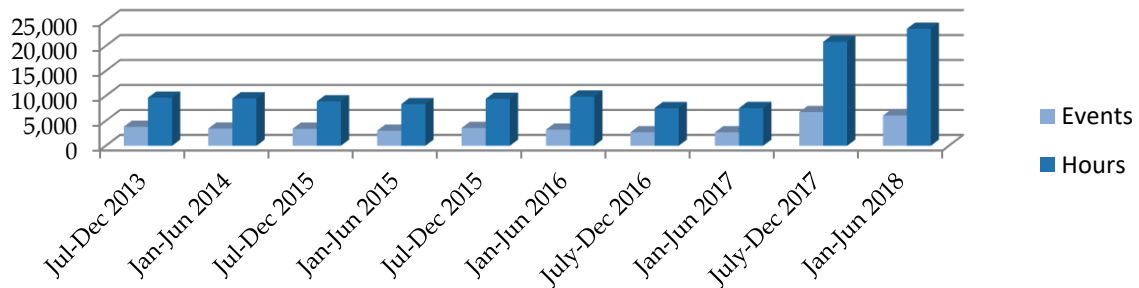
**Table 2: Biomedical Informatics (BMI) Fellowship and Master of Science in Clinical Research (MSCR) Education**

	2015–16	2016–17	2017-18	% Change from Prior Year
Number of BMI Fellows Currently Enrolled	1	2	1	-50%
Total Number of BMI Fellows Completing Training (Cumulative)	2	2	0	-100%
Total # of Seminar Series Lectures Offered for CME credit	14	14	14	0%
Total # of Seminar Series Attendees	139	182	104	-43%
Number of Students Completing Level 1 MSCR BMI Course	8	7	5	-29%
Number of Sections of Level 2 & 3 MSCR BMI Courses Completed by Students <sup>1</sup>	4	2	1	-50%
Total Number of Students Completing MSCR BMI Courses	12	8	6	-25%
Total BMI Credit Hours Taught in MSCR Program	17	11	7	-36%

<sup>1</sup> A student may complete more than one section of Level 2 & 3 MSCR BMI Courses.

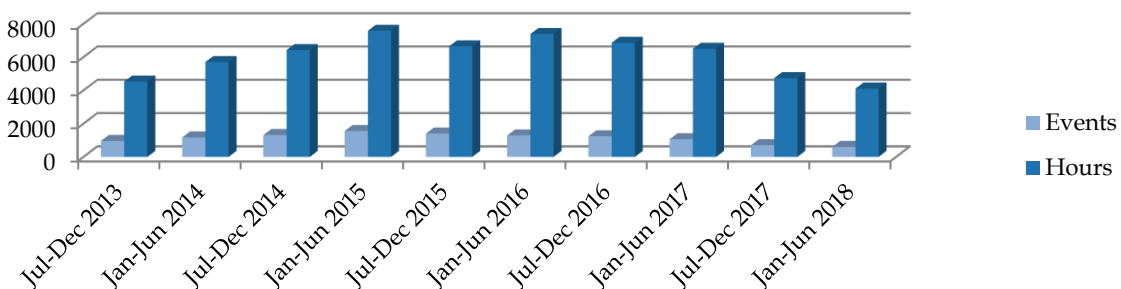
**DOMENICI CENTER FOR HEALTH SCIENCES EDUCATION**

**Figure 2: Use of the Domenici Center**



<sup>1</sup>Increase in FY2017-2018 due to bringing new classroom wing online in August 2017.

**Figure 3: Use of the Interprofessional Healthcare Simulation Center**



<sup>1</sup>Decrease in FY2017-2018 due to large remodeling project.

## LIBRARY AND EDUCATION SERVICES

**Table 3: Instructional Programs/Orientations**

	2015–16	2016–17	2017-18	% Change from Prior Year
Complete Non-Credit Courses Taught by HSLIC Personnel	3	3	0	-100%
Complete Credit Courses Taught by HSLIC Personnel	21	10	10	0%
Total # of Sessions within Courses Above	206	102	131	28%
# of Guest Sessions within Curricula <sup>1</sup>	207	54	51	-6%
# of In-Person Education Sessions <sup>1</sup>	104	74	80	8%
# of New Online Synchronized Education Sessions	3	0	0	0
Total # of Sessions Taught by HSLIC Personnel	520	230	262	14%
Attendees	6,074	3,310	3,403	3%

<sup>1</sup> Decreases reflect curricular changes and more stringent reporting methodology.

**Table 4: Distance Services Training**

	2015–16	2016–17	2017-18	% Change from Prior Year
Totals: # of Sessions <sup>1</sup>	22	37	15	-59%
Attendees	611	886	324	-63%

<sup>1</sup> Increase in FY16–17 due to Native Voices Outreach grants.

**Table 5: Individual Consultations**

# of Consultations	2015–16	2016–17	2017-18	% Change from Prior Year
Sessions	256	211	205	-3%
Attendees	309	274	258	-6%
Total # of Contact Hours	281	202	229	13%

**Table 6: Size of General Collection (Titles)**

	Titles 2015–16	Titles 2016–17	Titles 2017-18	% Change from Prior Year
Total Print Monographs	24,651	24,165	29,261	21%
Total Electronic Monographs	8,583	9,225	10,843	18%
Unique Print Serials	6	0	0	0
Electronic Serials Purchased <sup>1</sup>	2,755	2,834	4,636	64%
Total Electronic Serials in Catalog /Listed on Website	22,302	28,458	30,888	9%
Total Accessible Serials <sup>2</sup>	3,188	3,973	2,332	-41%
Number of Databases <sup>3</sup>	92	92	66	-28%

<sup>1</sup>Subscribed titles and half of the non-subscribed titles counted for Oxford and Sage packages for FY17-18. There was an error counting Ovid titles FY 16-17 corrected for FY17-18

<sup>2</sup>Government documents freely available on internet not counted FY17-18.

<sup>3</sup>Individual publisher platforms not counted FY 17-18 to reflect ACRL's definition.

**Table 7: Size of General Collection (Volumes)**

	Volumes 2015–16	Volumes 2016–17	Volumes 2017-18	% Change from Prior Year
<b>Total Print Monographs</b>	31,599	30,838	32,091	4%
<b>Print Volumes in Library</b>	91,052	89,706	90,259	1%
<b>Physical Nonprint Volumes in Library (Microforms, CD-ROM)</b>	558	524	444	-15%
<b>Print Volumes in Remote Storage</b>	45,533	46,008	47,237	3%
<b>Physical Nonprint Volumes in Remote Storage</b>	238	249	252	1%
<b>Total Print Volumes (Monographs &amp; Serials)</b>	136,674	135,993	136,696	1%
<b>Total Physical Nonprint Volumes<sup>1</sup></b>	796	773	491	-36%
<b>Volumes Commercially Bound</b>	24	0	0	0%

<sup>1</sup> Domenici Center keys removed from catalog FY17-18.

**Table 8: Special Collections Summary Table**

	2015–16	2016–17	2017-18	% Change from Prior Year
<b>Manuscripts (archives in linear feet)</b>	1,995	2,046	2,077	2%
<b>Photos/Slides/Negatives<sup>1</sup></b>	7,740	7,740	7,740	0%
<b>Audio<sup>1</sup></b>	701	701	701	0%
<b>Film/Video/Disks<sup>1</sup></b>	172	202	202	0%
<b>Total Graphic Materials</b>	9,122	9,184	9,184	0%
<b>Number of Digitized Collections</b>	137	137	137	0%
<b>Size of Collections (Megabytes)</b>	159,000	159,000	173,175	9%
<b>Total Items in Digitized Collections</b>	4,983	4,983	5,815	17%
<b>Number of Times Accessed</b>	Unavailable	Unavailable	Unavailable	NA
<b>Volumes/Pamphlets Digitized</b>	65	65	102	57%
<b>Unbound Sheets Digitized</b>	9,353	9,353	9,353	0%
<b>Photographs/Non-Paper Items Digitized</b>	2,575	2,575	3,370	31%

<sup>1</sup> Actual number of items.

**Table 9: Local Collections**

	2015–16	2016–17	2017-18	% Change from Prior Year
<b>Native Health Database</b>				
<b>Size in Megabytes</b>	50.19	61	121	98%
<b>Total # of Items</b>	9,808	9,884	9,968	1%
<b>Number of Times Accessed</b>	3,909	3,521	5,012	42%
<b>UNM Digital Repository (HSC Collections)</b>				
<b>Items Contributed<sup>1</sup></b>	99	297	129	-57%0
<b>Usage</b>	Unavailable	Unavailable	17,642	NA

<sup>1</sup> Drop in items contributed due to migration to a new platform in FY 17-18.

**Table 10: Collection Development (General Expenditures — Dollars)**

	2015–16	2016–17	2017-18	% Change from Prior Year
<b>Print Monographs</b>	\$30,549	\$10,356	\$6,487	-37%
<b>Electronic Monographs</b>	\$309,928	\$147,614	\$263,985	79%
<b>Print Serials<sup>1</sup></b>	\$6,093	\$0	\$0	0%
<b>Electronic Serials</b>	\$1,116,515	\$1,148,040	\$1,267,265	10%
<b>Electronic Databases</b>	\$379,989	\$353,988	\$137,284	-61%
<b>Other Library Materials (Media)</b>	\$4,616	\$55	\$1,088	1878%
<b>Subtotal</b>	\$1,847,698	\$1,660,053	\$1,676,109	1%
<b>Bibliographic Utilities</b>	\$27,237	\$26,619	\$25,779	-3%
<b>ILL Expenditures<sup>2</sup></b>	\$20,994	\$37,932	\$16,066	-58%
<b>Total<sup>1</sup></b>	\$1,895,920	\$1,724,604	\$1,717,954	0%
<b>Consortial Expenditures</b>	\$368,879	\$498,224	\$535,255	7%
<b>Electronic Resources</b>	\$1,806,432	\$1,649,642	\$1,694,313	3%
<b>One-time expenditures (books, journal backfiles)</b>	NA	\$74,830	\$88,176	18%
<b>Ongoing subscriptions</b>	NA	\$1,323,714	\$1,587,312	20%

<sup>1</sup> Remaining print serials canceled in FY17 due to budget cuts.

<sup>2</sup> Method for calculating ILL expenditures changed in FY17 to include OCLC ILL services, shipping and copyright charges.

**Table 11: Resource Use: Interlibrary Loan (ILL) and Document Delivery (DD) Summary**

	2015–16	2016–17	2017-18	% Change from Prior Year
<b>Total ILL Items Received</b>	3,442	3,003	2,368	-21%
<b>Returnable ILL Items Received</b>	191	236	179	-24%
<b>Non-Returnable ILL Items Received</b>	3,251	2,767	2,189	-21%
<b>Interlibrary Loan Fill Rate</b>	61%	59%	58%	-2%
<b>% of Fills Done with Electronic Resources</b>	71%	58%	63%	9%
<b>Total ILL Items Provided to Other Libraries</b>	1,064	911	831	-9%
<b>Returnable ILL Items Provided</b>	87	53	76	43%
<b>Non-Returnable ILL Items Provided</b>	977	858	755	-12%
<b>Items Copied for Affiliated Users</b>	3,075	2,771	2,196	-21%
<b>Items Copied for Unaffiliated Users</b>	443	343	127	-63%
<b>Total Document Delivery</b>	3,518	3,114	2,323	-25%

**Table 12: Use of Library Physical Materials**

	2015–16	2016–17	2017-18	% Change from Prior Year
<b>Checkouts, All Formats</b>	13,265	11,862	10,806	-9%
<b>Initial Circulations</b>	11,921	9,909	9,198	-7%
<b>Renewals</b>	1,344	1,041	766	-26%
<b>Print Reserves</b>	Unavailable	912	843	-8%
<b>In-House Use</b>	2,281	1,578	1,512	-4%
<b>Total Use</b>	16,995	13,440	12,318	-8%

**Table 13: Use of Electronic Course Reserves**

	2015–16	2016–17	2017-18	% Change from Prior Year
<b>Reserves Total Use</b>	Unavailable	38,873	41,768	7%
<b>Circulation of Print Material</b>	Unavailable	912	843	-8%
<b>Electronic Use<sup>1</sup></b>	Unavailable	37,961	40,925	8%
<b>Number of Courses Using Course Reserves<sup>2</sup></b>	Unavailable	69	135	96%
<b>Number of Courses with E-Reserves</b>	Unavailable	27	82	204%

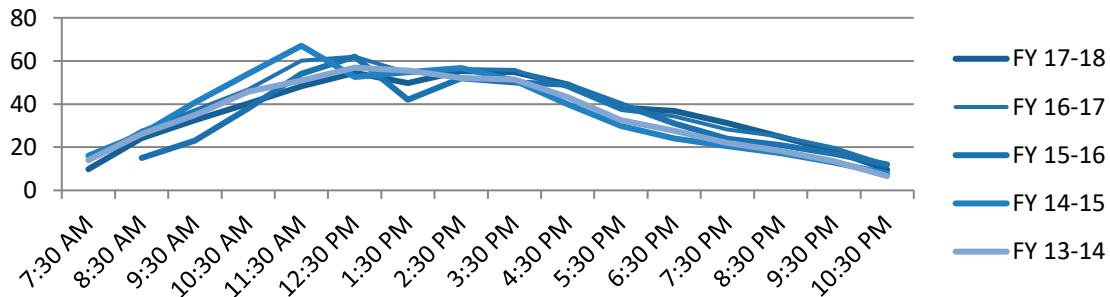
<sup>1</sup> Does not include items in packages purchased by University Libraries.

<sup>2</sup> Increase due to implementation of forced reserves, comparing holdings with UNM Bookstore's list.

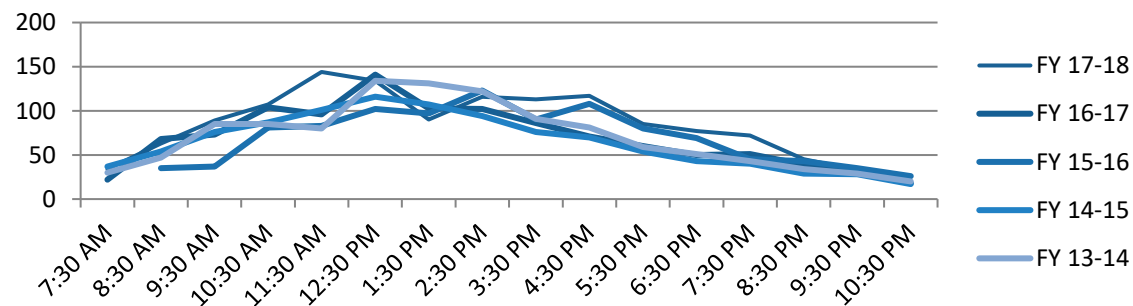
**Table 14: Use of the Library Building**

	2015–16	2016–17	2017-18	% Change from Prior Year
<b>Annual Gate Count</b>	191,052	188,801	178,769	-5%
<b>Group Study Room Reservations</b>	3,230	5,222	7,137	37%
<b>Electronic Classroom Reservations (226 &amp; Med 2)</b>	637	627	606	-3%
<b>Classrooms on Wheels Reservations</b>	261	217	55	-75%
<b>Individual Study Room Use</b>	1,642	1,296	1,433	11%
<b>Mother's Room Use</b>	219	217	54	-75%

**Figure 4: Patrons in the Library Building (Average)**



**Figure 5 Patrons in the Library Building (Maximums)**



**Table 15: Use of Electronic Collection**

	2015–16	2016–17	2017-18	% Change from Prior Year
<b>Electronic Monograph Requests (est. uses)<sup>1</sup></b>	206,842	212,709	231,523	9%
<b>Electronic Serials Full-Text Requests (est. uses)</b>	942,377	1,126,371	1,131,822	0%
<b>Database Requests (est. based on search data)</b>	1,244,157	1,652,152	2,476,037	50%
<b>WorldCat Searches</b>	Unavailable	245,322	206,680	-16%
<b>WorldCat Visitors</b>	Unavailable	131,116	120,099	-8%
<b>Electronic Subject Guide Views</b>	54,385	86,899	91,707	6%
<b>Total Electronic Resources Use</b>	2,447,761	2,852,538	3,931,089	38%
<b>Total # Page Views for HSLIC Website</b>	1,301,063	1,078,012	803,022	-26%

<sup>1</sup> Decrease in Electronic Monograph Requests and a corresponding increase in Database Requests were due to a change in counting VisualDX usage as a database rather than an electronic monograph.

**Table 16: Number of Mediated Searches and Reference Questions<sup>1</sup>**

	2015–16	2016–17	2017-18	% Change from Prior Year
<b>Mediated Searches</b>	188	208	181	-13%
<b>Reference Questions (In Person &amp; Via Phone)<sup>1</sup></b>	938	1,428	1,100	-23%
<b>Electronic Reference Questions (Email)</b>	373	378	530	40%
<b>Total Reference Questions<sup>1</sup></b>	1,311	1,806	1,630	-10%
<b>Total Reference Questions &amp; Mediated Searches</b>	1,499	2,014	1,811	-10%

<sup>1</sup> An error was found in calculating reference questions, and this table was revised for FY14–FY16 to reflect corrections. Annual reports for previous years will still reflect this error.

## FREQUENTLY REQUESTED STATISTICS

	10 Years Ago 2007-08	5 Years Ago 2012-13	2016-17	2017-18
<b>Total Volume Holdings</b>	154,208	140,671	137,006	137,496
<b>Print Serial Subscriptions</b>	92	32	0	0
<b>Electronic Serials Subscriptions</b>	2,107	2,309	2,834	4,844
<b>Total Serials Subscriptions</b>	2,211	2,344	2,834	4,844
<b>Number of Databases</b>	148	110	91	66
<b>Amount Spent by Consortia</b>	\$185,858	\$342,779	\$498,224	\$535,255
<b>Total Collection Expenditures Excluding Binding &amp; ILL</b>	\$1,009,294	\$1,501,604	\$1,530,072	\$1,676,109
<b>Gate Count</b>	231,482	190,826	188,801	178,769
<b>Use of Library Materials (Print, Reserve, Media, Both In-Library and External Circulations)</b>	22,457	18,576	13,440	12,318
<b>Use of Electronic Resources, Including Databases<sup>1</sup></b>	6,138,949	2,044,215	2,852,538	3,931,089
<b>Total Reference Transactions, Including Literature Searches<sup>2</sup></b>	7,165	7,235	2,014	1,811
<b>Total ILL Items Received (Borrowing)</b>	2,029	1,514	3,003	2,368
<b>Total ILL Items Provided to Other Libraries (Lending)</b>	2,245	838	911	831
<b>Items Copied for Patrons</b>	721	213	3,114	2,323
<b>Library Presentations to Groups, Including Orientations &amp; Tours<sup>3</sup></b>	564	561	230	233
<b>Participants in Library Presentations</b>	7,379	5,386	3,310	3,403
<b>HSLIC Home-Page Views</b>	1.9M	670,988	1.1M	803,022
<b>Publicly Accessible Computers (Inside Library)</b>	73	56	69	55
<b>Public Seating</b>	336	366	478	457
<b>Number of Group Study Rooms</b>	5	8	9	9
<b>Number of Square Feet in Library<sup>4</sup></b>	44,171	44,171	37,030	37,030
<b>Total FTE</b>	77.64	58.3	34.5	36
<b>Service Hours per Week</b>	94.5	94.5	94.5	94.5

<sup>1</sup>Prior to FY08-09, website views were included in "Use of Electronic Resources, Including Databases"

<sup>2</sup>An error was found in calculating reference questions, and the date was revised for FY14-16 to reflect corrections. Annual reports for previous years will still reflect this error.

<sup>3</sup>In FY16-17 the methodology was revised for counting library presentations to groups.

<sup>4</sup>HSLIC revised its library square-footage calculation in FY14-15 to reflect more accurate building information available using the FAMIS system. In FY15-16, some HSLIC space became part of the HSC CIO's Office.