

PI: WALTON, LINDA J	Title: NNLM Greater Midwest Region (3)	
Received: 07/24/2015	FOA: LM15-003	Council: 01/2016
Competition ID: FORMS-C	FOA Title: REGIONAL MEDICAL LIBRARIES FOR THE NATIONAL NETWORK OF LIBRARIES OF MEDICINE (UG4)	
1 UG4 LM012346-01	Dual:	Accession Number: 3846780
IPF: 3972901	Organization: UNIVERSITY OF IOWA	
Former Number:	Department: University Libraries	
IRG/SRG: ZLM1 SRC (99)	AIDS: N	Expedited: N
Subtotal Direct Costs (excludes consortium F&A) Year 1: 1,032,422 Year 2: 1,034,315 Year 3: 1,035,638 Year 4: 1,035,734 Year 5: 1,033,950	Animals: N Humans: N Clinical Trial: N Current HS Code: 10 HESC: N	New Investigator: N Early Stage Investigator: N
<i>Senior/Key Personnel:</i>		
Linda Walton	<i>Organization:</i> University of Iowa	<i>Role Category:</i> PD/PI

APPLICATION FOR FEDERAL ASSISTANCE
SF 424 (R&R)

3. DATE RECEIVED BY STATE		State Application Identifier
1. TYPE OF SUBMISSION*		4.a. Federal Identifier
<input type="radio"/> Pre-application <input checked="" type="radio"/> Application <input type="radio"/> Changed/Corrected Application		b. Agency Routing Number
2. DATE SUBMITTED 2015-07-24	Application Identifier	c. Previous Grants.gov Tracking Number
5. APPLICANT INFORMATION		Organizational DUNS*: 0627616710000
Legal Name*: University of Iowa Department: Division: Street1*: 2 Gilmore Hall Street2: City*: Iowa City County: State*: IA: Iowa Province: Country*: USA: UNITED STATES ZIP / Postal Code*: 522421320		
Person to be contacted on matters involving this application Prefix: First Name*: Jennifer Middle Name: L. Last Name*: Lassner Suffix: Position/Title: Assistant Vice President for Research Street1*: 2 Gilmore Hall Street2: City*: Iowa City County: State*: IA: Iowa Province: Country*: USA: UNITED STATES ZIP / Postal Code*: 52242-1320 Phone Number*: 319-335-2123 Fax Number: 319-335-2130 Email: nih@uiowa.edu		
6. EMPLOYER IDENTIFICATION NUMBER (EIN) or (TIN)*		1-426004813-A1
7. TYPE OF APPLICANT*		H: Public/State Controlled Institution of Higher Education
Other (Specify): <input checked="" type="radio"/> Small Business Organization Type <input type="radio"/> Women Owned <input type="radio"/> Socially and Economically Disadvantaged		
8. TYPE OF APPLICATION*		If Revision, mark appropriate box(es).
<input checked="" type="radio"/> New <input type="radio"/> Resubmission <input type="radio"/> Renewal <input type="radio"/> Continuation <input type="radio"/> Revision		<input type="radio"/> A. Increase Award <input type="radio"/> B. Decrease Award <input type="radio"/> C. Increase Duration <input type="radio"/> D. Decrease Duration <input type="radio"/> E. Other (specify) :
Is this application being submitted to other agencies?* <input type="radio"/> Yes <input checked="" type="radio"/> No What other Agencies?		
9. NAME OF FEDERAL AGENCY* National Institutes of Health		10. CATALOG OF FEDERAL DOMESTIC ASSISTANCE NUMBER TITLE:
11. DESCRIPTIVE TITLE OF APPLICANT'S PROJECT* NNLM Greater Midwest Region (3)		
12. PROPOSED PROJECT		13. CONGRESSIONAL DISTRICTS OF APPLICANT
Start Date* 05/01/2016	Ending Date* 04/30/2021	IA-002

14. PROJECT DIRECTOR/PRINCIPAL INVESTIGATOR CONTACT INFORMATION

Prefix: First Name*: Linda Middle Name: J Last Name*: Walton Suffix:

Position/Title: Associate University Librarian

Organization Name*: University of Iowa

Department: University Libraries

Division: Library Administration

Street1*: 100 Main Library

Street2: Admin. HLHS

City*: Iowa City

County: Johnson

State*: IA: Iowa

Province:

Country*: USA: UNITED STATES

ZIP / Postal Code*: 52242-1320

Phone Number*: 319-335-9871 Fax Number: 319-335-5900 Email*: linda-walton@uiowa.edu

15. ESTIMATED PROJECT FUNDING

a. Total Federal Funds Requested* \$6,491,191.00

b. Total Non-Federal Funds* \$0.00

c. Total Federal & Non-Federal Funds* \$6,491,191.00

d. Estimated Program Income* \$0.00

16. IS APPLICATION SUBJECT TO REVIEW BY STATE EXECUTIVE ORDER 12372 PROCESS?*

- a. YES THIS PREAPPLICATION/APPLICATION WAS MADE AVAILABLE TO THE STATE EXECUTIVE ORDER 12372 PROCESS FOR REVIEW ON:
- DATE:
- b. NO PROGRAM IS NOT COVERED BY E.O. 12372; OR
- PROGRAM HAS NOT BEEN SELECTED BY STATE FOR REVIEW

17. By signing this application, I certify (1) to the statements contained in the list of certifications* and (2) that the statements herein are true, complete and accurate to the best of my knowledge. I also provide the required assurances * and agree to comply with any resulting terms if I accept an award. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 18, Section 1001)

I agree*

* The list of certifications and assurances, or an Internet site where you may obtain this list, is contained in the announcement or agency specific instructions.

18. SFLL or OTHER EXPLANATORY DOCUMENTATION

File Name:

19. AUTHORIZED REPRESENTATIVE

Prefix: First Name*: Daniel Middle Name: A. Last Name*: Reed Suffix: Ph.D.

Position/Title*: Vice President for Research

Organization Name*: University of Iowa

Department: Office of the VP for Research

Division:

Street1*: Room 2 Gilmore Hall

Street2:

City*: Iowa City

County: Johnson

State*: IA: Iowa

Province:

Country*: USA: UNITED STATES

ZIP / Postal Code*: 52242-1320

Phone Number*: 319-335-2123 Fax Number: 319-335-2130 Email*: nih@uiowa.edu

Signature of Authorized Representative*

Daniel A. Reed

Date Signed*

07/24/2015

20. PRE-APPLICATION File Name:**21. COVER LETTER ATTACHMENT** File Name:

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**Component
Summary**

Components	Component Project Title	Organization Name	Contact PD/PI Name or Project Lead Name
Overall	NNLM Greater Midwest Region (3)	University of Iowa	Walton, Linda J
Admin-Core-001 (001)	NN/LM Greater Midwest Region (3)	University of Iowa	Walton, Linda J
Core-001 (002)	NN/LM Grater Midwest Region (3)	University of Iowa	Walton, Linda J
Core-002 (003)	NN/LM Greater Midwest Region (3)	University of Iowa	Walton, Linda J

**Project/Performance
Site Location(s) Summary**

Applicant Organization	City	State/Province	Country
University of Iowa	Iowa City	IA	UNITED STATES

Organization Name	City	State/Province	Country	Component
University of Iowa	Iowa City	IA	UNITED STATES	Admin-Core-001 (001)
University of Iowa	Iowa City	IA	UNITED STATES	Core-001 (002)
University of Iowa	Iowa City	IA	UNITED STATES	Core-002 (003)
University of Iowa	Iowa City	IA	UNITED STATES	Overall
University of Michigan	Ann Arbor	MI	UNITED STATES	Core-001 (002)

Human Subjects
Clinical Trial
Human Embryonic Stem Cells
Vertebrate Animals
Summary

Components	Human Subjects	Clinical Trial	HESC Involved	Vertebrate Animals
Overall	N		N	N
Admin-Core-001 (001)	N		N	N
Core-001 (002)	N		N	N
Core-002 (003)	N		N	N

Composite Application Budget Summary

Categories	Budget Period 1	Budget Period 2	Budget Period 3	Budget Period 4	Budget Period 5	TOTALS
Salary, Wages and Fringe Benefits	714,722	671,395	691,538	712,284	733,650	3,523,589
Equipment	0	0	0	0	0	0
Travel	45,000	45,000	45,000	45,000	45,000	225,000
Participant/Trainee Support Costs	0	0	0	0	0	0
Other Direct Costs (excluding Consortium)	148,700	211,000	190,000	164,250	141,000	854,950
Consortium Costs	124,000	106,920	109,100	114,200	114,300	568,520
Direct Costs	1,032,422	1,034,315	1,035,638	1,035,734	1,033,950	5,172,059
Indirect Costs	266,025	264,308	264,063	262,636	262,100	1,319,132
Total Direct and Indirect Costs	1,298,447	1,298,623	1,299,701	1,298,370	1,296,050	6,491,191

Total Direct Costs less Consortium F&A

NIH policy (NOT-OD-05-004) allows applicants to exclude consortium/contractual F&A costs when determining if an application falls at or beneath any applicable direct cost limit. When a direct cost limit is specified in an FOA, the following table can be used to determine if your application falls within that limit.

Category	Budget Period 1	Budget Period 2	Budget Period 3	Budget Period 4	Budget Period 5	TOTALS
Total Direct Costs less Consortium F&A	1,032,422	1,034,315	1,035,638	1,035,734	1,033,950	5,172,059

Component Budget Summary

Components	Categories	Budget Period 1	Budget Period 2	Budget Period 3	Budget Period 4	Budget Period 5	TOTALS
Admin-Core-001 (001)	Salary, Wages and Fringe Benefits	366,425	347,593	358,021	368,762	379,824	1,820,625
	Equipment	0	0	0	0	0	0
	Travel	15,000	15,000	15,000	15,000	15,000	75,000
	Participant/Trainee Support Costs	0	0	0	0	0	0
	Other Direct Costs (excluding Consortium)	10,000	3,000	2,000	3,250	1,000	19,250
	Consortium Costs	0	0	0	0	0	0
	Direct Costs	391,425	365,593	375,021	387,012	395,824	1,914,875
	Indirect Costs	111,556	104,194	106,881	110,298	112,810	545,739
TOTALS	Total Direct and Indirect Costs	502,981	469,787	481,902	497,310	508,634	2,460,614
Core-001 (002)	Salary, Wages and Fringe Benefits	105,168	90,851	93,577	96,384	99,275	485,255
	Equipment	0	0	0	0	0	0
	Travel	10,000	10,000	10,000	10,000	10,000	50,000
	Participant/Trainee Support Costs	0	0	0	0	0	0
	Other Direct Costs (excluding Consortium)	2,900	0	0	1,000	0	3,900
	Consortium Costs	124,000	106,920	109,100	114,200	114,300	568,520
	Direct Costs	242,068	207,771	212,677	221,584	223,575	1,107,675
	Indirect Costs	40,774	28,743	29,519	30,604	31,143	160,783
TOTALS	Total Direct and Indirect Costs	282,842	236,514	242,196	252,188	254,718	1,268,458

Core-002 (003)	Salary, Wages and Fringe Benefits	243,129	232,951	239,940	247,138	254,551	1,217,709
	Equipment	0	0	0	0	0	0
	Travel	20,000	20,000	20,000	20,000	20,000	100,000
	Participant/Trainee Support Costs	0	0	0	0	0	0
	Other Direct Costs (excluding Consortium)	135,800	208,000	188,000	160,000	140,000	831,800
	Consortium Costs	0	0	0	0	0	0
	Direct Costs	398,929	460,951	447,940	427,138	414,551	2,149,509
	Indirect Costs	113,695	131,371	127,663	121,734	118,147	612,610
TOTALS	Total Direct and Indirect Costs	512,624	592,322	575,603	548,872	532,698	2,762,119
TOTALS		1,298,447	1,298,623	1,299,701	1,298,370	1,296,050	6,491,191

Categories Budget Summary

Categories	Components	Budget Period 1	Budget Period 2	Budget Period 3	Budget Period 4	Budget Period 5	TOTALS
R&R Budget - Senior/Key Person Funds Requested	Admin-Core-001 (001)	28,956	0	0	0	0	28,956
	Core-001 (002)	16,963	0	0	0	0	16,963
	Core-002 (003)	16,963	0	0	0	0	16,963
TOTALS		62,882	0	0	0	0	62,882
R&R Budget - Other Personnel Funds Requested	Admin-Core-001 (001)	337,469	347,593	358,021	368,762	379,824	1,791,669
	Core-001 (002)	88,205	90,851	93,577	96,384	99,275	468,292
	Core-002 (003)	226,166	232,951	239,940	247,138	254,551	1,200,746
TOTALS		651,840	671,395	691,538	712,284	733,650	3,460,707
R&R Budget - Section A & B. Total Salary, Wages and Fringe Benefits (A+B)	Admin-Core-001 (001)	366,425	347,593	358,021	368,762	379,824	1,820,625
	Core-001 (002)	105,168	90,851	93,577	96,384	99,275	485,255
	Core-002 (003)	243,129	232,951	239,940	247,138	254,551	1,217,709
TOTALS		714,722	671,395	691,538	712,284	733,650	3,523,589
R&R Budget - Section C. Total Equipment	Admin-Core-001 (001)	0	0	0	0	0	0
	Core-001 (002)	0	0	0	0	0	0
	Core-002 (003)	0	0	0	0	0	0
TOTALS		0	0	0	0	0	0

R&R Budget - Domestic Travel	Admin-Core-001 (001)	15,000	15,000	15,000	15,000	15,000	75,000
	Core-001 (002)	10,000	10,000	10,000	10,000	10,000	50,000
	Core-002 (003)	20,000	20,000	20,000	20,000	20,000	100,000
TOTALS		45,000	45,000	45,000	45,000	45,000	225,000
R&R Budget - Foreign Travel	Admin-Core-001 (001)	0	0	0	0	0	0
	Core-001 (002)	0	0	0	0	0	0
	Core-002 (003)	0	0	0	0	0	0
TOTALS		0	0	0	0	0	0
R&R Budget - Section D. Total Travel	Admin-Core-001 (001)	15,000	15,000	15,000	15,000	15,000	75,000
	Core-001 (002)	10,000	10,000	10,000	10,000	10,000	50,000
	Core-002 (003)	20,000	20,000	20,000	20,000	20,000	100,000
TOTALS		45,000	45,000	45,000	45,000	45,000	225,000
R&R Budget - Tuition/Fees/Health Insurance	Admin-Core-001 (001)	0	0	0	0	0	0
	Core-001 (002)	0	0	0	0	0	0
	Core-002 (003)	0	0	0	0	0	0
TOTALS		0	0	0	0	0	0
R&R Budget - Stipends	Admin-Core-001 (001)	0	0	0	0	0	0
	Core-001 (002)	0	0	0	0	0	0
	Core-002 (003)	0	0	0	0	0	0
TOTALS		0	0	0	0	0	0

R&R Budget - Trainee Travel	Admin-Core-001 (001)	0	0	0	0	0	0
	Core-001 (002)	0	0	0	0	0	0
	Core-002 (003)	0	0	0	0	0	0
TOTALS		0	0	0	0	0	0
R&R Budget - Subsistence	Admin-Core-001 (001)	0	0	0	0	0	0
	Core-001 (002)	0	0	0	0	0	0
	Core-002 (003)	0	0	0	0	0	0
TOTALS		0	0	0	0	0	0
R&R Budget - Other Participants/Trainee Support Costs	Admin-Core-001 (001)	0	0	0	0	0	0
	Core-001 (002)	0	0	0	0	0	0
	Core-002 (003)	0	0	0	0	0	0
TOTALS		0	0	0	0	0	0
R&R Budget - Section E. Total Participants/Trainee Support Costs	Admin-Core-001 (001)	0	0	0	0	0	0
	Core-001 (002)	0	0	0	0	0	0
	Core-002 (003)	0	0	0	0	0	0
TOTALS		0	0	0	0	0	0
R&R Budget - Materials and Supplies	Admin-Core-001 (001)	8,000	2,000	1,000	3,000	1,000	15,000
	Core-001 (002)	2,900	0	0	1,000	0	3,900
	Core-002 (003)	5,800	0	0	5,000	0	10,800
TOTALS		16,700	2,000	1,000	9,000	1,000	29,700

R&R Budget - Publication Costs	Admin-Core-001 (001)	2,000	1,000	1,000	250	0	4,250
	Core-001 (002)	0	0	0	0	0	0
	Core-002 (003)	0	0	0	0	0	0
TOTALS		2,000	1,000	1,000	250	0	4,250
R&R Budget - Consultant Services	Admin-Core-001 (001)	0	0	0	0	0	0
	Core-001 (002)	0	0	0	0	0	0
	Core-002 (003)	0	0	0	0	0	0
TOTALS		0	0	0	0	0	0
R&R Budget - ADP/Computer Services	Admin-Core-001 (001)	0	0	0	0	0	0
	Core-001 (002)	0	0	0	0	0	0
	Core-002 (003)	0	0	0	0	0	0
TOTALS		0	0	0	0	0	0
R&R Budget - Subawards/Consortium/Contractual Costs	Admin-Core-001 (001)	0	0	0	0	0	0
	Core-001 (002)	124,000	106,920	109,100	114,200	114,300	568,520
	Core-002 (003)	0	0	0	0	0	0
TOTALS		124,000	106,920	109,100	114,200	114,300	568,520
R&R Budget - Equipment or Facility Rental User Fees	Admin-Core-001 (001)	0	0	0	0	0	0
	Core-001 (002)	0	0	0	0	0	0
	Core-002 (003)	0	0	0	0	0	0
TOTALS		0	0	0	0	0	0

R&R Budget - Alterations and Renovations	Admin-Core-001 (001)	0	0	0	0	0	0
	Core-001 (002)	0	0	0	0	0	0
	Core-002 (003)	0	0	0	0	0	0
TOTALS		0	0	0	0	0	0
R&R Budget - Other Direct Cost 1	Admin-Core-001 (001)	0	0	0	0	0	0
	Core-001 (002)	0	0	0	0	0	0
	Core-002 (003)	10,000	15,000	15,000	15,000	15,000	70,000
TOTALS		10,000	15,000	15,000	15,000	15,000	70,000
R&R Budget - Other Direct Cost 2	Admin-Core-001 (001)	0	0	0	0	0	0
	Core-001 (002)	0	0	0	0	0	0
	Core-002 (003)	120,000	193,000	173,000	140,000	125,000	751,000
TOTALS		120,000	193,000	173,000	140,000	125,000	751,000
R&R Budget - Other Direct Cost 3	Admin-Core-001 (001)	0	0	0	0	0	0
	Core-001 (002)	0	0	0	0	0	0
	Core-002 (003)	0	0	0	0	0	0
TOTALS		0	0	0	0	0	0
R&R Budget - Section F. Total Other Direct Cost	Admin-Core-001 (001)	10,000	3,000	2,000	3,250	1,000	19,250
	Core-001 (002)	126,900	106,920	109,100	115,200	114,300	572,420
	Core-002 (003)	135,800	208,000	188,000	160,000	140,000	831,800
TOTALS		272,700	317,920	299,100	278,450	255,300	1,423,470

R&R Budget - Section G. Total Direct Cost (A thru F)	Admin-Core-001 (001)	391,425	365,593	375,021	387,012	395,824	1,914,875
	Core-001 (002)	242,068	207,771	212,677	221,584	223,575	1,107,675
	Core-002 (003)	398,929	460,951	447,940	427,138	414,551	2,149,509
TOTALS		1,032,422	1,034,315	1,035,638	1,035,734	1,033,950	5,172,059
R&R Budget - Section H. Indirect Costs	Admin-Core-001 (001)	111,556	104,194	106,881	110,298	112,810	545,739
	Core-001 (002)	40,774	28,743	29,519	30,604	31,143	160,783
	Core-002 (003)	113,695	131,371	127,663	121,734	118,147	612,610
TOTALS		266,025	264,308	264,063	262,636	262,100	1,319,132
R&R Budget - Section I. Total Direct and Indirect Costs (G +H)	Admin-Core-001 (001)	502,981	469,787	481,902	497,310	508,634	2,460,614
	Core-001 (002)	282,842	236,514	242,196	252,188	254,718	1,268,458
	Core-002 (003)	512,624	592,322	575,603	548,872	532,698	2,762,119
TOTALS		1,298,447	1,298,623	1,299,701	1,298,370	1,296,050	6,491,191

**Senior/Key Personnel
Summary**

Name	Organization	Role on Project	Components
Walton, Linda J	University of Iowa	PD/PI(Contact)	Overall
Blumenthal, Jane	University of Michigan	Other: Director	Core-001 (002)
Walton, Linda J	University of Iowa	Other: Core Lead	Admin-Core-001 (001)
Walton, Linda J	University of Iowa	Other: Core Lead	Core-001 (002)
Walton, Linda J	University of Iowa	Other: Core Lead	Core-002 (003)

BIOGRAPHICAL SKETCH

Provide the following information for the Senior/key personnel and other significant contributors.
Follow this format for each person. **DO NOT EXCEED FIVE PAGES.**

NAME: Linda Walton

eRA COMMONS USER NAME (credential, e.g., agency login): WaltonL

POSITION TITLE: Associate University Librarian

EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable. Add/delete rows as necessary.)*

INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	Completion Date MM/YYYY	FIELD OF STUDY
Indiana University, Bloomington, IN Indiana University, Bloomington, IN	BA MLS	05/1979 01/1981	Comparative Literature Library Science

A. Personal Statement

The purpose of this project is provide a Regional Medical Library for the National Library of Medicine (NLM) National Network of Libraries of Medicine (NN/LM) Greater Midwest Region (GMR). I have the expertise, leadership, and collaborative skills to carry out the proposed work. I have served as Associate Director for two NN/LM regions: The New England Region and the Greater Midwest Region. While in these positions, I implemented a new Region for New England, wrote a variety of subcontracts, budgets and justifications as well as writing two contract proposals to serve as a Regional Medical Library. I supervised staff, represented the Region on a national level, developed and implemented new services and programs, and collaborated with colleagues on new projects. As director of the Hardin Library for the Health Sciences, University of Iowa, I have instituted a State-wide outreach program to provide health information to consumers and unaffiliated health professionals throughout Iowa. I have hired a full-time outreach librarian who has developed training classes for both consumers and health professionals. Together we have implemented two outreach subcontracts from the National Network of Libraries of Medicine Greater Midwest Region. One subcontract provides a workstation, website and training at four community clinics strategically located in Iowa communities with minority populations including Waterloo, Davenport, Des Moines and Sioux City. This project led to further networking with public libraries in the communities requesting MedlinePlus and PubMed training. Additionally, the Partnering for Patient Empowerment through Community Awareness subcontract provided the opportunity to develop relationships between small hospitals and public libraries in various communities as well as expand our network of libraries providing patient safety programming. I am committed to consumer and unaffiliated health outreach for Iowa and all of the Greater Midwest Region, and I look forward to the opportunity to work with other NN/LM offices, Resource Libraries and network members in the region to provide access to health information for health professionals and consumers.

B. Positions and Honors

Positions and Employment

- 1985-91 Director of Library, Butler Hospital, Providence, RI
- 1991-94 Associate Director, National Network of Libraries of Medicine New England Region.
University of Connecticut Health Center, Farmington, CT
- 1994-96 Associate Director, National Network of Libraries of Medicine Greater Midwest Region.
University of Illinois at Chicago, Chicago, IL
- 1996-97 Project Coordinator, Robert Wood Johnson Foundation Partnerships for Training Initiative,
Wisconsin Area Health Education Center (AHEC), School of Medicine, University of
Wisconsin-Madison, Madison, WI
- 1997-06 Associate Director, Galter Health Sciences Library, Northwestern University,
Chicago, IL.
- 2004-06 Adjunct Faculty. Dominican University, School of Library and Information Science, River
Forest, IL. Health Sciences Librarianship, LIS780
- 2006- Associate University Librarian and Director, Hardin Library for the Health Sciences,
University of Iowa Libraries, University of Iowa, Iowa City, IA

Other Experience and Professional Memberships

- 2008-12 NIH Literature Selection Technical Review Committee
- 2010 NIH Technical Evaluation Team for National Network of Libraries of Medicine Contracts,
National Library of Medicine
- 2010-11 NN/LM GMR Print Retention Working Group, Developed NLM MedPrint.
- 2008-10 NN/LM GMR Emergency Preparedness Working Group
- 2012-14 NN/LM GMR Regional Advisory Council

- 1985- Medical Library Association (MLA), Member

Elected Positions

President-Elect, 2013-15; President 2014-15; Immediate Past-President 2015-16
MLA Board, 2006-09; 2014-16; Treasurer 2007-09;
Section Council, 2005-06
Nominating Committee, 2005

Honors

- 2002-03 Leadership Fellowship, National Library of Medicine and Association of Academic Health
Science Libraries
- 2006 Estelle Brodman Award for the Academic Health Sciences Librarian of the Year, Medical
Library Association
- 2009-10 New Director's Symposium, Association of Academic Health Sciences Libraries
- 2011 NLM BioMedical Informatics MBL/NLM Course Fellow
- 2014-19 MLA Academy of Health Information Professionals, Distinguished Member

C. Contribution to Science

Outreach to health professionals and consumers

Most of my research has focused on outreach to health professionals and consumers, particularly those populations living in underserved rural and urban communities. Research found that health professionals were interested in easily obtaining the information, but time was always a factor that slowed down the process. Information at point of need and technology, specifically the Internet and World Wide Web has greatly improved health professionals access to information. Consumers are challenged by too much information on the Internet and determining what is quality information. My focus with consumers has been educating consumers on their role within patient safety.

Walton LJ, Zipperer L, Egeland M, Brooks MK, Childs C. "Empowering Patient Safety Outreach through Interprofessional Partnerships: Educating our Communities." *J Hosp Libr*. 2010 Jul-Sept; 10(3): 224-34. <http://tinyurl.com/2bxrf28>

[Walton LJ, Hasson S, Ross FV, Martin ER](#). Outreach to public health professionals: lessons learned from a collaborative Iowa public health project. *Bull Med Libr Assoc* 2000 Apr; 88(2):165-71. <http://tinyurl.com/3298cko>

[Stey JA, Walton LJ](#). Producing training videos for end-user training. *Med Ref Serv Q* 1996 spring; 15(1):89-95. <http://tinyurl.com/32rjrck>

Stey JA. *DOCLINE for Document Delivery*. Video teaching electronic interlibrary lending through NLM program. Scripted by John A. Stey. Coordinated by Linda Walton. Produced by the University of Connecticut Health Center Video Communications Department, 1994.

Collection Development

Collection Development in the health sciences has seen dramatic change in the past 15 years as electronic resources became the dominant way users want to access the information. My research focused on how health sciences librarians identify the best resources in an online environment. Electronic journals have become somewhat standardized in terms of access quality, archiving and pricing. Electronic books are still very unstable and much work needs to be done to standardize these resources.

Shedlock J, Walton LJ. Developing a virtual community for health sciences library book selection: Doody's Core Titles. *J Med Libr Assoc* 2006 Jan, 94(1): 61-6. <http://tinyurl.com/3ybxztq>

[Kubilius RK, Walton LJ](#). Seize the E-Journal: Models for archiving symposium: report. *J Med Libr Assoc* 2005 Jan; 93(1):126-9. <http://tinyurl.com/2ukl4an>

[Walton LJ](#). Collection development post-Bandon/Hill: what to do? *Natl Netw* 2004 Jul; 29(1):18. <http://tinyurl.com/35vmc32>

Walton, LJ, Modschiedler C, Rodgers PM, Schorre BJ, Schneider J, Rieke JL, Barton H, eds. *Collection Development and Management for Electronic, Audiovisual, and Print Resources in Health Sciences Libraries*. MLA DocKit #3, 2nd rev. ed., Chicago: Medical Library Association, 2004.

Technology

Technology created a paradigm shift in how patrons access library resources. With so much information available online, my research focused on how technology could be harnessed to take the user directly to the information needed. In some cases, simply changing terminology was enough to

improve access. In other cases, we explored relevancy as a way of organizing the information for a discipline. While this research was positive, we quickly learned that with technology changing so quickly, it was a challenge to keep up with new concepts so be as flexible as possible.

Shedlock J, Frisque M, Hunt S, Walton LJ, Handler J, Gillam M. Case Study: The Health SmartLibrary experiences in web personalization and customization at the Galter Health Sciences Library, Northwestern University. *J Med Libr Assoc.* 2010 Apr; 98(2): 98-104.

<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2859266/>

Walton LJ, Kerns S, Munson K, O'Dwyer L, Powell C, Shedlock J. The Impact of the Web on Reference. *Hypothesis.* 2002 summer; 16(2):8-9. (2002 Research Award Honorable Mention)

[Ohles JA, Walton LJ.](#) The Internet: a valuable resource for the hospital librarian. *Bull Med Libr Assoc.* 1996 Jan; 84(1):110-1. <http://tinyurl.com/36obtod>

Walton LJ, Jacob L. Internet Dial-Access Evaluation Project. *Proceedings of the 3rd Annual Rural Datafication Conference.* Indianapolis: The Association, 1995.

<http://www.ncbi.nlm.nih.gov/sites/myncbi/linda.walton.1/bibliography/48315970/public/?sort=date&direction=ascending>

D. Research Support

Completed Research

Women's Health Research for OB/GYN Resident Physicians, National Library of Medicine, \$100,000, Principal Investigator, 2013-14. Developed an online women's health curriculum loaded onto i-Pads for OB/GYN Residents and provided instruction on major health information resources and citation management software to support residency research and publication.

Data Management Needs for the University of Iowa. National Network of Libraries of Medicine Greater Midwest Region. Targeted Outreach Subcontract, \$14,000, Principal investigator, 2012. Surveyed faculty to determine priorities for data management needs.

BIOGRAPHICAL SKETCH

Provide the following information for the Senior/key personnel and other significant contributors.
Follow this format for each person. DO NOT EXCEED FIVE PAGES.

NAME: Jane Blumenthal

eRA COMMONS USER NAME (credential, e.g., agency login):

POSITION TITLE: Associate University Librarian and Director, Taubman Health Sciences Library

EDUCATION/TRAINING (*Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable. Add/delete rows as necessary.*)

INSTITUTION AND LOCATION	DEGREE (if applicable)	Completion Date MM/YYYY	FIELD OF STUDY
College of William and Mary, Williamsburg, VA	BA	05/76	Religion
Catholic University of American, Washington, DC	MSLS	01/80	Library Science
Frye Leadership Institute, Atlanta, GA		06/02	Integrating Libraries and Information Technology
Professional Manager's Certificate, Georgetown University, Washington, DC		05/03	General management and supervisory knowledge and skills

NOTE: The Biographical Sketch may not exceed five pages. Follow the formats and instructions below.

A. Personal Statement

I look forward to the opportunity to contribute to the National Network of Libraries of Medicine, the Greater Midwest Region librarians, and the library profession through a new and exciting project, the Data Management Education Center. I am well qualified to participate in and contribute to this project. As a library director for more than 19 years, I have significant management experience and have participated in a variety of funded projects. My experience overseeing and managing the development of a Pilot Systematic Review Course for Health Sciences Librarians via a subcontract from University of Illinois at Chicago is particularly relevant to the development of training in data management for librarians. At the University of Michigan where I am associate university librarian and director of the Taubman Health Sciences Library (THL), the library plays a key and expanding role in data management for the campus. I served as team leader for the University of Michigan Library team attending the DuraSpace/Digital Libraries Federation E-Science Institute. I also worked with colleagues across the library to define the scope of the library's role and build cases for support of developing and implementing new services in data management. I have led and nurtured THL's collaborative relationship with the university's Office of Research and Sponsored Programs. Part of the partnership was developing training for faculty and other researchers on complying with the NIH open access mandate, on taking advantage of SciENcv's capabilities, and other related topics.

1. Allee NJ, Blumenthal J, Jordan K, Lalla N, Lauseng D, Rana G, Saylor K, Song J. One Institution's Experience in Transforming the Health Sciences Library of the Future. *Medical Reference Services Quarterly* 2014;33(1):1-16. DOI: 10.1080/02763869.2014.866444
2. Blumenthal J. Creating the Future. *Journal of the Medical Library Association* 2014 Jan;102(1):2-4. DOI: 10.3163/1536-5050.102.1.002

3. Anderson PF, Blumenthal J, Bruell D, Rosenzweig M, Conte M, Song J (2009). An online and social media training curricula to facilitate bench-to-bedside information transfer. In: *Positioning the Profession: the Tenth International Congress on Medical Librarianship, Brisbane Australia, (1-11). August 31-September 4, 2009.*

B. Positions and Honors

List in chronological order previous positions, concluding with the present position. List any honors. Include present membership on any Federal Government public advisory committee.

Positions and Employment

1980 Cataloger, Scientific Library, NCI-Frederick Cancer Research Facility, Frederick, MD
1981 – 1982 Technical Services Librarian, Scientific Library, NCI-Frederick Cancer Research Facility
1983 – 1985 Assistant Manager, Scientific Library, NCI-Frederick Cancer Research Facility
1985 – 1990 Librarian, Washington DC Office, American Medical Association
1990 – 1995 Assistant Director, Dahlgren Memorial Library, Georgetown University, Washington, DC
1995 – 1996 Associate Director, Dahlgren Memorial Library, Georgetown University
1996 – 1997 Interim Director, Dahlgren Memorial Library, Georgetown University
1997 – 2006 Director, Dahlgren Memorial Library, Georgetown University
2000 – 2006 Assistant Dean for Knowledge Management, Georgetown University School of Medicine
2006 – Director, Taubman Health Sciences Library, University of Michigan, Ann Arbor, MI
2012 – Associate University Librarian, University of Michigan Library

Honors

1998 – 2016 Distinguished Member, Academy of Health Information Professionals
2015 Best paper in the Journal of the European Association of Health Information and Libraries

Other Experience and Professional Memberships

1992 – Member, Medical Library Association
1994 – 1996 Senior Associate Editor, *Bulletin of the Medical Library Association*
1996 – 1999 Editorial Board, *Bulletin of the Medical Library Association*
1996 – Member, Association of Academic Health Sciences Libraries
2001 – 2006 Southeastern/Atlantic Regional Advisory Council, National Network of Libraries of Medicine
2002 – 2005 Board of Directors, Association of Academic Health Sciences Libraries
2002 – 2008 Advisory Board, NCI-FCRF Scientific Library
2003 – 2006 Expert Panel, National Center for Education in Maternal and Child Health Library
2004 – 2005 Special Emphasis Panel for the Review of IADL G07 and Information Systems G08 Grant Applications, National Library of Medicine
2005 – 2006 Mentor, NLM/AAHSL Leadership Fellows Program, Association of Academic Health Sciences Libraries
2006 – 2008 Chair, 2008 National Program Committee, Medical Library Association
2006 – 2011 Policy Committee, American Diabetes Association
2007 – 2011 AAHSL-MLA Joint Legislative Task Force, Association of Academic Health Sciences Libraries
2008 – 2011 Board of Directors, Medical Library Association
2009 – 2011 Treasurer, Medical Library Association
2010 – 2011 Chair, Publication Policy Committee, American Diabetes Association
2010 – 2011 Chair, AAHSL-MLA Joint Legislative Task Force, Association of Academic Health Sciences Libraries
2011 – 2012 President-elect, Medical Library Association
2011 – 2016 Greater Midwest Region Regional Advisory Council, National Network of Libraries of Medicine
2012 – 2013 President, Medical Library Association
2013 – 2014 Past President, Medical Library Association
2014 – 2015 Mentor, NLM/AAHSL Leadership Fellows Program, Association of Academic Health Sciences Libraries

C. Contribution to Science

Briefly describe up to five of your most significant contributions to science. For each contribution, indicate the historical background that frames the scientific problem; the central finding(s); the influence of the finding(s) on the progress of science or the application of those finding(s) to health or technology; and your specific role in the described work. For each of these contributions, reference up to four peer-reviewed publications or other non-publication research products (can include audio or video products; patents; data and research materials; databases; educational aids or curricula; instruments or equipment; models; protocols; and software or netware) that are relevant to the described contribution. The description of each contribution should be no longer than one half page including figures and citations. Also provide a URL to a full list of your published work as found in a publicly available digital database such as SciENcv or My Bibliography, which are maintained by the US National Library of Medicine.

My area of interest and activity within the discipline of library and information science is health sciences libraries evolving into agile organizations that are active participants in the education, research, and patient care activities of their parent organization. The learning health sciences library must continuously live up to its name and demonstrate that it assesses its activities, identifies areas for improvement, implements change, evaluates its success, and shares its new-found knowledge with colleagues inside and outside its institution.

D. Research Support

List both selected ongoing and completed research projects for the past three years (Federal or non-Federally-supported). *Begin with the projects that are most relevant to the research proposed in the application.* Briefly indicate the overall goals of the projects and responsibilities of the key person identified on the Biographical Sketch. Do not include number of person months or direct costs.

- Pilot Systematic Review Course for Health Sciences Librarians, Subcontract from University of Illinois at Chicago, as part of HHS-N-276-2011-00005-C from the National Institutes of Health, National Library of Medicine, 02/01/2013 - 08/31/2013. The goal of this project was to create and teach a course on participating in systematic reviews for health sciences librarians.
ROLE: Principal Investigator.
- Michigan Institute for Clinical and Health Research (MICHR). National Institutes of Health. 2007-2013. MICHR was funded by a Clinical and Translational Science Award. Its purpose was to encourage and support translational medicine projects.
ROLE: Participating Investigator, Biomedical Informatics Core
- Outreach Library, Subcontract from University of Illinois at Chicago, as part of HHS-N-276-2011-00005-C from the National Institutes of Health, National Library of Medicine, 2011 – 2016. The goal of this project is to teach consumers and health professionals not allied with an institution having a health sciences library to find and use appropriate, high-quality health information.
ROLE: Director.

Project/Performance Site Location(s)

Project/Performance Site Primary Location

I am submitting an application as an individual, and not on behalf of a company, state, local or tribal government, academia, or other type of organization.

Organization Name: University of Iowa
 Duns Number: 062761671
 Street1*: 600 Newton Road
 Street2: Hardin Library for the Health Sciences
 City*: Iowa City
 County: Johnson
 State*: IA: Iowa
 Province:
 Country*: USA: UNITED STATES
 Zip / Postal Code*: 522421320
 Project/Performance Site Congressional District*: IA-002

File Name

Additional Location(s)

RESEARCH & RELATED Other Project Information

1. Are Human Subjects Involved?* <input type="radio"/> Yes <input checked="" type="radio"/> No	
1.a. If YES to Human Subjects Is the Project Exempt from Federal regulations? <input type="radio"/> Yes <input type="radio"/> No If YES, check appropriate exemption number: — 1 — 2 — 3 — 4 — 5 — 6 If NO, is the IRB review Pending? <input type="radio"/> Yes <input type="radio"/> No IRB Approval Date: Human Subject Assurance Number	
2. Are Vertebrate Animals Used?* <input type="radio"/> Yes <input checked="" type="radio"/> No	
2.a. If YES to Vertebrate Animals Is the IACUC review Pending? <input type="radio"/> Yes <input type="radio"/> No IACUC Approval Date: Animal Welfare Assurance Number	
3. Is proprietary/privileged information included in the application?* <input type="radio"/> Yes <input checked="" type="radio"/> No	
4.a. Does this project have an actual or potential impact - positive or negative - on the environment?* <input type="radio"/> Yes <input checked="" type="radio"/> No	
4.b. If yes, please explain: 4.c. If this project has an actual or potential impact on the environment, has an exemption been authorized or an environmental assessment (EA) or environmental impact statement (EIS) been performed? <input type="radio"/> Yes <input type="radio"/> No 4.d. If yes, please explain:	
5. Is the research performance site designated, or eligible to be designated, as a historic place?* <input type="radio"/> Yes <input checked="" type="radio"/> No	
5.a. If yes, please explain:	
6. Does this project involve activities outside the United States or partnership with international collaborators?* <input type="radio"/> Yes <input checked="" type="radio"/> No	
6.a. If yes, identify countries: 6.b. Optional Explanation:	
7. Project Summary/Abstract*	Filename Abstract1021031394.pdf
8. Project Narrative*	publichealth_statement1021031557.pdf
9. Bibliography & References Cited	References1021031446.pdf
10. Facilities & Other Resources	Resources1021031395.pdf
11. Equipment	

This proposal describes how the Hardin Library for the Health Sciences (HLHS), University of Iowa will assist the National Network of Libraries of Medicine (NN/LM), a program of the National Library of Medicine (NLM) with its mission of advancing the progress of medicine and improving the health of the public by: 1) providing all U.S. health professionals with equal access to biomedical information and, 2) improving the public's access to information to enable them to make informed decisions about their health. Located within the Greater Midwest Region (GMR), the Hardin Library proposes to serve as the Regional Medical Library for one of the largest and most diverse regions in the Network using leadership, partnerships and innovations as the backbone of the network. The RML will actively involve network members in supporting the mission through training and awards. The GMR includes ten states: Iowa, Illinois, Indiana, Kentucky, Michigan, Minnesota, North Dakota, Ohio, South Dakota, and Wisconsin. All states in the Greater Midwest Region have pockets large and small of poverty and medically underserved areas in both urban and rural communities. With tools from the U.S. Census Bureau and the Health Resources and Services Administration (HRSA) we can now drill down to counties within states to help us to identify those areas that are economically and medically underserved and to target these communities in our outreach in order to improve their access to health and medical information. We are requesting \$6.5 million over a 5-year period for this proposal.

Promoting and training health professionals and consumers on quality health resources and tools will enhance the public health by ensuring that all individuals have equal access to information. The focus of the proposal is on medically underserved communities and individuals and the health professionals that work in these communities or with the individuals.

Resources

The Hardin Library for the Health Sciences serves the combined information and research needs of the University of Iowa Colleges of Dentistry, Medicine, Nursing, Pharmacy, Public Health, the University of Iowa Hospitals & Clinics (including related allied-health education programs), and the Department of Communication Sciences and Disorders. The mission of the Hardin Library is to disseminate health sciences information to the students, faculty and staff of the University of Iowa and the public in support of education, research, and health care, and to preserve the scholarly record for the future.

The Hardin Library serves as a Resource and Outreach Library for the National Network of Libraries of Medicine. We provide outreach to unaffiliated health professionals, librarians and the public through training and resource support. We are active members of DOCLINE, Loansome Doc and MedlinePlus (listed as a consumer health library), consultations, online subject guides for targeted hospitals and clinics as well as other organizations that focus on healthcare. Hardin has received a variety of outreach subcontracts and grants from the National Library of Medicine and the National Network of Libraries of Medicine. The Library has a full-time Outreach Librarian who contacts unaffiliated users through exhibits, conferences, and referrals.

The Hardin Library employs 12 librarians, 11 library assistants and support personnel, and approximately 13 FTE student workers. Staff members provide a wide array of services and functions including electronic and traditional reference, instruction, circulation, electronic/traditional reserve, bookstacks maintenance, interlibrary loan/document delivery, and collection development.

The Hardin Library's print collection contains more than 370,000 book and journal volumes. The Library's collection includes more than 5000 health sciences journals, most in electronic format; over 200 health sciences databases, including PubMed, CINAHL, the Cochrane Database of Systematic Reviews, MDConsult, DynaMed, Stat!Ref, and UpToDate; and a growing collection of electronic books. Members of the health sciences campus also have access to all of the resources of the University of Iowa Main Library and branches. The majority of the UI Libraries' electronic resources are available remotely to UI students, faculty, and staff. Print materials delivered to on-campus offices, although not to dormitories, through the University Libraries Delivery Service, and articles from print journals can be scanned and delivered electronically through the Document Delivery Service. Materials not available in the UI Libraries may be requested through Interlibrary Loan.

In addition to housing collections, the library has a large amount of space for research and study, with over 500 seats in a variety of formats, including four group studies and 16 individual studies. Computers are located on every floor of the library and the campus wireless network is available throughout the building. A 24-hour study, available when Hardin Library is closed, can be accessed by UI affiliates with their campus ID cards. Two computer classrooms, each with 25 computers and about 50 seats, are located in the Information Commons, on the second floor of the library. These classrooms can be reserved for use by faculty. The Information Commons also houses the Simulation Center, a cross-disciplinary facility that includes a number of physical examination and procedural skill models.

A variety of education programs are provided by Hardin Library staff to both students and faculty, with library staff members playing an increased role in providing information skills within

the formal curricula of the health colleges through the library liaisons program. Hardin Open Workshops, free hands-on sessions open to all library users, are offered regularly, providing instruction on various databases, reference management software, and other topics. Additionally, research consultations are available to all library users on an appointment basis.

The University of Iowa Libraries is a member of several consortia including the National Network of Libraries of Medicine, the Iowa Council of Health Sciences Libraries, and the Resource Sharing Network for the CIC Institutions (the Big Ten and the University of Chicago). Through these relationships, faculty and students at the University of Iowa have superb access to materials held at other institutions. Such networks also allow the Hardin Library to extend its services to other libraries throughout Iowa and the rest of the country.

The University of Iowa Libraries: The [University of Iowa Libraries](#) system consists of the Main Library, the Hardin Library for the Health Sciences, and the Business, Engineering, Sciences, Art, and the Music Libraries. The Libraries has more than 5 million volumes including thousands of electronic resources and coordinates the development and maintenance of the University's locally-created open access digital resources including the Iowa Digital Library, featuring close to a million digitized texts, images, and audio and video recordings, as well as Iowa Research Online, our institutional repository.

Library systems are built on a mix of open source, locally developed, hosted services, and vended applications primarily from Ex Libris, OCLC, and Microsoft. The University of Iowa is a member of the Committee on Institutional Cooperation (CIC), AAHSL, ARL, OCLC, CRL, SPARC, CNI, CLIR, LOCKSS, CLOCKSS, and Portico. The Libraries provides a program of support for professional development activities and its staff members are actively engaged in national cooperative efforts.

Several departments within the University Libraries will support the Regional Medical Library and its programs that will enhance the network, including preservation (emergency preparedness) and the Digital Scholarship & Publishing Studio.

RESEARCH & RELATED Senior/Key Person Profile (Expanded)

PROFILE - Project Director/Principal Investigator				
Prefix:	First Name*: Linda	Middle Name J	Last Name*: Walton	Suffix:
Position/Title*:	Associate University Librarian			
Organization Name*:	University of Iowa			
Department:	University Libraries			
Division:	Library Administration			
Street1*:	100 Main Library			
Street2:	Admin. HLHS			
City*:	Iowa City			
County:	Johnson			
State*:	IA: Iowa			
Province:				
Country*:	USA: UNITED STATES			
Zip / Postal Code*:	52242-1320			
Phone Number*:	319-335-9871	Fax Number:	319-335-5900	E-Mail*: linda-walton@uiowa.edu
Credential, e.g., agency login: WALTONL				
Project Role*: PD/PI		Other Project Role Category:		
Degree Type: BA, MLS		Degree Year: 1981		
Attach Biographical Sketch*:		File Name		
Attach Current & Pending Support:		Biosketch_Walton1021031536.pdf		

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OMB Number: 0925-0001

1. Project Director / Principal Investigator (PD/PI)

Prefix:

First Name*: Linda
Middle Name: J
Last Name*: Walton
Suffix:

2. Human Subjects

Clinical Trial? No Yes
Agency-Defined Phase III Clinical Trial?* No Yes

3. Permission Statement*

If this application does not result in an award, is the Government permitted to disclose the title of your proposed project, and the name, address, telephone number and e-mail address of the official signing for the applicant organization, to organizations that may be interested in contacting you for further information (e.g., possible collaborations, investment)?

Yes No

4. Program Income*

Is program income anticipated during the periods for which the grant support is requested? Yes No

If you checked "yes" above (indicating that program income is anticipated), then use the format below to reflect the amount and source(s). Otherwise, leave this section blank.

Budget Period*	Anticipated Amount (\$)*	Source(s)*
.....
.....
.....
.....
.....

PHS 398 Cover Page Supplement

5. Human Embryonic Stem Cells

Does the proposed project involve human embryonic stem cells?* No Yes

If the proposed project involves human embryonic stem cells, list below the registration number of the specific cell line(s) from the following list: http://grants.nih.gov/stem_cells/registry/current.htm. Or, if a specific stem cell line cannot be referenced at this time, please check the box indicating that one from the registry will be used:

Cell Line(s): Specific stem cell line cannot be referenced at this time. One from the registry will be used.

6. Inventions and Patents (For renewal applications only)

Inventions and Patents*: Yes No

If the answer is "Yes" then please answer the following:

Previously Reported*: Yes No

7. Change of Investigator / Change of Institution Questions

Change of principal investigator / program director

Name of former principal investigator / program director:

Prefix:

First Name*:

Middle Name:

Last Name*:

Suffix:

Change of Grantee Institution

Name of former institution*:

PHS 398 Research Plan

Please attach applicable sections of the research plan, below.

OMB Number: 0925-0001

1. Introduction to Application (for RESUBMISSION or REVISION only)	
2. Specific Aims	AIMS1021031522.pdf
3. Research Strategy*	Overall1021031523.pdf
4. Progress Report Publication List	
Human Subjects Sections	
5. Protection of Human Subjects	
6. Inclusion of Women and Minorities	
7. Inclusion of Children	
Other Research Plan Sections	
8. Vertebrate Animals	
9. Select Agent Research	
10. Multiple PD/PI Leadership Plan	
11. Consortium/Contractual Arrangements	
12. Letters of Support	Letters_of_Support1021031567.pdf
13. Resource Sharing Plan(s)	
Appendix (if applicable)	
14. Appendix	

AIMS

AIM 1: The Hardin Library for the Health Sciences at the University of Iowa will establish a regional office for the National Network of Libraries of Medicine staffed with quality health information professionals and governed by stakeholders. Partnerships with regional network members will be established to support the mission of the NN/LM including access to quality health information for health professionals, librarians and consumers during the five years of the grant.

AIM 2: The GMR will continually strive to improve communications within the NN/LM and NLM, and with network members and the community through a variety of communication modes, with the intent to enhance knowledge and understanding of the network's programs and services and to ensure transparency with our peers, network members, and the community during the five years of the grant.

AIM 3: The GMR staff will expand and manage the GMR network to enhance services to health care professionals, librarians, and community organizations throughout the five years of the award so that the NN/LM mission continues to be met through a distributed network.

AIM 4: The GMR staff will strengthen the Network National Emergency Preparedness and Response Plan within the Region in order to limit interruption in access to information throughout the Region and nationally during disasters and other emergencies during the five years of the grant.

AIM 5: The GMR staff will increase the number of network members actively and effectively participating in NLM programs and services within the GMR, ensuring that a variety of users have equal access to quality biomedical and health information over the five years of the grant.

AIM 6: The GMR staff will provide a Data Management Education Center (DMEC) for network members to increase the number of network librarians skilled in supporting health researchers with data management throughout the data life cycle during the five years of the award.

AIM 7: The GMR staff will develop and implement outreach and education programs that reach health professionals in the Region with a focus on underserved health communities and health professionals that work in these medically challenging communities so that easy access to NLM resources can be obtained regardless of location or economic status, throughout the five years of the award.

AIM 8: The GMR staff will ensure that all GMR network members have the opportunity to keep current on health sciences information topics and resources such as PubMed so that health professionals receive quality support from GMR Network libraries throughout the five years of the grant.

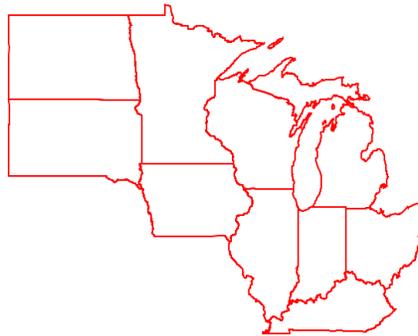
AIM 9: The GMR staff will increase the number of public health professionals who have new skills in accessing and searching quality health information through online educational opportunities throughout the five years of the grant so that they can easily and effectively access quality information at time of need.

AIM 10: The GMR staff will improve GMR consumer's understanding of quality health information resources available on the Internet so that they make better informed health care decisions throughout the five years of the award.

Overall

The goal of this proposal is to describe how the Hardin Library for the Health Sciences (HLHS), University of Iowa will assist the National Network of Libraries of Medicine (NN/LM), a program of the National Library of Medicine (NLM) with its mission of advancing the progress of medicine and improving the health of the public by: 1) providing all U.S. health professionals with equal access to biomedical information and, 2) improving the public's access to information to enable them to make informed decisions about their health.

Located within the Greater Midwest Region (GMR), the Hardin Library proposes to serve as the Regional Medical Library for one of the largest and most diverse regions in the Network. The GMR includes ten states: Iowa, Illinois, Indiana, Kentucky, Michigan, Minnesota, North Dakota, Ohio, South Dakota, and Wisconsin. All states in the Greater Midwest Region have pockets large and small of poverty and medically underserved areas in both urban and rural communities. With tools from the U.S. Census Bureau and the Health Resources and Services Administration (HRSA) we can now drill down to counties within states to help us to identify those areas that are economically and medically underserved and to target these communities in our outreach in order to improve their access to health and medical information.



Leadership, partnerships and innovations are the backbone of the network. For a network to succeed, the leadership includes not only the management and staff of the network office, but must also include the stakeholders.

Linda Walton, director of the Hardin Library, will provide the leadership for the region. With her previous experience as associate director for two regions, as well as her extensive participation with NLM and the Medical Library Association (MLA), she is positioned to understand the role of the RML as a hub for the network. In her capacity as Director, she will hire a qualified, diverse staff to further develop the GMR. Staff will include an associate director to manage the operations of the GMR and give direction to the staff. Janna Lawrence will hold this position as interim until a permanent associate director is hired.

Four experienced librarians will implement the goals of the program focusing on network members and services, communications, and promotion of and education on NLM products and programs to health professionals and consumers, especially in underserved communities. The Hardin Library has a full-time outreach librarian who provides training and support to health professionals and librarians throughout the state of Iowa. This position attends conferences and presents training sessions, exhibits at meetings and provides webinars to nurses, public librarians, consumers, physician assistants, doctors and other healthcare professionals. Hardin Library is excited to take this expertise to a new level and provide the leadership in guiding the GMR members in developing new and exciting outreach programs and services.

Stakeholders will be actively involved in the network through a variety of opportunities. First, there will be three stakeholder focus groups. The role of the focus groups will be to provide input and innovation on the direction and priority of the GMR programs. The three focus groups will consist of 1) Resource Library representatives; 2) network members from organizations such as public libraries, rural health organizations, and clinics; and, 3) health sciences librarians from hospitals and other non-Resource Library institutions. There will be six members in each focus group. Additionally, each RML librarian will have a workgroup consisting of members of the network to provide support in carrying our network programs such as scoring subaward proposals, identifying potential network members, and suggesting new programs.

To support the NN/LM mission, the Hardin Library has developed 10 goals (aims) for the GMR that will improve access to health and medical information for both health professionals and consumers. The ten goals are:

AIM 1: Establish a regional office for the National Network of Libraries of Medicine staffed with quality health information professionals, governed by stakeholders, and supported through partnerships with regional network members.

AIM 2: Improve communications within the NN/LM and NLM, and with network members and the community through a variety of communication modes.

AIM 3: Expand and manage the GMR network to enhance services to health care professionals, librarians, and community organizations.

AIM 4: Strengthen the Network National Emergency Preparedness and Response Plan, leading limited interruption in access to information throughout the Region and nationally during disasters and other emergencies.

AIM 5: Increase the number of network members actively and effectively participating in NLM programs and services directed to health professionals and consumers.

AIM 6: Provide a Data Management Education Center (DMEC) for network members to increase the number of network librarians skilled in supporting health researchers in data management throughout the data life cycle.

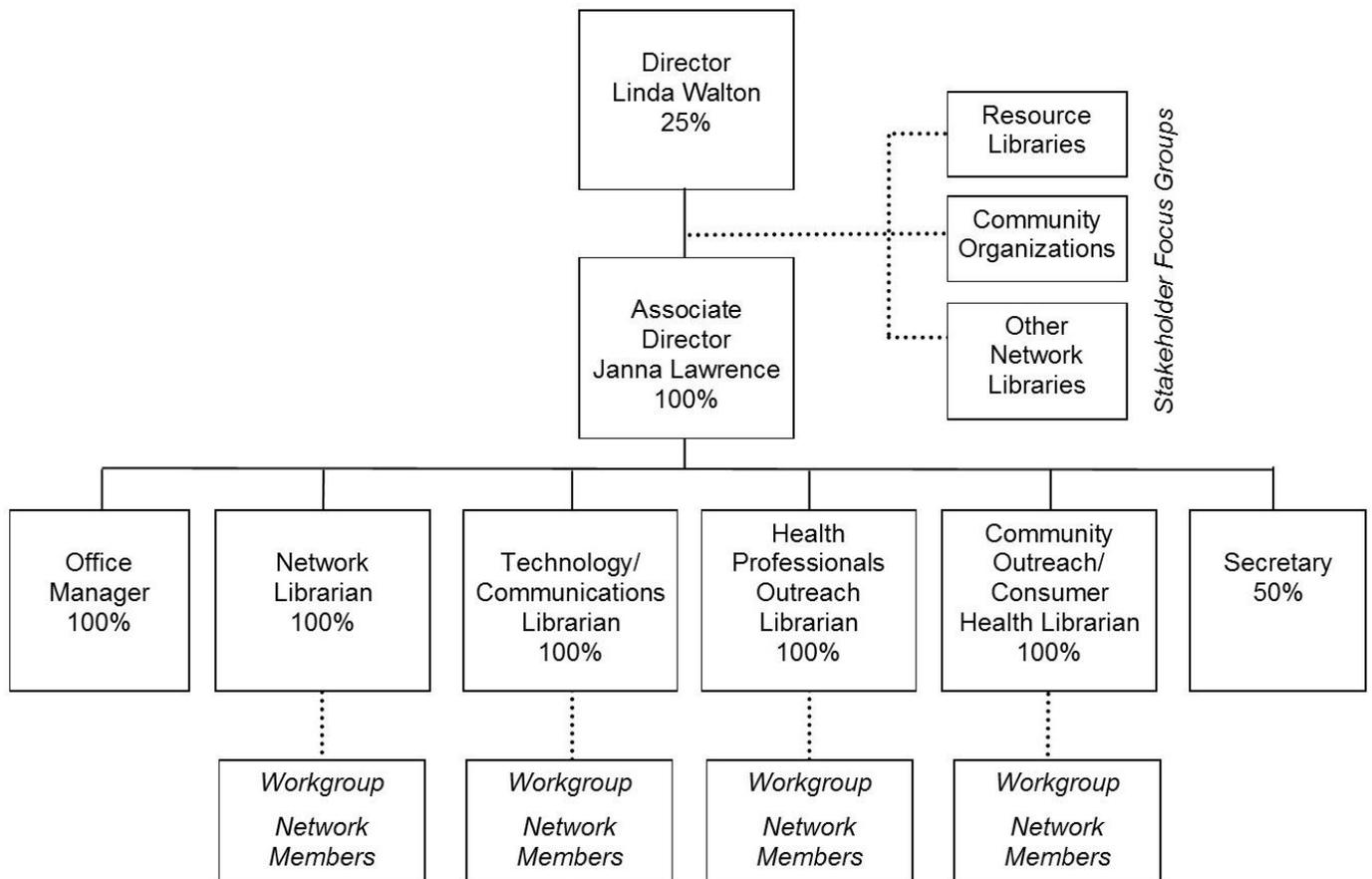
AIM 7: Increase the number of health professionals that effectively and efficiently search and use NLM products and services through a robust outreach and training program.

AIM 8: Ensure that all GMR network members have the opportunity to keep current on health sciences information topics and resources

AIM 9: Increase the number of public health professionals who have new skills in accessing and searching quality health information

AIM 10: Improve public librarians' and consumers' understanding and use of quality health information resources available from NLM.

The chart below shows the organizational structure of the GMR including leadership and governance.



A strength of the GMR will be its willingness to be a team player both within the region and in collaboration with the National Network Coordinating Office (NNCO), the other seven Regional Medical Libraries, the National Network Steering Committee (NNSC), and the five national offices of the NN/LM, including the NN/LM DOCLINE Coordination Office (NDCO), the NN/LM Evaluation Office (NEO), the NN/LM Web Services Office (NWSO), the NN/LM Training Office (NTO), and the NN/LM Public Health Coordination Office (NPHCO).

Being a team player means listening to our members to understand what resources and training they need in order to be quality network members, as well as communicating to our members what services and programs the GMR office can offer. Throughout the proposal are plans to communicate with our members through assessments using tools such as Survey Monkey, visiting members, and using social networking tools such as Facebook, blogs, Twitter, and a listserv to inform members of our activities. Our programs and services will expand, adapt, and change as our members provide feedback about what is working for them as a network and as a field force for promoting and training healthcare professionals on NLM resources.

As the need for healthcare professionals expands, the GMR will increase the number of network members providing services to both educational institutions with health sciences programs a to community organizations hiring health professionals. The GMR will monitor health sciences librarians and encourage them to actively participate in Regional activities such as promotion and training (outreach and education).

The GMR is fortunate to have many academic medical center libraries in our Region that serve as Resource Libraries. One of the Resource Libraries is the University of Michigan, known for its innovative approaches to managing information. We are very pleased to be partnering with the Taubman Health Sciences Library based at the University of Michigan in developing the first Data Management Education Center (DMEC) for the Region. Through their experience, our members will have new opportunities to learn and hopefully participate in a variety of data projects going on in their institutions.

The GMR is excited to partner with the Institute for Public Health Practice (IPHP) at the University of Iowa College of Public Health to provide a platform for delivering health information training to public health professionals. They have extensive experience and skills in providing online education using instructional design protocols and delivering online education. Working with the IPHP, the GMR will develop content on health information resources that in many cases will include continuing education credit. While not currently a network member, the IPHP will be the first organization registered as a network member.

Another exciting initiative is collaboration with the University of Kentucky School of Library and Information Science to have students interested in public libraries test an online consumer health program that will lead to public librarians receiving the MLA Consumer Health Information Specialization. The goal of the program is to have a product that will increase the number of public librarians trained in consumer health by the time they graduate with a master's in library or information science.

A variety of subawards will be offered to network members to act as an effective and knowledgeable field force in providing outreach and training to health professionals and consumers throughout the Region. Outreach funding will include the following subawards:

- Professional Development
- Emergency Preparedness/Library Partnership
- Exhibitor
- Outreach to Health Professionals
- Outreach to Consumers
- Technology Improvement

Continuing education is the cornerstone of what keeps health sciences librarians up-to-date on new information management resources, strategies, techniques, and programs. The GMR is committed to providing our network members with opportunities to grow and learn within the profession, emphasizing NLM products and services and their potential impact on healthcare improvement. The GMR will provide training at health sciences librarians meetings and funding to network members to attend other training opportunities in the Region, such as Medical Library Association (MLA) webinars or MLA Midwest Chapter meetings.

The Midwest has had a variety of emergencies affecting our libraries, from floods to tornadoes to chemical spills. In fact, the University of Iowa is still recovering from the Flood of 2008 which for a short time impacted our ability to provide library services to our patrons and the community. We learned quickly the value of having an emergency plan and relied on other network members to provide resources. Therefore, the GMR will have an active Emergency Preparedness and Response Plan so that all libraries will have immediate back-up should they face an emergency. Professional Development funds will be offered to support librarians in obtaining a disaster Information Specialization certificate from MLA.

The most active part of the NN/LM is outreach and education to health professionals and consumers. The GMR is prepared to offer these services through partnerships with network members who are in a position to understand the needs of their community. One outreach subaward, the Emergency Preparedness subaward, will be for network members to partner with other organizations assisting with health and disaster information needs. Another outreach award will be provided for network members to exhibit at state or regional health professionals meetings. A third subaward will provide

funds to enhance technology to enable services such as interlibrary loan or consumer health access.

Finally, subawards will be provided for network members to provide promotion and training on NLM resources. These awards will focus on underserved medical communities and may target health professionals or consumers.

The GMR has partnered with two Resource Libraries to begin developing outreach subawards. The first project by the Ruth Lilly Medical Library, Indiana University, focuses on outreach to health professionals and patients in state psychiatric hospitals in Indiana, beginning with Indianapolis. The second award is with the University of North Dakota to provide outreach and training to rural communities with a focus on Native Americans living on reservations in North Dakota and attending Tribal community colleges.

The GMR and its network of members will work with the tools and resource provided by the NN/LM Evaluation Office to develop assessments, plans, and evaluation for outreach programs. Each outreach subaward will receive the links to download and review the second edition (2013) of the *Planning & Evaluating Health Information Outreach Projects* series to provide consistency in quality of programs delivered.

We believe the Hardin Library for the Health Sciences at the University of Iowa understands the importance of community outreach as a way of improving healthcare. We are excited to work with other network members in developing an active region eager to support the mission of the NN/LM. Our tasks will include leadership, partnering, and innovative programs and services that expands the knowledge base of health professionals.

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UNIVERSITY OF IOWA LIBRARIES

100 Main Library
Iowa City, Iowa 52242-1420
319-335-5867 Fax 319-335-5900

July 13, 2015

Arthur Petrosian, Ph.D.
National Library of Medicine
8600 Rockville Pike
Bethesda, MD 20894

Dear Dr. Petrosian,

I am pleased to add my enthusiastic support to the proposal of the University of Iowa Hardin Library of the Health Sciences to serve as the Regional Medical Library (RML) for the National Network of Libraries of Medicine Greater Midwest Region (NN/LM GMR).

The Hardin Library is well positioned to take on this new leadership role. The Library has the requisite experience and the resources to ensure that the GMR and its network members will advance the progress of medicine and improve public health by providing U.S. health professionals with equal access to biomedical information and improving the general public's access to information to enable them to make informed decisions about their health. Thanks to the Hardin Library's enthusiastic and talented staff, the University of Iowa Libraries already has a successful record of providing outreach to the community. We are excited to apply our expertise beyond Iowa with a strong focus on health information literacy and access across the region.

The University of Iowa Libraries recently adopted a new Strategic Plan. Two elements of the Plan specifically call for the Libraries to "ensure that healthcare providers and consumers have access to health information services and resources" and "contribute to the University's global efforts to improve the human condition and to support research world-wide." Our proposal to serve as the RML is directly connected to these strategic areas of focus.

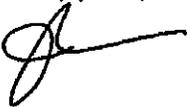
As a whole, the University Libraries is positioned to support the Hardin Library as the RML. As one of the top 30 public research libraries in the U.S., the Libraries has broad expertise in collection management, information literacy, community outreach, information technology, digitization, online instruction, emergency management, partnerships, social media, and financial and grants management. The Libraries has significant experience managing major grants. For example, we were recently awarded a \$400K grant from the National Endowment for the Humanities to digitize, preserve, and provide access to a significant collection of historical records of a turn of the 20th century vaudeville theater business. Our social media outreach efforts are award-winning with regional, national, and international impact via a variety of channels. Indeed, the entire UI library system will serve as a foundation for the RML. The RML will be perfectly positioned to reach out to network members, health professionals, and health sciences students as well as develop innovative programs and projects in support of the mission of the NN/LM.

Iowa's long history of regional and national partnerships will further enhance the Hardin Library's success as the RML. Since 1884, the University of Iowa Libraries has served as a Regional Depository Library in the Federal Depository Library Program. As a regional depository, the Libraries collaborates with the Government Publishing Office to ensure that the American public has free access to online and print government information. In 2014, the UI Libraries were honored with the Federal Depository Library of the Year Award in recognition of the library's leadership in expanding access and programming to Federal collections and services. The Hardin Library's role as RML would mirror this experience while focused on health care information.

The University of Iowa is also a member of the prestigious Committee on Institutional Cooperation (CIC), a consortium of the Big Ten member universities plus the University of Chicago. We will be able to leverage our membership in this consortium of world-class research institutions to enhance the resources and services of the RML. Strong connections already exist in our region because of the UI Libraries' involvement in several of the CIC Center for Library Initiatives' key projects such as the HathiTrust Digital Library, the Google Book Search Project, and the Shared Print Repository. The Hardin Library staff have also established important relationships through the Medical Library Association (MLA). For example, Associate University Librarian Linda Walton, the PI on this grant, has 35 years of experience as a health sciences librarian and is currently serving as the Past President of the MLA. Her deep knowledge of the field, along with her broad professional network, represent important characteristics that will help the RML succeed at the Hardin Library.

As part of the flagship public higher education institution in the State of Iowa, the UI Libraries has a responsibility to ensure that quality health care information is available to Iowans and the Greater Midwest Region. The UI Libraries, and the Hardin Library for the Health Sciences in particular, are prepared to take on a growing role in provision of health care information. We are excited – and ready – to serve as the Regional Medical Library.

Sincerely yours,



John P. Culshaw
University Librarian



OFFICE OF THE EXECUTIVE
VICE PRESIDENT AND PROVOST

111 Jessup Hall
Iowa City, Iowa 52242-1316
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July 16, 2015

Arthur Petrosian, Ph.D.
National Library of Medicine
8600 Rockville Pike
Bethesda, MD 20894

Dear Dr. Petrosian,

It is my pleasure to endorse the University of Iowa Hardin Library of the Health Sciences' proposal to serve as the Regional Medical Library (RML) for the National Network of Libraries of Medicine Greater Midwest Region (NN/LM GMR).

Leadership at the University of Iowa has long been committed to a multi-disciplinary approach to advance the progress of medicine and improving the health of the public. The UI Libraries' proposal directly reflects the collaborative environment this campus has fostered. As a Regional Medical Library, Hardin Library will tap campus collegiate partnerships, as well as its strong relations with our regional hospital and research facilities at University of Iowa Health Care in order to provide health professionals with equal access to biomedical information and improve the general public's access to information enabling them to make informed decisions about their health.

This proposal sits at the intersection of two of the four major pillars in the University's current strategic plan: *Knowledge and Practice* (interdisciplinary scholarship) and *Better Futures for Iowans* (public access to life-enriching knowledge). Hardin Library is a well-established resource for public health initiatives that emphasize open access to health information that enhance preventive medical care. Collaborative projects, such as *Blue Zones*, focus on placing accurate health information directly into the hands of patients.

In an increasingly information-dense society, patients face an overwhelming amount of data that can leave them confused. Hardin Library offers expertise in information literacy, community outreach, and online instruction.

Let me assure you that Hardin Library is poised to make the strategic investments to improve health outcomes across the region it would serve.

Sincerely,

A handwritten signature in black ink, appearing to read "P. Barry Butler".

P. Barry Butler
Executive Vice President and Provost



July 9, 2015

Arthur Petrosian, Ph.D.
National Library of Medicine
8600 Rockville Pike
Bethesda, MD 20894

Dear Dr. Petrosian:

We are pleased to write in strong support of the University of Iowa Hardin Library for the Health Sciences' application to serve as the Regional Medical Library for the Greater Midwest Region, a region of the National Network of Libraries of Medicine (NN/LM) managed by the National Library of Medicine, a NIH Institute. The Hardin Library is a central partner in education, clinical care and research for the University of Iowa Academic Medical Center that includes the Colleges of Medicine, Nursing, Dentistry, Pharmacy and Public Health, as well as the University of Iowa Hospitals and Clinics (UIHC).

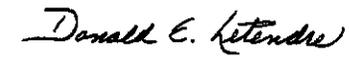
Hardin Library takes great pride in its user-centric focus. Expert library staff have developed an outstanding collection of resources and a wide variety of services to support students, faculty and staff in efficiently accessing quality information at time of need. These important services include online access to collections, interlibrary loan, consultations and research, instruction on evidence-based medicine, and expertise in searching resources such as PubMed.

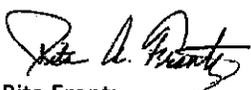
The Hardin Library is an experienced and respected leader in providing outreach to both health professionals and the community throughout the state of Iowa. For instance, a program was developed to provide information access to critical access hospitals that refer to the UIHC. Services include site visits with training on using PubMed, an online subject guide for each hospital with links to relevant sites and document delivery. Hardin Library also developed a program to provide technology, training and document delivery to five clinics to provide access to MedlinePlus for their patients. Other outreach projects have included Affordable Care Act training to public librarians through webinars and site visits to public health departments and public libraries in rural communities with faculty from the Colleges of Nursing, Pharmacy and Public Health.

This deep experience, combined with the credibility it has garnered throughout the State, shows that Hardin Library is well-poised to enlarge its outreach portfolio. The Hardin Library is ready to expand its expertise and to provide leadership to the National Network of Libraries of Medicine Greater Midwest Region.


Susan Curry
Dean, College of Public Health


David C. Johnsen
Dean, College of Dentistry


Donald Letendre
Dean, College of Pharmacy


Rita Frantz
Kelting Dean & Professor
College of Nursing


Debra Schwinn
Dean, Carver College of Medicine



Taubman Health Sciences Library

July 14, 2015

Linda Walton, MLS, AHIP
Associate University Librarian
Director, Hardin Library for the Health Sciences
University of Iowa

Dear Ms. Walton,

I am writing in support of the University of Iowa's application for the cooperative agreement (UG4) to be the Regional Medical Library for the Greater Midwest Region (GMR) of the National Network of Libraries of Medicine (NN/LM). The proposal presents a new and innovative approach to fulfilling the goals of the National Library of Medicine and the network, one that has not been tried before in this region.

The goal of the NN/LM is to advance the progress of medicine and improve public health by providing U.S. health professionals with equal access to biomedical information and improving individual's access to information to enable them to make informed decisions about their health.

The University of Iowa Hardin Library has selected libraries with experience and expertise in critical issues such as health disparities, rural health care, systematic reviews, and data management to collaborate on achieving NLM's goal in the region. Each of these topics will have a lead library that will provide training and resource guides to beginners, share its experiences and lessons learned with the more experienced, and collaborate and mutually learn from other libraries and individuals with similar expertise. This knowledge transfer allows the more experienced libraries and librarians to share their knowledge, provide training, and mentor not only librarians but also health professionals in across the professions.

At the University of Michigan, we have a large and growing expertise in data management, data management plans, ORCID, and repositories, as well as experience with open access publications, NIH and other federal agency mandates, and compliance issues.

We are pleased to be part of this proposal and to play a role in the region by sharing our data management knowledge, experience in advising on data management plans, metadata, repositories, and compliance, and the lessons learned about deploying a tool such as ORCID across a large population at one time. There is a need for this information in the region and difficulty finding and applying it. It's exciting to see a proposal with a clear focus in this area and an opportunity grow and strengthen biomedical research in the Midwest.

Sincerely,

A handwritten signature in black ink that reads 'Jane Blumenthal'.

Jane Blumenthal, MSLS, AHIP
Associate University Librarian and
Director, Taubman Health Sciences Library



Institute for Public Health Practice

July 12, 2015

Linda Walton, MLS, AHIP
Associate University Librarian
Director, Hardin Library for the Health Sciences
The University of Iowa

Dear Linda:

It is my sincere pleasure to write this letter of support for the Regional Medical Libraries for the National Network of Libraries of Medicine funding opportunity. The Hardin Library for the Health Sciences has been a leader in facilitating progress in medicine and public health by providing access to biomedical and public health information to a diverse audience and is well positioned to be a leader in this effort.

The Institute for Public Health Practice (IPHP) at The University of Iowa College of Public Health plays an essential role in meeting the training and education needs of the public health workforce and has the capacity and expertise to support the design and development of the online trainings in support of the Outreach and Education Core. IPHP includes two training centers: the Midwestern Public Health Training Center (funded by the Health Resources and Services Administration) and the Upper Midwest Preparedness and Emergency Response Learning Center (funded by the Centers for Disease Control and Prevention).

IPHP collaborates with a wide-range of traditional and non-traditional practice partners at the local and state level to address workforce development needs. Partners include state departments of public health, primary care associations, and a variety of professional associations. IPHP has developed trainings on topics such as cultural competence, emergency preparedness, accessing healthcare for those with disabilities, and mental health. IPHP is committed to partnering with the Hardin Library for the Health Sciences to provide quality instructional design and development and video production for online outreach and education activities.

I am confident the Hardin Library for the Health Sciences at The University of Iowa will make significant contributions to advancing the fields of medicine and public health by enhancing access to biomedical information and improving individual's access to information.

Sincerely,

A handwritten signature in black ink, appearing to read "Tanya Uden-Holman".

Tanya Uden-Holman, PhD
Deputy Director, Institute for Public Health Practice
Associate Dean, Education and Student Affairs
Clinical Professor, Health Management and Policy

Center for Rural Health

School of Medicine & Health Sciences
501 N Columbia Road Stop 9037
Grand Forks, ND 58202-9037
Phone (701) 777-3848
Fax (701) 777-6779
<http://ruralhealth.und.edu>

July 15, 2015

Ms. Linda Walton
Associate University Librarian
University of Iowa Libraries
100 Hardin Library (HLHS)
Iowa City, IA 52242-1098

Dear Ms. Walton,

It is with great enthusiasm that I write this letter of support for the four outreach pilot projects proposed by Kelly Thormodson of the University of North Dakota's Harley E. French Library of the Health Sciences: Research Support at Tribal Colleges in North Dakota; Rural Health Support Network; Outreach to Critical Access Hospitals; and Tribal Substance Abuse Counselors Resource Assistance.

As an associate professor at UND's School of Medicine and the Associate Director of Indigenous Programs for UND's Center for Rural Health, I have extensive experience in conducting research and in providing mental and behavioral health support in rural and American Indian populations. Additionally, I have over 35 years' experience working with tribes throughout Indian Country in the areas of health, education, counseling, and program development. It was because of this background that Ms. Thormodson initiated conversations with me to brainstorm ways in which her library could support the information needs of healthcare workers in Indian Country. The resulting list of proposals reflects critical areas of needs, as well as prime areas for collaboration with tribal colleges. Rural and tribal areas in this region of the country have little to no access to medical research library resources due to the remote areas and lack of connection to medical research library facilities. The proposed activities would increase that access to current medical research linking these remote sites to the most current information. Should this proposal be funded I will work with Ms. Thormodson to make the linkages throughout rural and tribal areas of North Dakota where research library materials are needed including tribal colleges, rural, tribal and Indian Health Service hospitals and clinics, and substance abuse programs and clinics.

In conclusion, I fully support the efforts of Ms. Thormodson to seek external funding for one or more of these projects related to supporting access to health information in Indian Country.

Sincerely,



Jacqueline Gray, PhD
Associate Director/Associate Professor





UND.edu

SCHOOL OF MEDICINE AND HEALTH SCIENCES

Education and Faculty Affairs

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501 N Columbia Road – Stop 9037
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Phone: 701.777.2515
Fax: 701.777.4077

July 15, 2015

Ms. Linda Walton
Associate University Librarian
The University of Iowa Libraries
100 Main Library
Iowa City, IA 52242-1420

Dear Ms. Walton,

I am writing in support of the Harley E French's library pilot projects related to outreach to the state of North Dakota via the regional medical library award.

As the Senior Associate Dean for Education at the School of Medicine and Health Sciences at the University of North Dakota, I have direct oversight of the library. I support their outreach activities to our state's health science professionals as well as our health consumers. I'm excited by the proposed pilot projects that would continue the outreach that Harley E French Library and thus the University of North Dakota could offer our state.

These projects build on our school's mission "*The primary purpose of the University of North Dakota School of Medicine and Health Sciences is to educate physicians and other health professionals and to enhance the quality of life in North Dakota. Other purposes include the discovery of knowledge that benefits the people of this state and enhances the quality of their lives.*" Therefore, I eagerly support these ideas and the continued collaboration of outreach to the state by our library to help enhance the quality of life here in North Dakota.

Sincerely,

A handwritten signature in black ink, appearing to read "Gwen W. Halaas".

Gwen W. Halaas, M.D., M.B.A.

Senior Associate Dean for Education



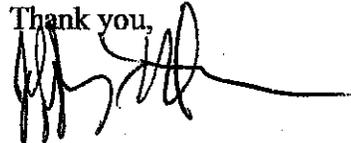
School of Library and
Information Science
320 Little Library Building
Lexington, KY 40506-0224
859 257-8876
fax 859 257-4205
ci.uky.edu/lis/

June 30, 2015

Linda Walton, MLS, AHIP
Associate University Librarian
Director of the Hardin Library for the Health Sciences
University of Iowa
600 Newton Road
Iowa City, IA 52245

Dear Ms. Walton:

I write in support of your proposal to target SLIS students interested in public librarianship to participate in an online offering of the MLA Consumer Health Information Training certificate. It is my understanding that you are proposing a pilot to include approximately 5 students prior to full implementation of the project. The pilot would provide scholarships for students to participate in the pilot.

Thank you,


Jeffrey T. Huber
Director and Professor



INDIANA UNIVERSITY
RUTH LILLY MEDICAL LIBRARY
School of Medicine

Date: 07.17.2015

Linda Walton, MLS, AHIP
Associate University Librarian
Director, Hardin Library for the Health Sciences
University of Iowa

Dear Ms. Walton

The Ruth Lilly Medical Library, Indiana University, based in Indianapolis, is a Resource Library for the NN/LM GMR. While we have focused on rural outreach in the past, this proposal focuses on providing health information services to mental health patients in the state psychiatric facilities.

Twenty-eight percent of US adults will experience a mental or addictive disorder in their lifetime; only half of those will receive treatment. We believe that all persons should have access to reading materials for leisure, personal growth, health, relaxation and to encourage a sense of personal freedom and choice.

Individuals experiencing treatment in state psychiatric facilities are especially vulnerable to a loss of pleasure and sense of freedom and choice. Unstructured reading without direct clinical oversight supports wellness, equality, happiness and a sense of freedom and control for patients that lack the ability to leave their physical location. We seek funding to establish a large, rotating collection (library) for the exclusive use of vulnerable patients in Indianapolis and Indiana state psychiatric facilities. Please see our attached detailed project proposal.

Sincerely,

Gabriel R. Rios, MLIS
Library Director, Ruth Lilly Medical Library
Indiana University School of Medicine

Enclosures

APPLICATION FOR FEDERAL ASSISTANCE

SF 424 (R&R)

5. APPLICANT INFORMATION		Organizational DUNS*: 0627616710000
Legal Name*:	University of Iowa	
Department:		
Division:		
Street1*:	2 Gilmore Hall	
Street2:		
City*:	Iowa City	
County:		
State*:	IA: Iowa	
Province:		
Country*:	USA: UNITED STATES	
ZIP / Postal Code*:	522421320	
Person to be contacted on matters involving this application		
Prefix:	First Name*:	Middle Name:
	Jennifer	L
		Last Name*:
		Lassner
		Suffix:
Position/Title:	Assistant Vice President for Research	
Street1*:	2 Gilmore Hall	
Street2:		
City*:	Iowa City	
County:	Johnson	
State*:	IA: Iowa	
Province:		
Country*:	USA: UNITED STATES	
ZIP / Postal Code*:	52242-1320	
Phone Number*:	319-335-2123	Fax Number: 319-335-2130
		Email: nih@uiowa.edu
7. TYPE OF APPLICANT*		H: Public/State Controlled Institution of Higher Education
Other (Specify):		
<input checked="" type="radio"/> Small Business Organization Type <input type="radio"/> Women Owned <input type="radio"/> Socially and Economically Disadvantaged		
11. DESCRIPTIVE TITLE OF APPLICANT'S PROJECT*		
NN/LM Greater Midwest Region (3)		
12. PROPOSED PROJECT		
Start Date*	Ending Date*	
05/01/2016	04/30/2021	

Project/Performance Site Location(s)

Project/Performance Site Primary Location

I am submitting an application as an individual, and not on behalf of a company, state, local or tribal government, academia, or other type of organization.

Organization Name: University of Iowa
 Duns Number: 062761671
 Street1*: 600 Newton Road
 Street2: Hardin Library for the Health Sciences
 City*: Iowa City
 County: Johnson
 State*: IA: Iowa
 Province:
 Country*: USA: UNITED STATES
 Zip / Postal Code*: 52242-1098
 Project/Performance Site Congressional District*: IA-002

File Name

Additional Location(s)

RESEARCH & RELATED Other Project Information

1. Are Human Subjects Involved?* <input type="radio"/> Yes <input checked="" type="radio"/> No	
1.a. If YES to Human Subjects Is the Project Exempt from Federal regulations? <input type="radio"/> Yes <input type="radio"/> No If YES, check appropriate exemption number: — 1 — 2 — 3 — 4 — 5 — 6 If NO, is the IRB review Pending? <input type="radio"/> Yes <input type="radio"/> No IRB Approval Date: Human Subject Assurance Number	
2. Are Vertebrate Animals Used?* <input type="radio"/> Yes <input checked="" type="radio"/> No	
2.a. If YES to Vertebrate Animals Is the IACUC review Pending? <input type="radio"/> Yes <input type="radio"/> No IACUC Approval Date: Animal Welfare Assurance Number	
3. Is proprietary/privileged information included in the application?* <input type="radio"/> Yes <input checked="" type="radio"/> No	
4.a. Does this project have an actual or potential impact - positive or negative - on the environment?* <input type="radio"/> Yes <input checked="" type="radio"/> No	
4.b. If yes, please explain: 4.c. If this project has an actual or potential impact on the environment, has an exemption been authorized or an environmental assessment (EA) or environmental impact statement (EIS) been performed? <input type="radio"/> Yes <input type="radio"/> No 4.d. If yes, please explain:	
5. Is the research performance site designated, or eligible to be designated, as a historic place?* <input type="radio"/> Yes <input checked="" type="radio"/> No	
5.a. If yes, please explain:	
6. Does this project involve activities outside the United States or partnership with international collaborators?* <input type="radio"/> Yes <input checked="" type="radio"/> No	
6.a. If yes, identify countries: 6.b. Optional Explanation:	
7. Project Summary/Abstract*	Filename AdminCoreAbstract1021031528.pdf
8. Project Narrative*	
9. Bibliography & References Cited	References1021031447.pdf
10. Facilities & Other Resources	Resources1021031399.pdf
11. Equipment	

The Hardin Library for the Health Sciences will serve as the Regional Medical Library (RML) for the NN/LM Greater Midwest Region (GMR) providing leadership and services. The ten states making up the GMR include Illinois, Indiana, Iowa, Kentucky, Michigan, Minnesota, North Dakota, Ohio, South Dakota, and Wisconsin. The RML will assist the NN/LM in developing, marketing, and distributing NLM products and services. The RML will assist the NN/LM in developing, marketing, and distributing NLM products and services. Additionally, the RML will provide NLM with feedback on how information is being used, make suggestions for improvements to existing products and services, and suggest innovations for products and services. The RML will strive to involve other GMR network members in the planning and implementation of services and resources. Staffing the RML will include a director, associate director, four librarians, an office manager, a part-time secretary and a part-time instructional designer. Governance of the RML will include three stakeholder focus groups for Resource Libraries, health professionals, and community-based organizations. Workgroups made up of network members will support the librarians with various projects and innovative ideas. The associate director will oversee an evaluation plan. Current communication modes will be assessed and enhanced, but will include a blog, listerv, social media and in-person updates, visits and presentations. The network members will be recognized with certificates, the database will be kept updated and plans will be made to expand the number of current members. The Emergency Preparedness and Response Plan for the Region will be promoted and members will be encouraged to earn the Disaster Information Specialization certificate from the Medical Library Association. The Greater Midwest Region will buddy with the Pacific Southwest Region should there be an emergency or disaster in either region.

Resources

The Hardin Library for the Health Sciences serves the combined information and research needs of the University of Iowa Colleges of Dentistry, Medicine, Nursing, Pharmacy, Public Health, the University of Iowa Hospitals & Clinics (including related allied-health education programs), and the Department of Communication Sciences and Disorders. The mission of the Hardin Library is to disseminate health sciences information to the students, faculty and staff of the University of Iowa and the public in support of education, research, and health care, and to preserve the scholarly record for the future.

The Hardin Library serves as a Resource and Outreach Library for the National Network of Libraries of Medicine. We provide outreach to unaffiliated health professionals, librarians and the public through training and resource support. We are active members of DOCLINE, Loansome Doc and MedlinePlus (listed as a consumer health library), consultations, online subject guides for targeted hospitals and clinics as well as other organizations that focus on healthcare. Hardin has received a variety of outreach subcontracts and grants from the National Library of Medicine and the National Network of Libraries of Medicine. The Library has a full-time Outreach Librarian who contacts unaffiliated users through exhibits, conferences, and referrals.

The Hardin Library employs 12 librarians, 11 library assistants and support personnel, and approximately 13 FTE student workers. Staff members provide a wide array of services and functions including electronic and traditional reference, instruction, circulation, electronic/traditional reserve, bookstacks maintenance, interlibrary loan/document delivery, and collection development.

The Hardin Library's print collection contains more than 370,000 book and journal volumes. The Library's collection includes more than 5000 health sciences journals, most in electronic format; over 200 health sciences databases, including PubMed, CINAHL, the Cochrane Database of Systematic Reviews, MDConsult, DynaMed, Stat!Ref, and UpToDate; and a growing collection of electronic books. Members of the health sciences campus also have access to all of the resources of the University of Iowa Main Library and branches. The majority of the UI Libraries' electronic resources are available remotely to UI students, faculty, and staff. Print materials delivered to on-campus offices, although not to dormitories, through the University Libraries Delivery Service, and articles from print journals can be scanned and delivered electronically through the Document Delivery Service. Materials not available in the UI Libraries may be requested through Interlibrary Loan.

In addition to housing collections, the library has a large amount of space for research and study, with over 500 seats in a variety of formats, including four group studies and 16 individual studies. Computers are located on every floor of the library and the campus wireless network is available throughout the building. A 24-hour study, available when Hardin Library is closed, can be accessed by UI affiliates with their campus ID cards. Two computer classrooms, each with 25 computers and about 50 seats, are located in the Information Commons, on the second floor of the library. These classrooms can be reserved for use by faculty. The Information Commons also houses the Simulation Center, a cross-disciplinary facility that includes a number of physical examination and procedural skill models.

A variety of education programs are provided by Hardin Library staff to both students and faculty, with library staff members playing an increased role in providing information skills within

the formal curricula of the health colleges through the library liaisons program. Hardin Open Workshops, free hands-on sessions open to all library users, are offered regularly, providing instruction on various databases, reference management software, and other topics. Additionally, research consultations are available to all library users on an appointment basis.

The University of Iowa Libraries is a member of several consortia including the National Network of Libraries of Medicine, the Iowa Council of Health Sciences Libraries, and the Resource Sharing Network for the CIC Institutions (the Big Ten and the University of Chicago). Through these relationships, faculty and students at the University of Iowa have superb access to materials held at other institutions. Such networks also allow the Hardin Library to extend its services to other libraries throughout Iowa and the rest of the country.

The University of Iowa Libraries: The [University of Iowa Libraries](#) system consists of the Main Library, the Hardin Library for the Health Sciences, and the Business, Engineering, Sciences, Art, and the Music Libraries. The Libraries has more than 5 million volumes including thousands of electronic resources and coordinates the development and maintenance of the University's locally-created open access digital resources including the Iowa Digital Library, featuring close to a million digitized texts, images, and audio and video recordings, as well as Iowa Research Online, our institutional repository.

Library systems are built on a mix of open source, locally developed, hosted services, and vended applications primarily from Ex Libris, OCLC, and Microsoft. The University of Iowa is a member of the Committee on Institutional Cooperation (CIC), AAHSL, ARL, OCLC, CRL, SPARC, CNI, CLIR, LOCKSS, CLOCKSS, and Portico. The Libraries provides a program of support for professional development activities and its staff members are actively engaged in national cooperative efforts.

Several departments within the University Libraries will support the Regional Medical Library and its programs that will enhance the network, including preservation (emergency preparedness) and the Digital Scholarship & Publishing Studio.

RESEARCH & RELATED Senior/Key Person Profile (Expanded)

PROFILE - Project Director/Principal Investigator				
Prefix:	First Name*: Linda	Middle Name J	Last Name*: Walton	Suffix:
Position/Title*:	Associate Director			
Organization Name*:	University of Iowa			
Department:	University Libraries			
Division:	Library Administration			
Street1*:	100 Main Library			
Street2:	Admin. HLHS			
City*:	Iowa City			
County:	Johnson			
State*:	IA: Iowa			
Province:				
Country*:	USA: UNITED STATES			
Zip / Postal Code*:	52242-1320			
Phone Number*:	319-335-9871	Fax Number:	E-Mail*: linda-walton@uiowa.edu	
Credential, e.g., agency login: WALTONL				
Project Role*: Other (Specify)		Other Project Role Category: Core Lead		
Degree Type: BA, MLS		Degree Year: 1981		
Attach Biographical Sketch*:		File Name		
Attach Current & Pending Support:				

RESEARCH & RELATED BUDGET - SECTION A & B, BUDGET PERIOD 1

ORGANIZATIONAL DUNS*: 0627616710000

Budget Type*: Project Subaward/Consortium

Enter name of Organization: University of Iowa

Start Date*: 05-01-2016

End Date*: 04-30-2017

Budget Period: 1

A. Senior/Key Person												
Prefix	First Name*	Middle Name	Last Name*	Suffix	Project Role*	Base Salary (\$)	Calendar Months	Academic Months	Summer Months	Requested Salary (\$)*	Fringe Benefits (\$)*	Funds Requested (\$)*
1.	Linda	J	Walton		Project Lead	142,250.00	1.8			21,338.00	7,618.00	28,956.00
Total Funds Requested for all Senior Key Persons in the attached file											28,956.00	
Additional Senior Key Persons: File Name:											Total Senior/Key Person	28,956.00

B. Other Personnel								
Number of Personnel*	Project Role*	Calendar Months	Academic Months	Summer Months	Requested Salary (\$)*	Fringe Benefits*	Funds Requested (\$)*	
	Post Doctoral Associates							
	Graduate Students							
	Undergraduate Students							
1	Secretarial/Clerical	6			26,591.00	12,338.00	38,929.00	
1	Associate Director	12			100,000.00	35,700.00	135,700.00	
1	Office Manager	12			55,000.00	19,635.00	74,635.00	
1	Tech/Comm. Librarian	12			65,000.00	23,205.00	88,205.00	
4	Total Number Other Personnel					Total Other Personnel	337,469.00	
							Total Salary, Wages and Fringe Benefits (A+B)	366,425.00

RESEARCH & RELATED Budget {A-B} (Funds Requested)

RESEARCH & RELATED BUDGET - SECTION C, D, & E, BUDGET PERIOD 1

ORGANIZATIONAL DUNS*: 0627616710000

Budget Type*: Project Subaward/Consortium

Enter name of Organization: University of Iowa

Start Date*: 05-01-2016

End Date*: 04-30-2017

Budget Period: 1

C. Equipment Description	
List items and dollar amount for each item exceeding \$5,000	
Equipment Item	Funds Requested (\$)*
Total funds requested for all equipment listed in the attached file	
Total Equipment _____	
Additional Equipment: File Name:	

	Funds Requested (\$)*
1. Domestic Travel Costs (Incl. Canada, Mexico, and U.S. Possessions)	15,000.00
2. Foreign Travel Costs	
Total Travel Cost _____	
	15,000.00

	Funds Requested (\$)*
E. Participant/Trainee Support Costs	
1. Tuition/Fees/Health Insurance	
2. Stipends	
3. Travel	
4. Subsistence	
5. Other:	
Total Participant Trainee Support Costs _____	
Number of Participants/Trainees	0.00

RESEARCH & RELATED Budget (C-E) (Funds Requested)

RESEARCH & RELATED BUDGET - SECTIONS F-K, BUDGET PERIOD 1

ORGANIZATIONAL DUNS*: 0627616710000

Budget Type*: Project Subaward/Consortium

Enter name of Organization: University of Iowa

Start Date*: 05-01-2016

End Date*: 04-30-2017

Budget Period: 1

F. Other Direct Costs	Funds Requested (\$)*
1. Materials and Supplies	8,000.00
2. Publication Costs	2,000.00
3. Consultant Services	
4. ADP/Computer Services	
5. Subawards/Consortium/Contractual Costs	
6. Equipment or Facility Rental/User Fees	
7. Alterations and Renovations	
Total Other Direct Costs	10,000.00

G. Direct Costs	Funds Requested (\$)*
Total Direct Costs (A thru F)	391,425.00

H. Indirect Costs			
Indirect Cost Type	Indirect Cost Rate (%)	Indirect Cost Base (\$)	Funds Requested (\$)*
1. on_campus	28.5	391,425.00	111,556.00
Total Indirect Costs			111,556.00
Cognizant Federal Agency		DHHS, Theodore Foster, 214-767-3261	
<small>(Agency Name, POC Name, and POC Phone Number)</small>			

I. Total Direct and Indirect Costs	Funds Requested (\$)*
Total Direct and Indirect Institutional Costs (G + H)	502,981.00

J. Fee	Funds Requested (\$)*

K. Budget Justification*
File Name: budget_justificationAdmin1021031541.pdf (Only attach one file.)

RESEARCH & RELATED Budget {F-K} (Funds Requested)

RESEARCH & RELATED BUDGET - SECTION A & B, BUDGET PERIOD 2

ORGANIZATIONAL DUNS*: 0627616710000

Budget Type*: Project Subaward/Consortium

Enter name of Organization: University of Iowa

Start Date*: 05-01-2017

End Date*: 04-30-2018

Budget Period: 2

A. Senior/Key Person												
Prefix	First Name*	Middle Name	Last Name*	Suffix	Project Role*	Base Salary (\$)	Calendar Months	Academic Months	Summer Months	Requested Salary (\$)*	Fringe Benefits (\$)*	Funds Requested (\$)*
1.	Linda	J	Walton		Project Lead	146,518.00	1.8			0.00	0.00	0.00
Total Funds Requested for all Senior Key Persons in the attached file											0.00	
Additional Senior Key Persons: File Name:											Total Senior/Key Person	0.00

B. Other Personnel							
Number of Personnel*	Project Role*	Calendar Months	Academic Months	Summer Months	Requested Salary (\$)*	Fringe Benefits*	Funds Requested (\$)*
	Post Doctoral Associates						
	Graduate Students						
	Undergraduate Students						
1	Secretarial/Clerical	6			27,389.00	12,708.00	40,097.00
1	Associate Director	12			103,000.00	36,771.00	139,771.00
1	Office Manager	12			56,650.00	20,224.00	76,874.00
1	Tech/Comm. Librarian	12			66,950.00	23,901.00	90,851.00
4	Total Number Other Personnel					Total Other Personnel	347,593.00
						Total Salary, Wages and Fringe Benefits (A+B)	347,593.00

RESEARCH & RELATED Budget {A-B} (Funds Requested)

RESEARCH & RELATED BUDGET - SECTION C, D, & E, BUDGET PERIOD 2

ORGANIZATIONAL DUNS*: 0627616710000

Budget Type*: Project Subaward/Consortium

Enter name of Organization: University of Iowa

Start Date*: 05-01-2017

End Date*: 04-30-2018

Budget Period: 2

C. Equipment Description	
List items and dollar amount for each item exceeding \$5,000	
Equipment Item	Funds Requested (\$)*
Total funds requested for all equipment listed in the attached file	
Total Equipment _____	
Additional Equipment: File Name:	

D. Travel	Funds Requested (\$)*
1. Domestic Travel Costs (Incl. Canada, Mexico, and U.S. Possessions)	15,000.00
2. Foreign Travel Costs	
Total Travel Cost _____	
15,000.00	

E. Participant/Trainee Support Costs	Funds Requested (\$)*
1. Tuition/Fees/Health Insurance	
2. Stipends	
3. Travel	
4. Subsistence	
5. Other:	
Total Participant Trainee Support Costs _____	
Number of Participants/Trainees	

RESEARCH & RELATED Budget (C-E) (Funds Requested)

RESEARCH & RELATED BUDGET - SECTIONS F-K, BUDGET PERIOD 2

ORGANIZATIONAL DUNS*: 0627616710000

Budget Type*: Project Subaward/Consortium

Enter name of Organization: University of Iowa

Start Date*: 05-01-2017

End Date*: 04-30-2018

Budget Period: 2

F. Other Direct Costs	Funds Requested (\$)*
1. Materials and Supplies	2,000.00
2. Publication Costs	1,000.00
3. Consultant Services	
4. ADP/Computer Services	
5. Subawards/Consortium/Contractual Costs	
6. Equipment or Facility Rental/User Fees	
7. Alterations and Renovations	
Total Other Direct Costs	3,000.00

G. Direct Costs	Funds Requested (\$)*
Total Direct Costs (A thru F)	365,593.00

H. Indirect Costs			
Indirect Cost Type	Indirect Cost Rate (%)	Indirect Cost Base (\$)	Funds Requested (\$)*
1. on_campus	28.5	365,593.00	104,194.00
Total Indirect Costs			104,194.00
Cognizant Federal Agency		DHHS, Theodore Foster, 214-767-3261	
(Agency Name, POC Name, and POC Phone Number)			

I. Total Direct and Indirect Costs	Funds Requested (\$)*
Total Direct and Indirect Institutional Costs (G + H)	469,787.00

J. Fee	Funds Requested (\$)*
---------------	------------------------------

K. Budget Justification*	File Name:
	budget_justificationAdmin1021031541.pdf
(Only attach one file.)	

RESEARCH & RELATED Budget {F-K} (Funds Requested)

RESEARCH & RELATED BUDGET - SECTION A & B, BUDGET PERIOD 3

ORGANIZATIONAL DUNS*: 0627616710000

Budget Type*: Project Subaward/Consortium

Enter name of Organization: University of Iowa

Start Date*: 05-01-2018

End Date*: 04-30-2019

Budget Period: 3

A. Senior/Key Person												
Prefix	First Name*	Middle Name	Last Name*	Suffix	Project Role*	Base Salary (\$)	Calendar Months	Academic Months	Summer Months	Requested Salary (\$)*	Fringe Benefits (\$)*	Funds Requested (\$)*
1.	Linda	J	Walton		Project Lead	150,913.00	1.8			0.00	0.00	0.00
Total Funds Requested for all Senior Key Persons in the attached file											0.00	
Additional Senior Key Persons: File Name:											Total Senior/Key Person	0.00

B. Other Personnel							
Number of Personnel*	Project Role*	Calendar Months	Academic Months	Summer Months	Requested Salary (\$)*	Fringe Benefits*	Funds Requested (\$)*
	Post Doctoral Associates						
	Graduate Students						
	Undergraduate Students						
1	Secretarial/Clerical	6			28,210.00	13,089.00	41,299.00
1	Associate Director	12			106,090.00	37,874.00	143,964.00
1	Office Manager	12			58,350.00	20,831.00	79,181.00
1	Tech/Comm. Librarian	12			68,959.00	24,618.00	93,577.00
4	Total Number Other Personnel					Total Other Personnel	358,021.00
						Total Salary, Wages and Fringe Benefits (A+B)	358,021.00

RESEARCH & RELATED Budget {A-B} (Funds Requested)

RESEARCH & RELATED BUDGET - SECTION C, D, & E, BUDGET PERIOD 3

ORGANIZATIONAL DUNS*: 0627616710000

Budget Type*: Project Subaward/Consortium

Enter name of Organization: University of Iowa

Start Date*: 05-01-2018

End Date*: 04-30-2019

Budget Period: 3

C. Equipment Description		Funds Requested (\$)*
List items and dollar amount for each item exceeding \$5,000		
Equipment Item		
Total funds requested for all equipment listed in the attached file		
	Total Equipment	
Additional Equipment: File Name:		

D. Travel	Funds Requested (\$)*
1. Domestic Travel Costs (Incl. Canada, Mexico, and U.S. Possessions)	15,000.00
2. Foreign Travel Costs	
Total Travel Cost	15,000.00

E. Participant/Trainee Support Costs	Funds Requested (\$)*
1. Tuition/Fees/Health Insurance	
2. Stipends	
3. Travel	
4. Subsistence	
5. Other:	
Number of Participants/Trainees	Total Participant Trainee Support Costs

RESEARCH & RELATED Budget (C-E) (Funds Requested)

RESEARCH & RELATED BUDGET - SECTIONS F-K, BUDGET PERIOD 3

ORGANIZATIONAL DUNS*: 0627616710000

Budget Type*: Project Subaward/Consortium

Enter name of Organization: University of Iowa

Start Date*: 05-01-2018

End Date*: 04-30-2019

Budget Period: 3

F. Other Direct Costs	Funds Requested (\$)*
1. Materials and Supplies	1,000.00
2. Publication Costs	1,000.00
3. Consultant Services	
4. ADP/Computer Services	
5. Subawards/Consortium/Contractual Costs	
6. Equipment or Facility Rental/User Fees	
7. Alterations and Renovations	
8. National Exhibit Fees	0.00
9. Outreach Projects	0.00
Total Other Direct Costs	2,000.00

G. Direct Costs	Funds Requested (\$)*
Total Direct Costs (A thru F)	375,021.00

H. Indirect Costs			
Indirect Cost Type	Indirect Cost Rate (%)	Indirect Cost Base (\$)	Funds Requested (\$)*
1. on_campus	28.5	375,021.00	106,881.00
Total Indirect Costs			106,881.00
Cognizant Federal Agency		DHHS, Theodore Foster, 214-767-3261	
(Agency Name, POC Name, and POC Phone Number)			

I. Total Direct and Indirect Costs	Funds Requested (\$)*
Total Direct and Indirect Institutional Costs (G + H)	481,902.00

J. Fee	Funds Requested (\$)*

K. Budget Justification*
File Name: budget_justificationAdmin1021031541.pdf (Only attach one file.)

RESEARCH & RELATED Budget {F-K} (Funds Requested)

RESEARCH & RELATED BUDGET - SECTION A & B, BUDGET PERIOD 4

ORGANIZATIONAL DUNS*: 0627616710000

Budget Type*: Project Subaward/Consortium

Enter name of Organization: University of Iowa

Start Date*: 05-01-2019

End Date*: 04-30-2020

Budget Period: 4

A. Senior/Key Person												
Prefix	First Name*	Middle Name	Last Name*	Suffix	Project Role*	Base Salary (\$)	Calendar Months	Academic Months	Summer Months	Requested Salary (\$)*	Fringe Benefits (\$)*	Funds Requested (\$)*
1.	Linda	J	Walton		Project Lead	155,440.00	1.8			0.00	0.00	0.00
Total Funds Requested for all Senior Key Persons in the attached file											0.00	
Additional Senior Key Persons: File Name:											Total Senior/Key Person 0.00	

B. Other Personnel							
Number of Personnel*	Project Role*	Calendar Months	Academic Months	Summer Months	Requested Salary (\$)*	Fringe Benefits*	Funds Requested (\$)*
	Post Doctoral Associates						
	Graduate Students						
	Undergraduate Students						
1	Secretarial/Clerical	6			29,057.00	13,482.00	42,539.00
1	Associate Director	12			109,273.00	39,010.00	148,283.00
1	Office Manager	12			60,100.00	21,456.00	81,556.00
1	Tech/Comm. Librarian	12			71,027.00	25,357.00	96,384.00
4	Total Number Other Personnel					Total Other Personnel	368,762.00
						Total Salary, Wages and Fringe Benefits (A+B)	368,762.00

RESEARCH & RELATED Budget {A-B} (Funds Requested)

RESEARCH & RELATED BUDGET - SECTION C, D, & E, BUDGET PERIOD 4

ORGANIZATIONAL DUNS*: 0627616710000

Budget Type*: Project Subaward/Consortium

Enter name of Organization: University of Iowa

Start Date*: 05-01-2019

End Date*: 04-30-2020

Budget Period: 4

C. Equipment Description		Funds Requested (\$)*
List items and dollar amount for each item exceeding \$5,000		
Equipment Item		
Total funds requested for all equipment listed in the attached file		
	Total Equipment	
Additional Equipment: File Name:		

D. Travel	Funds Requested (\$)*
1. Domestic Travel Costs (Incl. Canada, Mexico, and U.S. Possessions)	15,000.00
2. Foreign Travel Costs	
Total Travel Cost	15,000.00

E. Participant/Trainee Support Costs	Funds Requested (\$)*
1. Tuition/Fees/Health Insurance	
2. Stipends	
3. Travel	
4. Subsistence	
5. Other:	
Number of Participants/Trainees	Total Participant Trainee Support Costs

RESEARCH & RELATED Budget (C-E) (Funds Requested)

RESEARCH & RELATED BUDGET - SECTIONS F-K, BUDGET PERIOD 4

ORGANIZATIONAL DUNS*: 0627616710000

Budget Type*: Project Subaward/Consortium

Enter name of Organization: University of Iowa

Start Date*: 05-01-2019

End Date*: 04-30-2020

Budget Period: 4

F. Other Direct Costs	Funds Requested (\$)*
1. Materials and Supplies	3,000.00
2. Publication Costs	250.00
3. Consultant Services	
4. ADP/Computer Services	
5. Subawards/Consortium/Contractual Costs	
6. Equipment or Facility Rental/User Fees	
7. Alterations and Renovations	
Total Other Direct Costs	3,250.00

G. Direct Costs	Funds Requested (\$)*
Total Direct Costs (A thru F)	387,012.00

H. Indirect Costs			
Indirect Cost Type	Indirect Cost Rate (%)	Indirect Cost Base (\$)	Funds Requested (\$)*
1. on_campus	28.5	387,012.00	110,298.00
Total Indirect Costs			110,298.00
Cognizant Federal Agency		DHHS, Theodore Foster, 214-767-3261	
<small>(Agency Name, POC Name, and POC Phone Number)</small>			

I. Total Direct and Indirect Costs	Funds Requested (\$)*
Total Direct and Indirect Institutional Costs (G + H)	497,310.00

J. Fee	Funds Requested (\$)*

K. Budget Justification*	File Name:
	budget_justificationAdmin1021031541.pdf
<small>(Only attach one file.)</small>	

RESEARCH & RELATED Budget {F-K} (Funds Requested)

RESEARCH & RELATED BUDGET - SECTION A & B, BUDGET PERIOD 5

ORGANIZATIONAL DUNS*: 0627616710000

Budget Type*: Project Subaward/Consortium

Enter name of Organization: University of Iowa

Start Date*: 05-01-2020

End Date*: 04-30-2021

Budget Period: 5

A. Senior/Key Person												
Prefix	First Name*	Middle Name	Last Name*	Suffix	Project Role*	Base Salary (\$)	Calendar Months	Academic Months	Summer Months	Requested Salary (\$)*	Fringe Benefits (\$)*	Funds Requested (\$)*
1.	Linda	J	Walton		Project Lead	160,104.00	1.8			0.00	0.00	0.00
Total Funds Requested for all Senior Key Persons in the attached file											0.00	
Additional Senior Key Persons: File Name:											Total Senior/Key Person	0.00

B. Other Personnel							
Number of Personnel*	Project Role*	Calendar Months	Academic Months	Summer Months	Requested Salary (\$)*	Fringe Benefits*	Funds Requested (\$)*
	Post Doctoral Associates						
	Graduate Students						
	Undergraduate Students						
1	Secretarial/Clerical	6			29,928.00	13,887.00	43,815.00
1	Associate Director	12			112,551.00	40,181.00	152,732.00
1	Office Manager	12			61,903.00	22,099.00	84,002.00
1	Tech/Comm. Librarian	12			73,158.00	26,117.00	99,275.00
4	Total Number Other Personnel					Total Other Personnel	379,824.00
						Total Salary, Wages and Fringe Benefits (A+B)	379,824.00

RESEARCH & RELATED Budget {A-B} (Funds Requested)

RESEARCH & RELATED BUDGET - SECTION C, D, & E, BUDGET PERIOD 5

ORGANIZATIONAL DUNS*: 0627616710000

Budget Type*: Project Subaward/Consortium

Enter name of Organization: University of Iowa

Start Date*: 05-01-2020

End Date*: 04-30-2021

Budget Period: 5

C. Equipment Description	
List items and dollar amount for each item exceeding \$5,000	
Equipment Item	Funds Requested (\$)*
Total funds requested for all equipment listed in the attached file	
Total Equipment _____	
Additional Equipment: File Name:	

D. Travel		Funds Requested (\$)*
1. Domestic Travel Costs (Incl. Canada, Mexico, and U.S. Possessions)		15,000.00
2. Foreign Travel Costs		
Total Travel Cost		15,000.00

E. Participant/Trainee Support Costs		Funds Requested (\$)*
1. Tuition/Fees/Health Insurance		
2. Stipends		
3. Travel		
4. Subsistence		
5. Other:		
Number of Participants/Trainees		
Total Participant Trainee Support Costs		_____

RESEARCH & RELATED Budget (C-E) (Funds Requested)

RESEARCH & RELATED BUDGET - SECTIONS F-K, BUDGET PERIOD 5

ORGANIZATIONAL DUNS*: 0627616710000

Budget Type*: Project Subaward/Consortium

Enter name of Organization: University of Iowa

Start Date*: 05-01-2020

End Date*: 04-30-2021

Budget Period: 5

F. Other Direct Costs	Funds Requested (\$)*
1. Materials and Supplies	1,000.00
2. Publication Costs	
3. Consultant Services	
4. ADP/Computer Services	
5. Subawards/Consortium/Contractual Costs	
6. Equipment or Facility Rental/User Fees	
7. Alterations and Renovations	
Total Other Direct Costs	1,000.00

G. Direct Costs	Funds Requested (\$)*
Total Direct Costs (A thru F)	395,824.00

H. Indirect Costs			
Indirect Cost Type	Indirect Cost Rate (%)	Indirect Cost Base (\$)	Funds Requested (\$)*
1. on_campus	28.5	395,824.00	112,810.00
Total Indirect Costs			112,810.00
Cognizant Federal Agency		DHHS, Theodore Foster, 214-767-3261	
<small>(Agency Name, POC Name, and POC Phone Number)</small>			

I. Total Direct and Indirect Costs	Funds Requested (\$)*
Total Direct and Indirect Institutional Costs (G + H)	508,634.00

J. Fee	Funds Requested (\$)*

K. Budget Justification*
File Name: budget_justificationAdmin1021031541.pdf (Only attach one file.)

RESEARCH & RELATED Budget {F-K} (Funds Requested)

NN/LM Greater Midwest Region (3)
Budget Justification – Administrative Core
Year 1 May 1, 2016-April 30, 2017

Personnel = \$366,425

PI/Director

15% time for the PI/Director is requested to set up the new Regional Office during the first year. Linda Walton has experience establishing a new RML office, hiring staff, and working with both the National Library of Medicine and the University of Iowa Sponsored Programs. This person provides the leadership for the RML and sets direction for all programs. She will serve as liaison to the NNCO and the NNSC and to the Resource Libraries. After year 1 her time will be contributed at 15% of her time. Fringe Benefits Rate 35.7%.

Associate Director

100% time is requested for an Associate Director to manage the operations of the program. This person serves as manager for the RML and will supervise all staff, oversee and develop budgets, write reports, implement new programs, represent the RML at national and regional meetings and conferences, and serve as the lead on evaluation. 35.7% fringe benefit rate.

Technology/Communications Librarian

100% time is requested for a Technology/Communications Librarian to manage the RML website, blog, listserv and social media. This person also will serve as liaison to the NWSO so that the website is compliant with all national and university laws and regulations. This person will provide assistance to network members regarding new technologies, will write articles for the blog and social networking tools, provide layout for brochures and other print material as requested. 35.7% fringe benefit rate.

Office Manager (Finance)

100% time is requested for an office manager to manage finances and provide additional office support as librarians will often be traveling throughout the region. This position handles all budget reports and balances, billings, memorandums of understanding, subawards, financial worksheets, payroll, expenditures, travel, travel reimbursement, private personnel files, oversees office procedures and ensures quality in meeting the policies and procedures of the University of Iowa and the National Library of Medicine regarding budget, subawards and other requirements. 35.7% fringe benefit rate.

Secretary

50% time is requested for a secretary to provide assistance to the Office Manager regarding routine office procedures, data entry (membership data, outreach data) into required databases of NN/LM program, mailings, assists librarians with class preparation, reviews and files activity reports from subawards and other projects, prepares meeting materials. This position is especially important should we receive the grant and need to set up an NN/LM RML office for the first time. Time may be reduced after the first year, depending on the Office Manager's workload. Deanna Poe, current secretary for the Hardin Library will work 50% time in the RML office. Fringe benefit rate of 46.4%.

Travel = \$15,000

The travel budget will cover:

PI/Director to attend two National Network Steering Committee meetings, pre-MLA NN/LM annual meeting, MLA Midwest Chapter meeting and various other meetings in region.

Associate Director to attend NLM orientation, pre-MLA NN/LM annual meeting, 1 MLA Midwest Chapter meeting and various other regional and state meetings.

Technology Librarian to attend the Pre-MLA annual NN/LM meeting, MLA Midwest Chapter meeting, and various meetings throughout region.

National meetings are estimated at \$1200 per person including transportation, per diem and hotel. Rates are based on the University of Iowa policies.

Regional and State meetings are estimated at \$750 per person including transportation, per diem and hotel.

Materials and Supplies = \$8,000

Establishing a new RML will require computers for full-time staff, notebook computers for librarians providing outreach to the region, a printer, and various office supplies. The University of Iowa has a contract with Dell and all computer supplies will be bought at the contracted educational rate.

2 Computers are estimated at \$1,000 each = \$2,000

2 Notebooks are estimated at \$1,500 = \$1500

2 I-Pads are estimated at \$400 = \$800

1 Printer for office is estimated at \$1,000

Miscellaneous software (such as Camtasia, Photoshop, etc.) and general office supplies = \$1,200

Printing Costs = \$2,000

Publication costs cover new brochures, printing certificates, posters for national, regional and state meetings. Most publications are produced through the University of Iowa. Prices will vary depending on amounts. <http://printmail.bo.uiowa.edu/printmail/prices/print.shtml>

Negotiated Indirect Cost rate: 28.5%.

RESEARCH & RELATED BUDGET - Cumulative Budget

	Totals (\$)	
Section A, Senior/Key Person		28,956.00
Section B, Other Personnel		1,791,669.00
Total Number Other Personnel	20	
Total Salary, Wages and Fringe Benefits (A+B)		1,820,625.00
Section C, Equipment		
Section D, Travel		75,000.00
1. Domestic	75,000.00	
2. Foreign		
Section E, Participant/Trainee Support Costs		
1. Tuition/Fees/Health Insurance		
2. Stipends		
3. Travel		
4. Subsistence		
5. Other		
6. Number of Participants/Trainees		
Section F, Other Direct Costs		19,250.00
1. Materials and Supplies	15,000.00	
2. Publication Costs	4,250.00	
3. Consultant Services		
4. ADP/Computer Services		
5. Subawards/Consortium/Contractual Costs		
6. Equipment or Facility Rental/User Fees		
7. Alterations and Renovations		
8. Other 1		
9. Other 2		
10. Other 3		
Section G, Direct Costs (A thru F)		1,914,875.00
Section H, Indirect Costs		545,739.00
Section I, Total Direct and Indirect Costs (G + H)		2,460,614.00
Section J, Fee		

PHS 398 Cover Page Supplement

OMB Number: 0925-0001

1. Project Director / Principal Investigator (PD/PI)

Prefix:

First Name*: Linda
Middle Name: J
Last Name*: Walton
Suffix:

2. Human Subjects

Clinical Trial? No Yes
Agency-Defined Phase III Clinical Trial?* No Yes

3. Permission Statement*

If this application does not result in an award, is the Government permitted to disclose the title of your proposed project, and the name, address, telephone number and e-mail address of the official signing for the applicant organization, to organizations that may be interested in contacting you for further information (e.g., possible collaborations, investment)?

Yes No

4. Program Income*

Is program income anticipated during the periods for which the grant support is requested? Yes No

If you checked "yes" above (indicating that program income is anticipated), then use the format below to reflect the amount and source(s). Otherwise, leave this section blank.

Budget Period*	Anticipated Amount (\$)*	Source(s)*
.....
.....
.....
.....
.....

PHS 398 Cover Page Supplement

5. Human Embryonic Stem Cells

Does the proposed project involve human embryonic stem cells?* No Yes

If the proposed project involves human embryonic stem cells, list below the registration number of the specific cell line(s) from the following list: http://grants.nih.gov/stem_cells/registry/current.htm. Or, if a specific stem cell line cannot be referenced at this time, please check the box indicating that one from the registry will be used:

Cell Line(s): Specific stem cell line cannot be referenced at this time. One from the registry will be used.

6. Inventions and Patents (For renewal applications only)

Inventions and Patents*: Yes No

If the answer is "Yes" then please answer the following:

Previously Reported*: Yes No

7. Change of Investigator / Change of Institution Questions

Change of principal investigator / program director

Name of former principal investigator / program director:

Prefix:

First Name*:

Middle Name:

Last Name*:

Suffix:

Change of Grantee Institution

Name of former institution*:

PHS 398 Research Plan

Please attach applicable sections of the research plan, below.

OMB Number: 0925-0001

1. Introduction to Application (for RESUBMISSION or REVISION only)	
2. Specific Aims	Admin_Aims1021031521.pdf
3. Research Strategy*	Administrative_Core21021031560.pdf
4. Progress Report Publication List	
Human Subjects Sections	
5. Protection of Human Subjects	
6. Inclusion of Women and Minorities	
7. Inclusion of Children	
Other Research Plan Sections	
8. Vertebrate Animals	
9. Select Agent Research	
10. Multiple PD/PI Leadership Plan	
11. Consortium/Contractual Arrangements	
12. Letters of Support	
13. Resource Sharing Plan(s)	
Appendix (if applicable)	
14. Appendix	job_descriptions1021031453.pdf

AIM 1: The Hardin Library for the Health Sciences at the University of Iowa will establish a regional office for the National Network of Libraries of Medicine staffed with quality health information professionals and governed by stakeholders. Partnerships with regional network members will be established to support the mission of the NN/LM including access to quality health information for health professionals, librarians and consumers during the five years of the grant.

AIM 2: The GMR will continually strive to improve communications within the NN/LM and NLM, and with network members and the community through a variety of communication modes, with the intent to enhance knowledge and understanding of the network's programs and services and to ensure transparency with our peers, network members, and the community during the five years of the grant.

AIM 3: The GMR staff will expand and manage the GMR network to enhance services to health care professionals, librarians, and community organizations throughout the five years of the award so that the NN/LM mission continues to be met through a distributed network.

AIM 4: The GMR staff will strengthen the Network National Emergency Preparedness and Response Plan within the Region in order to limit interruption in access to information throughout the Region and nationally during disasters and other emergencies during the five years of the grant.

Administrative Core

AIM 1: The Hardin Library for the Health Sciences at the University of Iowa will establish a regional office for the National Network of Libraries of Medicine staffed with quality health information professionals and governed by stakeholders. Partnerships with regional network members will be established to support the mission of the NN/LM including access to quality health information for health professionals, librarians and consumers during the five years of the grant.

In collaboration with the NNCO (network office) and the NNSC (steering committee), the Hardin Library for the Health Sciences will serve as the Regional Medical Library (RML) for the NN/LM Greater Midwest Region (GMR) providing leadership and services. The ten states making up the GMR include Illinois, Indiana, Iowa, Kentucky, Michigan, Minnesota, North Dakota, Ohio, South Dakota, and Wisconsin. The RML will assist the NN/LM in developing, marketing, and distributing NLM products and services.

Additionally, the RML will provide NLM with feedback on how information is being used, make suggestions for improvements to existing products and services, and suggest innovations for products and services. The RML will strive to involve other GMR network members in the planning and implementation of services and resources.

The NN/LM GMR office will be under the direction of the Hardin Library Director, Linda Walton. Ms. Walton has been a health sciences librarian since 1984, and has been an associate director for two Regions, the New England Region and the Greater Midwest Region. She has been the lead on writing two NN/LM Regional proposals, including plans and budgets, she has been the recipient of several NN/LM subcontracts and NLM grants, and she has been a reviewer for NN/LM contracts. She has served on Regional Advisory Committees, NLM committees, overseen Resource and Outreach Libraries, and has served on other relevant NN/LM committees. Additionally, Ms. Walton has worked as both an academic health sciences librarian and a hospital librarian. She has experience in the needs of network members and the services and programs provided by NLM and the NNLM.

The Associate Director, Janna Lawrence, will oversee the daily operation of the Regional Office including monitoring for continuous improvement, overseeing evaluation, and managing the budget and reporting for the RML. Ms. Lawrence has been a health sciences librarian since 1988. She has participated in a number of NN/LM activities in the Greater Midwest Region and the South Central Region, such as emergency preparedness, DOCLINE, Loansome Doc marketing and training, technology awards, NIH open access, PubMed searching and training, and other services. She currently supervises the Hardin Library staff and oversees the daily operation of the library as well as managing the collections budget. She will serve as interim associate director, until a permanent associate director is hired.

Four GMR librarians (Network Librarian, Technology and Communications Librarian, Health Professionals Outreach Librarian, and Community Outreach Librarian) with diverse skills in health information, instruction, communication, and technology will be hired. The librarians will target specific GMR programs, but also will team together to plan and deliver services as needed. Given the size of the Region, each GMR librarian also will serve as a liaison to a targeted area (two or three states, for example). By serving as a liaison to a targeted area, the GMR office has the ability to better understand the health information needs of specific geographic areas. The liaison can then provide guidance to these areas regarding services, resources, and programs offered by NLM, the NN/LM, and, specifically, the GMR. An Office Manager who will handle paperwork, billing, schedules, and other needed services will also be hired, along with a half-time Secretary to provide support services. These positions will work closely with the University Libraries Finance Unit, which will provide additional support as needed.

The Regional Advisory Committee will be made up of three Stakeholder Focus Groups. They will serve as an active partner in the development, assessment, and innovation of health information programming in the GMR. The membership of the three Stakeholder Focus Groups will represent the diversity of all who work to improve health information access in the Region, including health sciences librarians, health professionals, and representatives of community-based organizations. Each Stakeholder Focus Group will meet once a year using video technology to provide input on new services, targeted communities, and other innovative ideas to support the GMR Network and its constituents. Their input is especially helpful in the annual planning process.

GMR librarians will also create four workgroups to assist in the implementation of the projects and services provided by the GMR. These workgroups, made up of GMR members and key individuals, will help the GMR librarians develop a product, review proposals, or carry out other activities, thereby influencing the output. Members of a workgroup will rotate to give numerous network members an opportunity to support the GMR. The workgroups include network membership, communications, health professional outreach, and community outreach.

The Associate Director will work with the NN/LM Evaluation Office to craft an evaluation plan for the Region's various programs and services to assure consistency in how programs, projects, and services are assessed. The data will be gathered and interpreted so that changes are made to improve the Region's programs.

AIM 2: The GMR will continually strive to improve communications within the NN/LM and NLM, and with network members and the community through a variety of communication modes, with the intent to enhance knowledge and understanding of the network's programs and services and to ensure transparency with our peers, network members, and the community.

The GMR office, led by the Associate Director, will strive to improve all communication and will participate in all NNCO activities including monthly conference calls, attending meetings such as the pre-MLA meeting, and the NNSC meetings. The GMR staff will work collaboratively with other RMLs whenever possible in developing programs, projects, and services. All quarterly and annual reports, plans, and budgets will be submitted in a timely manner with the necessary information included so that the NLM, NNCO, the NNSC and other RMLS are aware of activities in the Region. The reports also will be posted on the GMR Website so anyone in the GMR Region or beyond can access them.

The Communications and Technology Librarian will coordinate online and print communications for the GMR. This person will work directly with the NN/LM Web Services Office to ensure that the GMR Website is reliable, current, and secure for both public use and for internal needs. The Communications and Technology Librarian will work with both the GMR staff and GMR Network members to ensure that the most important information is on the Website in an easy-to-use design. This position also will support new technologies for the office and the GMR Region and will develop new brochures and hand-outs.

One of the first tasks of the new grant will be an assessment of communication so that we have a better understanding of how our members would like to communicate with the GMR Office, in terms of frequency, timing, types of information, and method of communication. Working with the NN/LM Evaluation Office, an assessment strategy will be developed to give us the best results for reaching our audience (network members and potential network members) and providing them with the information they need through our communication outlets. Based on the information gathered, a marketing plan for the Region will be created by the Communications and Technology Librarian. Communications will include a blog with information about the GMR and NLM. Through the GMR listserv, a monthly table of contents of the blog will be distributed to all GMR members. The listserv will also distribute Important and informative announcements about the GMR or NLM. Social media will continue to be used including Facebook, Twitter, and other popular tools.

One of the most important communication tools will be face-to-face encounters. The GMR staff will attend the annual meeting of the Midwest Chapter of the Medical Library Association and will present at the meeting when possible. Additionally, the GMR staff will attend state health sciences library meetings in all 10 states providing updates and or educational sessions as needed or requested. Site visits will be held with affiliate network members when possible. Exhibiting at professional health sciences conferences will provide communication with network members, potential affiliate members, and the health sciences workforce.

AIM 3: The GMR staff will expand and manage the GMR network to enhance services to health care professionals, librarians, and community organizations throughout the five years of the award so that the NN/LM mission continues to be met through a distributed network.

The Network Librarian will work to expand and maintain the network. The position will work closely with the NWSO to maintain the network database. Based on the needs of the entire NN/LM, the GMR staff will participate in conference calls regarding the database or participate in any new projects deemed important that requires manipulating information within the database. A public interface to the network membership database will be provided on the GMR Website to assist people in the community with finding information about member libraries or organizations. Information about current network members will be updated and network certificates will be distributed to members once during the five years of the program.

The Network Librarian will identify potential new library members to the network. The focus will be on libraries in universities, colleges and community colleges with health sciences programs, hospital libraries, and public libraries. Appropriate marketing materials will be sent to potential new members via e-mail. Those institutions showing an interest will be contacted by phone for further follow-up. Support will be offered to those libraries interested in participating in one or all of the services such as DOCLINE or Loansome Doc and will be referred to the NCDO for support and training. Additional potential new library members also will be identified by exhibiting at library and health professional meetings, primarily on a regional and state level; these contacts will be referred to the Network Librarian for follow-up.

For health organizations without libraries, an assessment will be made of the organizations that are current members to see if there is a pattern to the types of organizations that join. Based on that information, similar organizations throughout the Region will be targeted and invited to join the network. Additionally, the GMR Community Outreach Librarian will work with the Network Librarian to include all state and county public health organizations. Resource Libraries will also be asked to suggest potential new networks members as part of the recruitment plan.

For those institutions or individuals seeking information about the network, a link to the NN/LM page, *Health Information on the Web*, will be prominent on the GMR Website. The link also will be included on all marketing resources.

AIM 4: The GMR staff will strengthen the Network National Emergency Preparedness and Response Plan within the Region in order to limit interruption in access to information throughout the Region and nationally during disasters and other emergencies.

The Network Librarian will oversee the Emergency Preparedness and Response Plan for the Region. The Plan will include maintaining a GMR Web page on Emergency Preparedness and Response as well as identifying State Liaisons for Disaster Preparedness. Their responsibility will be to raise awareness and promote continuity of access to knowledge-based and emergency-related health information before, during, and after local, regional, and/or national emergencies. This responsibility will be done through promotion of NLM and NN/LM emergency preparedness and disaster

information courses and resources, communicating with GMR Network members and NLM in the event of a local, regional and/or national emergency, and encouraging health sciences and public librarians to get involved in emergency preparedness outreach within their institution and community. GMR Librarians will continue to promote the value of creating emergency preparedness plans to every member institution and to submit their disaster plans to the Toolkit to be shared with other members in the NN/LM. Network members will be encouraged to get a basic or advanced certificate in Disaster Information Specialization from the Medical Library Association (MLA) to acquire the knowledge and skills necessary to support their institution and community in times of disaster or public health emergencies. Courses and activities that meet the requirements for a certificate are outlined in the Disaster Information Model Curriculum, <http://disaster.nlm.nih.gov/>. Professional development subawards will be available to help individuals take classes for the certification. Additional Emergency Preparedness subawards will be available to encourage network members to partner with other organizations assisting with health and disaster information needs before, during and after an emergency such as public health departments or community organizations.

The Greater Midwest Region (Region3) will continue to have a buddy relationship with the Pacific Southwest Region (Region 7). The staff will continue to work the PSR staff to be sure effective communication has been established, before, during and after an emergency or disaster; procedures will be established for notifying each other when a disaster or emergency occurs and help is needed; and specific roles for the RML and Resource Libraries in emergency planning as well as during an emergency will be defined. Plans will be shared and status updates will keep both Regions updated when situations change.

Timeline

	Year 1	Year 2	Year 3	Year 4	Year 5
AIM 1: Establish Regional Medical Library					
Hire staff	x				
Identify Stakeholder Focus Group members	x				
Hold Stake Holder Focus Groups meetings online	x	x	x	x	x
Identify Workgroup members	x		x		
Hold Workgroup members meetings online	x	x	x	x	x
Create Evaluation Plan	x				
Implement Evaluation Plan	x	x	x	x	x
AIM 2: Improve Communications					
Assess Communications	x				
Develop Communications Plan	x				
Attend RML and NNSC meetings	x	x	x	x	x
Submit RML reports	x	x	x	x	x

Update GMR website to reflect current information	X	X	X	X	X
Include Website for unaffiliated to find resources	X	X	X	X	X
Develop GMR marketing and promotional materials	X	X	X	X	X
Use social media for communications	X	X	X	X	X
Attend chapter & state health sciences libs. meetings	X	X	X	X	X
Implement other communications as identified in assessment and plan		X	X	X	X
Identify and promote new technologies					

Aim 3: Expand Network

Assess current network members & identify gaps	X	X			
Send network certificate to current members	X	X			
Recruit new library network members		X	X	X	X
Refer members to NCDO as needed		X	X	X	X
Identify & recruit new community network members		X	X	X	X
Send new members network certificates		X	X	X	X

Aim 4: Strengthen the Network National Emergency Preparedness and Response Plan

Update GMR website on Emergency Preparedness	X				
Identify State Liaisons Emergency Preparedness	X				
Promote Disaster Information Specialization certificate		X	X	X	
Create Professional Development Award information		X			
Create Emergency Preparedness Award information		X			
Promote & Execute Awards		X	X	X	X
Contact Pacific Southwest Region Buddy to make plans	X				
Assess NNEPRP Plan and improve			X	X	

References

Bradford, L.P. (1974). National training laboratories: Its history: 1947 – 1970. Bethel, ME: Leland Bradford.

Healthy People 2020. 7/17/2015. US Department of Health and Human Services, Washington, DC. <http://www.healthypeople.gov/>

Huber, JT, Kean EB, et. al. Outreach impact study: the case of the Greater Midwest Region. JMLA 99(4) October 2011.

Luo L and Van Ta Park. Preparing public librarians for consumer health information service: A nationwide study, Library & Information Science Research, 35 (2013), 310-17.

Morrison, G.R., Ross, S.M., Kemp, J.E., with contributions from H.K. Kalman. (2007). Designing effective instruction: Fifth edition. Hoboken, NJ: John Wiley & Sons, Inc.

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Olney CA and Barnes SJ. Planning and Evaluating Health Information Outreach Projects. Booklets 1-3. 2nd ed. (2013). NN/LM Outreach Evaluation Center, Seattle, WA. <https://nmlm.gov/sites/default/files/migrated/file/7504e0d9cba3a19a1bbc846ea207324f.pdf>

Shortage Designation: Health Professional Shortage Areas & Medically Underserved Areas/Populations. 7/17/ 2015. Health Resources and Services Administration, Rockville, MD. <http://www.hrsa.gov/shortage/>

State Snapshots. October 2014. Agency for Healthcare Research and Quality, Rockville, MD. <http://www.ahrq.gov/research/data/state-snapshots/index.html>

Whitney W, Dutcher GA and Keselman A. Evaluation of health information outreach: theory, practice and future direction, JMLA 101(2), April 2013.

APPLICATION FOR FEDERAL ASSISTANCE

SF 424 (R&R)

5. APPLICANT INFORMATION		Organizational DUNS*: 0627616710000	
Legal Name*:	University of Iowa		
Department:			
Division:			
Street1*:	2 Gilmore Hall		
Street2:			
City*:	Iowa City		
County:			
State*:	IA: Iowa		
Province:			
Country*:	USA: UNITED STATES		
ZIP / Postal Code*:	522421320		
Person to be contacted on matters involving this application			
Prefix:	First Name*:	Middle Name:	Last Name*:
	Jennifer	L	Lassner
Suffix:			
Position/Title:	Assistant Vice President for Research		
Street1*:	2 Gilmore Hall		
Street2:			
City*:	Iowa City		
County:	Johnson		
State*:	IA: Iowa		
Province:			
Country*:	USA: UNITED STATES		
ZIP / Postal Code*:	52242-1320		
Phone Number*:	319-335-2123	Fax Number:	319-335-2130
		Email:	nih@uiowa.edu
7. TYPE OF APPLICANT*		H: Public/State Controlled Institution of Higher Education	
Other (Specify):			
<input checked="" type="radio"/> Small Business Organization Type		<input type="radio"/> Women Owned	
		<input type="radio"/> Socially and Economically Disadvantaged	
11. DESCRIPTIVE TITLE OF APPLICANT'S PROJECT*			
NN/LM Grater Midwest Region (3)			
12. PROPOSED PROJECT			
Start Date*	Ending Date*		
05/01/2016	04/30/2021		

Project/Performance Site Location(s)**Project/Performance Site Primary Location**

I am submitting an application as an individual, and not on behalf of a company, state, local or tribal government, academia, or other type of organization.

Organization Name: University of Iowa
 Duns Number: 062761671
 Street1*: 600 Newton Road
 Street2: Hardin Library
 City*: Iowa City
 County: Johnson
 State*: IA: Iowa
 Province:
 Country*: USA: UNITED STATES
 Zip / Postal Code*: 52242-1098
 Project/Performance Site Congressional District*: IA-002

Project/Performance Site Location 1

I am submitting an application as an individual, and not on behalf of a company, state, local or tribal government, academia, or other type of organization.

Organization Name: University of Michigan
 DUNS Number: 073133571
 Street1*: Division of Research Development and Administration
 Street2: 3003 S. State Street
 City*: Ann Arbor
 County:
 State*: MI: Michigan
 Province:
 Country*: USA: UNITED STATES
 Zip / Postal Code*: 48109-1274
 Project/Performance Site Congressional District*: MI-012

File Name

Additional Location(s)

RESEARCH & RELATED Other Project Information

1. Are Human Subjects Involved?* <input type="radio"/> Yes <input checked="" type="radio"/> No	
1.a. If YES to Human Subjects Is the Project Exempt from Federal regulations? <input type="radio"/> Yes <input type="radio"/> No If YES, check appropriate exemption number: — 1 — 2 — 3 — 4 — 5 — 6 If NO, is the IRB review Pending? <input type="radio"/> Yes <input type="radio"/> No IRB Approval Date: Human Subject Assurance Number	
2. Are Vertebrate Animals Used?* <input type="radio"/> Yes <input checked="" type="radio"/> No	
2.a. If YES to Vertebrate Animals Is the IACUC review Pending? <input type="radio"/> Yes <input type="radio"/> No IACUC Approval Date: Animal Welfare Assurance Number	
3. Is proprietary/privileged information included in the application?* <input type="radio"/> Yes <input checked="" type="radio"/> No	
4.a. Does this project have an actual or potential impact - positive or negative - on the environment?* <input type="radio"/> Yes <input checked="" type="radio"/> No	
4.b. If yes, please explain: 4.c. If this project has an actual or potential impact on the environment, has an exemption been authorized or an environmental assessment (EA) or environmental impact statement (EIS) been performed? <input type="radio"/> Yes <input type="radio"/> No 4.d. If yes, please explain:	
5. Is the research performance site designated, or eligible to be designated, as a historic place?* <input type="radio"/> Yes <input checked="" type="radio"/> No	
5.a. If yes, please explain:	
6. Does this project involve activities outside the United States or partnership with international collaborators?* <input type="radio"/> Yes <input checked="" type="radio"/> No	
6.a. If yes, identify countries: 6.b. Optional Explanation:	
7. Project Summary/Abstract*	Filename Abstract_Access_to_Biomedical_and_Health_Information_Core1021031531.pdf
8. Project Narrative*	
9. Bibliography & References Cited	References1021031533.pdf
10. Facilities & Other Resources	Resources1021031534.pdf
11. Equipment	

Access to Biomedical and Health Information Core

Access to biomedical and health information for all health professionals and consumers in the region will be a priority for the GMR. The Network Librarian will work with the Network Membership Workgroup to establish priorities for working with new network members to expand NLM programs and services in the Region including Resource Libraries, general membership, DOCLINE, Loansome Doc, MedlinePlus, Resource Libraries, and MedPrint. The RML will actively partner with the NDCO to implement the NN/LM Document Delivery and Interlibrary Loan Plan. An assessment will be done of those network members not active in NLM programs and services and strategies for more network involvement will be developed. The GMR has several agreements with publishers that facilitate reasonable licensing costs for electronic resources for hospitals, this program will continue. The Network Librarian will conduct an analysis of MedPrint titles for which NLM reports fewer than 12 permanent print holdings. A call will go out to the Region asking libraries, particularly Resource Libraries and the RML, to assess their print collections to see if they can commit to permanently holding some of the titles on the list. Through a subaward, the University of Michigan Taubman Health Sciences Library (THL) will serve as the Data Management Education Center (DMEC) for the region. The DMEC will be the region's center for expertise and dissemination of information on biomedical big data and data management throughout the research lifecycle, providing resources and a variety of training, programming, and networking opportunities to libraries and health researchers. The DMEC will provide a point of contact for the region's librarians, health information professionals, and researchers for training and resources related to all aspects of data management.

Resources

The Hardin Library for the Health Sciences serves the combined information and research needs of the University of Iowa Colleges of Dentistry, Medicine, Nursing, Pharmacy, Public Health, the University of Iowa Hospitals & Clinics (including related allied-health education programs), and the Department of Communication Sciences and Disorders. The mission of the Hardin Library is to disseminate health sciences information to the students, faculty and staff of the University of Iowa and the public in support of education, research, and health care, and to preserve the scholarly record for the future.

The Hardin Library serves as a Resource and Outreach Library for the National Network of Libraries of Medicine. We provide outreach to unaffiliated health professionals, librarians and the public through training and resource support. We are active members of DOCLINE, Loansome Doc and MedlinePlus (listed as a consumer health library), consultations, online subject guides for targeted hospitals and clinics as well as other organizations that focus on healthcare. Hardin has received a variety of outreach subcontracts and grants from the National Library of Medicine and the National Network of Libraries of Medicine. The Library has a full-time Outreach Librarian who contacts unaffiliated users through exhibits, conferences, and referrals.

The Hardin Library employs 12 librarians, 11 library assistants and support personnel, and approximately 13 FTE student workers. Staff members provide a wide array of services and functions including electronic and traditional reference, instruction, circulation, electronic/traditional reserve, bookstacks maintenance, interlibrary loan/document delivery, and collection development.

The Hardin Library's print collection contains more than 370,000 book and journal volumes. The Library's collection includes more than 5000 health sciences journals, most in electronic format; over 200 health sciences databases, including PubMed, CINAHL, the Cochrane Database of Systematic Reviews, MDConsult, DynaMed, Stat!Ref, and UpToDate; and a growing collection of electronic books. Members of the health sciences campus also have access to all of the resources of the University of Iowa Main Library and branches. The majority of the UI Libraries' electronic resources are available remotely to UI students, faculty, and staff. Print materials delivered to on-campus offices, although not to dormitories, through the University Libraries Delivery Service, and articles from print journals can be scanned and delivered electronically through the Document Delivery Service. Materials not available in the UI Libraries may be requested through Interlibrary Loan.

In addition to housing collections, the library has a large amount of space for research and study, with over 500 seats in a variety of formats, including four group studies and 16 individual studies. Computers are located on every floor of the library and the campus wireless network is available throughout the building. A 24-hour study, available when Hardin Library is closed, can be accessed by UI affiliates with their campus ID cards. Two computer classrooms, each with 25 computers and about 50 seats, are located in the Information Commons, on the second floor of the library. These classrooms can be reserved for use by faculty. The Information Commons also houses the Simulation Center, a cross-disciplinary facility that includes a number of physical examination and procedural skill models.

A variety of education programs are provided by Hardin Library staff to both students and faculty, with library staff members playing an increased role in providing information skills within

the formal curricula of the health colleges through the library liaisons program. Hardin Open Workshops, free hands-on sessions open to all library users, are offered regularly, providing instruction on various databases, reference management software, and other topics. Additionally, research consultations are available to all library users on an appointment basis.

The University of Iowa Libraries is a member of several consortia including the National Network of Libraries of Medicine, the Iowa Council of Health Sciences Libraries, and the Resource Sharing Network for the CIC Institutions (the Big Ten and the University of Chicago). Through these relationships, faculty and students at the University of Iowa have superb access to materials held at other institutions. Such networks also allow the Hardin Library to extend its services to other libraries throughout Iowa and the rest of the country.

The University of Iowa Libraries: The [University of Iowa Libraries](#) system consists of the Main Library, the Hardin Library for the Health Sciences, and the Business, Engineering, Sciences, Art, and the Music Libraries. The Libraries has more than 5 million volumes including thousands of electronic resources and coordinates the development and maintenance of the University's locally-created open access digital resources including the Iowa Digital Library, featuring close to a million digitized texts, images, and audio and video recordings, as well as Iowa Research Online, our institutional repository.

Library systems are built on a mix of open source, locally developed, hosted services, and vended applications primarily from Ex Libris, OCLC, and Microsoft. The University of Iowa is a member of the Committee on Institutional Cooperation (CIC), AAHSL, ARL, OCLC, CRL, SPARC, CNI, CLIR, LOCKSS, CLOCKSS, and Portico. The Libraries provides a program of support for professional development activities and its staff members are actively engaged in national cooperative efforts.

Several departments within the University Libraries will support the Regional Medical Library and its programs that will enhance the network, including preservation (emergency preparedness) and the Digital Scholarship & Publishing Studio.

RESEARCH & RELATED Senior/Key Person Profile (Expanded)

PROFILE - Project Director/Principal Investigator				
Prefix:	First Name*: Linda	Middle Name J	Last Name*: Walton	Suffix:
Position/Title*:	Associate Director			
Organization Name*:	University of Iowa			
Department:	University Libraries			
Division:	Library Administration			
Street1*:	100 Main Library			
Street2:	Admin. HLHS			
City*:	Iowa City			
County:	Johnson			
State*:	IA: Iowa			
Province:				
Country*:	USA: UNITED STATES			
Zip / Postal Code*:	52242-1320			
Phone Number*:	319-335-9871	Fax Number:	E-Mail*: linda-walton@uiowa.edu	
Credential, e.g., agency login: WALTONL				
Project Role*: Other (Specify)		Other Project Role Category: Core Lead		
Degree Type: BA, MLS		Degree Year: 1981		
Attach Biographical Sketch*:		File Name		
Attach Current & Pending Support:				

PROFILE - Senior/Key Person				
Prefix:	First Name*: Jane	Middle Name	Last Name*: Blumenthal	Suffix:
Position/Title*:	Associate University Librarian			
Organization Name*:	University of Michigan			
Department:	Univeristy Libraries			
Division:	Taubman Health Sciences Lib.			
Street1*:	1135 E. Catherine			
Street2:				
City*:	Ann Arbor			
County:				
State*:	MI: Michigan			
Province:				
Country*:	USA: UNITED STATES			
Zip / Postal Code*:	48109-1274			
Phone Number*:	734-936-1403	Fax Number:	E-Mail*: janeblum@umich.edu	
Credential, e.g., agency login:				
Project Role*: Other (Specify)			Other Project Role Category: Director	
Degree Type:			Degree Year:	
Attach Biographical Sketch*:			File Name	
Attach Current & Pending Support:			2015_07_21_blumenthal_biosketch1021031565.pdf	

RESEARCH & RELATED BUDGET - SECTION A & B, BUDGET PERIOD 1

ORGANIZATIONAL DUNS*: 0627616710000

Budget Type*: Project Subaward/Consortium

Enter name of Organization: University of Iowa

Start Date*: 05-01-2016

End Date*: 04-30-2017

Budget Period: 1

A. Senior/Key Person												
Prefix	First Name*	Middle Name	Last Name*	Suffix	Project Role*	Base Salary (\$)	Calendar Months	Academic Months	Summer Months	Requested Salary (\$)*	Fringe Benefits (\$)*	Funds Requested (\$)*
1.	Linda	J	Walton		Project Lead	124,736.00	1.2			12,473.00	4,490.00	16,963.00
Total Funds Requested for all Senior Key Persons in the attached file											16,963.00	
Additional Senior Key Persons: File Name:											Total Senior/Key Person	16,963.00

B. Other Personnel							
Number of Personnel*	Project Role*	Calendar Months	Academic Months	Summer Months	Requested Salary (\$)*	Fringe Benefits*	Funds Requested (\$)*
	Post Doctoral Associates						
	Graduate Students						
	Undergraduate Students						
	Secretarial/Clerical						
1	Network Librarian	12			65,000.00	23,205.00	88,205.00
1	Total Number Other Personnel					Total Other Personnel	88,205.00
						Total Salary, Wages and Fringe Benefits (A+B)	105,168.00

RESEARCH & RELATED Budget {A-B} (Funds Requested)

RESEARCH & RELATED BUDGET - SECTION C, D, & E, BUDGET PERIOD 1

ORGANIZATIONAL DUNS*: 0627616710000

Budget Type*: Project Subaward/Consortium

Enter name of Organization: University of Iowa

Start Date*: 05-01-2016

End Date*: 04-30-2017

Budget Period: 1

C. Equipment Description

List items and dollar amount for each item exceeding \$5,000

Equipment Item**Funds Requested (\$)*****Total funds requested for all equipment listed in the attached file****Total Equipment****Additional Equipment:** File Name:**D. Travel****Funds Requested (\$)***

1. Domestic Travel Costs (Incl. Canada, Mexico, and U.S. Possessions)

10,000.00

2. Foreign Travel Costs

Total Travel Cost**10,000.00****E. Participant/Trainee Support Costs****Funds Requested (\$)***

1. Tuition/Fees/Health Insurance

2. Stipends

3. Travel

4. Subsistence

5. Other:

Number of Participants/Trainees**Total Participant Trainee Support Costs**

RESEARCH & RELATED Budget (C-E) (Funds Requested)

RESEARCH & RELATED BUDGET - SECTIONS F-K, BUDGET PERIOD 1**ORGANIZATIONAL DUNS*:** 0627616710000**Budget Type*:** Project Subaward/Consortium**Enter name of Organization:** University of Iowa**Start Date*:** 05-01-2016**End Date*:** 04-30-2017**Budget Period:** 1

F. Other Direct Costs	Funds Requested (\$)*
1. Materials and Supplies	2,900.00
2. Publication Costs	
3. Consultant Services	
4. ADP/Computer Services	
5. Subawards/Consortium/Contractual Costs	124,000.00
6. Equipment or Facility Rental/User Fees	
7. Alterations and Renovations	
Total Other Direct Costs	126,900.00

G. Direct Costs	Funds Requested (\$)*
Total Direct Costs (A thru F)	242,068.00

H. Indirect Costs			
Indirect Cost Type	Indirect Cost Rate (%)	Indirect Cost Base (\$)	Funds Requested (\$)*
1. on_campus	28.5	143,068.00	40,774.00
Total Indirect Costs			40,774.00
Cognizant Federal Agency		DHHS, Theodore Foster, 214-767-3261	
(Agency Name, POC Name, and POC Phone Number)			

I. Total Direct and Indirect Costs	Funds Requested (\$)*
Total Direct and Indirect Institutional Costs (G + H)	282,842.00

J. Fee	Funds Requested (\$)*
---------------	------------------------------

K. Budget Justification*	File Name:
	budget_justificationAccess1021031577.pdf
(Only attach one file.)	

RESEARCH & RELATED Budget {F-K} (Funds Requested)

RESEARCH & RELATED BUDGET - SECTION A & B, BUDGET PERIOD 2

ORGANIZATIONAL DUNS*: 0627616710000

Budget Type*: Project Subaward/Consortium

Enter name of Organization: University of Iowa

Start Date*: 05-01-2017

End Date*: 04-30-2018

Budget Period: 2

A. Senior/Key Person												
Prefix	First Name*	Middle Name	Last Name*	Suffix	Project Role*	Base Salary (\$)	Calendar Months	Academic Months	Summer Months	Requested Salary (\$)*	Fringe Benefits (\$)*	Funds Requested (\$)*
1.	Linda	J	Walton		Project Lead	128,478.00	1.2			0.00	0.00	0.00
Total Funds Requested for all Senior Key Persons in the attached file											0.00	
Additional Senior Key Persons:		File Name:								Total Senior/Key Person		0.00

B. Other Personnel							
Number of Personnel*	Project Role*	Calendar Months	Academic Months	Summer Months	Requested Salary (\$)*	Fringe Benefits*	Funds Requested (\$)*
	Post Doctoral Associates						
	Graduate Students						
	Undergraduate Students						
	Secretarial/Clerical						
1	Network Librarian	12			66,950.00	23,901.00	90,851.00
1	Total Number Other Personnel					Total Other Personnel	90,851.00
						Total Salary, Wages and Fringe Benefits (A+B)	90,851.00

RESEARCH & RELATED Budget {A-B} (Funds Requested)

RESEARCH & RELATED BUDGET - SECTION C, D, & E, BUDGET PERIOD 2

ORGANIZATIONAL DUNS*: 0627616710000

Budget Type*: Project Subaward/Consortium

Enter name of Organization: University of Iowa

Start Date*: 05-01-2017

End Date*: 04-30-2018

Budget Period: 2

C. Equipment Description

List items and dollar amount for each item exceeding \$5,000

Equipment Item**Funds Requested (\$)*****Total funds requested for all equipment listed in the attached file****Total Equipment****Additional Equipment:** File Name:**D. Travel****Funds Requested (\$)***

1. Domestic Travel Costs (Incl. Canada, Mexico, and U.S. Possessions)

10,000.00

2. Foreign Travel Costs

Total Travel Cost**10,000.00****E. Participant/Trainee Support Costs****Funds Requested (\$)***

1. Tuition/Fees/Health Insurance

2. Stipends

3. Travel

4. Subsistence

5. Other:

Number of Participants/Trainees**Total Participant Trainee Support Costs**

RESEARCH & RELATED Budget (C-E) (Funds Requested)

RESEARCH & RELATED BUDGET - SECTIONS F-K, BUDGET PERIOD 2

ORGANIZATIONAL DUNS*: 0627616710000

Budget Type*: Project Subaward/Consortium

Enter name of Organization: University of Iowa

Start Date*: 05-01-2017

End Date*: 04-30-2018

Budget Period: 2

F. Other Direct Costs	Funds Requested (\$)*
1. Materials and Supplies	
2. Publication Costs	
3. Consultant Services	
4. ADP/Computer Services	
5. Subawards/Consortium/Contractual Costs	106,920.00
6. Equipment or Facility Rental/User Fees	
7. Alterations and Renovations	
Total Other Direct Costs	106,920.00

G. Direct Costs	Funds Requested (\$)*
Total Direct Costs (A thru F)	207,771.00

H. Indirect Costs			
Indirect Cost Type	Indirect Cost Rate (%)	Indirect Cost Base (\$)	Funds Requested (\$)*
1. on_campus	28.5	100,851.00	28,743.00
Total Indirect Costs			28,743.00
Cognizant Federal Agency		DHHS, Theodore Foster, 214-767-3261	
(Agency Name, POC Name, and POC Phone Number)			

I. Total Direct and Indirect Costs	Funds Requested (\$)*
Total Direct and Indirect Institutional Costs (G + H)	236,514.00

J. Fee	Funds Requested (\$)*

K. Budget Justification*	File Name:
	budget_justificationAccess1021031577.pdf
(Only attach one file.)	

RESEARCH & RELATED Budget {F-K} (Funds Requested)

RESEARCH & RELATED BUDGET - SECTION A & B, BUDGET PERIOD 3

ORGANIZATIONAL DUNS*: 0627616710000

Budget Type*: Project Subaward/Consortium

Enter name of Organization: University of Iowa

Start Date*: 05-01-2018

End Date*: 04-30-2019

Budget Period: 3

A. Senior/Key Person												
Prefix	First Name*	Middle Name	Last Name*	Suffix	Project Role*	Base Salary (\$)	Calendar Months	Academic Months	Summer Months	Requested Salary (\$)*	Fringe Benefits (\$)*	Funds Requested (\$)*
1.	Linda	J	Walton		Project Lead	132,332.00	1.2			0.00	0.00	0.00
Total Funds Requested for all Senior Key Persons in the attached file											0.00	
Additional Senior Key Persons:		File Name:								Total Senior/Key Person		0.00

B. Other Personnel							
Number of Personnel*	Project Role*	Calendar Months	Academic Months	Summer Months	Requested Salary (\$)*	Fringe Benefits*	Funds Requested (\$)*
	Post Doctoral Associates						
	Graduate Students						
	Undergraduate Students						
	Secretarial/Clerical						
1	Network Librarian	12			68,959.00	24,618.00	93,577.00
1	Total Number Other Personnel					Total Other Personnel	93,577.00
Total Salary, Wages and Fringe Benefits (A+B)							93,577.00

RESEARCH & RELATED Budget {A-B} (Funds Requested)

RESEARCH & RELATED BUDGET - SECTION C, D, & E, BUDGET PERIOD 3

ORGANIZATIONAL DUNS*: 0627616710000

Budget Type*: Project Subaward/Consortium

Enter name of Organization: University of Iowa

Start Date*: 05-01-2018

End Date*: 04-30-2019

Budget Period: 3

C. Equipment Description

List items and dollar amount for each item exceeding \$5,000

Equipment Item**Funds Requested (\$)*****Total funds requested for all equipment listed in the attached file****Total Equipment****Additional Equipment:** File Name:**D. Travel****Funds Requested (\$)***

1. Domestic Travel Costs (Incl. Canada, Mexico, and U.S. Possessions)

10,000.00

2. Foreign Travel Costs

Total Travel Cost**10,000.00****E. Participant/Trainee Support Costs****Funds Requested (\$)***

1. Tuition/Fees/Health Insurance

2. Stipends

3. Travel

4. Subsistence

5. Other:

Number of Participants/Trainees**Total Participant Trainee Support Costs**

RESEARCH & RELATED Budget (C-E) (Funds Requested)

RESEARCH & RELATED BUDGET - SECTIONS F-K, BUDGET PERIOD 3**ORGANIZATIONAL DUNS*:** 0627616710000**Budget Type*:** Project Subaward/Consortium**Enter name of Organization:** University of Iowa**Start Date*:** 05-01-2018**End Date*:** 04-30-2019**Budget Period:** 3

F. Other Direct Costs	Funds Requested (\$)*
1. Materials and Supplies	
2. Publication Costs	
3. Consultant Services	
4. ADP/Computer Services	
5. Subawards/Consortium/Contractual Costs	109,100.00
6. Equipment or Facility Rental/User Fees	
7. Alterations and Renovations	
Total Other Direct Costs	109,100.00

G. Direct Costs	Funds Requested (\$)*
Total Direct Costs (A thru F)	212,677.00

H. Indirect Costs			
Indirect Cost Type	Indirect Cost Rate (%)	Indirect Cost Base (\$)	Funds Requested (\$)*
1. on_campus	28.5	103,577.00	29,519.00
Total Indirect Costs			29,519.00
Cognizant Federal Agency		DHHS, Theodore Foster, 214-767-3261	
(Agency Name, POC Name, and POC Phone Number)			

I. Total Direct and Indirect Costs	Funds Requested (\$)*
Total Direct and Indirect Institutional Costs (G + H)	242,196.00

J. Fee	Funds Requested (\$)*

K. Budget Justification*	File Name:
	budget_justificationAccess1021031577.pdf
(Only attach one file.)	

RESEARCH & RELATED Budget {F-K} (Funds Requested)

RESEARCH & RELATED BUDGET - SECTION A & B, BUDGET PERIOD 4

ORGANIZATIONAL DUNS*: 0627616710000

Budget Type*: Project Subaward/Consortium

Enter name of Organization: University of Iowa

Start Date*: 05-01-2019

End Date*: 04-30-2020

Budget Period: 4

A. Senior/Key Person												
Prefix	First Name*	Middle Name	Last Name*	Suffix	Project Role*	Base Salary (\$)	Calendar Months	Academic Months	Summer Months	Requested Salary (\$)*	Fringe Benefits (\$)*	Funds Requested (\$)*
1.	Linda	J	Walton		Project Lead	136,302.00	1.2			0.00	0.00	0.00
Total Funds Requested for all Senior Key Persons in the attached file											0.00	
Additional Senior Key Persons:		File Name:									Total Senior/Key Person	0.00

B. Other Personnel							
Number of Personnel*	Project Role*	Calendar Months	Academic Months	Summer Months	Requested Salary (\$)*	Fringe Benefits*	Funds Requested (\$)*
	Post Doctoral Associates						
	Graduate Students						
	Undergraduate Students						
	Secretarial/Clerical						
1	Network Librarian	12			71,027.00	25,357.00	96,384.00
1	Total Number Other Personnel					Total Other Personnel	96,384.00
						Total Salary, Wages and Fringe Benefits (A+B)	96,384.00

RESEARCH & RELATED Budget {A-B} (Funds Requested)

RESEARCH & RELATED BUDGET - SECTION C, D, & E, BUDGET PERIOD 4

ORGANIZATIONAL DUNS*: 0627616710000

Budget Type*: Project Subaward/Consortium

Enter name of Organization: University of Iowa

Start Date*: 05-01-2019

End Date*: 04-30-2020

Budget Period: 4

C. Equipment Description

List items and dollar amount for each item exceeding \$5,000

Equipment Item**Funds Requested (\$)*****Total funds requested for all equipment listed in the attached file****Total Equipment****Additional Equipment:** File Name:**D. Travel****Funds Requested (\$)***

1. Domestic Travel Costs (Incl. Canada, Mexico, and U.S. Possessions)

10,000.00

2. Foreign Travel Costs

Total Travel Cost**10,000.00****E. Participant/Trainee Support Costs****Funds Requested (\$)***

1. Tuition/Fees/Health Insurance

2. Stipends

3. Travel

4. Subsistence

5. Other:

Number of Participants/Trainees**Total Participant Trainee Support Costs**

RESEARCH & RELATED Budget (C-E) (Funds Requested)

RESEARCH & RELATED BUDGET - SECTIONS F-K, BUDGET PERIOD 4**ORGANIZATIONAL DUNS*:** 0627616710000**Budget Type*:** Project Subaward/Consortium**Enter name of Organization:** University of Iowa**Start Date*:** 05-01-2019**End Date*:** 04-30-2020**Budget Period:** 4

F. Other Direct Costs	Funds Requested (\$)*
1. Materials and Supplies	1,000.00
2. Publication Costs	
3. Consultant Services	
4. ADP/Computer Services	
5. Subawards/Consortium/Contractual Costs	114,200.00
6. Equipment or Facility Rental/User Fees	
7. Alterations and Renovations	
Total Other Direct Costs	115,200.00

G. Direct Costs	Funds Requested (\$)*
Total Direct Costs (A thru F)	221,584.00

H. Indirect Costs			
Indirect Cost Type	Indirect Cost Rate (%)	Indirect Cost Base (\$)	Funds Requested (\$)*
1. on_campus	28.5	107,384.00	30,604.00
Total Indirect Costs			30,604.00
Cognizant Federal Agency		DHHS, Theodore Foster, 214-767-3261	
(Agency Name, POC Name, and POC Phone Number)			

I. Total Direct and Indirect Costs	Funds Requested (\$)*
Total Direct and Indirect Institutional Costs (G + H)	252,188.00

J. Fee	Funds Requested (\$)*
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K. Budget Justification*	File Name:
	budget_justificationAccess1021031577.pdf
(Only attach one file.)	

RESEARCH & RELATED Budget {F-K} (Funds Requested)

RESEARCH & RELATED BUDGET - SECTION A & B, BUDGET PERIOD 5

ORGANIZATIONAL DUNS*: 0627616710000

Budget Type*: Project Subaward/Consortium

Enter name of Organization: University of Iowa

Start Date*: 05-01-2020

End Date*: 04-30-2021

Budget Period: 5

A. Senior/Key Person												
Prefix	First Name*	Middle Name	Last Name*	Suffix	Project Role*	Base Salary (\$)	Calendar Months	Academic Months	Summer Months	Requested Salary (\$)*	Fringe Benefits (\$)*	Funds Requested (\$)*
1.	Linda	J	Walton		Project Lead	140,391.00	1.2			0.00	0.00	0.00
Total Funds Requested for all Senior Key Persons in the attached file											0.00	
Additional Senior Key Persons:		File Name:								Total Senior/Key Person		0.00

B. Other Personnel							
Number of Personnel*	Project Role*	Calendar Months	Academic Months	Summer Months	Requested Salary (\$)*	Fringe Benefits*	Funds Requested (\$)*
	Post Doctoral Associates						
	Graduate Students						
	Undergraduate Students						
	Secretarial/Clerical						
1	Network Librarian	12			73,158.00	26,117.00	99,275.00
1	Total Number Other Personnel					Total Other Personnel	99,275.00
Total Salary, Wages and Fringe Benefits (A+B)							99,275.00

RESEARCH & RELATED Budget {A-B} (Funds Requested)

RESEARCH & RELATED BUDGET - SECTION C, D, & E, BUDGET PERIOD 5

ORGANIZATIONAL DUNS*: 0627616710000

Budget Type*: Project Subaward/Consortium

Enter name of Organization: University of Iowa

Start Date*: 05-01-2020

End Date*: 04-30-2021

Budget Period: 5

C. Equipment Description

List items and dollar amount for each item exceeding \$5,000

Equipment Item	Funds Requested (\$)*
-----------------------	------------------------------

Total funds requested for all equipment listed in the attached file**Total Equipment****Additional Equipment:** File Name:**D. Travel****Funds Requested (\$)***

1. Domestic Travel Costs (Incl. Canada, Mexico, and U.S. Possessions)

10,000.00

2. Foreign Travel Costs

Total Travel Cost**10,000.00****E. Participant/Trainee Support Costs****Funds Requested (\$)***

1. Tuition/Fees/Health Insurance

2. Stipends

3. Travel

4. Subsistence

5. Other:

Number of Participants/Trainees**Total Participant Trainee Support Costs**

RESEARCH & RELATED Budget (C-E) (Funds Requested)

RESEARCH & RELATED BUDGET - SECTIONS F-K, BUDGET PERIOD 5**ORGANIZATIONAL DUNS*:** 0627616710000**Budget Type*:** Project Subaward/Consortium**Enter name of Organization:** University of Iowa**Start Date*:** 05-01-2020**End Date*:** 04-30-2021**Budget Period:** 5

F. Other Direct Costs	Funds Requested (\$)*
1. Materials and Supplies	
2. Publication Costs	
3. Consultant Services	
4. ADP/Computer Services	
5. Subawards/Consortium/Contractual Costs	114,300.00
6. Equipment or Facility Rental/User Fees	
7. Alterations and Renovations	
Total Other Direct Costs	114,300.00

G. Direct Costs	Funds Requested (\$)*
Total Direct Costs (A thru F)	223,575.00

H. Indirect Costs			
Indirect Cost Type	Indirect Cost Rate (%)	Indirect Cost Base (\$)	Funds Requested (\$)*
1. on_campus	28.5	109,275.00	31,143.00
Total Indirect Costs			31,143.00
Cognizant Federal Agency		DHHS, Theodore Foster, 214-767-3261	
(Agency Name, POC Name, and POC Phone Number)			

I. Total Direct and Indirect Costs	Funds Requested (\$)*
Total Direct and Indirect Institutional Costs (G + H)	254,718.00

J. Fee	Funds Requested (\$)*

K. Budget Justification*	File Name:
	budget_justificationAccess1021031577.pdf
(Only attach one file.)	

RESEARCH & RELATED Budget {F-K} (Funds Requested)

NN/LM Greater Midwest Region (3)**Budget Justification-Access to Biomedical and Health Information Core****Year 1 May 1, 2016-April 30, 2017**

Personnel = \$105,168

PI/Director

10% time for the PI/Director is requested to set up the new Access to Biomedical and Health Information Core. Linda Walton has experience establishing a new RML office, hiring staff, and working with both the National Library of Medicine and the University of Iowa Sponsored Programs. After year 1 her time will be contributed. Fringe Benefits Rate 35.7%.

Network Librarian

100% time is requested for a Network Librarian to develop and implement the various network programs and services required to be a successful RML. This position will manage all aspects of document delivery serving as liaison to the NDCO and supporting network members with document deliver access through DOCLINE and Loansome Doc. This position is responsible for recruiting new network members and assisting them with managing their profiles. The position will oversee the data on document delivery by Resource Libraries and troubleshoot any problems. The position will manage the MedPrint Program for the Region. This position will serve as liaison to the Data Management Education Center for routine program questions regarding network members. Fringe Benefit rate of 35.7 %.

Travel = \$10,000

The travel budget will cover:

Network Librarian attendance at the Pre-MLA annual NN/LM meeting

National meetings are estimated at \$1200 per person including transportation, per diem and hotel. Rates are based on the University of Iowa policies.

Network Librarian to attend annual MLA Midwest Chapter meeting

Network Librarian to attend state library meetings

Regional and State meetings are estimated at \$750 per person including transportation, per diem and hotel.

Materials and Supplies = \$2,900

Establishing a new RML will require a computer, notebook computer, and I-Pad for the network librarian. The University of Iowa has a contract with Dell and all computer supplies will be bought at the contracted educational rate.

Subawards = \$124,000

We are pleased to say that the Taubman Health Sciences Library at the University of Michigan has agreed to establish the first GMR Data Management Education Center. The first year of the subaward

will be **\$124,000** to cover personnel, travel, and supplies. The subaward will be for the 5 years of the grant. A budget and plan are included in the proposal.

Indirect Cost Expenses

The University of Iowa has negotiated an F & A Cost Rate of 28.5 % for “other” projects. Allocated IDC Base calculated on 1st. \$25,000 of subaward.

RESEARCH & RELATED BUDGET - Cumulative Budget

	Totals (\$)	
Section A, Senior/Key Person		16,963.00
Section B, Other Personnel		468,292.00
Total Number Other Personnel	5	
Total Salary, Wages and Fringe Benefits (A+B)		485,255.00
Section C, Equipment		
Section D, Travel		50,000.00
1. Domestic	50,000.00	
2. Foreign		
Section E, Participant/Trainee Support Costs		
1. Tuition/Fees/Health Insurance		
2. Stipends		
3. Travel		
4. Subsistence		
5. Other		
6. Number of Participants/Trainees		
Section F, Other Direct Costs		572,420.00
1. Materials and Supplies	3,900.00	
2. Publication Costs		
3. Consultant Services		
4. ADP/Computer Services		
5. Subawards/Consortium/Contractual Costs	568,520.00	
6. Equipment or Facility Rental/User Fees		
7. Alterations and Renovations		
8. Other 1		
9. Other 2		
10. Other 3		
Section G, Direct Costs (A thru F)		1,107,675.00
Section H, Indirect Costs		160,783.00
Section I, Total Direct and Indirect Costs (G + H)		1,268,458.00
Section J, Fee		

RESEARCH & RELATED BUDGET - SECTION A & B, BUDGET PERIOD 1

ORGANIZATIONAL DUNS*: 073133571

Budget Type*: Project Subaward/Consortium

Enter name of Organization: University of Michigan

Start Date*: 05-01-2016

End Date*: 04-30-2017

Budget Period: 1

A. Senior/Key Person												
Prefix	First Name*	Middle Name	Last Name*	Suffix	Project Role*	Base Salary (\$)	Calendar Months	Academic Months	Summer Months	Requested Salary (\$)*	Fringe Benefits (\$)*	Funds Requested (\$)*
1.	Jane		Blumenthal		Director	0.00	12			0.00	0.00	0.00
Total Funds Requested for all Senior Key Persons in the attached file											0.00	
Additional Senior Key Persons:		File Name:								Total Senior/Key Person	0.00	

B. Other Personnel							
Number of Personnel*	Project Role*	Calendar Months	Academic Months	Summer Months	Requested Salary (\$)*	Fringe Benefits*	Funds Requested (\$)*
	Post Doctoral Associates						
	Graduate Students						
	Undergraduate Students						
	Secretarial/Clerical						
1	THL Informationist	3			26,000.00	0.00	26,000.00
1	DMEC Informationist	12			91,000.00	0.00	91,000.00
2	Total Number Other Personnel					Total Other Personnel	117,000.00
						Total Salary, Wages and Fringe Benefits (A+B)	117,000.00

RESEARCH & RELATED Budget {A-B} (Funds Requested)

RESEARCH & RELATED BUDGET - SECTION C, D, & E, BUDGET PERIOD 1

ORGANIZATIONAL DUNS*: 073133571

Budget Type*: Project Subaward/Consortium

Enter name of Organization: University of Michigan

Start Date*: 05-01-2016

End Date*: 04-30-2017

Budget Period: 1

C. Equipment Description

List items and dollar amount for each item exceeding \$5,000

Equipment Item**Funds Requested (\$)*****Total funds requested for all equipment listed in the attached file****Total Equipment****Additional Equipment:** File Name:**D. Travel****Funds Requested (\$)***

1. Domestic Travel Costs (Incl. Canada, Mexico, and U.S. Possessions)

3,000.00

2. Foreign Travel Costs

Total Travel Cost**3,000.00****E. Participant/Trainee Support Costs****Funds Requested (\$)***

1. Tuition/Fees/Health Insurance

2. Stipends

3. Travel

4. Subsistence

5. Other:

Number of Participants/Trainees**Total Participant Trainee Support Costs**

RESEARCH & RELATED Budget (C-E) (Funds Requested)

RESEARCH & RELATED BUDGET - SECTIONS F-K, BUDGET PERIOD 1**ORGANIZATIONAL DUNS*:** 073133571**Budget Type*:** Project Subaward/Consortium**Enter name of Organization:** University of Michigan**Start Date*:** 05-01-2016**End Date*:** 04-30-2017**Budget Period:** 1

F. Other Direct Costs	Funds Requested (\$)*
1. Materials and Supplies	4,000.00
2. Publication Costs	
3. Consultant Services	
4. ADP/Computer Services	
5. Subawards/Consortium/Contractual Costs	
6. Equipment or Facility Rental/User Fees	
7. Alterations and Renovations	
Total Other Direct Costs	4,000.00

G. Direct Costs	Funds Requested (\$)*
Total Direct Costs (A thru F)	124,000.00

H. Indirect Costs			
Indirect Cost Type	Indirect Cost Rate (%)	Indirect Cost Base (\$)	Funds Requested (\$)*
Total Indirect Costs			
Cognizant Federal Agency			
(Agency Name, POC Name, and POC Phone Number)			

I. Total Direct and Indirect Costs	Funds Requested (\$)*
Total Direct and Indirect Institutional Costs (G + H)	124,000.00

J. Fee	Funds Requested (\$)*

K. Budget Justification*	File Name:
	DMEC1021031401.pdf
	(Only attach one file.)

RESEARCH & RELATED Budget (F-K) (Funds Requested)

RESEARCH & RELATED BUDGET - SECTION A & B, BUDGET PERIOD 2

ORGANIZATIONAL DUNS*: 073133571

Budget Type*: Project Subaward/Consortium

Enter name of Organization: University of Michigan

Start Date*: 05-01-2017

End Date*: 04-30-2018

Budget Period: 2

A. Senior/Key Person												
Prefix	First Name*	Middle Name	Last Name*	Suffix	Project Role*	Base Salary (\$)	Calendar Months	Academic Months	Summer Months	Requested Salary (\$)*	Fringe Benefits (\$)*	Funds Requested (\$)*
1.	Jane		Blumenthal		Director	0.00	12			0.00	0.00	0.00
Total Funds Requested for all Senior Key Persons in the attached file											0.00	
Additional Senior Key Persons:		File Name:								Total Senior/Key Person		0.00

B. Other Personnel							
Number of Personnel*	Project Role*	Calendar Months	Academic Months	Summer Months	Requested Salary (\$)*	Fringe Benefits*	Funds Requested (\$)*
	Post Doctoral Associates						
	Graduate Students						
	Undergraduate Students						
	Secretarial/Clerical						
1	THL Informationist	1			10,600.00	0.00	10,600.00
1	DMEC Informationist	12			92,820.00	0.00	92,820.00
2	Total Number Other Personnel					Total Other Personnel	103,420.00
						Total Salary, Wages and Fringe Benefits (A+B)	103,420.00

RESEARCH & RELATED Budget {A-B} (Funds Requested)

RESEARCH & RELATED BUDGET - SECTION C, D, & E, BUDGET PERIOD 2

ORGANIZATIONAL DUNS*: 073133571

Budget Type*: Project Subaward/Consortium

Enter name of Organization: University of Michigan

Start Date*: 05-01-2017

End Date*: 04-30-2018

Budget Period: 2

C. Equipment Description

List items and dollar amount for each item exceeding \$5,000

Equipment Item	Funds Requested (\$)*
-----------------------	------------------------------

Total funds requested for all equipment listed in the attached file**Total Equipment****Additional Equipment:** File Name:**D. Travel****Funds Requested (\$)***

1. Domestic Travel Costs (Incl. Canada, Mexico, and U.S. Possessions)

3,000.00

2. Foreign Travel Costs

Total Travel Cost**3,000.00****E. Participant/Trainee Support Costs****Funds Requested (\$)***

1. Tuition/Fees/Health Insurance

2. Stipends

3. Travel

4. Subsistence

5. Other:

Number of Participants/Trainees**Total Participant Trainee Support Costs**

RESEARCH & RELATED Budget (C-E) (Funds Requested)

RESEARCH & RELATED BUDGET - SECTIONS F-K, BUDGET PERIOD 2

ORGANIZATIONAL DUNS*: 073133571

Budget Type*: Project Subaward/Consortium

Enter name of Organization: University of Michigan

Start Date*: 05-01-2017

End Date*: 04-30-2018

Budget Period: 2

F. Other Direct Costs	Funds Requested (\$)*
1. Materials and Supplies	500.00
2. Publication Costs	
3. Consultant Services	
4. ADP/Computer Services	
5. Subawards/Consortium/Contractual Costs	
6. Equipment or Facility Rental/User Fees	
7. Alterations and Renovations	
Total Other Direct Costs	500.00

G. Direct Costs	Funds Requested (\$)*
Total Direct Costs (A thru F)	106,920.00

H. Indirect Costs			
Indirect Cost Type	Indirect Cost Rate (%)	Indirect Cost Base (\$)	Funds Requested (\$)*
Total Indirect Costs			
Cognizant Federal Agency			
(Agency Name, POC Name, and POC Phone Number)			

I. Total Direct and Indirect Costs	Funds Requested (\$)*
Total Direct and Indirect Institutional Costs (G + H)	106,920.00

J. Fee	Funds Requested (\$)*

K. Budget Justification*	File Name: DMEC1021031401.pdf
	(Only attach one file.)

RESEARCH & RELATED Budget (F-K) (Funds Requested)

RESEARCH & RELATED BUDGET - SECTION A & B, BUDGET PERIOD 3

ORGANIZATIONAL DUNS*: 073133571

Budget Type*: Project Subaward/Consortium

Enter name of Organization: University of Michigan

Start Date*: 05-01-2018

End Date*: 04-30-2019

Budget Period: 3

A. Senior/Key Person												
Prefix	First Name*	Middle Name	Last Name*	Suffix	Project Role*	Base Salary (\$)	Calendar Months	Academic Months	Summer Months	Requested Salary (\$)*	Fringe Benefits (\$)*	Funds Requested (\$)*
1.	Jane		Blumenthal		Director	0.00	12			0.00	0.00	0.00
Total Funds Requested for all Senior Key Persons in the attached file											0.00	
Additional Senior Key Persons:		File Name:									Total Senior/Key Person	0.00

B. Other Personnel							
Number of Personnel*	Project Role*	Calendar Months	Academic Months	Summer Months	Requested Salary (\$)*	Fringe Benefits*	Funds Requested (\$)*
	Post Doctoral Associates						
	Graduate Students						
	Undergraduate Students						
	Secretarial/Clerical						
1	THL Informationist	1			10,900.00	0.00	10,900.00
1	DMEC Informationist	12			94,700.00	0.00	94,700.00
2	Total Number Other Personnel					Total Other Personnel	105,600.00
						Total Salary, Wages and Fringe Benefits (A+B)	105,600.00

RESEARCH & RELATED Budget {A-B} (Funds Requested)

RESEARCH & RELATED BUDGET - SECTION C, D, & E, BUDGET PERIOD 3

ORGANIZATIONAL DUNS*: 073133571

Budget Type*: Project Subaward/Consortium

Enter name of Organization: University of Michigan

Start Date*: 05-01-2018

End Date*: 04-30-2019

Budget Period: 3

C. Equipment Description

List items and dollar amount for each item exceeding \$5,000

Equipment Item	Funds Requested (\$)*
-----------------------	------------------------------

Total funds requested for all equipment listed in the attached file**Total Equipment****Additional Equipment:** File Name:**D. Travel****Funds Requested (\$)***

1. Domestic Travel Costs (Incl. Canada, Mexico, and U.S. Possessions)

3,000.00

2. Foreign Travel Costs

Total Travel Cost**3,000.00****E. Participant/Trainee Support Costs****Funds Requested (\$)***

1. Tuition/Fees/Health Insurance

2. Stipends

3. Travel

4. Subsistence

5. Other:

Number of Participants/Trainees**Total Participant Trainee Support Costs**

RESEARCH & RELATED Budget (C-E) (Funds Requested)

RESEARCH & RELATED BUDGET - SECTIONS F-K, BUDGET PERIOD 3**ORGANIZATIONAL DUNS*:** 073133571**Budget Type*:** Project Subaward/Consortium**Enter name of Organization:** University of Michigan**Start Date*:** 05-01-2018**End Date*:** 04-30-2019**Budget Period:** 3

F. Other Direct Costs	Funds Requested (\$)*
1. Materials and Supplies	500.00
2. Publication Costs	
3. Consultant Services	
4. ADP/Computer Services	
5. Subawards/Consortium/Contractual Costs	
6. Equipment or Facility Rental/User Fees	
7. Alterations and Renovations	
Total Other Direct Costs	500.00

G. Direct Costs	Funds Requested (\$)*
Total Direct Costs (A thru F)	109,100.00

H. Indirect Costs			
Indirect Cost Type	Indirect Cost Rate (%)	Indirect Cost Base (\$)	Funds Requested (\$)*
Total Indirect Costs			
Cognizant Federal Agency			
(Agency Name, POC Name, and POC Phone Number)			

I. Total Direct and Indirect Costs	Funds Requested (\$)*
Total Direct and Indirect Institutional Costs (G + H)	109,100.00

J. Fee	Funds Requested (\$)*

K. Budget Justification*	File Name: DMEC1021031401.pdf
	(Only attach one file.)

RESEARCH & RELATED Budget (F-K) (Funds Requested)

RESEARCH & RELATED BUDGET - SECTION A & B, BUDGET PERIOD 4

ORGANIZATIONAL DUNS*: 073133571

Budget Type*: Project Subaward/Consortium

Enter name of Organization: University of Michigan

Start Date*: 05-01-2019

End Date*: 04-30-2020

Budget Period: 4

A. Senior/Key Person												
Prefix	First Name*	Middle Name	Last Name*	Suffix	Project Role*	Base Salary (\$)	Calendar Months	Academic Months	Summer Months	Requested Salary (\$)*	Fringe Benefits (\$)*	Funds Requested (\$)*
1.	Jane		Blumenthal		Director	0.00	12			0.00	0.00	0.00
Total Funds Requested for all Senior Key Persons in the attached file											0.00	
Additional Senior Key Persons:		File Name:								Total Senior/Key Person		0.00

B. Other Personnel							
Number of Personnel*	Project Role*	Calendar Months	Academic Months	Summer Months	Requested Salary (\$)*	Fringe Benefits*	Funds Requested (\$)*
	Post Doctoral Associates						
	Graduate Students						
	Undergraduate Students						
	Secretarial/Clerical						
1	THL Informationist	1			11,100.00	0.00	11,100.00
1	DMEC Informationist	12			96,600.00	0.00	96,600.00
2	Total Number Other Personnel					Total Other Personnel	107,700.00
						Total Salary, Wages and Fringe Benefits (A+B)	107,700.00

RESEARCH & RELATED Budget {A-B} (Funds Requested)

RESEARCH & RELATED BUDGET - SECTION C, D, & E, BUDGET PERIOD 4

ORGANIZATIONAL DUNS*: 073133571

Budget Type*: Project Subaward/Consortium

Enter name of Organization: University of Michigan

Start Date*: 05-01-2019

End Date*: 04-30-2020

Budget Period: 4

C. Equipment Description

List items and dollar amount for each item exceeding \$5,000

Equipment Item	Funds Requested (\$)*
-----------------------	------------------------------

Total funds requested for all equipment listed in the attached file**Total Equipment****Additional Equipment:** File Name:**D. Travel****Funds Requested (\$)***

1. Domestic Travel Costs (Incl. Canada, Mexico, and U.S. Possessions)

3,000.00

2. Foreign Travel Costs

Total Travel Cost**3,000.00****E. Participant/Trainee Support Costs****Funds Requested (\$)***

1. Tuition/Fees/Health Insurance

2. Stipends

3. Travel

4. Subsistence

5. Other:

Number of Participants/Trainees**Total Participant Trainee Support Costs**

RESEARCH & RELATED Budget (C-E) (Funds Requested)

RESEARCH & RELATED BUDGET - SECTIONS F-K, BUDGET PERIOD 4**ORGANIZATIONAL DUNS*:** 073133571**Budget Type*:** Project Subaward/Consortium**Enter name of Organization:** University of Michigan**Start Date*:** 05-01-2019**End Date*:** 04-30-2020**Budget Period:** 4

F. Other Direct Costs	Funds Requested (\$)*
1. Materials and Supplies	3,500.00
2. Publication Costs	
3. Consultant Services	
4. ADP/Computer Services	
5. Subawards/Consortium/Contractual Costs	
6. Equipment or Facility Rental/User Fees	
7. Alterations and Renovations	
Total Other Direct Costs	3,500.00

G. Direct Costs	Funds Requested (\$)*
Total Direct Costs (A thru F)	114,200.00

H. Indirect Costs			
Indirect Cost Type	Indirect Cost Rate (%)	Indirect Cost Base (\$)	Funds Requested (\$)*
Total Indirect Costs			
Cognizant Federal Agency			
(Agency Name, POC Name, and POC Phone Number)			

I. Total Direct and Indirect Costs	Funds Requested (\$)*
Total Direct and Indirect Institutional Costs (G + H)	114,200.00

J. Fee	Funds Requested (\$)*

K. Budget Justification*	File Name: DMEC1021031401.pdf
	(Only attach one file.)

RESEARCH & RELATED Budget (F-K) (Funds Requested)

RESEARCH & RELATED BUDGET - SECTION A & B, BUDGET PERIOD 5

ORGANIZATIONAL DUNS*: 073133571

Budget Type*: Project Subaward/Consortium

Enter name of Organization: University of Michigan

Start Date*: 05-01-2020

End Date*: 04-30-2021

Budget Period: 5

A. Senior/Key Person												
Prefix	First Name*	Middle Name	Last Name*	Suffix	Project Role*	Base Salary (\$)	Calendar Months	Academic Months	Summer Months	Requested Salary (\$)*	Fringe Benefits (\$)*	Funds Requested (\$)*
1.	Jane		Blumenthal		Director	0.00	12			0.00	0.00	0.00
Total Funds Requested for all Senior Key Persons in the attached file											0.00	
Additional Senior Key Persons:		File Name:								Total Senior/Key Person		0.00

B. Other Personnel							
Number of Personnel*	Project Role*	Calendar Months	Academic Months	Summer Months	Requested Salary (\$)*	Fringe Benefits*	Funds Requested (\$)*
	Post Doctoral Associates						
	Graduate Students						
	Undergraduate Students						
	Secretarial/Clerical						
1	THL Informationist	1			11,300.00	0.00	11,300.00
1	DMEC Informationist	12			98,500.00	0.00	98,500.00
2	Total Number Other Personnel					Total Other Personnel	109,800.00
						Total Salary, Wages and Fringe Benefits (A+B)	109,800.00

RESEARCH & RELATED Budget {A-B} (Funds Requested)

RESEARCH & RELATED BUDGET - SECTION C, D, & E, BUDGET PERIOD 5

ORGANIZATIONAL DUNS*: 073133571

Budget Type*: Project Subaward/Consortium

Enter name of Organization: University of Michigan

Start Date*: 05-01-2020

End Date*: 04-30-2021

Budget Period: 5

C. Equipment Description

List items and dollar amount for each item exceeding \$5,000

Equipment Item**Funds Requested (\$)*****Total funds requested for all equipment listed in the attached file****Total Equipment****Additional Equipment:** File Name:**D. Travel****Funds Requested (\$)***

1. Domestic Travel Costs (Incl. Canada, Mexico, and U.S. Possessions)

4,000.00

2. Foreign Travel Costs

Total Travel Cost**4,000.00****E. Participant/Trainee Support Costs****Funds Requested (\$)***

1. Tuition/Fees/Health Insurance

2. Stipends

3. Travel

4. Subsistence

5. Other:

Number of Participants/Trainees**Total Participant Trainee Support Costs**

RESEARCH & RELATED Budget (C-E) (Funds Requested)

RESEARCH & RELATED BUDGET - SECTIONS F-K, BUDGET PERIOD 5**ORGANIZATIONAL DUNS*:** 073133571**Budget Type*:** Project Subaward/Consortium**Enter name of Organization:** University of Michigan**Start Date*:** 05-01-2020**End Date*:** 04-30-2021**Budget Period:** 5

F. Other Direct Costs	Funds Requested (\$)*
1. Materials and Supplies	500.00
2. Publication Costs	
3. Consultant Services	
4. ADP/Computer Services	
5. Subawards/Consortium/Contractual Costs	
6. Equipment or Facility Rental/User Fees	
7. Alterations and Renovations	
Total Other Direct Costs	500.00

G. Direct Costs	Funds Requested (\$)*
Total Direct Costs (A thru F)	114,300.00

H. Indirect Costs			
Indirect Cost Type	Indirect Cost Rate (%)	Indirect Cost Base (\$)	Funds Requested (\$)*
Total Indirect Costs			
Cognizant Federal Agency			
(Agency Name, POC Name, and POC Phone Number)			

I. Total Direct and Indirect Costs	Funds Requested (\$)*
Total Direct and Indirect Institutional Costs (G + H)	114,300.00

J. Fee	Funds Requested (\$)*

K. Budget Justification*	File Name:
	DMEC1021031401.pdf
	(Only attach one file.)

RESEARCH & RELATED Budget (F-K) (Funds Requested)

*Includes both salary and benefits

Year 1 .25 FTE; Years 2-5 .10 FTE

Base 2% salary increase per year; exceptional performance could result in 3% - 5%

** Attendance at state meetings of librarians and/or health professionals in addition to exhibiting and online sessions; also travel to present at conferences

*** Replacement cycle

Equipment broadly covers computers, peripherals, and software

RESEARCH & RELATED BUDGET - Cumulative Budget

	Totals (\$)	
Section A, Senior/Key Person		0.00
Section B, Other Personnel		543,520.00
Total Number Other Personnel	10	
Total Salary, Wages and Fringe Benefits (A+B)		543,520.00
Section C, Equipment		
Section D, Travel		16,000.00
1. Domestic	16,000.00	
2. Foreign		
Section E, Participant/Trainee Support Costs		
1. Tuition/Fees/Health Insurance		
2. Stipends		
3. Travel		
4. Subsistence		
5. Other		
6. Number of Participants/Trainees		
Section F, Other Direct Costs		9,000.00
1. Materials and Supplies	9,000.00	
2. Publication Costs		
3. Consultant Services		
4. ADP/Computer Services		
5. Subawards/Consortium/Contractual Costs		
6. Equipment or Facility Rental/User Fees		
7. Alterations and Renovations		
8. Other 1		
9. Other 2		
10. Other 3		
Section G, Direct Costs (A thru F)		568,520.00
Section H, Indirect Costs		
Section I, Total Direct and Indirect Costs (G + H)		568,520.00
Section J, Fee		

PHS 398 Cover Page Supplement

OMB Number: 0925-0001

1. Project Director / Principal Investigator (PD/PI)

Prefix:

First Name*: Linda

Middle Name: J

Last Name*: Walton

Suffix:

2. Human Subjects

Clinical Trial? No Yes

Agency-Defined Phase III Clinical Trial?* No Yes

3. Permission Statement*

If this application does not result in an award, is the Government permitted to disclose the title of your proposed project, and the name, address, telephone number and e-mail address of the official signing for the applicant organization, to organizations that may be interested in contacting you for further information (e.g., possible collaborations, investment)?

Yes No

4. Program Income*

Is program income anticipated during the periods for which the grant support is requested? Yes No

If you checked "yes" above (indicating that program income is anticipated), then use the format below to reflect the amount and source(s). Otherwise, leave this section blank.

Budget Period*	Anticipated Amount (\$)*	Source(s)*
.....
.....
.....
.....
.....

PHS 398 Cover Page Supplement

5. Human Embryonic Stem Cells

Does the proposed project involve human embryonic stem cells?* No Yes

If the proposed project involves human embryonic stem cells, list below the registration number of the specific cell line(s) from the following list: http://grants.nih.gov/stem_cells/registry/current.htm. Or, if a specific stem cell line cannot be referenced at this time, please check the box indicating that one from the registry will be used:

Cell Line(s): Specific stem cell line cannot be referenced at this time. One from the registry will be used.

6. Inventions and Patents (For renewal applications only)

Inventions and Patents*: Yes No

If the answer is "Yes" then please answer the following:

Previously Reported*: Yes No

7. Change of Investigator / Change of Institution Questions

Change of principal investigator / program director

Name of former principal investigator / program director:

Prefix:

First Name*:

Middle Name:

Last Name*:

Suffix:

Change of Grantee Institution

Name of former institution*:

PHS 398 Research Plan

Please attach applicable sections of the research plan, below.

OMB Number: 0925-0001

1. Introduction to Application (for RESUBMISSION or REVISION only)	
2. Specific Aims	Biomedical_Access1021031526.pdf
3. Research Strategy*	Access_to_Biomedical_Core_KA_2__3_1021031527.pdf
4. Progress Report Publication List	
Human Subjects Sections	
5. Protection of Human Subjects	
6. Inclusion of Women and Minorities	
7. Inclusion of Children	
Other Research Plan Sections	
8. Vertebrate Animals	
9. Select Agent Research	
10. Multiple PD/PI Leadership Plan	
11. Consortium/Contractual Arrangements	
12. Letters of Support	
13. Resource Sharing Plan(s)	
Appendix (if applicable)	
14. Appendix	

AIM 5: The GMR staff will increase the number of network members actively and effectively participating in NLM programs and services within the GMR, ensuring that a variety of users have equal access to quality biomedical and health information over the five years of the grant.

AIM 6: The GMR staff will provide a Data Management Education Center (DMEC) for network members to increase the number of network librarians skilled in supporting health researchers with data management throughout the data life cycle during the five years of the award.

Access to Biomedical and Health Information Core

AIM 5: The GMR staff will increase the number of network members actively and effectively participating in NLM programs and services within the GMR, ensuring that a variety of users have equal access to quality biomedical and health information over the five years of the grant.

Access to biomedical and health information for all health professionals and consumers in the region will be a priority for the GMR. The Network Librarian will work with the Network Membership Workgroup to establish priorities for working with new network members to expand NLM programs and services in the Region including Resource Libraries, general membership, DOCLINE, Loansome Doc, MedlinePlus, Resource Libraries and Outreach Libraries, and MedPrint.

The RML will actively partner with the NDCO to implement the NN/LM Document Delivery and Interlibrary Loan Plan. This work involves identifying network members willing to serve as Resource Libraries and encouraging other existing or new network members to become involved in resource sharing so that all health professionals have equal access to needed biomedical and health information regardless of their location or affiliation. The GMR will identify network members interested in providing feedback and analysis to the NDCO regarding DOCLINE and any new features being developed. Additionally, available DOCLINE training on topics such as LINKOUT, routing tables, electronic article delivery, and EFTS will be widely promoted.

The RML will participate in DOCLINE, provide Loansome Doc services for health professionals, provide reference and research consultation assistance to health professionals, and provide consumer health information for the general public throughout the Region, should the health professional or consumer not be able to find a partner library within their community.

The current Resource Libraries in the GMR will be asked to continue to serve as Resource Libraries, as they have large or unique health sciences collections. An invitation to the Libraries will be sent out with a memorandum of understanding (MOU) that explains the qualifications and the role of the Resource Library. Resource Libraries must participate in DOCLINE and provide reference and research consultation to health professionals. They are encouraged to participate in Loansome Doc and to provide consumer health information access, when possible. This approach ensures that any health professional unaffiliated with a health sciences library in the Region has access to needed biomedical and health information.

Resource Library
Illinois:
American Dental Association - Department of Library Services
Loyola University - Health Sciences Library
Midwestern University - University Library
Northwestern University Galter Health Sciences Library

Rosalind Franklin University of Medicine and Science - Boxer Library
Rush University Medical Center Library
Southern Illinois University - School of Medicine Medical Library
University of Chicago - John Crerar Library
University of Illinois at Chicago - Library of the Health Sciences
Indiana:
Indiana University School of Medicine - Ruth Lilly Medical Library
Iowa:
Des Moines University - Osteopathic Medical Center Library
University of Iowa - Hardin Library for the Health Sciences
Kentucky:
University of Kentucky - Medical Center Library
University of Louisville - Kornhauser Health Sciences Library
Michigan:
Michigan State University - University Library
University of Michigan - Alfred Taubman Medical Library
Wayne State University - Vera P. Shiffman Medical Library
Minnesota:
Mayo Foundation - Mayo Clinic Library
University of Minnesota (Twin Cities) - Bio-Medical Library
North Dakota:
University of North Dakota - Harley E. French Library of the Health Sciences
Ohio:
Case Western Reserve University - Cleveland Health Sciences Library
Cleveland Clinic Alumni Library
Northeast Ohio Medical University - Ocasek Medical Library
Ohio State University - John A. Prior Health Sciences Library
Ohio University - University Libraries
State Library of Ohio
University of Cincinnati - Medical Center Libraries
University of Toledo - Mulford Health Sciences Library
Wright State University - Paul Laurence Dunbar Library
South Dakota:
University of South Dakota - University Libraries
Wisconsin:
Medical College of Wisconsin - Todd Wehr Library
University of Wisconsin-Madison - Ebling Library

The GMR Network Librarian will work closely with the NDCO to determine library fill-rates through DOCLINE for Resource Libraries. Libraries identified as not meeting the baseline criteria for filling requests or turning requests around in a timely manner will be contacted to help identify the problem and implement solutions such as updating holdings or routing tables. Working with the NDCO and member libraries, the Network Librarian will support members in determining their best option for electronic document delivery.

For many years, the GMR has had self-identified Outreach Libraries from within the pool of Resource Libraries. In addition to the services of a Resource Library, they also provide Loansome Doc for unaffiliated health professionals, assist the GMR with identifying underserved communities in their state, and provide community outreach to

health professionals, consumers, and librarians through exhibiting and instruction. Traditionally, Outreach Libraries in the GMR have received an annual stipend to provide these services totaling \$80,000 per year.

An assessment of the success of Outreach Libraries over the past five or ten years will be done, based on data available. The GMR will work closely with the NEO to determine the assessment measures and outcomes. Based on the findings, if it is determined that Outreach Libraries are an essential part of the GMR program, criteria will be clarified for the responsibilities of an Outreach Library and stipends may vary depending on which services an Outreach Library agrees to provide.

Non-Resource Libraries will be encouraged to participate in both DOCLINE and Loansome Doc. The Network Librarian will research the GMR Network database to identify members not participating in NLM targeted programs and contact them to see if there is assistance needed in enrolling in programs such as DOCLINE, Loansome Doc, and supporting consumer health. If interested in participating, every effort will be made to assist the library including telephone support, a site visit, if requested and appropriate, and referring the library to the NDCO for support and training on DOCLINE and its related tools. Changes in service will be updated in the membership database.

All DOCLINE libraries will be encouraged to participate in the EFTS program for managing DOCLINE fees between institutions. Additionally, the GMR libraries have a history of resource sharing between each other, often due to other consortia agreements such as the Committee on Institutional Cooperation (CIC), which is comprised of the Big Ten universities and the University of Chicago. Other consortia agreements exist within states, within hospital networks, and between libraries affiliated with the same institution. All agreements will be honored and members will be encouraged to participate and share resources when possible, helping to efficiently move documents between institutions to enhance medical care and research.

All DOCLINE-participating network members that have consumer health collections or that support consumer health information services will be encouraged to indicate this in their DOCLINE registration. Data from the DOCLINE registration will be transferred to the MedlinePlus consumer health library Web page to assist users in finding a library in their community that supports consumer health.

For those members not participating in DOCLINE or Loansome Doc, the Network Librarian will gather data on why the library is not participating, usually through a phone call. The Network Librarian will work with the NEO to develop relevant and useful questions. This data will be compiled with some analysis into a report to be submitted to the NNCO and the NNDCO so that possible solutions may be identified to improve participation of network members, thereby increasing the access to biomedical information for all health professionals within the Region and the entire NN/LM.

Other Network libraries include hospital and consumer health libraries, general academic libraries, community college libraries, and other libraries that provide health

information services, including public, state, and tribal libraries. These libraries provide services to their institutions such as document delivery through DOCLINE and in-house instruction on NLM products and services. In many cases, these libraries provide access to biomedical and health information beyond their own institutions through a variety of subawards in areas such as technology, consumer health, and exhibiting.

Community Organizations in the Network include local or regional organizations, agencies, or groups that provide community members with health information service or programming. Examples include, but are not limited to, Indian Health Boards, parish nurse ministries, consumer health advocacy groups, community technology centers, and public health clinics. These network members will be encouraged to collaborate or partner with a health sciences library to provide access to biomedical information through resources such as Loansome Doc or training on NLM resources. If there is not a library within their community, the RML will serve as their library, providing Loansome Doc, instruction, and reference and research consultation. Additionally, all unaffiliated health professionals will be made aware of open access resources such as PubMed Central, which will increase the efficiency of obtaining information before turning to Loansome Doc as a last resort.

The GMR has several agreements with publishers that facilitate reasonable licensing costs for electronic resources for hospitals. A network workgroup will be created to work with the Network Librarian to identify resources, publishers, or vendors willing to negotiate reasonable costs for members. The Network Librarian will work with the NEO office to devise the best way to evaluate this program and determine its sustainability. Alternative approaches will be considered, such as offering classes and consultation on license negotiation. The program will be coordinated by the GMR Network Librarian.

To help assure that information is available at the point of need, a clinical emergency information plan for the Region will be established. This plan will include asking Resource Libraries and the RML to provide immediate document delivery/interlibrary loan to a library or Loansome Doc participant with a clinical emergency. This program will be monitored for success.

The NLM MedPrint initiative was developed to ensure that core clinical titles will always be available in print from volume one on, as an archival alternative to the electronic access that has become the primary format for biomedical information. The Network Librarian will conduct an analysis of MedPrint titles for which NLM reports fewer than 12 permanent print holdings. A call will go out to the Region asking libraries, particularly Resource Libraries and the RML, to assess their print collections to see if they can commit to permanently holding some of the titles on the list. If a sufficient commitment cannot be obtained, a call to the Resource Libraries will be conducted to determine why they cannot or will not participate in MedPrint. For example, at the University of Iowa, most, if not all, of the titles are owned. However, MedPrint criteria for keeping a title required the presence of advertisements, cover pages, and other pages that had been routinely removed upon binding. It is likely that other libraries were also hampered in their desire to participate by these criteria. Once information has been obtained from

the libraries on why they are not participating, the GMR Network Librarian will work with the NLM to review the program, make adjustments to the criteria, if possible, and ask libraries again to participate so that the best participation rate possible will be obtained.

AIM 6: The GMR staff will provide a Data Management Education Center (DMEC) for network members to increase the number of network librarians skilled in supporting health researchers with data management throughout the data life cycle during the five years of the award.

Through a subaward, the University of Michigan Taubman Health Sciences Library (THL) will serve as the Data Management Education Center (DMEC) for the region. The DMEC will be the region's center for expertise and dissemination of information on biomedical big data and data management throughout the research lifecycle, providing resources and a variety of training, programming, and networking opportunities to libraries and health researchers. The DMEC will provide a point of contact for the region's librarians, health information professionals, and researchers for training and resources related to all aspects of data management.

Big data is a big area - the volume of information librarians need to learn and stay abreast of is immense. This is due, in part, to the complexity of the landscape: data management involves everything from writing robust data management plans to submission of properly curated data in open data repositories; from finding available, reusable datasets to developing strategies for making data discoverable, accessible, and reusable; from facilitating researcher compliance with funder mandates to drafting institutional policies for data sharing. There are numerous opportunities for health sciences librarians to partner with researchers throughout project lifecycles, and to assume leadership roles in data management at their institutions.

While this is an exciting opportunity for librarians to expand and apply strong skills in information organization and dissemination, it also presents a steep learning curve. To be effective partners in the emerging big data landscape, librarians will need knowledge of best practices in areas from data curation, software tools, and metadata standards to federal regulations and repositories.

To optimize dissemination of data management-related information, the DMEC will take a four-pronged approach. During this funding cycle, our center will focus on:

1. Delivery of educational programming: We will repurpose existing curricula, create new content, and conduct educational programming in a variety of formats including but not limited to webinars (recorded for on-demand viewing) and formal courses offering MLA CE credits. We will provide in-person workshops and utilize technology for interactive virtual learning opportunities.
2. Establishment of a clearinghouse of materials: We will create a database of curated resources related to all aspects of data management and data education. Sample topics may include: metadata standards, data repositories,

data catalogs, data management plans, data literacy curricula, etc. This web-based resource will be updated regularly to maintain currency of content.

3. Creation of a regional network to promote collaboration on issues related to data management: Application of knowledge is just as important as its acquisition. To this end, we will establish a platform for networking to serve as not only an information resource, but also as a place where the region's librarians can learn, share experiences and collaborate on data projects. A sample service offered via the platform may include regional Data Management Office Hours - a designated time for people to access a group chat related to specific data management issues or general conversations about data. Email lists will be used for announcements and to connect region members who are interested in data management and want to keep up with what's going on, but whose work does not involve them directly with data management.
4. Promotion of libraries and librarians as experts in data management: One of the core missions of the DMEC is to help librarians identify roles in data management, and acquire the skills to succeed in those roles. Another mission is to increase the profile of librarians in this area. While many institutions already look to their libraries for guidance in data management, others may not be aware of the value libraries and librarians can add. This requires a comprehensive communications strategy aimed at non-librarians, including clinicians, health researchers, hospital administrators, public health departments, and other organizations involved in the generation, use, or reuse of biomedical data. We will promote the DMEC including its resources and data-related activities throughout the GMR to the broader biomedical research community through targeted communications, attendance and presentations at non-library conferences, newsletters, and other methods as appropriate.

In addition to these 4 primary objectives, the DMEC will develop and deploy a robust assessment and evaluation program. This program will provide solid metrics to gauge the efficacy and impact of DMEC resources and educational offerings, and will enable us to remain abreast of data-related information needs throughout the GMR.

The Taubman Health Sciences Library (THL) is uniquely positioned both to successfully create and provision the DMEC and to provide outreach on data-related topics and issues within the GMR. U-M's library has a tradition of excellence in research and the preservation of scholarship. THL has made significant contributions to the university library's projects and initiatives related to data management, including products such as our institutional and data repositories, and data literacy education initiatives. THL has also assumed a leadership role in important data-related projects such as the campus-wide provision of Open Research and Contributor Identifiers (ORCID) to faculty, graduate students, and other researchers.

For administrative purposes, the DMEC will be housed within THL's Research and Informatics Unit. The research and data informationist will coordinate the DMEC's THL efforts, including program planning, engaging THL informationists with expertise in assessment, instructional design and educational technologies, and supervision of a full-time data education informationist. The data education informationist's primary responsibilities will include creating educational materials, teaching, managing the DMEC website, and moderating data discussion groups.

The DMEC will also foster collaboration with the University of Michigan Library, engaging librarians with experience in GIS, spatial and numeric data, data visualization and metadata as needed. Additionally, the DMEC will leverage expertise and knowledge from across the U-M campus. Our existing partnerships with campus entities including the Office of Research and Sponsored Projects (ORSP), Michigan Institute for Data Science (MIDAS), Advanced Research Computing (ARC), and the Inter-University Consortium for Political and Social Research (ICPSR) ensure that THL has a robust network in all relevant areas of data management. Finally, THL informationists and staff have extensive experience with local and regional outreach. Recent projects include planning and coordination roles for the first annual Great Lakes Science Boot Camp and development and delivery of a popular course in best practices for systematic reviews, both funded by NNLM through the GMR.

Timeline

	Year 1	Year 2	Year 3	Year 4	Year 5
AIM 5: Provide access to biomedical information					
Assess network members not participating in NLM programs					
Increase number of DOCLINE libraries		X	X	X	X
Increase number of Loansome Doc libraries		X	X	X	X
Increase number of consumer health libraries		X	X	X	X
Increase number of libraries in MedPrint		X	X	X	X
Report network member performance data	X	X	X	X	X
Promote management of DOCLINE/SERHOLD, etc.	X	X	X	X	X
Refer members to NDCO for training and support	X	X	X	X	X
Promote EFTS	X	X	X	X	X
Evaluate current electronic resources program for hospital libraries for sustainability		X			
Expand electronic resources program or develop alternative program to support e-journals for hospital libraries		X	X	X	X
Review emergency plan for access to collections	X	X	X	X	X
Recruit Resource Libraries	X				
Evaluate Outreach Library Program	X				
Develop MOU for Resource Libraries/Outreach Libraries	X				
Develop MOU for Outreach Libraries, if needed	X				
Recruit Outreach Libraries, if needed	X				
Evaluate program and adjust as needed		X	X	X	X
AIM 6: Provide data management education					
Subaward to University of Michigan to develop GMR Data Management Education Center (DMEC)	X	X	X	X	X
DMEC will hire data informationist	X				
DMEC Web site developed, tested launched	X				
DMC will do a needs assessment	X				
DMEC will develop and deliver educational programming	X	X	X	X	X
DMEC will establish clearinghouse of materials		X	X	X	X
DMEC will create a regional network for collaboration		X	X	X	X

DMEC will promote libraries and librarians as experts in data management through exhibiting and presentation	X	X	X	X
DMEC will submit all reports	X	X	X	X
DMEC will use social medial to promote and inform	X	X	X	X
DMEC will publish on DMEC activities	X	X	X	X
DMEC will assess and evaluate program	X	X	X	X

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APPLICATION FOR FEDERAL ASSISTANCE

SF 424 (R&R)

5. APPLICANT INFORMATION		Organizational DUNS*: 0627616710000	
Legal Name*:	University of Iowa		
Department:			
Division:			
Street1*:	2 Gilmore Hall		
Street2:			
City*:	Iowa City		
County:			
State*:	IA: Iowa		
Province:			
Country*:	USA: UNITED STATES		
ZIP / Postal Code*:	522421320		
Person to be contacted on matters involving this application			
Prefix:	First Name*:	Middle Name:	Last Name*:
	Jennifer	L.	Lassner
Suffix:			
Position/Title:	Assistant Vice President for Research		
Street1*:	2 Gilmore Hall		
Street2:			
City*:	Iowa City		
County:	Johnson		
State*:	IA: Iowa		
Province:			
Country*:	USA: UNITED STATES		
ZIP / Postal Code*:	52242-1320		
Phone Number*:	319-335-2123	Fax Number:	319-335-2130
		Email:	nih@uiowa.edu
7. TYPE OF APPLICANT*		H: Public/State Controlled Institution of Higher Education	
Other (Specify):			
<input checked="" type="radio"/> Small Business Organization Type		<input type="radio"/> Women Owned	
		<input type="radio"/> Socially and Economically Disadvantaged	
11. DESCRIPTIVE TITLE OF APPLICANT'S PROJECT*			
NN/LM Greater Midwest Region (3)			
12. PROPOSED PROJECT			
Start Date*	Ending Date*		
05/01/2016	04/30/2021		

Project/Performance Site Location(s)

Project/Performance Site Primary Location

I am submitting an application as an individual, and not on behalf of a company, state, local or tribal government, academia, or other type of organization.

Organization Name: University of Iowa
 Duns Number: 0627616710000
 Street1*: 600 Newton Road
 Street2: Hardin Library
 City*: Iowa City
 County: Johnson
 State*: IA: Iowa
 Province:
 Country*: USA: UNITED STATES
 Zip / Postal Code*: 52242-1309
 Project/Performance Site Congressional District*: IA-002

File Name

Additional Location(s)

RESEARCH & RELATED Other Project Information

1. Are Human Subjects Involved?* <input type="radio"/> Yes <input checked="" type="radio"/> No	
1.a. If YES to Human Subjects Is the Project Exempt from Federal regulations? <input type="radio"/> Yes <input type="radio"/> No If YES, check appropriate exemption number: — 1 — 2 — 3 — 4 — 5 — 6 If NO, is the IRB review Pending? <input type="radio"/> Yes <input type="radio"/> No IRB Approval Date: Human Subject Assurance Number	
2. Are Vertebrate Animals Used?* <input type="radio"/> Yes <input checked="" type="radio"/> No	
2.a. If YES to Vertebrate Animals Is the IACUC review Pending? <input type="radio"/> Yes <input type="radio"/> No IACUC Approval Date: Animal Welfare Assurance Number	
3. Is proprietary/privileged information included in the application?* <input type="radio"/> Yes <input checked="" type="radio"/> No	
4.a. Does this project have an actual or potential impact - positive or negative - on the environment?* <input type="radio"/> Yes <input checked="" type="radio"/> No	
4.b. If yes, please explain: 4.c. If this project has an actual or potential impact on the environment, has an exemption been authorized or an environmental assessment (EA) or environmental impact statement (EIS) been performed? <input type="radio"/> Yes <input type="radio"/> No 4.d. If yes, please explain:	
5. Is the research performance site designated, or eligible to be designated, as a historic place?* <input type="radio"/> Yes <input checked="" type="radio"/> No	
5.a. If yes, please explain:	
6. Does this project involve activities outside the United States or partnership with international collaborators?* <input type="radio"/> Yes <input checked="" type="radio"/> No	
6.a. If yes, identify countries: 6.b. Optional Explanation:	
7. Project Summary/Abstract*	Filename Outreach_Core_Abstract1021031546.pdf
8. Project Narrative*	
9. Bibliography & References Cited	References1021031550.pdf
10. Facilities & Other Resources	Resources1021031549.pdf
11. Equipment	

Outreach Core Abstract

The GMR will partner directly with organizations and educational institutions such as rural health organizations, primary care associations, and colleges and community colleges with allied health programs to develop innovative approaches to reaching members of the organizations or students attending the schools. These partnerships will work to better prepare both practicing health professionals and students to understand health disparities and evidence-based healthcare by introducing them to resources focusing on these topics as well as to general health-related resources. The GMR will provide subawards to network members to develop and implement healthcare information outreach and education initiatives in their communities. Outreach and Education subawards also will be awarded to network members who have identified a target group interested in learning more about NLM resources. The GMR will offer a variety of Professional Development Awards to enable network members and potential network members to attend Webinars, classes, and conferences to stay current on health information resources. A 25-person training facility will be available at the RML for in-person training and other regional sites will be identified. The University of Iowa Institute for Public Health Practice (IPHP), will provide a learning platform and instructional design for developing a series of health information literacy classes for public health professionals. The focus of the consumer health program will be to target public librarians and library school students to improve their skills on using quality consumer health resources, to encourage health sciences libraries to partner with community organizations that serve targeted communities such as clinics, schools, and faith-based organizations, and to provide training to organizations that cannot locate a health sciences librarian within their community to provide health information literacy.

Resources

The Hardin Library for the Health Sciences serves the combined information and research needs of the University of Iowa Colleges of Dentistry, Medicine, Nursing, Pharmacy, Public Health, the University of Iowa Hospitals & Clinics (including related allied-health education programs), and the Department of Communication Sciences and Disorders. The mission of the Hardin Library is to disseminate health sciences information to the students, faculty and staff of the University of Iowa and the public in support of education, research, and health care, and to preserve the scholarly record for the future.

The Hardin Library serves as a Resource and Outreach Library for the National Network of Libraries of Medicine. We provide outreach to unaffiliated health professionals, librarians and the public through training and resource support. We are active members of DOCLINE, Loansome Doc and MedlinePlus (listed as a consumer health library), consultations, online subject guides for targeted hospitals and clinics as well as other organizations that focus on healthcare. Hardin has received a variety of outreach subcontracts and grants from the National Library of Medicine and the National Network of Libraries of Medicine. The Library has a full-time Outreach Librarian who contacts unaffiliated users through exhibits, conferences, and referrals.

The Hardin Library employs 12 librarians, 11 library assistants and support personnel, and approximately 13 FTE student workers. Staff members provide a wide array of services and functions including electronic and traditional reference, instruction, circulation, electronic/traditional reserve, bookstacks maintenance, interlibrary loan/document delivery, and collection development.

The Hardin Library's print collection contains more than 370,000 book and journal volumes. The Library's collection includes more than 5000 health sciences journals, most in electronic format; over 200 health sciences databases, including PubMed, CINAHL, the Cochrane Database of Systematic Reviews, MDConsult, DynaMed, Stat!Ref, and UpToDate; and a growing collection of electronic books. Members of the health sciences campus also have access to all of the resources of the University of Iowa Main Library and branches. The majority of the UI Libraries' electronic resources are available remotely to UI students, faculty, and staff. Print materials delivered to on-campus offices, although not to dormitories, through the University Libraries Delivery Service, and articles from print journals can be scanned and delivered electronically through the Document Delivery Service. Materials not available in the UI Libraries may be requested through Interlibrary Loan.

In addition to housing collections, the library has a large amount of space for research and study, with over 500 seats in a variety of formats, including four group studies and 16 individual studies. Computers are located on every floor of the library and the campus wireless network is available throughout the building. A 24-hour study, available when Hardin Library is closed, can be accessed by UI affiliates with their campus ID cards. Two computer classrooms, each with 25 computers and about 50 seats, are located in the Information Commons, on the second floor of the library. These classrooms can be reserved for use by faculty. The Information Commons also houses the Simulation Center, a cross-disciplinary facility that includes a number of physical examination and procedural skill models.

A variety of education programs are provided by Hardin Library staff to both students and faculty, with library staff members playing an increased role in providing information skills within

the formal curricula of the health colleges through the library liaisons program. Hardin Open Workshops, free hands-on sessions open to all library users, are offered regularly, providing instruction on various databases, reference management software, and other topics. Additionally, research consultations are available to all library users on an appointment basis.

The University of Iowa Libraries is a member of several consortia including the National Network of Libraries of Medicine, the Iowa Council of Health Sciences Libraries, and the Resource Sharing Network for the CIC Institutions (the Big Ten and the University of Chicago). Through these relationships, faculty and students at the University of Iowa have superb access to materials held at other institutions. Such networks also allow the Hardin Library to extend its services to other libraries throughout Iowa and the rest of the country.

The University of Iowa Libraries: The [University of Iowa Libraries](#) system consists of the Main Library, the Hardin Library for the Health Sciences, and the Business, Engineering, Sciences, Art, and the Music Libraries. The Libraries has more than 5 million volumes including thousands of electronic resources and coordinates the development and maintenance of the University's locally-created open access digital resources including the Iowa Digital Library, featuring close to a million digitized texts, images, and audio and video recordings, as well as Iowa Research Online, our institutional repository.

Library systems are built on a mix of open source, locally developed, hosted services, and vended applications primarily from Ex Libris, OCLC, and Microsoft. The University of Iowa is a member of the Committee on Institutional Cooperation (CIC), AAHSL, ARL, OCLC, CRL, SPARC, CNI, CLIR, LOCKSS, CLOCKSS, and Portico. The Libraries provides a program of support for professional development activities and its staff members are actively engaged in national cooperative efforts.

Several departments within the University Libraries will support the Regional Medical Library and its programs that will enhance the network, including preservation (emergency preparedness) and the Digital Scholarship & Publishing Studio.

RESEARCH & RELATED Senior/Key Person Profile (Expanded)

PROFILE - Project Director/Principal Investigator				
Prefix:	First Name*: Linda	Middle Name J	Last Name*: Walton	Suffix:
Position/Title*:	Associate Director			
Organization Name*:	University of Iowa			
Department:	University Libraries			
Division:	Library Administration			
Street1*:	100 Main Library			
Street2:	Admin. HLHS			
City*:	Iowa City			
County:	Johnson			
State*:	IA: Iowa			
Province:				
Country*:	USA: UNITED STATES			
Zip / Postal Code*:	52242-1320			
Phone Number*:	319-335-9871	Fax Number:	E-Mail*: linda-walton@uiowa.edu	
Credential, e.g., agency login: WALTONL				
Project Role*: Other (Specify)		Other Project Role Category: Core Lead		
Degree Type: BA, MLS		Degree Year: 1981		
Attach Biographical Sketch*:		File Name		
Attach Current & Pending Support:				

RESEARCH & RELATED BUDGET - SECTION A & B, BUDGET PERIOD 1

ORGANIZATIONAL DUNS*: 0627616710000

Budget Type*: Project Subaward/Consortium

Enter name of Organization: University of Iowa

Start Date*: 05-01-2016

End Date*: 04-30-2017

Budget Period: 1

A. Senior/Key Person												
Prefix	First Name*	Middle Name	Last Name*	Suffix	Project Role*	Base Salary (\$)	Calendar Months	Academic Months	Summer Months	Requested Salary (\$)*	Fringe Benefits (\$)*	Funds Requested (\$)*
1.	Linda	J	Walton		Project Lead	124,736.00	1.2			12,473.00	4,490.00	16,963.00
Total Funds Requested for all Senior Key Persons in the attached file											16,963.00	
Additional Senior Key Persons: File Name:											Total Senior/Key Person	16,963.00

B. Other Personnel								
Number of Personnel*	Project Role*	Calendar Months	Academic Months	Summer Months	Requested Salary (\$)*	Fringe Benefits*	Funds Requested (\$)*	
	Post Doctoral Associates							
	Graduate Students							
	Undergraduate Students							
	Secretarial/Clerical							
1	Outreach Librarian	12			65,000.00	23,205.00	88,205.00	
1	Community Librarian	12			65,000.00	23,205.00	88,205.00	
1	Instructional Designer	4			36,666.00	13,090.00	49,756.00	
3	Total Number Other Personnel					Total Other Personnel	226,166.00	
							Total Salary, Wages and Fringe Benefits (A+B)	243,129.00

RESEARCH & RELATED Budget {A-B} (Funds Requested)

RESEARCH & RELATED BUDGET - SECTION C, D, & E, BUDGET PERIOD 1

ORGANIZATIONAL DUNS*: 0627616710000

Budget Type*: Project Subaward/Consortium

Enter name of Organization: University of Iowa

Start Date*: 05-01-2016

End Date*: 04-30-2017

Budget Period: 1

C. Equipment Description

List items and dollar amount for each item exceeding \$5,000

Equipment Item**Funds Requested (\$)*****Total funds requested for all equipment listed in the attached file****Total Equipment****Additional Equipment:** File Name:**D. Travel****Funds Requested (\$)***

1. Domestic Travel Costs (Incl. Canada, Mexico, and U.S. Possessions)

20,000.00

2. Foreign Travel Costs

Total Travel Cost**20,000.00****E. Participant/Trainee Support Costs****Funds Requested (\$)***

1. Tuition/Fees/Health Insurance

2. Stipends

3. Travel

4. Subsistence

5. Other:

Number of Participants/Trainees**Total Participant Trainee Support Costs**

RESEARCH & RELATED Budget (C-E) (Funds Requested)

RESEARCH & RELATED BUDGET - SECTIONS F-K, BUDGET PERIOD 1**ORGANIZATIONAL DUNS*:** 0627616710000**Budget Type*:** Project Subaward/Consortium**Enter name of Organization:** University of Iowa**Start Date*:** 05-01-2016**End Date*:** 04-30-2017**Budget Period:** 1

F. Other Direct Costs	Funds Requested (\$)*
1. Materials and Supplies	5,800.00
2. Publication Costs	
3. Consultant Services	
4. ADP/Computer Services	
5. Subawards/Consortium/Contractual Costs	
6. Equipment or Facility Rental/User Fees	
7. Alterations and Renovations	
8. Exhibit Fees	10,000.00
9. Other Outreach Proj.	120,000.00
Total Other Direct Costs	135,800.00

G. Direct Costs	Funds Requested (\$)*
Total Direct Costs (A thru F)	398,929.00

H. Indirect Costs			
Indirect Cost Type	Indirect Cost Rate (%)	Indirect Cost Base (\$)	Funds Requested (\$)*
1. on_campus	28.5	398,929.00	113,695.00
Total Indirect Costs			113,695.00
Cognizant Federal Agency	DHHS, Theodore Foster, 214-767-3261		
(Agency Name, POC Name, and POC Phone Number)			

I. Total Direct and Indirect Costs	Funds Requested (\$)*
Total Direct and Indirect Institutional Costs (G + H)	512,624.00

J. Fee	Funds Requested (\$)*
---------------	------------------------------

K. Budget Justification*
File Name: budget_justificationOutreachcore1021031568.pdf (Only attach one file.)

RESEARCH & RELATED Budget {F-K} (Funds Requested)

RESEARCH & RELATED BUDGET - SECTION A & B, BUDGET PERIOD 2

ORGANIZATIONAL DUNS*: 0627616710000

Budget Type*: Project Subaward/Consortium

Enter name of Organization: University of Iowa

Start Date*: 05-01-2017

End Date*: 04-30-2018

Budget Period: 2

A. Senior/Key Person												
Prefix	First Name*	Middle Name	Last Name*	Suffix	Project Role*	Base Salary (\$)	Calendar Months	Academic Months	Summer Months	Requested Salary (\$)*	Fringe Benefits (\$)*	Funds Requested (\$)*
1.	Linda	J	Walton		Project Lead	128,478.00	1.2			0.00	0.00	0.00
Total Funds Requested for all Senior Key Persons in the attached file											0.00	
Additional Senior Key Persons: File Name:											Total Senior/Key Person	0.00

B. Other Personnel								
Number of Personnel*	Project Role*	Calendar Months	Academic Months	Summer Months	Requested Salary (\$)*	Fringe Benefits*	Funds Requested (\$)*	
	Post Doctoral Associates							
	Graduate Students							
	Undergraduate Students							
	Secretarial/Clerical							
1	Outreach Librarian	12			66,950.00	23,901.00	90,851.00	
1	Community Librarian	12			66,950.00	23,901.00	90,851.00	
1	Instructional Designer	4			37,766.00	13,483.00	51,249.00	
3	Total Number Other Personnel					Total Other Personnel	232,951.00	
							Total Salary, Wages and Fringe Benefits (A+B)	232,951.00

RESEARCH & RELATED Budget {A-B} (Funds Requested)

RESEARCH & RELATED BUDGET - SECTION C, D, & E, BUDGET PERIOD 2

ORGANIZATIONAL DUNS*: 0627616710000

Budget Type*: Project Subaward/Consortium

Enter name of Organization: University of Iowa

Start Date*: 05-01-2017

End Date*: 04-30-2018

Budget Period: 2

C. Equipment Description

List items and dollar amount for each item exceeding \$5,000

Equipment Item**Funds Requested (\$)*****Total funds requested for all equipment listed in the attached file****Total Equipment****Additional Equipment:** File Name:**D. Travel****Funds Requested (\$)***

1. Domestic Travel Costs (Incl. Canada, Mexico, and U.S. Possessions)

20,000.00

2. Foreign Travel Costs

Total Travel Cost**20,000.00****E. Participant/Trainee Support Costs****Funds Requested (\$)***

1. Tuition/Fees/Health Insurance

2. Stipends

3. Travel

4. Subsistence

5. Other:

Number of Participants/Trainees**Total Participant Trainee Support Costs**

RESEARCH & RELATED Budget (C-E) (Funds Requested)

RESEARCH & RELATED BUDGET - SECTIONS F-K, BUDGET PERIOD 2**ORGANIZATIONAL DUNS*:** 0627616710000**Budget Type*:** Project Subaward/Consortium**Enter name of Organization:** University of Iowa**Start Date*:** 05-01-2017**End Date*:** 04-30-2018**Budget Period:** 2

F. Other Direct Costs	Funds Requested (\$)*
1. Materials and Supplies	
2. Publication Costs	
3. Consultant Services	
4. ADP/Computer Services	
5. Subawards/Consortium/Contractual Costs	
6. Equipment or Facility Rental/User Fees	
7. Alterations and Renovations	
8. Exhibit Fees	15,000.00
9. Other Outreach Projects	193,000.00
Total Other Direct Costs	208,000.00

G. Direct Costs	Funds Requested (\$)*
Total Direct Costs (A thru F)	460,951.00

H. Indirect Costs			
Indirect Cost Type	Indirect Cost Rate (%)	Indirect Cost Base (\$)	Funds Requested (\$)*
1. on_campus	28.5	460,951.00	131,371.00
Total Indirect Costs			131,371.00
Cognizant Federal Agency	DHHS, Theodore Foster, 214-767-3261		
(Agency Name, POC Name, and POC Phone Number)			

I. Total Direct and Indirect Costs	Funds Requested (\$)*
Total Direct and Indirect Institutional Costs (G + H)	592,322.00

J. Fee	Funds Requested (\$)*
---------------	------------------------------

K. Budget Justification*
File Name: budget_justificationOutreachcore1021031568.pdf (Only attach one file.)

RESEARCH & RELATED Budget {F-K} (Funds Requested)

RESEARCH & RELATED BUDGET - SECTION A & B, BUDGET PERIOD 3

ORGANIZATIONAL DUNS*: 0627616710000

Budget Type*: Project Subaward/Consortium

Enter name of Organization: University of Iowa

Start Date*: 05-01-2018

End Date*: 04-30-2019

Budget Period: 3

A. Senior/Key Person												
Prefix	First Name*	Middle Name	Last Name*	Suffix	Project Role*	Base Salary (\$)	Calendar Months	Academic Months	Summer Months	Requested Salary (\$)*	Fringe Benefits (\$)*	Funds Requested (\$)*
1.	Linda	J	Walton		Project Lead	132,332.00	1.2			0.00	0.00	0.00
Total Funds Requested for all Senior Key Persons in the attached file											0.00	
Additional Senior Key Persons: File Name:											Total Senior/Key Person	0.00

B. Other Personnel							
Number of Personnel*	Project Role*	Calendar Months	Academic Months	Summer Months	Requested Salary (\$)*	Fringe Benefits*	Funds Requested (\$)*
	Post Doctoral Associates						
	Graduate Students						
	Undergraduate Students						
	Secretarial/Clerical						
1	Outreach Librarian	12			68,959.00	24,618.00	93,577.00
1	Community Librarian	12			68,959.00	24,618.00	93,577.00
1	Instructional Designer	4			38,899.00	13,887.00	52,786.00
3	Total Number Other Personnel					Total Other Personnel	239,940.00
						Total Salary, Wages and Fringe Benefits (A+B)	239,940.00

RESEARCH & RELATED Budget {A-B} (Funds Requested)

RESEARCH & RELATED BUDGET - SECTION C, D, & E, BUDGET PERIOD 3

ORGANIZATIONAL DUNS*: 0627616710000

Budget Type*: Project Subaward/Consortium

Enter name of Organization: University of Iowa

Start Date*: 05-01-2018

End Date*: 04-30-2019

Budget Period: 3

C. Equipment Description

List items and dollar amount for each item exceeding \$5,000

Equipment Item	Funds Requested (\$)*
-----------------------	------------------------------

Total funds requested for all equipment listed in the attached file**Total Equipment****Additional Equipment:** File Name:**D. Travel****Funds Requested (\$)***

1. Domestic Travel Costs (Incl. Canada, Mexico, and U.S. Possessions)

20,000.00

2. Foreign Travel Costs

Total Travel Cost**20,000.00****E. Participant/Trainee Support Costs****Funds Requested (\$)***

1. Tuition/Fees/Health Insurance

2. Stipends

3. Travel

4. Subsistence

5. Other:

Number of Participants/Trainees**Total Participant Trainee Support Costs**

RESEARCH & RELATED Budget (C-E) (Funds Requested)

RESEARCH & RELATED BUDGET - SECTIONS F-K, BUDGET PERIOD 3

ORGANIZATIONAL DUNS*: 0627616710000

Budget Type*: Project Subaward/Consortium

Enter name of Organization: University of Iowa

Start Date*: 05-01-2018

End Date*: 04-30-2019

Budget Period: 3

F. Other Direct Costs	Funds Requested (\$)*
1. Materials and Supplies	
2. Publication Costs	
3. Consultant Services	
4. ADP/Computer Services	
5. Subawards/Consortium/Contractual Costs	
6. Equipment or Facility Rental/User Fees	
7. Alterations and Renovations	
8. Exhibit Fees	15,000.00
9. Other Outreach Projects	173,000.00
Total Other Direct Costs	188,000.00

G. Direct Costs	Funds Requested (\$)*
Total Direct Costs (A thru F)	447,940.00

H. Indirect Costs			
Indirect Cost Type	Indirect Cost Rate (%)	Indirect Cost Base (\$)	Funds Requested (\$)*
1. on_campus	28.5	447,940.00	127,663.00
Total Indirect Costs			127,663.00
Cognizant Federal Agency		DHHS, Theodore Foster, 214-767-3261	
(Agency Name, POC Name, and POC Phone Number)			

I. Total Direct and Indirect Costs	Funds Requested (\$)*
Total Direct and Indirect Institutional Costs (G + H)	575,603.00

J. Fee	Funds Requested (\$)*
---------------	------------------------------

K. Budget Justification*
File Name: budget_justificationOutreachcore1021031568.pdf (Only attach one file.)

RESEARCH & RELATED Budget {F-K} (Funds Requested)

RESEARCH & RELATED BUDGET - SECTION A & B, BUDGET PERIOD 4

ORGANIZATIONAL DUNS*: 0627616710000

Budget Type*: Project Subaward/Consortium

Enter name of Organization: University of Iowa

Start Date*: 05-01-2019

End Date*: 04-30-2020

Budget Period: 4

A. Senior/Key Person												
Prefix	First Name*	Middle Name	Last Name*	Suffix	Project Role*	Base Salary (\$)	Calendar Months	Academic Months	Summer Months	Requested Salary (\$)*	Fringe Benefits (\$)*	Funds Requested (\$)*
1.	Linda	J	Walton		Project Lead	136,302.00	1.2			0.00	0.00	0.00
Total Funds Requested for all Senior Key Persons in the attached file											0.00	
Additional Senior Key Persons: File Name:											Total Senior/Key Person 0.00	

B. Other Personnel							
Number of Personnel*	Project Role*	Calendar Months	Academic Months	Summer Months	Requested Salary (\$)*	Fringe Benefits*	Funds Requested (\$)*
	Post Doctoral Associates						
	Graduate Students						
	Undergraduate Students						
	Secretarial/Clerical						
1	Outreach Librarian	12			71,027.00	25,357.00	96,384.00
1	Community Librarian	12			71,027.00	25,357.00	96,384.00
1	Instructional Designer	4			40,066.00	14,304.00	54,370.00
3	Total Number Other Personnel					Total Other Personnel	247,138.00
						Total Salary, Wages and Fringe Benefits (A+B)	247,138.00

RESEARCH & RELATED Budget {A-B} (Funds Requested)

RESEARCH & RELATED BUDGET - SECTION C, D, & E, BUDGET PERIOD 4

ORGANIZATIONAL DUNS*: 0627616710000

Budget Type*: Project Subaward/Consortium

Enter name of Organization: University of Iowa

Start Date*: 05-01-2019

End Date*: 04-30-2020

Budget Period: 4

C. Equipment Description

List items and dollar amount for each item exceeding \$5,000

Equipment Item	Funds Requested (\$)*
-----------------------	------------------------------

Total funds requested for all equipment listed in the attached file**Total Equipment****Additional Equipment:** File Name:**D. Travel****Funds Requested (\$)***

1. Domestic Travel Costs (Incl. Canada, Mexico, and U.S. Possessions)

20,000.00

2. Foreign Travel Costs

Total Travel Cost**20,000.00****E. Participant/Trainee Support Costs****Funds Requested (\$)***

1. Tuition/Fees/Health Insurance

2. Stipends

3. Travel

4. Subsistence

5. Other:

Number of Participants/Trainees**Total Participant Trainee Support Costs**

RESEARCH & RELATED Budget (C-E) (Funds Requested)

RESEARCH & RELATED BUDGET - SECTIONS F-K, BUDGET PERIOD 4**ORGANIZATIONAL DUNS*:** 0627616710000**Budget Type*:** Project Subaward/Consortium**Enter name of Organization:** University of Iowa**Start Date*:** 05-01-2019**End Date*:** 04-30-2020**Budget Period:** 4

F. Other Direct Costs	Funds Requested (\$)*
1. Materials and Supplies	5,000.00
2. Publication Costs	
3. Consultant Services	
4. ADP/Computer Services	
5. Subawards/Consortium/Contractual Costs	
6. Equipment or Facility Rental/User Fees	
7. Alterations and Renovations	
8. Exhibit Fees	15,000.00
9. Other outreach projects	140,000.00
Total Other Direct Costs	160,000.00

G. Direct Costs	Funds Requested (\$)*
Total Direct Costs (A thru F)	427,138.00

H. Indirect Costs			
Indirect Cost Type	Indirect Cost Rate (%)	Indirect Cost Base (\$)	Funds Requested (\$)*
1. on_campus	28.5	427,138.00	121,734.00
Total Indirect Costs			121,734.00
Cognizant Federal Agency		DHHS, Theodore Foster, 214-767-3261	
(Agency Name, POC Name, and POC Phone Number)			

I. Total Direct and Indirect Costs	Funds Requested (\$)*
Total Direct and Indirect Institutional Costs (G + H)	548,872.00

J. Fee	Funds Requested (\$)*
---------------	------------------------------

K. Budget Justification*
File Name: budget_justificationOutreachcore1021031568.pdf (Only attach one file.)

RESEARCH & RELATED Budget {F-K} (Funds Requested)

RESEARCH & RELATED BUDGET - SECTION A & B, BUDGET PERIOD 5

ORGANIZATIONAL DUNS*: 0627616710000

Budget Type*: Project Subaward/Consortium

Enter name of Organization: University of Iowa

Start Date*: 05-01-2020

End Date*: 04-30-2021

Budget Period: 5

A. Senior/Key Person												
Prefix	First Name*	Middle Name	Last Name*	Suffix	Project Role*	Base Salary (\$)	Calendar Months	Academic Months	Summer Months	Requested Salary (\$)*	Fringe Benefits (\$)*	Funds Requested (\$)*
1.	Linda	J	Walton		Project Lead	140,391.00	1.2			0.00	0.00	0.00
Total Funds Requested for all Senior Key Persons in the attached file											0.00	
Additional Senior Key Persons: File Name:											Total Senior/Key Person 0.00	

B. Other Personnel							
Number of Personnel*	Project Role*	Calendar Months	Academic Months	Summer Months	Requested Salary (\$)*	Fringe Benefits*	Funds Requested (\$)*
	Post Doctoral Associates						
	Graduate Students						
	Undergraduate Students						
	Secretarial/Clerical						
1	Outreach Librarian	12			73,158.00	26,117.00	99,275.00
1	Community Librarian	12			73,158.00	26,117.00	99,275.00
1	Instructional Designer	4			41,268.00	14,733.00	56,001.00
3	Total Number Other Personnel					Total Other Personnel	254,551.00
						Total Salary, Wages and Fringe Benefits (A+B)	254,551.00

RESEARCH & RELATED Budget {A-B} (Funds Requested)

RESEARCH & RELATED BUDGET - SECTION C, D, & E, BUDGET PERIOD 5

ORGANIZATIONAL DUNS*: 0627616710000

Budget Type*: Project Subaward/Consortium

Enter name of Organization: University of Iowa

Start Date*: 05-01-2020

End Date*: 04-30-2021

Budget Period: 5

C. Equipment Description

List items and dollar amount for each item exceeding \$5,000

Equipment Item	Funds Requested (\$)*
-----------------------	------------------------------

Total funds requested for all equipment listed in the attached file**Total Equipment****Additional Equipment:** File Name:**D. Travel****Funds Requested (\$)***

1. Domestic Travel Costs (Incl. Canada, Mexico, and U.S. Possessions)

20,000.00

2. Foreign Travel Costs

Total Travel Cost**20,000.00****E. Participant/Trainee Support Costs****Funds Requested (\$)***

1. Tuition/Fees/Health Insurance

2. Stipends

3. Travel

4. Subsistence

5. Other:

Number of Participants/Trainees**Total Participant Trainee Support Costs**

RESEARCH & RELATED Budget (C-E) (Funds Requested)

RESEARCH & RELATED BUDGET - SECTIONS F-K, BUDGET PERIOD 5**ORGANIZATIONAL DUNS*:** 0627616710000**Budget Type*:** Project Subaward/Consortium**Enter name of Organization:** University of Iowa**Start Date*:** 05-01-2020**End Date*:** 04-30-2021**Budget Period:** 5

F. Other Direct Costs	Funds Requested (\$)*
1. Materials and Supplies	
2. Publication Costs	
3. Consultant Services	
4. ADP/Computer Services	
5. Subawards/Consortium/Contractual Costs	
6. Equipment or Facility Rental/User Fees	
7. Alterations and Renovations	
8. ExhibitorFees	15,000.00
9. Other Outreach Projects	125,000.00
Total Other Direct Costs	140,000.00

G. Direct Costs	Funds Requested (\$)*
Total Direct Costs (A thru F)	414,551.00

H. Indirect Costs			
Indirect Cost Type	Indirect Cost Rate (%)	Indirect Cost Base (\$)	Funds Requested (\$)*
1. on_campus	28.5	414,551.00	118,147.00
Total Indirect Costs			118,147.00
Cognizant Federal Agency	DHHS, Theodore Foster, 214-767-3261		
(Agency Name, POC Name, and POC Phone Number)			

I. Total Direct and Indirect Costs	Funds Requested (\$)*
Total Direct and Indirect Institutional Costs (G + H)	532,698.00

J. Fee	Funds Requested (\$)*
---------------	------------------------------

K. Budget Justification*
File Name: budget_justificationOutreachcore1021031568.pdf (Only attach one file.)

RESEARCH & RELATED Budget {F-K} (Funds Requested)

NN/LM Greater Midwest Region (3)
Budget Justification-Outreach and Education Core
Year 1 May 1, 2016-April 30, 2017

Personnel = \$243,129

PI/Director

10% time for the PI/Director is requested to set up the new Regional Office. Linda Walton has experience establishing a new RML office, hiring staff, and working with both the National Library of Medicine and the University of Iowa Sponsored Programs. After year 1 her time will be contributed at 10% of her time. Fringe Benefits Rate 35.7%.

2 Librarians

100% time is requested for four librarians to develop and implement the various programs and services required to be a successful RML: network, technology, outreach, community at an estimated benefit rate of 35.7 %.

Instructional Designer

33.3% time is requested to design online curricula for public health professionals as part of the agreement with the University of Iowa College of Public Health. Fringe benefit rate is 35.7%.

Travel = \$20000

The travel budget will cover:

2 Librarians to attend the Pre-MLA annual NN/LM meeting

2 Librarians to exhibit at national meetings (3 national exhibits two staff attending)

National meetings are estimated at \$1200 per person including transportation, per diem and hotel. Rates are based on the University of Iowa policies.

2 librarians to attend annual MLA Midwest Chapter meeting

2 librarians to attend state library meetings

Regional and State meetings are estimated at \$750 per person including transportation, per diem and hotel. Rates are based on the University of Iowa policies.

Materials and Supplies = \$5800

2 computers \$1,000 each

2 Notebooks (\$1500 each)

2 I-Pads (\$400 each)

Other = \$130,000

Outreach projects = \$120,000

Developing a variety of outreach, professional development, emergency preparedness and technology improvement awards will be funded for **\$120,000**

National Exhibits = **\$10,000**

The RML staff will exhibit at 2 national meetings. Anticipated registration fees and shipping costs are \$5,000 per meeting for a total of \$10,000.

Indirect Cost Expenses

The University of Iowa has negotiated an F & A Cost Rate of 28.5 % for “other” projects.

RESEARCH & RELATED BUDGET - Cumulative Budget

	Totals (\$)	
Section A, Senior/Key Person		16,963.00
Section B, Other Personnel		1,200,746.00
Total Number Other Personnel	15	
Total Salary, Wages and Fringe Benefits (A+B)		1,217,709.00
Section C, Equipment		
Section D, Travel		100,000.00
1. Domestic	100,000.00	
2. Foreign		
Section E, Participant/Trainee Support Costs		
1. Tuition/Fees/Health Insurance		
2. Stipends		
3. Travel		
4. Subsistence		
5. Other		
6. Number of Participants/Trainees		
Section F, Other Direct Costs		831,800.00
1. Materials and Supplies	10,800.00	
2. Publication Costs		
3. Consultant Services		
4. ADP/Computer Services		
5. Subawards/Consortium/Contractual Costs		
6. Equipment or Facility Rental/User Fees		
7. Alterations and Renovations		
8. Other 1	70,000.00	
9. Other 2	751,000.00	
10. Other 3		
Section G, Direct Costs (A thru F)		2,149,509.00
Section H, Indirect Costs		612,610.00
Section I, Total Direct and Indirect Costs (G + H)		2,762,119.00
Section J, Fee		

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OMB Number: 0925-0001

1. Project Director / Principal Investigator (PD/PI)

Prefix:

First Name*: Linda

Middle Name: J

Last Name*: Walton

Suffix:

2. Human Subjects

Clinical Trial? No Yes

Agency-Defined Phase III Clinical Trial?* No Yes

3. Permission Statement*

If this application does not result in an award, is the Government permitted to disclose the title of your proposed project, and the name, address, telephone number and e-mail address of the official signing for the applicant organization, to organizations that may be interested in contacting you for further information (e.g., possible collaborations, investment)?

Yes No

4. Program Income*

Is program income anticipated during the periods for which the grant support is requested? Yes No

If you checked "yes" above (indicating that program income is anticipated), then use the format below to reflect the amount and source(s). Otherwise, leave this section blank.

Budget Period*	Anticipated Amount (\$)*	Source(s)*
.....
.....
.....
.....
.....

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5. Human Embryonic Stem Cells

Does the proposed project involve human embryonic stem cells?* No Yes

If the proposed project involves human embryonic stem cells, list below the registration number of the specific cell line(s) from the following list: http://grants.nih.gov/stem_cells/registry/current.htm. Or, if a specific stem cell line cannot be referenced at this time, please check the box indicating that one from the registry will be used:

Cell Line(s): Specific stem cell line cannot be referenced at this time. One from the registry will be used.

6. Inventions and Patents (For renewal applications only)

Inventions and Patents*: Yes No

If the answer is "Yes" then please answer the following:

Previously Reported*: Yes No

7. Change of Investigator / Change of Institution Questions

Change of principal investigator / program director

Name of former principal investigator / program director:

Prefix:

First Name*:

Middle Name:

Last Name*:

Suffix:

Change of Grantee Institution

Name of former institution*:

PHS 398 Research Plan

Please attach applicable sections of the research plan, below.

OMB Number: 0925-0001

1. Introduction to Application (for RESUBMISSION or REVISION only)	
2. Specific Aims	Outreach_and_Education_Core_Aims1021031555.pdf
3. Research Strategy*	Outreach_and_Education_Core1021031569.pdf
4. Progress Report Publication List	
Human Subjects Sections	
5. Protection of Human Subjects	
6. Inclusion of Women and Minorities	
7. Inclusion of Children	
Other Research Plan Sections	
8. Vertebrate Animals	
9. Select Agent Research	
10. Multiple PD/PI Leadership Plan	
11. Consortium/Contractual Arrangements	
12. Letters of Support	
13. Resource Sharing Plan(s)	
Appendix (if applicable)	
14. Appendix	

Outreach and Education Core Aims

AIM 7: The GMR staff will develop and implement outreach and education programs that reach health professionals in the Region with a focus on underserved health communities and health professionals that work in these medically challenging communities so that easy access to NLM resources can be obtained regardless of location or economic status, throughout the five years of the award.

AIM 8: The GMR staff will ensure that all GMR network members have the opportunity to keep current on health sciences information topics and resources such as PubMed so that health professionals receive quality support from GMR Network libraries throughout the five years of the grant.

AIM 9: The GMR staff will increase the number of public health professionals who have new skills in accessing and searching quality health information through online educational opportunities throughout the five years of the grant so that they can easily and effectively access quality information at time of need.

AIM 10: The GMR staff will improve GMR consumer's understanding of quality health information resources available on the Internet so that they make better informed health care decisions throughout the five years of the award.

Outreach and Education Core

AIM 7: The GMR staff will develop and implement outreach and education programs that reach health professionals and students in the Region to ensure they have easy access to NLM resources and understand how to effectively and efficiently use the resources regardless of location or economic status throughout the five years of the award.

Healthy People 2020, developed by several agencies within the U.S. Government, has added the following topics not included in Healthy People 2010 as areas of focus for improving health: adolescent health, blood disorders, dementias, genomics, global health, health-related quality of life, healthcare-associated infections, LGBT health, older adults, preparedness, sleep health, and social determinants of health. These identified topics will serve as a theme throughout the grant. Additionally, based on data from the Agency for Healthcare Research and Quality, many of the ten states in the GMR are far from reaching achievable benchmarks for quality health care in their state. The data also is broken down by race and ethnicity and indicates that in all cases health disparities are higher for minority populations. A variety of approaches will be deployed to reach underserved populations and the healthcare professionals who serve them.

The Health Professionals Outreach Librarian with support from the Health Professionals Workgroup will provide direction for the development of this Aim. The focus will be on developing partnerships within the Region. First, the GMR will partner directly with organizations and educational institutions such as rural health organizations, primary care associations, and colleges and community colleges with allied health programs to develop innovative approaches to reaching members of the organizations or students attending the schools. These partnerships will work to better prepare both practicing health professionals and students to understand health disparities and evidence-based healthcare by introducing them to resources focusing on these topics as well as to general health-related resources.

Second, the GMR will provide project awards to network members to develop and implement healthcare information outreach and education initiatives in their communities. The programs are described more fully in the following paragraphs. The GMR Health Professionals Outreach Librarian and the Health Professionals Workgroup together will identify a list of organizations to be targeted as potential outreach partners. The organizations will be contacted and invited to join the network. These partners will be especially helpful in assessing the health information needs for their members. Working with the NEO, an assessment tool will be developed to help organize and prioritize the needs of organizations regarding health information and health information literacy. Once the assessment has been completed the GMR will develop an outreach and education plan for the organization that may include in-person classes, online classes, exhibiting and webinars. Ideally, the GMR will work to develop partnerships between these associations and health sciences libraries in their community to continue access to information. In some cases, the partnership between the organization and the health sciences library may result in an outreach project.

Outreach and Education project funds also will be awarded to network members who have identified a target group interested in learning more about NLM resources. For instance, there may be health professionals serving Medically Underserved Areas & Populations, Critical Access Hospitals, or Federally Qualified Health Centers interested in training in the effective use of information resources, training on locating and evaluating health information found on the Internet, or promoting awareness of relevant health information resources at their regional, state, and local events through presentations and demonstrations. An announcement of outreach projects will be distributed through the various identified communication modes (listservs, blog, Facebook and Twitter) and through direct contact with network members. The research plan, budget, evaluation measures from the NEO, and other requirements will be included in the announcement. Scoring criteria will be developed and members of the Health Professionals Workgroup will score each application. Awards will be announced to the Region and data will be added to the NN/LM outreach database. To implement the GMR Outreach Plan immediately upon receiving the award, we are working with two Resource Libraries to develop outreach projects that focus on urban and rural community outreach. Ruth Lilly Medical Library Indiana University School of Medicine is developing an outreach project to improve access to health information as well as casual reading for patients living in state psychiatric facilities in Indianapolis/Marion County, IN.

Lilly proposal

The Lilly Medical Library at Indiana University is developing an outreach project that includes partnering with the Indianapolis Marion County Public Library, the National Alliance for the Mentally Ill, Indianapolis Chapter and the Community Health Engagement Program, Indiana along with the six mental health hospitals in Indiana. The program will create an interdisciplinary team of clinicians, policy makers, administrators, support staff, educators, families and the general public. The goal of the project is to improve the lives of adults living in crisis and long-term psychiatric care facilities by creating a traveling library collection to provide all patients with reading materials. The investigators will develop a survey for the hospitals to determine need. A collection development plan will be developed and resources will be purchased so that patients have access to quality reading materials as well as information about their health. Each hospital will be paired with a public library or to the Indianapolis Marion County Public Library to ensure quality service. A public awareness campaign will be developed and presentations will be provided for the public as well as for healthcare professionals on searching the literature for quality information on psychiatric disorders including searching PubMed and MedlinePlus. While part of this project is consumer health, much of the focus will be on training and awareness for the health professionals working with the mentally ill population and understanding ways of enhancing the patient's quality of life through literature and independent decision making.

The Harley E. French Library of the Health Sciences at the University of North Dakota is developing an outreach project that includes partnering with the Center for Rural Health at the University of North Dakota to pilot several projects that will help us understand how information provided by health sciences libraries can impact healthcare. The French Library has been an active participant in the NN/LM since its inception and they continue to see outreach to the rural community as essential to their mission. The five Tribal Colleges are affiliated with the following Tribes: Turtle Mountain Band of Chippewa; Mandan, Hidatsa, & Arikara Nation; Spirit Lake Nation; Standing Rock Sioux Tribe; and Sisseton-Wahpeton Oyate. The five Tribal Colleges are: Fort Berthold Community College (FBCC), New Town, ND; Cankdeska Cikana Community College (CCCC), Fort Totten, ND; Turtle Mountain Community College (TMCC), Belcourt, ND; Sitting Bull College (SBC), Fort Yates, ND; and United Tribes Technical College (UTTC), Bismarck, ND

Project One: Research Support at Tribal Colleges in North Dakota

The five Tribal Colleges in North Dakota are experiencing increasing student numbers as well as increasing offerings for a greater variety of degrees in health-related professions. In addition, they are working to set up infrastructure to create institutional review boards at the colleges, in order to be able to conduct research. However the libraries at these institutions cannot afford the higher-priced biomedical literature. The goal of this project will be to provide resources to the five tribal colleges for the purpose of furthering biomedical education and research endeavors. The French Library will investigate this in conjunction with the Center for Rural Health, the North Dakota INBRE (IDeA Network of Biomedical Research Excellence), and the Native American Research Centers for Health (NARCH).

Project Two: Rural Health Support Network

Many of the rural health professionals in the state of North Dakota are isolated, and the stress level of being the only healthcare provider in the area can be very high. Job burnout and turnover are regular in these areas. The proposed support network for these rural healthcare workers would decrease isolation and burnout and ultimately reduce the turnover of healthcare workers. Network activities would consist of a regularly scheduled webinar or educational opportunity for the members, followed by discussion, idea sharing, and consulting with peer members.

Project Three: Outreach to Critical Access Hospitals

In conjunction with the Center for Rural Health, a needs assessment would be conducted to determine which biomedical and clinical resources are required by the Critical Access Hospitals (CAH) in order to provide improved patient care. Based upon the results of this needs assessment, a plan would be created to assist the CAH in developing collaborations that would help fulfill these needs.

Project Four: Tribal substance abuse counselor resource assistance

Through collaboration with the National American Indian and Alaska Native Addiction Technology Transfer Center (ATTC) in Iowa City, IA, this project would provide access to biomedical resources for substance abuse counselors at the tribal nations in North Dakota.

These projects proposed by the Ruth Lilly Medical Library and the Harley E. French Library of the Health Sciences are examples of how partnering with organizations that have a mission to improve healthcare in a community can facilitate achieving the mission of the NN/LM.

Ensuring that allied health students are versed in evidence-based healthcare (EBHC) is essential to the healthcare of our region and the nation. The GMR Health Professionals Outreach Librarian, working with the Health Professionals Workgroup, will contact community colleges, Historically Black Colleges and Universities, Tribal Colleges, and Hispanic-Serving Institutions to provide faculty with the resources needed to include EBHC in their curricula. This can easily be done through a subject guide that includes information on NLM resources and tutorials. The subject guide can be linked to the instructor's class sites in whatever learning management system they use such as Blackboard. Additionally, the Health Professionals Outreach Librarian or a network member in the community will offer to teach a session on quality health resources for healthcare-related classes. Within the Region, there are 2 Historically Black Colleges, 8 Hispanic-Serving Institutions, 17 Tribal Colleges or Universities, and at least 200 community colleges with nursing and allied health programs. These educational institutions will be the focus for our outreach.

The GMR will exhibit at two national health sciences meetings per year, including the annual Radiological Society of North America meeting which meets in Chicago every year as well as another national meeting being held in the Region. For instance, the American Society of Clinical Oncology is being held in Chicago in June 2016. The DMEC will be a part of the national exhibits program to educate and encourage health professionals to work with their health sciences librarians on data management life-cycle planning.

Funds for exhibit projects will be distributed to network members throughout the five years of the contract to exhibit at Regional or state meetings being held in their community. An updated Toolkit for training and presentation of materials will be available for those network members exhibiting. An announcement of the Exhibit Awards will be distributed through the various identified communication modes as well as through direct contact with network members. The research plan, budget, evaluation measures from the NEO, and other requirements will be included in the announcement. Scoring criteria will be developed and members of the Health Professionals Workgroup will score each application. Awards will be announced to the Region and data will be added to the NN/LM outreach database.

The GMR staff will partner with health sciences library associations and exhibit at state library conferences when possible. Every effort will be made to present at the various meetings where the GMR is exhibiting through events such as vendor updates, lightning rounds of new services, papers, or other venues.

In terms of return on investment from exhibits, the value will be based on number of people reached and cost of exhibiting at the meeting. Additionally, the NN/LM Evaluation Office will be consulted on better ways of measuring success. Adjustments will be made to the exhibit plan as we do our assessments.

A technology improvement program will be implemented by providing Technology Improvement Awards to encourage high quality health information access and delivery to Network members, health professionals, and consumers in the Region. The award is intended to enhance the capacity of a library or organization to offer electronic health information services by supporting the purchase, installation, and/or upgrading of hardware and software. Examples of technology improvement include upgrading equipment in a computer lab, establishing a mobile workstation or mobile devices to support access to health information at the point-of-need, such as for emergency responders or patient care teams on bedside rounds, and upgrading equipment in hospital libraries for services such as interlibrary loan and database searching.

AIM 8: The GMR staff will ensure that all GMR network members have the opportunity to keep current on health sciences information topics and resources enabling them to provide quality support to health professionals in the Region throughout the five years of the grant.

Continuing education for health sciences librarians on NLM products and services, will be coordinated by the Network Librarian. However, all GMR librarians will be active in providing services for the Aim. The GMR website will include a web page that lists online, in-person, and hybrid classes with dates and registration information, and will include classes developed by the GMR, other regions, NLM, and the NTO. Classes also will be promoted using social media. The web page also will have a calendar that lists the classes. An assessment of classes being offered will be done to identify classes that need to be developed; the results of this assessment will be taken to the NNSC or other appropriate NN/LM group to discuss what region(s) will develop the classes and the format to be used. Online portions of classes will be developed using the NN/LM Moodle software. All classes will follow guidelines established by the NTO and evaluation of the classes will be developed using tools from the NEO.

The GMR will work with the NTO to identify training facilities within the Region for in-person classes. For instance, the Hardin Library has two computer classrooms with 25 computers in each room. The computers are maintained by the University of Iowa's Information Technology Services Department on campus so are kept current. Another known training space in the Region is the University of Illinois at Chicago Health Sciences Library. An email to all Resource Libraries in the Region will be sent to identify

additional spaces for in-person training. This information will be relayed to the NTO so plans can be made to travel and promote their in-person classes in a timely manner.

A series of monthly Webinars will be developed on appropriate and interesting topics to be shared with network members. The Webinars will feature an expert on the topic followed by a question and answer session. As with the classes, all Webinars developed by the NN/LM will be promoted throughout the GMR Region and with other Regions in the NN/LM using a variety of modes of communication. Suggested topics include MyNCBI, toxicology resources, systematic reviews, consumer health, affordable care, preservation and conservation after a disaster, new technology, History of Medicine, Big Data, scholarly communications (open access and publishing models), and more.

The GMR will offer a variety of Professional Development Awards to enable network members and potential network members to attend Webinars, classes, and conferences. Examples of professional development activities that would be supported include sponsoring MLA Webinars at a variety of institutions throughout the region, providing travel awards so network members can attend NTO classes being offered in the region, providing stipends for students at schools of library and information science in the Region to attend the MLA Midwest Chapter meeting, and awards for network members to attend regional or state conferences that focus on urban or rural communities and healthcare. Announcement of the Professional Development Awards will be distributed through the various identified communication modes as well as through direct contact with network members. The research plan, budget, evaluation measures from the NEO, and other requirements will be included in the announcement. Scoring criteria will be developed and members of the Health Professionals Workgroup will score each application. Awards will be announced to the Region and data will be added to the NN/LM outreach database.

AIM 9: The GMR staff will increase the number of public health professionals who have new skills in accessing and searching quality health information through online educational opportunities throughout the five years of the grant so that they can easily and effectively access quality information at time of need.

Health Departments typically fall outside the service realm of institutions that offer full-text access to information for researchers, faculty, and students. Budgets do not accommodate desktop access to the public health literature and the public health workforce typically does not have access to training on search techniques or information management. The Aim will be managed by the Community Outreach Librarian with support from the Community Outreach Workgroup. It primarily consists of a two-pronged approach including funds to the University of Iowa Institute for Public Health Practice (IPHP), which will provide a learning platform and instructional design for developing a series of health information literacy classes for public health professionals. The classes will include topics such as MyNCBI, PubMed, MedlinePlus, emergency preparedness, and toxicology resources. The Community Outreach Librarian will provide the content for the classes or content already developed by the NN/LM will be

used. The advantage of partnering with the IPHP is that public health professionals throughout the region, and possibly throughout the nation, are familiar with the platform used by the Institute and the classes can be self-paced for the user.

The Institute for Public Health Practice (IPHP) at The University of Iowa College of Public Health has longstanding expertise meeting the training and education needs of the public health and healthcare workforce and has the capacity to support the design and development of training and education for the Outreach and Education Core of the Regional Medical Libraries for the National Network of Libraries of Medicine proposal.

IPHP includes two training centers: the Midwestern Public Health Training Center (funded by the Health Resources and Services Administration) and the Upper Midwest Preparedness and Emergency Response Learning Center (funded by the Centers for Disease Control and Prevention). IPHP collaborates with a wide range of practice partners at the local, state, regional, and national level to address workforce development needs, including local and state public health agencies, primary care associations, and professional associations.

The Midwestern Public Health Training Center (MPHTC) is one of ten regional coordinating centers in the National Network of Public Health Training Centers. These centers have expertise in content areas such as public health preparedness, health disparities, health equity, social determinants of health, health informatics and health information technology, infectious diseases, environmental public health, chronic conditions, and other Healthy People 2020 topic areas. MPHTC is actively involved in identifying training needs and gaps and developing offerings that meet the needs of the workforce. Trainings incorporate culturally competent content and resources where appropriate.

IPHP uses instructional design principles that are built from four fundamental components—learners, objectives, methods, and evaluation--that are based on Kemp's instructional design model. Any new research on innovative teaching and learning strategies, as well as technologies that enhance learner performance, will also be incorporated to enhance learner outcomes. Successful implementation of distance-based education utilizing the instructional design model requires a skilled team. This team includes content experts to ensure content is accurate and meets the needs of learners; developers that have extensive experience with multimedia platforms to add audio, video, graphic design, photography, and motion animation; instructional designers who bring all the pieces together to design trainings based on sound instructional principles; a learning management system technical specialist that has expertise with course management system (CMS) and learning management system (LMS) integration; an item writer; an evaluator to ensure that the training created is effective and meets target audience needs. Higher retention levels can be achieved by using active learning activities. Examples of active learning activities include scenario-based exercises, simulations, educational games, and role playing.

Evaluation is considered during the planning phase and is part of the instructional design model. Evaluation instruments include review questions at the end of each content section to allow learners to assess knowledge gained and a pre-/post-test to measure learning outcomes. Learners are provided with feedback on all questions. A course evaluation is also used to measure effectiveness (as perceived by the learner) and satisfaction. Staff pilot test the program with the target audience to ensure that it contains appropriate content. Based on the pilot test results, revisions and modifications are made to enhance the training and ensure it meets the needs of the target audience. Feedback is incorporated into the final version of the module. Staff review evaluations as well as pre-/post-test data to ensure the course continues to meet learner needs.

The IPHP will be involved in several key activities related to the Outreach and Education Core. A training needs assessment will be completed in year 1 with key stakeholders and five trainings will be developed in subsequent years to fulfill identified training gaps. Additionally, outreach and promotional efforts will include newsletters, social media, and posting trainings on IPHP's learning management system *Training-Source* as well as in national training databases such as the National *TrainingFinder Real-Time Affiliate Integrated Network* (TRAIN). The IPHP along with the GMR Community Outreach Librarian will work with the NPHCO to ensure there is no duplication regarding training of resources for the public health workforce.

The second approach will be to work with the NPHCO to support the Public Health Information Access Program (PHIA) so that it can expand beyond its current membership. The goal of the PHIA is to better understand which electronic resources are useful, evidence-based, and affordable for public health workers, and to collaborate with partners to provide access.

The GMR Community Outreach Librarian will actively work with the NPHCO to identify public health departments or agencies across the Region interested in participating in the PHIA Program. The project offers training and access to the following resources:

- PubMed, TOXNET, and implementation of LinkOut for full-text access.
- Cochrane Library to facilitate access to systematic reviews.
- 100+ full text e-journal titles available from well-known publishers, such as: Annual Reviews, NEJM, Springer Verlag, Oxford University Press, University of Chicago; Sage Publications, Mary Anne Liebert, and ASM journals.
- Stat!Ref e-books including: ICD-9-CM, Practical Healthcare Epidemiology, 3rd Ed., Chronic Illness, 8th Ed., (2013), Oxford Textbook of Public Health, ASM and Joint Commission titles.
- CABI's Global Health Database, providing international coverage of resources, including reports, conference proceedings and grey literature encompassing topics including the environment, ecology, food safety, social science, and psychology.
- EndNote X/7 for citation management to improve quality of publishing and article management.

- Subsidized “article delivery” service through an academic or hospital library partnership.

Public Health Departments commit to provide contact persons, IT capacity, training sessions, and participation in assessments and Resource Libraries honor their commitments by providing document delivery, consultation on NLM products and other library tools, and helping to facilitate relationships with PHDs.

AIM 10: The GMR staff will improve public librarians and consumers understanding of quality health information resources available on the Internet so that consumers make better informed health care decisions throughout the five years of the award.

The focus of the consumer health program will be to target public librarians and library school students to improve their skills on using quality consumer health resources, to encourage health sciences libraries to partner with community organizations that serve targeted communities such as clinics, schools, and faith-based organizations, and to provide training to organizations that cannot locate a health sciences librarian within their community to provide health information literacy. This Aim will be managed by the Community Outreach Librarian in collaboration with the Community Outreach Workgroup.

A nationwide survey was conducted by Lili Luo and Van Ta Park from San Jose State University in 2013 to gain an understanding as to how to prepare public librarians for consumer health information service. The research indicated that the popular health information needs encountered by public librarians cover a wide variety of topics, including the human body, medical/health conditions, diseases, medical concepts, and fitness/diet/nutrition.

“The top two challenges faced by public librarians when providing consumer health information service were difficulty in interpreting patrons' questions and lack of knowledge about available and trusted/appropriate medical/health information sources. Public librarians wish to receive training on a number of topics that could help address the challenges they face, and the most favorable training format for them, among all the options provided in the survey, was the self-paced online tutorial. According to the authors, their mastery of the necessary skills, knowledge and competencies via training will lead to effective and efficient delivery of consumer health information service in public libraries, and ultimately generate optimal patron experiences.”

Based on this study, the GMR will work within the NN/LM, including the NTO and the other seven NN/LM offices, to develop a self-paced online training program, using the NN/LM Moodle platform, for public librarians that will result in public librarians receiving an MLA-issued Consumer Health Information Specialization. The project will be piloted with the University of Kentucky School of Library and Information Science where five students will receive awards (scholarships) to take the classes and provide feedback to the instructors. Once finalized, the program will then be promoted to other schools of library and information science, public librarians, and health sciences librarians

throughout the region. Partnering with State Libraries will be an option to help with promotion.

The University of Iowa Hardin Library for the Health Sciences has a long history of providing community outreach. During one of our projects, we targeted community health clinics affiliated with the University of Iowa's Institute for Clinical & Translational Science. Five clinics participated in our outreach effort that provided equipment that was placed in their waiting rooms and linked to a consumer health Subject Guide targeted to their community. The most important topics consistently identified for the clinics, in both urban and rural underserved communities, were addiction/substance abuse, child health and development, mental health issues, obesity, and child development resources in another language such as Spanish or Vietnamese. With this information, the GMR will encourage network members to apply for community outreach projects in partnership with clinics and other areas where consumers might go for information. For example, senior centers, hospice centers, schools, health fairs and other community centers are other areas where consumers may look for health information.

An announcement of the awards will be distributed through the various identified communication modes as well as through direct contact with network members. The research plan, budget, evaluation measures from the NEO, and other requirements will be included in the announcement. Scoring criteria will be developed and members of the Community Outreach Workgroup will score each application. Awards will be announced to the Region and data will be added to the NN/LM outreach database.

The Community Outreach Librarian will work with other community outreach librarians and the NTO to ensure that all consumer health classes are current and in a format that can be adapted by other network members interested in presenting the material.

Overall, outreach and education will be region-wide involving as many network members as possible so that health information access is efficient and effective for both health professionals and consumers. The GMR will use a variety of resources and tools to implement the various programs with an emphasis on using various technologies so that resources can be obtained at time of need as well as in-person.

All project fund recipients will be directed to the NEO to access the *Planning and Evaluating Health Information Outreach Projects* series developed by the Outreach Evaluation Resource Center to provide guidance and instruction on developing and evaluating outreach programs.

Timeline

	Year 1	Year 2	Year 3	Year 4	Year 5
AIM 7: Provide outreach and education to health professionals					
Development partnerships with targeted organizations	X	X	X	X	X
Develop and offer outreach and education awards	X	X	X	X	
Implement outreach award to Indiana University	X				
Implement outreach award to University of North Dakota	X				
Develop and execute plan for allied health student programs		X	X	X	X
Exhibit at national meetings	X	X	X	X	X
Develop toolkit for exhibiting		X			
Develop and offer exhibit awards		X	X	X	X
Develop and offer technology improvement awards		X	X	X	X
Evaluate programs and adjust as needed		X	X	X	X
AIM 8: Provide outreach and education to network members					
Create Website of NN/LM classes and keep current	X	X	X	X	X
Identify gaps in education for network members		X			
Work with NN/LM to create the classes		X	X	X	
Promote all NN/LM classes using social media			X	X	X
Identify training centers in GMR for NTO in-person classes	X				
Provide monthly webinars on topics of interest	X	X	X	X	X
Develop and offer professional development awards	X	X	X	X	X
Attend and exhibit at state library conferences	X	X	X	X	X
Evaluate programs and adjust as needed		X	X	X	X
AIM 9: Increase classes offered to public health professionals					
Project funds to U. Iowa College of Public Health	X				
Develop content for public health training via Iowa COPH	X	X	X	X	X
Deliver online classes via Iowa COPH		X	X	X	X
Contact NPHCO for consultation on the PHIA project	X				
Identify PHDs interested in participating in PHIA		X	X	X	
Implement PHIA program in GMR		X	X	X	X
Evaluate programs and adjust as needed					

AIM 10: Improve consumer's understanding of quality health information

Develop online self-paced consumer health training program for public librarians and students	x	x			
Invite library science students to participate from UK		x	x		
Make changes and offer to public librarians and health sciences librarians			x	x	x
Develop and offer consumer health projects Evaluation		x	x	x	x

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