

Mapping the Literature of Gerontological Nursing 2008-2010

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Colloquium, by

Marcia Henry, RIOS, Oviatt Library

Contents

- What is a mapping study?
- How mapping studies assist shaping collections
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What is citation mapping?

- Citation mapping studies the references cited in published articles in key journals for a given period of time.
- Follow standard methodology set by Nursing and Allied Health Resources Section (NAHRS) of the Medical Library Association (MLA)
- To date, over 30 nursing and allied health mapping studies results have been given either as posters, presentations or published in JMLA

Nursing and Allied Health Research Section of Medical Library Association

<http://nahrs.mlanet.org/home/images/activity/posters/collaborativeresearch2011.pdf>

Practice What We Preach: Collaborative Research for Evidence-based Collection Development

Margaret (PhD) Allen, FMA, Health Knowledge Consultants, Stratford, WI; Pamela Sharratt-Nayans, PhD, MN, Hemingway College of Nursing, Lake Mary, FL; Joy Knochley, MEd, Northwest Community Hospital, Arlington Heights, IL; Frances Defenice, MEd, Dana Medical Library, University of Vermont, Burlington, VT.

Devoted to the vision and memory of Lucie Morrey, Collection Development, University of San Francisco, 1957 - 2010

In his last article, Lucie Morrey noted that "Administrators want to see evidence that supports outcomes." This needs to include quantitative as well as qualitative evidence. "The data to library outcomes especially those that have a direct impact on the campus curriculum. Presenting just the numbers will often lead to people ignoring the numbers because they don't have the time to interpret them themselves."

"Mapping" is a process of identifying and analyzing the literature in a specific discipline or field. It is a process of identifying the literature in a specific discipline or field. It is a process of identifying the literature in a specific discipline or field.

Objectives

conduct bibliometric research on the history of nursing and allied health that would support the development of library collections, as well as inform practitioners, the major sources of information in these respective disciplines.

Methods

NANHS research activities began in 1995 with the Mapping the Literature of Allied Health project. This was followed in 2002 by the Mapping the Literature of Nursing project, and in 2007 by the Nursing Journals Project.

Recent activities include:

- Revision of the mapping protocol, now available on the NANHS web site.
- Creation of a wiki for communication between authors and project chairs.
- Creation of a Google+ forum spreadsheet for collaborative collection of journal data.

Mapping Results

The NANHS Mapping Projects:

- Allied Health studies published for 18 disciplines, including three updates.
- Nursing studies published for 17 nursing disciplines (essentially entire data from 18).
- Studies in progress:

- Addiction Counseling
- Healthcare Management
- Pharmacy Assistant
- Health Information Management
- Healthcare Technology
- Speech-Language Pathology
- Critical Care Nursing
- Geriatric Nursing (update)
- Gerontological Nursing (update)
- Healthcare Management (update)
- Public Health Nursing (update)

Mapping the Literature of Allied (selected studies)

Author	Discipline	Number of Studies	Top 5 (Most Journals)
Health Research	Physical Therapy (selected, 2011 in press)	54	Physical Therapy Journals of Physical Medicine & Rehabilitation JAMA
James Burke and Mary Sue	Health Education (update, 2008)	28	Journal of American College Health American Journal of Public Health
Jonathan Porter	Healthcare Technology (update, 2008)	6	Healthcare Journal of Therapeutic Technology Journals of Physical Medicine & Rehabilitation JAMA
Frances Defenice and Joy Knochley	Healthcare Management (update, 2007)	4	Journal of American College Health American Journal of Public Health
Mark (April) Sharratt-Nayans and Frances Defenice	Healthcare Management (update, 2007)	11	Healthcare Journal of Therapeutic Technology Journals of Physical Medicine & Rehabilitation JAMA

Most cited journals from Mapping the Literature of Nursing, 1996 - 2009

Top 5 Cited Journals	Discipline: citing	Included in Zone 1	Total Points
JAMA	36	15	36
New England Journal of Medicine	35	15	35
Journal of Internal Medicine	33	11	39
Journal of Nursing Education	32	10	39
Journal of Nursing Management	32	1	35
American Journal of Public Health	27	6	26
Journal of Hospital Medicine	24	5	25
Journal of Nursing Education	23	4	22
Journal of Nursing Management	23	1	25

Implications for collections: Collections should include all Zone 1 titles for the specific discipline or nursing specialty, plus selected titles from Zone 2. When considering journal additions or cancellations, the most useful information is found within Zone 2.

Nursing Journal Project

- Titles selected from most cited nursing journals, going down to those cited in Zone 2 by at least two libraries. Committee recommendations also considered.
- To qualify for inclusion, title must be in nursing subject of MEDLINE or a highly cited interdisciplinary journal with many nursing authors.
- 217 current titles on 2011 NANHS Nursing Journal Title List.
- Data description includes: Journal title including author instructions, index coverage, full-text sources.

Conclusions

- Vendor lists and citation databases are not completely reliable.
- Consistency and strict attention to detail is essential.
- Mapping studies and core lists are just one tool for collection development decisions to be considered along with institution's mission and usage patterns.

What is Gerontological Nursing?

1. Care of the Elderly
2. American Nurses Association, (ANA) recommended starting a specialty group for geriatric nurses in 1961. First national meeting in 1962. In 1966 became the Division of Specialty Nursing. *Standards for Geriatric Nursing Practice* first published in 1970. Certifications awards started 1975. First professional journal, *Journal of Gerontological Nursing* –v. 1 1975

What was studied?

Identify cited references 2008-2010 in three source journals:

1. *Journal of Gerontological Nursing (JGN)*
 2. *International Journal of Older People Nursing (IJOP)*
 3. *Geriatric Nursing (GN)*
 - by format: book, journal, website, government document
 - By year
- Identify the journal titles cited most frequently (Zone 1). Zone 1 much larger in 2008-2010 study
 - Compare cited journal titles, formats, to the journal titles identified in an earlier, **unpublished** manuscript 1996-1998

Cited references examples in GN-

<http://dx.doi.org/10.1016/j.gerinurse.2008.06.007>

- 9 L. Barrington, P.S. Yoder-Wise

Executive control function: a clinically practical assessment

J Gerontol Nurs, 32 (2006), pp. 28–34

[View Record in Scopus](#) | [Cited By in Scopus](#) (4)

- 10 R.M. Parker, D.W. Baker, M.V. Williams *et al.*

The test of functional health literacy in adults: a new instrument for measuring patients' literacy skills

J Gen Int Med, 10 (1995), pp. 537–541

[View Record in Scopus](#) | [Full Text via CrossRef](#) | [Cited By in Scopus](#) (575)

- 11 R.E. Rudd, J.E. Anderson

The health literacy environment of hospitals and health centers

Boston MA: National Center for the Study of Adult Learning and Literacy www.ncsall.net Cited April 21, 2008

- 12 Doak C, Doak L, Root J. Teaching patients with low literacy skills. 2nd ed. Philadelphia: JB Lippincott.

Gerontological Nursing Study

MLA2013 Annual Conference poster

More citations, large increases in cited journals

Cited Formats	GN+JGN 1996-98	GN+JGN 2008-10
Books	1211	1204
Gov Docs	246	390
Journal Articles	4535	7915
Misc	370	953 (583 websites)
Totals	6362	10,462

Zone 1 journals comparisons 1996-1998 and 2008-2010

1996-1998 GN + JGN

Zone 1 (11 of 11)

Journal of Gerontological Nursing

Journal of the American Geriatrics Society

Gerontologist

Geriatric Nursing

Journal of Gerontology *split 2 parts

JAMA

Nursing Research

New England Journal of Medicine

Geriatrics

Image Journal of Nursing Scholarship

Journal of Advanced Nursing

2008-2010 GN + JGN

Zone 1 (Top 11 of 37)

Journal of the American Geriatrics Society

Journal of Gerontological Nursing

Gerontologist

JAMA

Journal of Advanced Nursing

Geriatric Nursing

International Journal of Geriatric Psychiatry

Journal of Gerontology A

Archives of Internal Medicine

New England Journal of Medicine

Aging & Mental Health

Zone 1 journals compared

Added third journal in 2008-2010

GN + JGN 2008-10

Journal of the American Geriatrics Society

Journal of Gerontological Nursing

Gerontologist

JAMA

Journal of Advanced Nursing

Geriatric Nursing

International Journal of Geriatric Psychiatry

Journal of Gerontology A

Archives of Internal Medicine

New England Journal of Medicine

Aging & Mental Health

Age & Aging

GN + JGN + IJOP 2008-10

Journal of the American Geriatrics Society

Journal of Advanced Nursing

Journal of Gerontological Nursing

Gerontologist

Journal of Clinical Nursing

JAMA

Geriatric Nursing

International Journal of Geriatric
Psychiatry

Age & Aging

Archives of Internal Medicine

Journal of Gerontology Park A

2561	8702	GN	2008	8718	J Gerontol Nurs	2003 J
2562	8702	GN	2008	8725	J Gerontol Nurs	1996 J
2563	8914	GN	2008	8925	J GERONTOL NURS	2006 J
2564	9160	GN	2008	9182	J Gerontol Nurs	2000 J

DATABASE FOR ***GERIATRIC NURSING***

8921: [Flores, Sandi] Amer ASSISTED LIVING NURSES ASSOC, San Marcos, CA USA.
8922: [Flores, Sandi] Community Educ LLC, San Marcos, CA USA.
8923:RP Mitty, E (reprint author), NYU, Coll Nursing, New York, NY 10003 USA
8924:CR Stableford S, 2007, J PUBLIC HEALTH POL, V28, P71, DOI 10.1057/palgrave.jphp.3200102
8925: Barrington L, 2006, J GERONTOL NURS, V32, P28
8926: KUTNER M, 2006, NCES483 US DEP ED NA
8927: *I MED HLTH LIT, 2004, PRESCR END CONF

Used a file from WOS provided by co presenter-assigned unique identifier to each entry

SOURCE TXT FILE FOR GERIATRIC NURSING

Example of master database

Source journal	Source Year	Cited year	Cited journal
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GN	2010	1999	NURS ECON
GN	2009	2008	NURS ECON
GN	2009	2007	NURS ECON
GN	2008	1999	NURS ECON
JGN	2008	2000	NURS ECON
JGN	2008	1990	NURS ECON
JGN	2008	2000	NURS ECON
JGN	2008	2007	NURS ECON
JGN	2008	1992	NURS ECON
JGN	2010	2007	NURS ECON
IJOP	2009	1996	NURS ECON
JGN	2010	2006	NURS ECON

NAHRS protocol for database

5. Populate the database

Having selected source journals, established study parameters, and determined data collection points, a database can now be created, consisting of one record for each cited reference. Exactly how this is accomplished is a function of the number of references anticipated, the resources available, and the author's available time, skills and ingenuity. In the past, mapping authors have used readily available database or spreadsheet software such as Microsoft ACCESS or Microsoft EXCEL to create a database. The advantage of using such products is that the data can easily be analyzed by constructing and running the appropriate queries. Another option is to create an original web-based database with preprogrammed report functions, as was done for the athletic training study [11].

Once the database is designed, data can be entered either manually or downloaded from a bibliographic database such as Web of Science, Scopus or CINAHL. For manual entry, begin by photocopying the Tables of Contents from each journal issue in the three year period and the list of references for each article to be included. Assign a unique identifier to each article, noting it both on the Table of Contents page and on the photocopied reference list. This unique number will be helpful later when resolving discrepancies and errors. Then begin entering data into the database. This process may require a variable length of time to complete, depending upon the number of references to be entered.

An alternative to photocopying the list of references from each article and manually entering them into the database is to download references from a bibliographic database such as Scopus, Web of Science, or CINAHL. This method offers substantial time savings, although it has certain issues of its own. First, the bibliographic database employed must provide complete coverage of the source journal(s). Verify this by comparing the Table of Contents listed in the bibliographic database for the particular issue against that from a print copy. Secondly, the reference lists must be accurately reproduced in the bibliographic database. Again, this should be verified by comparing a sample of articles against the print copy. Lastly, before entering the data, references from any undesired article types, as determined in step 3 above, must be deleted. Downloaded references can be saved electronically, then copied and pasted into the database. The same bibliographic database should be used for all years of a given source journal.

Consistency in data entry is of vital importance when conducting a mapping study. A formal list of journal title abbreviations, such as NLM's *List of Serials Indexed for Online Users* [12] or NLM's *LocatorPlus* [13] should be used to standardize the use of journal titles. However, journal titles can vary markedly due to title changes and mergers. Therefore, except for obvious variations in journal abbreviation conventions (e.g., "J" vs. "Jrnl"), when in doubt, enter journal titles exactly as they appear in the reference list. Authority work will be performed later to collate title variations. If no standard abbreviation is available, enter the complete title.

New titles appearing in Zone 1-

1	470	470	J AM GERIATR SOC	yes zone 1	
2	260	730	J GERONTOL NURS	yes zone 1	
3	215	945	GERONTOLOGIST	yes zone 1	
4	145	1090	JAMA	yes zone 1	
5	135	1225	J ADV NURS	yes zone 1	
6	120	1345	GERIATR NURS	yes zone 1	
7	111	1456	INT J GERIATR PSYCHIATRY	no Zone 1 or 2 v. 1 1986	
8	97	1553	J GERONTOL A BIOL SCI MED SCI	how to treat each section?	
9	94	1647	ARCH INTERN MED	zone 2	
10	83	1730	N ENGL J MED	yes zone 1	
11	78	1808	AGING MENT HEALTH	no Zone 1 or 2 v1 1997-	
12	73	1881	AGE AGEING	no zone 1 or zone 2 v. 1 1972	
13	73	1954	J CLIN NURS	no zone 1 or 2 v.1 1992	
14	71	2025	ANN INTERN MED	zone 2	
15	66	2091	AM J ALZHEIMERS DIS OTHER DEMEN	zone 2? No am	
16	61	2152	J GERONTOL B PSYCHOL SCI SOC SCI		
17	59	2211	J AM MED DIR ASSOC	no zone 1 or zone 2 v. 2003- Pub	
18	59	2270	NURS RES		
19	49	2319	J NURS SCHOLARSH		
20	48	2367	AM J GERIATR PSYCHIATRY	no zone 1 or 2 v. 1 1997	
21	47	2414	AM J NURS		
22	42	2456	J PSYCHIATR RES		
23	42	2498	NEUROLOGY		
24	41	2539	WEST J NURS RES		
25	39	2578	COCHRANE DATABASE SYST REV		
26	38	2616	RES NURS HEALTH		
27	37	2653	INT PSYCHOGERIATR		
28	37	2690	J GEN INTERN MED		

Journal titles identified relevant to CSUN's students and faculty- do we have access? Yes! Wiley Journals

The screenshot shows a web browser window displaying a library catalog record for the "International journal of geriatric psychiatry". The browser is Internet Explorer, and the address bar shows the URL: <http://suncat.csun.edu/search~S7?/international+journal+of+geriatric+psychiatry/international+journal+of+geriatric+psychiatry/1%2C2%2C2CB/frameset&FF=international+journal+of+geriatric+psychiatry&1%2C1%2C/indexsort=->. The record is displayed in a table format with various fields and options.

Start Over **Place a Hold** **Save Record** **MARC Display** **Return to List** **WorldCat**

TITLE: international journal of geriatric ps Periodicals / Serials System Sorted Search

Record: Previous Next

Uniform Title	International journal of geriatric psychiatry (Online)
Title	International journal of geriatric psychiatry [electronic resource].
Published	[Chichester ; New York, N.Y.] : John Wiley & Sons, c1986-

Permanent URL for this record: <http://suncat.csun.edu/record=b1930493>

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Available Electronically:	
Full text available from Wiley-Blackwell Journals (Backfile Content)	Jan. 01, 1986 - Dec. 31, 1995, Jan. 01, 1996- About Resource
Full text available from Wiley-Blackwell Journals (Frontfile Content)	
Full text available from Academic Search Premier	July 01, 1986 - Oct. 09, 2012 About Resource

Description	Monthly, 1991-Quarterly, 1986-1988 Six no. a year, 1989-1990
Publication Date	Vol. 1, issue 1 (July 1986)-
Note	Includes contents and abstracts from 1996. Title from table of contents (Wiley InterScience, viewed: Feb. 13, 2006). Two issues published in 1986.
System Reqs	Mode of access: World Wide Web.
Note	Latest issue consulted: Vol. 21, issue 2 (Feb. 2006); Wiley InterScience, viewed: Feb. 13, 2006.
Subject	Geriatric psychiatry -- Periodicals.
Genre	Electronic journals.
Key Title	International journal of geriatric psychiatry (Online)
Alternate Title	Geriatric psychiatry
Related To	International journal of geriatric psychiatry 0885-6230 (DLC) 87644132 (OCoLC)12681849
ISSN	1099-1166 0885-6230 0885-6230

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Poster MLA2013: OneHealth

Mapping Gerontological Nursing Literature Team

Name	University	Primary Responsibilities in study
Marilia Antunez, Social Work Librarian	Boise State University	Collected data for JGN 2008-2010
Marcia Henry Health Sciences Librarian	California State University Northridge	Collected data for GN 2008-2010-, coordinated and presented poster MLA2013
Dorice L Vieira Clinical Librarian	NYU Health Sciences Libraries	Did original, unpublished 1996-1998 study and collected data for IJOP 2008-2010, excel skills
Kent Randell College Archivist	St. Mary's College of Maryland	Excel skills

References

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Thank you!

