

---

# Developing an academic medical library core journal collection in the (almost) post-print era: the Florida State University College of Medicine Medical Library experience

By Barbara S. Shearer, M.S.L.S., AHIP  
Barbara.Shearer@med.fsu.edu  
Director

Suzanne P. Nagy, M.S.L.S., AHIP  
Suzanne.Nagy@med.fsu.edu  
Technical Services Librarian

Medical Library  
College of Medicine  
Florida State University  
Tallahassee, Florida 32306-4300

---

The Florida State University (FSU) College of Medicine Medical Library is the first academic medical library to be established since the Web's dramatic appearance during the 1990s. A large customer base for electronic medical information resources is both comfortable with and eager to migrate to the electronic format completely, and vendors are designing radical pricing models that make print journal cancellations economically advantageous. In this (almost) post-print environment, the new FSU Medical Library is being created and will continue to evolve. By analyzing print journal subscription lists of eighteen academic medical libraries with similar missions to the community-based FSU College of Medicine and by entering these and selected quality indicators into a Microsoft Access database, a core list was created. This list serves as a selection guide, as a point for discussion with faculty and curriculum leaders when creating budgets, and for financial negotiations in a broader university environment. After journal titles specific to allied health sciences, veterinary medicine, dentistry, pharmacy, library science, and nursing were eliminated from the list, 4,225 unique journal titles emerged. Based on a ten-point scale including SERHOLD holdings and DOCLINE borrowing activity, a list of 449 core titles is identified. The core list has been saved in spreadsheet format for easy sorting by a number of parameters.

---

## OVERVIEW

The Internet, once the domain of high-tech academic and government researchers, has only recently begun to fulfill expectations of medical researchers and information seekers in delivering quality medical information to the desktop. Although long a topic for discussion, it has been only within the last two to three years that library users have been able to access a critical mass of literature in high-quality format via Web interfaces or email. In addition, a large customer base is comfortable with migrating to electronic journals completely and a variety of pricing models have been designed to make this possible.

Though professional society publishers are still struggling with the likelihood of individual subscription cancellations if electronic journals are delivered

via campuswide Internet protocol (IP) ranges, large publishers are now taking dramatic steps to capture and hold the electronic journal market. These publishers make it more cost-effective for academic libraries to cancel print versions in favor of electronic versions and to create consortia to share electronic journal budgets much as libraries have done in sharing print journal collections via interlibrary loan arrangements. This aggressive strategy by publishers has generated a degree of anxiety among librarians who are concerned that electronic journal subscription rates will increase beyond the limits of affordability once libraries have cancelled print subscriptions.

Questions not asked or necessary to ask in the past are now pressing and require a proactive and responsive approach by the library community. These questions include issues surrounding definitions of core

collections and methods for securely archiving costly intellectual property. What does access versus ownership really mean in the twenty-first century library? Has electronic access to the literature changed the way scholarship is conducted? Is an immediately accessible journal viewed differently in terms of quality than one that is more difficult to obtain? What effect are new pricing models and consortium agreements having on the historically independent financial and organizational cultures found in many academic medical libraries?

In this (almost) post-print environment, the Florida State University (FSU) College of Medicine (COM) Medical Library is being developed. Some of the challenges faced by established libraries wrestling with new pricing models for journals do not exist for a library without a history. The opportunity to look at the collection development process anew has been welcomed by the FSU COM.

The development of an effective FSU COM Medical Library collection requires an understanding of the COM curriculum; of the expectations and needs of the faculty, staff, and students of the COM; of the range and depth of the FSU university libraries' collections; and of similar academic medical library collections. The availability of a benchmark core list is highly desirable for developing a journal collection policy, for meeting COM faculty priorities for the collection, for evaluating and providing data for accreditation documents, for selecting vendor e-journal packages, and for negotiating fair and reasonable cost-sharing arrangements with the FSU university libraries. Through a number of efforts described in this article, a core list has been developed that has already proved useful in achieving the objectives noted above and that will continue to inform the Medical Library in future collection efforts. It must be understood, however, that no core list can stand on its own: the intellectual process of weighing unique factors and internal recommendations has been and will continue to be essential throughout the collection development process.

## BACKGROUND

The FSU College of Medicine was created by act of the State of Florida legislature in 2000 to educate primary care physicians who will practice in rural and underserved areas of the state. The program places great emphasis on the use of technology to streamline and integrate all phases of the educational process, as well as to prepare students to use technology in their future practices. The students spend their first two years in Tallahassee taking basic medical science and doctoring courses and learning a variety of informatics skills using laptop computers, personal digital assistants (PDAs), electronic medical records, electronic reporting and assessment tools, and information retrieval techniques.

While on the FSU campus during the first and second years, the students are part of student learning communities consisting of approximately thirty stu-

dents, each having a large commons area with hard-wired computers, digital photocopiers that also serve as laser printers and scanners, a small collection of print reference books and textbooks, and four group study rooms all wired for planned and impromptu teaching opportunities with faculty. The entire COM campus provides wireless access to all medical library resources and educational software. Each student is provided a state-of-the-art laptop and PDA and taught how to use them effectively. The third and fourth years of the curriculum will be spent on regional medical campuses throughout the state, beginning with campuses in Pensacola, Orlando, and Tallahassee. The law creating the College of Medicine mentions specifically that a virtual medical library will be created to serve faculty and students' needs regardless of location.

The FSU COM is a community-based medical school, one of about twenty in the United States in which students train at local medical facilities rather than a university hospital. In the case of FSU, these local facilities are broadly dispersed throughout the state: 200 miles west in Pensacola and 260 miles southeast in Orlando, with more locations to be added in the future. Thus, the Medical Library does not include a local hospital community or faculty and students in nursing or allied health professions as primary users of the library collection. The Medical Library, instead, functions in a large university library system that includes the FSU Main University Library (Strozier), the Dirac Science Library, and the Law Library. These affiliated university libraries house related nursing, basic science, psychology, nutrition, social science, legal, and other print materials sometimes overlapping with the literature of medicine. The university libraries are all within fifteen minutes of the Tallahassee campus of the College of Medicine. In addition, the university libraries subscribe to a significant number of biomedical, bioscience, psychology, nursing, social sciences, and allied health journals in electronic format via both direct licensing and consortium agreements. Most of these are accessible by the entire university.

Approximately \$1.4 million was spent in early 2001, prior to the first year of operation of the FSU COM, to develop a preliminary working core collection. The first class of thirty students began that May. These funds were used primarily, but not exclusively, for subscriptions and five years of back issues of 212 journal titles in print format, as well as subscriptions via OVID and MD Consult to a number of electronic journals. This preliminary collection of journals was selected by consulting faculty and COM administrators and other academic medical library directors, as well as by reviewing journals recommended by the "Brandon/Hill Selected List of Print Books and Journals for the Small Medical Library" [1] and journal subscription lists of several academic medical libraries with missions similar to that of the FSU COM.

Upon the arrival of the library director in November 2001, a number of activities critical to providing library service quickly to the growing student body and

faculty were conducted. The preliminary collection of print books and journals was processed and moved into a newly renovated temporary library facility, systems were set up for circulation of materials, some additions and refinements were made to the Medical Library Website, and a staffing plan was developed and carried out. At the same time, evaluating the preliminary collection and creating a plan for development of the future collections were imperative. First priority went to the journal collection, because a core book collection already existed from a previous first-year program at FSU that fed into the University of Florida College of Medicine. In addition, books continue to be purchased by the Medical Library based on faculty and Curriculum Committee requests and input.

Additional study is practical and advisable for book purchases, because the nature of electronic book publishing is evolving. Databanks or services—such as Dynamed, InfoRetriever, Stat!Ref, NetLibrary, Harrison's Online, MD Consult, PDxMD, and e-Medicine and applications such as Vital Source—may one day replace or radically change curriculum-based book collections. Further analysis and planning will be conducted as the curriculum is rolled out and as new electronic products are created.

## METHODOLOGY

The first task that the Medical Library faced was to gain a complete knowledge of the serial collections available both in print and electronically throughout the several affiliated FSU libraries. During a time when multi-journal packages were added rapidly along with aggregated packages of journals, the FSU collections were changing too fast for catalogers to maintain rigorous bibliographic control. Thus, determining quickly the exact nature and holdings of the collections and evaluating them in terms of quality was difficult. Once knowledge of the FSU medical, biomedical, and behavioral science journal collections was gained, a core journal list specific to serving the FSU COM was developed using a number of quality indicators explained below.

The investigators selected Microsoft Access as the database application most appropriate for the task and, over the course of the analysis, exported the data into a number of spreadsheets for discussion and analysis before continuing with the project. In addition to developing an appropriate core journal list to use in collection development, another important goal was to select the most cost-effective method for purchasing or leasing the journals in the resulting core. To this end, data on offerings and costs for a number of packaged products were added to the database. Furthermore, it was important to determine an approximate value of the university libraries' subscriptions toward developing the Medical Library core. This information would be used to make decisions about packages from publishers, vendors, or both that the Medical Library will purchase for access by the entire university to balance the cost of those that the university libraries have

purchased. Such an approach would be both equitable and easy to administer.

The key field used for locating duplicates in the FSU Access database was the international standard serial number (ISSN). Manual corrections were conducted throughout the process to resolve cases in which journals had different ISSNs for print and electronic subscriptions or for journal records lacking ISSNs. Journal titles and ISSNs for the titles indexed in MEDLINE, along with specific journal holdings for FSU both in print and electronic format, were included in the database. This was done partially for collection assessment purposes, to answer the question "How many journal titles indexed in MEDLINE are held by FSU?" It should be noted that the Medical Library solely supports a community-based medical school. Therefore, most nursing, veterinary medicine, dentistry, allied health, and library science journal titles were excluded from the database and the final database-generated core list.

The initial database was loaded with SERHOLD data from eighteen other community-based medical schools in the United States. These SERHOLD data might represent one of the last opportunities for a snapshot of print journal collections in medical libraries given the current trend away from print and toward electronically accessed journals. The SERHOLD data were entered into the database, which was cleaned as much as possible of error from changed titles, incorrect or duplicate ISSNs, and out-of-scope journals such as most dentistry, veterinary medicine, and nursing titles. Because of the large number of records (over 19,000 individual serial records across all 18 libraries for all journals), it was not possible to eliminate all items that might be out-of-scope, to resolve duplicate or similar titles, or to follow through on all journal titles to be sure that the SERHOLD data were correct or complete. For instance, the *New England Journal of Medicine* was listed as owned by seventeen libraries. When the holdings were checked via the online catalog for the eighteenth library, the *New England Journal of Medicine* was found in the catalog of the larger university library of which the medical library was a part. For this reason, the investigators built in some flexibility when assigning point values for the number of libraries holding a title.

The database contains more than 4,000 unique titles for the eighteen community-based medical school libraries, once duplicate and out-of-scope titles were removed. The information in the database, sorted by a variety of parameters, provides the number of MEDLINE titles held by the FSU library system available in all formats. It also shows the number of core titles available from vendor packages (EBSCO, ProQuest, MD Consult, and OVID). Though the primary objective in undertaking this project was to identify a core journal collection to develop a quality collection, much more can be mined from this relational database.

Table 1 shows the distribution of unique journal titles by number of libraries holding the titles for the entire list of 4,225 unique titles. The distribution of

**Table 1**  
Unique journal titles by number of libraries holding the titles

Number of libraries holding journal title	Percent of libraries	Number of journals	Cumulated number journals	Percent of total journals	Cumulated percent of total journals
18	100.0%	59	59	1.4%	1.4%
17	94.4%	78	137	1.8%	3.2%
<b>16</b>	<b>88.9%</b>	<b>53</b>	<b>190</b>	<b>1.3%</b>	<b>4.5%</b>
15	83.3%	50	240	1.2%	5.7%
14	77.8%	39	279	0.9%	6.6%
13	72.2%	54	333	1.3%	7.9%
12	66.7%	60	393	1.4%	9.3%
11	61.1%	68	461	1.6%	10.9%
<b>10</b>	<b>55.6%</b>	<b>70</b>	<b>531</b>	<b>1.7%</b>	<b>12.6%</b>
9	50.0%	73	604	1.7%	14.3%
8	44.4%	109	713	2.6%	16.9%
7	38.9%	126	839	3.0%	19.9%
6	33.3%	144	983	3.4%	23.3%
5	27.8%	209	1,192	4.9%	28.2%
4	22.2%	247	1,439	5.8%	34.1%
3	16.7%	386	1,825	9.1%	43.2%
2	11.1%	826	2,651	19.6%	62.7%
1	5.6%	1,574	4,225	37.3%	100.0%
		4,225		100.0%	

unique titles by number of libraries holding the titles informed the authors' decision regarding assigning point values. Note that 531 unique journal titles, or 12.6% of the total unique titles, are held by ten or more libraries.

Additional information was added to the database from a number of sources for use as quality indicators. A ten-point system was developed with each item counting as at least one point with some weighted and counting two or three points, for example, if a journal appeared on the "Brandon/Hill Selected List of Print Books and Journals for the Small Medical Library" and was recommended for first purchase, it received three points.

The 140 journal titles on the Brandon/Hill list were selected because of the list's importance to the medical library profession. To get an alternate viewpoint, 265 titles from a list supported by the British Medical Association's *Core Collection of Medical Books and Journals* by Hague [2] was included. In an effort to focus on clinical medicine and evidence-based medicine, the 102 journal titles scanned for the InfoPOEMs Clinical Awareness System [3] and the ninety-six titles reviewed for the ACP Journal Club [4] were also used.\*

Finally, points were given for being highly requested through DOCLINE or for being commonly held by the eighteen community-based medical school libraries in the study. The National Library of Medicine (NLM) provided a ranked order listing of the top 2,000 most requested journal titles between October 2002 and September 2001 [5]. These came from 2.8 million requests from a pool of 20,317 journal titles, thus, the top 10% of the most requested titles. The top 1,000 in this list

represented the top 5% of most requested titles. (NLM notes that some of the titles are new and therefore more likely to be borrowed, and some titles that are very old and established may have a large number of requests for old issues. In addition, it should be noted that some of the titles publish more frequently than others and may therefore receive more requests.)

Journal titles included in the SERHOLD data of at least ten of the eighteen community-based medical school libraries (531 total) received one point. Journal titles in the SERHOLD data indicating holdings in at least sixteen of the eighteen libraries (190 total) received two points. The total possible score for a title was ten. Table 2 summarizes the allocation of points.

Over the course of reviewing a number of variants of the proposed core list and by consulting with COM faculty about specific titles, a final set of weighted criteria and a cut-off point for inclusion was adopted. Based on the ten-point scale, a core list of 449 medical journals was identified, with each journal receiving at least three points out of ten. Table 3 shows the distribution of point values for all 4,225 titles.

Note that when evaluated by point value, the distribution was similar among the journals held by six or more libraries and among journals held by any of the eighteen libraries down to the three-point cut-off. Beyond that, the gap widened dramatically.

This core was and is being tested by consulting faculty during the journal-selection process for the 2002/03 fiscal year budget. Naturally, additional journal titles specific to the unique mission of the college will be selected as they are identified. For instance, the COM collection will include additional titles in geriatrics and health care delivery to the medically underserved, particularly in rural areas. These journals will be identified with strong faculty input and through review of the entire list beyond the three-point cut-off. However, with these disclaimers, the authors are comfortable with the resulting list as a start-

\* InfoPOEMs is part of the online resource InfoRetriever and may be viewed on the Web at <http://www.infopoems.com>. *ACP Journal Club* is published with the *Annals of Internal Medicine* by the American College of Physicians and may be viewed at <http://www.acpj.org>.

**Table 2**  
System for assigning points to journal titles

Criterion	Points
Brandon/Hill selected list of books and journals for the small medical library: 140 journal titles are included from this list (Brandon/Hill list)	2
Brandon/Hill noted as first purchase titles: 60 journal titles (BH 1st purchase)	1
Hague's <i>Core Collection of Medical Books and Journals</i> , 2001, 4th edition, published by the Medical Information Working Party of the British Medical Association: 265 journal titles (some journals on this list were not included in the holdings of any of the 18 libraries in the study) (BMA/Hague)	1
InfoPOEMs Clinical Awareness System list of scanned journals specific to reporting the best evidence: 102 journal titles (Info-POEMs)	1
Journals reviewed for the <i>ACP Journal Club</i> : 96 journal titles (ACP Journal Club)	1
Ranked list of the top 10% of most requested journals on the DOCLINE system October 2000 to September 2001: 2,000 journal titles (10% DOCLINE list)	1
Ranked list of the top 5% of most requested journals on the DOCLINE system October 2000 to September 2001: 1,000 journal titles (5% DOCLINE list)	1
Journals held in common by at least 10 of the 18 community-based medical school libraries studied: 531 journal titles	1
Journals held in common by at least 16 of the 18 community-based medical school libraries studied: 190 journal titles	1
Total possible points	10

ing point for discussions, budget negotiations, and collection assessment activities.

Table 4 shows the distribution by journal title appearance on a number of the quality indicators found on the final core journal list. Note that nearly all of the core journals are also on the list of the 10% most frequently requested DOCLINE titles.

It must be noted that appearance on the lists used as criteria by the investigators does not necessarily capture all of the titles that should be considered for purchase. Obviously, if a journal is held by half of the libraries out of the eighteen library collections studied, it has proved of value to those nine libraries. Table 5 provides some details on the number of journals that do not appear on the core list of 449 titles. An additional 207 titles are held by nine or more libraries, and 144 titles are held by ten or more libraries.

## OUTCOMES

While not infallible, this process accomplished several of the objectives the staff had when we began the project in November 2001. The Medical Library professional staff attained a clearer understanding of the FSU collections and a much better awareness of what a core list can and cannot do in terms of creating a new journal collection. The experience gained by

working with faculty and administrators to create shared visions of the journal collection and for delivering services and resources most effectively to users was very important. Three primary outcomes have been identified.

1. At the outset, it was unclear what constituted an adequate core collection of journals specific to a community-based medical school. Therefore, the most obvious outcome was the development of a core working list that has played a strong role in an assessment of the value of currently available resources. This assessment made it possible for the investigators to report the total number of relevant print and/or electronic resources to two accrediting bodies, the Liaison Committee on Medical Education (LCME) and the Southern Association of Colleges and Schools (SACS).

2. The list of journals and the quality indicators assigned to each journal was used in selecting and de-selecting journals for 2003. It was also used for review with faculty. When asked for recommendations for journal subscriptions, the list often provided faculty members with titles they forgot to mention and with information on quality. There is more to do, but initial discussions have confirmed that the cut-off at three points and above is appropriate, with an occasional two-point journal receiving a recommendation by faculty for subscription.

**Table 3**  
Number of journals in each point category (held by six or more libraries or by any of the eighteen libraries studied)

Number of points based on a 10-point scale	Journals held by 6 or more libraries	Cumulated total	Journals held by any of the 18 libraries studied	Cumulated total
10 points	22	22	22	22
9 points	24	46	24	46
8 points	23	69	23	69
7 points	22	91	22	91
6 points	26	117	27	118
5 points	46	163	47	165
4 points	91	254	95	260
<b>3 points</b>	<b>168</b>	<b>422</b>	<b>189</b>	<b>449</b>
2 points	230	652	457	906
1 point	177	829	536	1,442
0 points	154	983	2,783	4,225

**Table 4** Journal title appearance on a number of the quality indicators found on the final core journal list

Number of libraries holding journal title	Number of journals overall	Cumulative %	Number of journals on Brandon/Hill list	Cumulative %	Number of journals on Info/Retriever list	Cumulative %	Number of journals on BMA/Hague Core list	Cumulative %	Number of journals on ACP Journal Club list	Cumulative %	Number of journals in 10% DOCLINE list	Cumulative %
1	2	100%	0	100%	0	100%	1	100%	1	100%	2	100%
2	5	100%	0	100%	0	100%	4	100%	1	99%	5	100%
3	8	98%	2	100%	4	100%	3	98%	1	98%	8	98%
4	5	97%	1	99%	1	96%	2	96%	1	97%	5	97%
5	7	96%	1	98%	1	95%	5	95%	4	96%	7	95%
6	11	94%	2	97%	1	94%	7	94%	3	93%	11	94%
7	9	92%	0	96%	3	93%	6	89%	2	88%	9	91%
8	5	90%	2	96%	1	89%	2	86%	0	86%	5	89%
9	10	88%	1	94%	3	88%	5	85%	2	86%	10	88%
10	33	86%	2	94%	3	85%	9	83%	5	80%	33	86%
11	37	79%	7	92%	2	82%	9	78%	3	78%	37	79%
12	38	71%	4	87%	1	80%	5	74%	4	75%	38	70%
13	38	62%	9	84%	7	79%	11	71%	7	70%	37	62%
14	19	54%	6	78%	2	71%	7	66%	3	63%	19	53%
15	41	49%	10	66%	6	69%	20	62%	7	59%	40	49%
16	50	40%	19	53%	13	63%	22	52%	9	52%	49	40%
17	72	29%	33	49%	21	41%	45	41%	17	42%	70	29%
18	59	13%	40	29%	25	27%	38	19%	21	23%	57	13%
Totals	449		139		94		201		91		442	

3. When publisher and aggregator information on packages (EBSCO, OVID, MD Consult, ProQuest, Science Direct, Kluwer, and Wiley Interscience) was added to the database, the investigators were able to learn more about the real value of each package in meeting the COM's unique needs. Although a package might have a large number of journal titles overall, the number of core titles not already accessible to the COM might be small. The information allowed the investigators to make better-informed purchasing decisions. In agreements with the university library, we were able to identify the titles most appropriate for us to fund. Both the university and COM libraries were able to make cancellation decisions based on the core list. Having a database with complete information empowered us to make evidence-based decisions.

To summarize, we learned about current collections, developed a reasonable core collection, made equitable and cooperative decisions with the university, and found the most cost-effective method for achieving a quality core in 2003. The knowledge gained during this process provided us with the confidence that only good data can provide.

### FUTURE DIRECTIONS

Future studies may include a comparison of this core list with holdings of a wider sample of academic medical libraries nationwide. Titles of journals owned by other FSU libraries will continue to be entered into the database to be sure a quality collection is maintained and to determine the percentage of university-purchased core medical journals on an ongoing basis. Prices of a variety of aggregated packages or collections from major vendors will be reviewed annually to ensure that the most cost-effective product is procured for the university at large.

The DOCLINE data appear to be a useful quality indicator, especially for the 5% most frequently borrowed titles. Future study using several variables may yield additional insight into the relationship among interlibrary loan activity, journal subscriptions, and appearance on core journal selection lists.

Table 6 includes the twenty-two journals with a point value of ten to illustrate the method used in determining the core. The complete list of titles appears in the appendix. The spreadsheet that lists the quality filters used and point values assigned for all 449 titles in the FSU COM core is available from the authors on request. This spreadsheet can be saved to the desktop, local data can be added, and the list can be sorted by any parameter. The authors appreciate all feedback on the core collection. Perhaps this core collection might serve as the beginning for an expanded core clinical collection beyond the 140 journals in the Brandon/Hill list.

We conclude with a fundamental observation: this project was as much about process as it was about the actual content of the core list. Each library must communicate with and serve its constituents and function within its organizational and financial context. In

**Table 5**  
Number of journals not appearing on the core list of 449 titles

Number of libraries holding journal title	Number of journal titles receiving zero points	Number of journal titles receiving 1 point	Number of journal titles receiving 2 points	Totals
1	1,429	98	45	1,572
2	687	84	50	821
3	258	66	54	378
4	140	62	40	242
5	115	49	38	202
6	50	48	35	133
7	44	26	47	117
8	42	21	41	104
9	18	23	22	63
10	0	13	24	37
11	0	17	14	31
12	0	11	11	22
13	0	6	10	16
14	0	9	11	20
15	0	3	6	9
16	0	0	3	3
17	0	0	6	6
18	0	0	0	0
Totals	2,783	536	457	

**Table 6**  
Twenty-two journals with a point value of 10

Title	Brandon/Hill	BH extra point	BH 1st purchase	Info-Retriever	BMA	ACP Journal Club	10 or more libraries	More than 16 libraries	DOCLINE 1-1,000	DOCLINE 1-2,000	DOCLINE rank	Holding libraries
<i>American Journal of Medicine</i>	X	X	X	X	X	X	X	X	X	X	52	18
<i>American Journal of Obstetrics and Gynecology</i>	X	X	X	X	X	X	X	X	X	X	17	18
<i>American Journal of Psychiatry</i>	X	X	X	X	X	X	X	X	X	X	76	17
<i>American Journal of Public Health</i>	X	X	X	X	X	X	X	X	X	X	119	17
<i>American Journal of Respiratory and Critical Care Medicine</i>	X	X	X	X	X	X	X	X	X	X	330	17
<i>Annals of Emergency Medicine</i>	X	X	X	X	X	X	X	X	X	X	74	16
<i>Annals of Internal Medicine</i>	X	X	X	X	X	X	X	X	X	X	32	18
<i>Annals of Surgery</i>	X	X	X	X	X	X	X	X	X	X	199	17
<i>Archives of General Psychiatry</i>	X	X	X	X	X	X	X	X	X	X	266	18
<i>Archives of Internal Medicine</i>	X	X	X	X	X	X	X	X	X	X	22	18
<i>Archives of Surgery (Chicago, Illinois, 1960)</i>	X	X	X	X	X	X	X	X	X	X	311	17
<i>Arthritis and Rheumatism</i>	X	X	X	X	X	X	X	X	X	X	228	18
<i>Circulation</i>	X	X	X	X	X	X	X	X	X	X	37	18
<i>Critical Care Medicine</i>	X	X	X	X	X	X	X	X	X	X	82	17
<i>Gastroenterology</i>	X	X	X	X	X	X	X	X	X	X	217	16
<i>JAMA: The Journal of the American Medical Association</i>	X	X	X	X	X	X	X	X	X	X	6	18
<i>Journal of Bone and Joint Surgery American Volume</i>	X	X	X	X	X	X	X	X	X	X	108	18
<i>Journal of Infectious Diseases</i>	X	X	X	X	X	X	X	X	X	X	365	18
<i>Journal of the American College of Cardiology</i>	X	X	X	X	X	X	X	X	X	X	61	17
<i>Neurology</i>	X	X	X	X	X	X	X	X	X	X	11	18
<i>New England Journal of Medicine</i>	X	X	X	X	X	X	X	X	X	X	3	17
<i>Pediatrics</i>	X	X	X	X	X	X	X	X	X	X	41	18

gaining knowledge of similar collections, of the nature of specific core lists, of the specific needs and objectives of the FSU College of Medicine, and of the larger FSU university libraries collection, we paved the way for a smooth evolution into the post-print era.

## ACKNOWLEDGMENTS

It is impossible to include all of the gracious and capable people who assisted with this project, first in assisting Nadine Dexter, public services librarian, during the original collection building activities in 2000 and 2001 and, later in 2002, as core lists were generated from SERHOLD coordinators, from library directors and their staffs, and from vendors and many others who provided prompt and courteous assistance. Trying to name all the colleagues who so willingly answered telephone calls and email messages and then followed up with lists and suggestions would be difficult, and, in fact, naming them all here would be impossible. Having embarked on such an exciting adventure as this, we can affirm that when needed most, medical librarians always come through! We acknowledge the marvelous work of Dexter in making some tough decisions that proved to be wise ones and the great staff and team here at FSU. We acknowledge the Medical Library staff who have either worked diligently on many aspects of this project at different times and at different stages or supported the project through many other efforts required in serving the COM. They are Emiko Weeks, Carol Warren, John T. Snead, Wash Anderson, LaVonnia Kincade, and Betsy Nagy.

## REFERENCES

- HILL D, STICKELL HN. Brandon/Hill selected list of print books and journals for the small medical library. *Bull Med Libr Assoc* 2001 Apr;89(2):131-53.
- HAGUE H. Core collection of medical books and journals 2001. 4th ed. London, U.K.: Medical Information Working Party, 2001.
- InfoPoems: the clinical awareness system. [Web document]. [cited 8 Jul 2002]. <<http://www.infopoems.com/journals.cfm>>.
- AMERICAN COLLEGE OF PHYSICIANS-AMERICAN SOCIETY OF INTERNAL MEDICINE. ACP Journal Club: journals reviewed for ACP Journal Club. [Web document]. [cited 19 Oct 2002]. <[http://www.acpjc.org/shared/journals\\_reviewed.htm](http://www.acpjc.org/shared/journals_reviewed.htm)>.
- NATIONAL LIBRARY OF MEDICINE. Ranked list of serials requested of network: all requestors: October 2000 to September 2001. [Excel spreadsheet]. Bethesda, MD: The Library, Mar 2002.

Received November 2002; accepted February 2003

## APPENDIX

### Core list of titles with total number of points assigned

Points out of 10	Title
4	<i>Academic Medicine</i>
3	<i>ACP Journal Club</i>
3	<i>Acta Cytologica</i>
3	<i>Acta Neurologica Scandinavica</i>
4	<i>Acta Obstetrica et Gynecologica Scandinavica</i>
5	<i>Acta Orthopaedica Scandinavica</i>
4	<i>Acta Paediatrica</i> (Oslo, Norway)
3	<i>Acta Physiologica Scandinavica</i>
4	<i>Acta Psychiatrica Scandinavica</i>
3	<i>Addiction</i> (Abingdon, United Kingdom)
3	<i>Advances in Experimental Medicine and Biology</i>
3	<i>Advances in Neurology</i>
5	<i>Age and Ageing</i>
8	<i>AIDS</i> (London, United Kingdom)
3	<i>AIDS Patient Care and STDs</i>
3	<i>AIDS Research and Human Retroviruses</i>
4	<i>Alcoholism, Clinical and Experimental Research</i>
3	<i>Alimentary Pharmacology &amp; Therapeutics</i>
3	<i>Alternative Therapies in Health and Medicine</i>
7	<i>American Family Physician</i>
8	<i>American Heart Journal</i>
9	<i>American Journal of Cardiology</i>
8	<i>American Journal of Clinical Nutrition</i>
8	<i>American Journal of Clinical Pathology</i>
5	<i>American Journal of Emergency Medicine</i>
6	<i>American Journal of Epidemiology</i>
3	<i>American Journal of Forensic Medicine and Pathology</i>
6	<i>American Journal of Gastroenterology</i>
3	<i>American Journal of Hematology</i>
8	<i>American Journal of Human Genetics</i>
3	<i>American Journal of Hypertension</i>
3	<i>American Journal of Kidney Diseases</i>
3	<i>American Journal of Medical Genetics</i>
10	<i>American Journal of Medicine</i>
10	<i>American Journal of Obstetrics and Gynecology</i>
4	<i>American Journal of Occupational Therapy</i>
8	<i>American Journal of Ophthalmology</i>
3	<i>American Journal of Orthopsychiatry</i>
8	<i>American Journal of Pathology</i>
3	<i>American Journal of Perinatology</i>
5	<i>American Journal of Physical Medicine &amp; Rehabilitation</i>
4	<i>American Journal of Physiology</i>
4	<i>American Journal of Preventive Medicine</i>
10	<i>American Journal of Psychiatry</i>
10	<i>American Journal of Public Health</i>
10	<i>American Journal of Respiratory and Critical Care Medicine</i>
7	<i>American Journal of Roentgenology</i> (AJR)
9	<i>American Journal of Sports Medicine</i>
8	<i>American Journal of Surgery</i>
3	<i>American Journal of Surgical Pathology</i>
6	<i>American Journal of the Medical Sciences</i>
6	<i>American Journal of Tropical Medicine and Hygiene</i>
3	<i>American Surgeon</i>
7	<i>Anaesthesia</i>
4	<i>Analytical Biochemistry</i>
4	<i>Anesthesia and Analgesia</i>
8	<i>Anesthesiology</i>
5	<i>Angiology</i>
6	<i>Annals of Allergy, Asthma &amp; Immunology</i>
10	<i>Annals of Emergency Medicine</i>
10	<i>Annals of Internal Medicine</i>
6	<i>Annals of Neurology</i>
4	<i>Annals of Otolaryngology, Rhinology, and Laryngology</i>
3	<i>Annals of Pharmacotherapy</i>
3	<i>Annals of Plastic Surgery</i>

Points out of 10	Title	Points out of 10	Title
10	<i>Annals of Surgery</i>	8	<i>Canadian Medical Association Journal/Journal de l'Association Médicale Canadienne (CMAJ)</i>
3	<i>Annals of the New York Academy of Sciences</i>	5	<i>Cancer Research</i>
5	<i>Annals of the Rheumatic Diseases</i>	9	<i>Cancer</i>
3	<i>Annals of the Royal College of Surgeons of England</i>	5	<i>Cardiovascular Research</i>
6	<i>Annals of Thoracic Surgery</i>	5	<i>Cell</i>
3	<i>Annual Review of Medicine</i>	8	<i>Chest</i>
4	<i>Antimicrobial Agents and Chemotherapy</i>	3	<i>Child Development</i>
3	<i>Archives of Biochemistry and Biophysics</i>	3	<i>Circulation Research</i>
9	<i>Archives of Dermatology</i>	10	<i>Circulation</i>
7	<i>Archives of Disease in Childhood</i>	3	<i>Clinical and Experimental Dermatology</i>
3	<i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i>	4	<i>Clinical and Experimental Immunology</i>
4	<i>Archives of Environmental Health</i>	4	<i>Clinical Cancer Research</i>
10	<i>Archives of General Psychiatry</i>	5	<i>Clinical Chemistry</i>
10	<i>Archives of Internal Medicine</i>	4	<i>Clinical Endocrinology</i>
9	<i>Archives of Neurology</i>	3	<i>Clinical Genetics</i>
9	<i>Archives of Ophthalmology</i>	4	<i>Clinical Infectious Diseases</i>
9	<i>Archives of Otolaryngology—Head &amp; Neck Surgery</i>	3	<i>Clinical Nephrology</i>
7	<i>Archives of Pathology &amp; Laboratory Medicine</i>	6	<i>Clinical Obstetrics and Gynecology</i>
9	<i>Archives of Pediatrics &amp; Adolescent Medicine</i>	8	<i>Clinical Orthopaedics and Related Research</i>
9	<i>Archives of Physical Medicine and Rehabilitation</i>	3	<i>Clinical Otolaryngology and Allied Sciences</i>
10	<i>Archives of Surgery</i>	6	<i>Clinical Pediatrics</i>
3	<i>Arteriosclerosis, Thrombosis, and Vascular Biology</i>	3	<i>Clinical Pharmacokinetics</i>
10	<i>Arthritis and Rheumatism</i>	9	<i>Clinical Pharmacology and Therapeutics</i>
3	<i>Arthroscopy: The Journal of Arthroscopic &amp; Related Surgery</i>	4	<i>Clinical Radiology</i>
3	<i>Atherosclerosis</i>	3	<i>Clinics in Geriatric Medicine</i>
3	<i>Aviation, Space, and Environmental Medicine</i>	4	<i>Clinics in Laboratory Medicine</i>
3	<i>Biochemical and Biophysical Research Communications</i>	3	<i>Clinics in Perinatology</i>
4	<i>Biochemical Journal</i>	3	<i>Clinics in Plastic Surgery</i>
4	<i>Biochemical Pharmacology</i>	3	<i>Clinics in Podiatric Medicine and Surgery</i>
3	<i>Biochemistry</i>	5	<i>Clinics in Sports Medicine</i>
3	<i>Biochimica et Biophysica Acta</i>	3	<i>Comprehensive Psychiatry</i>
3	<i>Biological Psychiatry</i>	10	<i>Critical Care Medicine</i>
3	<i>Biology of Reproduction</i>	3	<i>Current Opinion in Obstetrics &amp; Gynecology</i>
4	<i>Birth (Berkeley, CA)</i>	5	<i>Cutis: Cutaneous Medicine for the Practitioner</i>
7	<i>BJOG: An International Journal of Obstetrics and Gynaecology</i>	3	<i>Dermatology (Basel, Switzerland)</i>
3	<i>BJU International</i>	3	<i>Developmental Medicine and Child Neurology</i>
8	<i>Blood</i>	9	<i>Diabetes</i>
9	<i>BMJ (clinical research edition)</i>	5	<i>Diabetes Care</i>
4	<i>Brain Research</i>	4	<i>Diabetic Medicine: A Journal of the British Diabetic Association</i>
5	<i>Brain: A Journal of Neurology</i>	3	<i>Diabetologia</i>
4	<i>British Journal of Anaesthesia</i>	7	<i>Digestive Diseases and Sciences</i>
4	<i>British Journal of Cancer</i>	3	<i>Disease-a-Month (DM)</i>
4	<i>British Journal of Clinical Pharmacology</i>	6	<i>Diseases of the Colon and Rectum</i>
3	<i>British Journal of Dermatology</i>	3	<i>Drug and Alcohol Dependence</i>
5	<i>British Journal of General Practice</i>	3	<i>Drugs</i>
5	<i>British Journal of Haematology</i>	3	<i>Ear, Nose, &amp; Throat Journal</i>
3	<i>British Journal of Neurosurgery</i>	4	<i>EMBO Journal</i>
4	<i>British Journal of Nutrition</i>	5	<i>Emergency Medicine Clinics of North America</i>
4	<i>British Journal of Ophthalmology</i>	3	<i>Endocrine Reviews</i>
4	<i>British Journal of Pharmacology</i>	3	<i>Endocrinology and Metabolism Clinics of North America</i>
3	<i>British Journal of Plastic Surgery</i>	7	<i>Endocrinology</i>
5	<i>British Journal of Psychiatry: The Journal of Mental Science</i>	3	<i>Environmental Health Perspectives</i>
6	<i>British Journal of Radiology</i>	3	<i>Epidemiologic Reviews</i>
3	<i>British Journal of Sports Medicine</i>	3	<i>Epilepsia</i>
7	<i>British Journal of Surgery</i>	3	<i>European Heart Journal</i>
3	<i>British Medical Bulletin</i>	3	<i>European Journal of Biochemistry/FEBS</i>
3	<i>Bulletin of the World Health Organization</i>	3	<i>European Journal of Cancer</i>
3	<i>Burns: Journal of the International Society for Burn Injuries</i>	3	<i>European Journal of Endocrinology</i>
3	<i>CA: A Cancer Journal for Clinicians</i>	3	<i>European Journal of Immunology</i>
3	<i>Calcified Tissue International</i>	3	<i>European Journal of Pharmacology</i>
3	<i>Canadian Journal of Physiology and Pharmacology</i>	3	<i>European Journal of Surgery/Acta Chirurgica</i>
3	<i>Canadian Journal of Psychiatry/Revue Canadienne de Psychiatrie</i>	3	<i>Experimental Cell Research</i>
3	<i>Canadian Journal of Public Health/Revue Canadienne de Santé Publique</i>	4	<i>Eye (London, United Kingdom)</i>
4	<i>Canadian Journal of Surgery/Journal Canadien de Chirurgie</i>	4	<i>Family Medicine</i>
		5	<i>Family Practice</i>
		3	<i>FASEB Journal: Official Publication of the Federation of American Societies for Experimental Biology</i>
		3	<i>FEBS Letters</i>
		8	<i>Fertility and Sterility</i>

Points out of 10	Title	Points out of 10	Title
3	<i>Foot &amp; Ankle International</i>	4	<i>Journal of Hand Surgery</i>
10	<i>Gastroenterology</i>	4	<i>Journal of Hand Surgery (Edinburgh, United Kingdom)</i>
3	<i>Gastrointestinal Endoscopy</i>	4	<i>Journal of Healthcare Management/American College of Healthcare Executives</i>
7	<i>Geriatrics</i>	4	<i>Journal of Histochemistry and Cytochemistry</i>
3	<i>Gerontologist</i>	3	<i>Journal of Hospital Infection</i>
9	<i>Gut</i>	3	<i>Journal of Hypertension</i>
3	<i>Gynecologic Oncology</i>	3	<i>Journal of Immunological Methods</i>
3	<i>Hastings Center Report</i>	8	<i>Journal of Immunology (Baltimore, MD)</i>
3	<i>Headache</i>	3	<i>Journal of Infection</i>
3	<i>Health Affairs (Project Hope)</i>	10	<i>Journal of Infectious Diseases</i>
4	<i>Health Care Management Review</i>	4	<i>Journal of Internal Medicine</i>
3	<i>Health Education &amp; Behavior</i>	3	<i>Journal of Investigative Dermatology</i>
3	<i>Health Psychology</i>	7	<i>Journal of Laboratory and Clinical Medicine</i>
4	<i>Health Services Research</i>	7	<i>Journal of Laryngology and Otology</i>
4	<i>Heart &amp; Lung: The Journal of Critical Care</i>	3	<i>Journal of Manipulative and Physiological Therapeutics</i>
8	<i>Heart (British Cardiac Society)</i>	4	<i>Journal of Medical Ethics</i>
4	<i>Hepatology (Baltimore, MD)</i>	5	<i>Journal of Medical Genetics</i>
3	<i>Histopathology</i>	3	<i>Journal of Medical Microbiology</i>
3	<i>Hospital Medicine (London, United Kingdom)</i>	6	<i>Journal of Nervous and Mental Disease</i>
3	<i>Hospital Topics</i>	4	<i>Journal of Neurochemistry</i>
6	<i>Hospitals &amp; Health Networks/AHA</i>	6	<i>Journal of Neurology, Neurosurgery, and Psychiatry</i>
3	<i>Human Genetics</i>	3	<i>Journal of Neurophysiology</i>
4	<i>Human Pathology</i>	4	<i>Journal of Neuroscience</i>
3	<i>Human Reproduction (Oxford, United Kingdom)</i>	3	<i>Journal of Neuroscience Research</i>
4	<i>Hypertension</i>	8	<i>Journal of Neurosurgery</i>
3	<i>Immunological Reviews</i>	3	<i>Journal of Nuclear Medicine</i>
3	<i>Immunology</i>	3	<i>Journal of Nutrition</i>
5	<i>Infection and Immunity</i>	3	<i>Journal of Occupational and Environmental Medicine</i>
3	<i>Injury</i>	5	<i>Journal of Oral and Maxillofacial Surgery</i>
3	<i>International Journal of Cancer/Journal International du Cancer</i>	3	<i>Journal of Orthopaedic Research</i>
3	<i>International Journal of Clinical Practice</i>	3	<i>Journal of Orthopaedic Trauma</i>
3	<i>International Journal of Dermatology</i>	4	<i>Journal of Pathology</i>
3	<i>International Journal of Eating Disorders</i>	4	<i>Journal of Pediatric Orthopedics</i>
4	<i>International Journal of Epidemiology</i>	4	<i>Journal of Pediatric Surgery</i>
3	<i>Investigative Ophthalmology &amp; Visual Science</i>	9	<i>Journal of Pediatrics</i>
10	<i>JAMA: The Journal of the American Medical Association</i>	6	<i>Journal of Pharmacology and Experimental Therapeutics</i>
3	<i>Journal of Acquired Immune Deficiency Syndromes (1999)</i>	3	<i>Journal of Pharmacy and Pharmacology</i>
3	<i>Journal of Adolescent Health</i>	5	<i>Journal of Physiology</i>
9	<i>Journal of Allergy and Clinical Immunology</i>	3	<i>Journal of Psychosomatic Research</i>
6	<i>Journal of Alternative and Complementary Medicine</i>	3	<i>Journal of Reproductive Medicine</i>
3	<i>Journal of Anatomy</i>	5	<i>Journal of Rheumatology</i>
3	<i>Journal of Antimicrobial Chemotherapy</i>	3	<i>Journal of Rural Health</i>
5	<i>Journal of Applied Physiology (Bethesda, MD)</i>	6	<i>Journal of Studies on Alcohol</i>
3	<i>Journal of Arthroplasty</i>	4	<i>Journal of Substance Abuse Treatment</i>
3	<i>Journal of Behavioral Medicine</i>	3	<i>Journal of Surgical Research</i>
5	<i>Journal of Biological Chemistry</i>	4	<i>Journal of the American Academy of Child and Adolescent Psychiatry</i>
10	<i>Journal of Bone and Joint Surgery American Volume</i>	7	<i>Journal of the American Academy of Dermatology</i>
9	<i>Journal of Bone and Joint Surgery British Volume</i>	4	<i>Journal of the American Board of Family Practice</i>
4	<i>Journal of Cardiovascular Pharmacology</i>	4	<i>Journal of the American College of Cardiology</i>
3	<i>Journal of Cell Biology</i>	3	<i>Journal of the American College of Nutrition</i>
4	<i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i>	9	<i>Journal of the American College of Surgeons</i>
9	<i>Journal of Clinical Endocrinology and Metabolism</i>	7	<i>Journal of the American Dietetic Association</i>
6	<i>Journal of Clinical Epidemiology</i>	9	<i>Journal of the American Geriatrics Society</i>
7	<i>Journal of Clinical Investigation</i>	6	<i>Journal of the American Medical Informatics Association (JAMIA)</i>
5	<i>Journal of Clinical Microbiology</i>	3	<i>Journal of the American Medical Women's Association (1972)</i>
4	<i>Journal of Clinical Oncology</i>	3	<i>Journal of the American Podiatric Medical Association</i>
7	<i>Journal of Clinical Pathology</i>	8	<i>Journal of the National Cancer Institute</i>
4	<i>Journal of Clinical Pharmacology</i>	3	<i>Journal of the National Cancer Institute Monographs</i>
4	<i>Journal of Clinical Psychiatry</i>	3	<i>Journal of the National Medical Association</i>
3	<i>Journal of Comparative Neurology</i>	3	<i>Journal of the Neurological Sciences</i>
4	<i>Journal of Consulting and Clinical Psychology</i>	3	<i>Journal of Parenteral and Enteral Nutrition (JPEN)</i>
3	<i>Journal of Critical Care</i>	4	<i>Journal of the Royal Society of Medicine</i>
4	<i>Journal of Endocrinology</i>	8	<i>Journal of Thoracic and Cardiovascular Surgery</i>
4	<i>Journal of Epidemiology and Community Health</i>	7	<i>Journal of Trauma</i>
4	<i>Journal of Experimental Medicine</i>	8	<i>Journal of Urology</i>
9	<i>Journal of Family Practice</i>	6	<i>Journal of Vascular Surgery</i>
4	<i>Journal of Forensic Sciences</i>		
5	<i>Journal of General Internal Medicine</i>		

Points out of 10	Title	Points out of 10	Title
4	<i>Journal of Virology</i>	3	<i>Patient Education and Counseling</i>
3	<i>Journal of Women's Health &amp; Gender-Based Medicine</i>	3	<i>Pediatric Annals</i>
7	<i>Journals of Gerontology Series A, Biological Sciences and Medical Sciences</i>	7	<i>Pediatric Clinics of North America</i>
6	<i>Journals of Gerontology Series B, Psychological Sciences and Social Sciences</i>	3	<i>Pediatric Infectious Disease Journal</i>
5	<i>Kidney International</i>	4	<i>Pediatric Research</i>
3	<i>Laboratory Investigation: A Journal of Technical Methods and Pathology</i>	10	<i>Pediatrics</i>
9	<i>The Lancet</i>	4	<i>Pharmacological Reviews</i>
5	<i>Laryngoscope</i>	3	<i>Pharmacotherapy</i>
4	<i>Life Sciences</i>	4	<i>Physical Medicine and Rehabilitation Clinics of North America</i>
3	<i>Manual Therapy</i>	4	<i>Physical Therapy</i>
3	<i>Maturitas</i>	3	<i>Physiological Reviews</i>
5	<i>Mayo Clinic Proceedings</i>	3	<i>Physiology &amp; Behavior</i>
5	<i>Medical Care</i>	7	<i>Plastic and Reconstructive Surgery</i>
8	<i>Medical Clinics of North America</i>	4	<i>Postgraduate Medical Journal</i>
4	<i>Medical Decision Making</i>	6	<i>Postgraduate Medicine</i>
3	<i>Medical Economics</i>	4	<i>Practitioner</i>
5	<i>Medical Education</i>	3	<i>Prenatal Diagnosis</i>
6	<i>Medical Journal of Australia</i>	4	<i>Preventive Medicine</i>
4	<i>Medical Letter on Drugs and Therapeutics</i>	3	<i>Primary Care</i>
5	<i>Medicine and Science in Sports and Exercise</i>	4	<i>Proceedings of the National Academy of Sciences of the United States of America</i>
7	<i>Medicine: Analytical Reviews of General Medicine, Neurology, Psychiatry, Dermatology, and Pediatrics</i>	3	<i>Progress in Brain Research</i>
3	<i>Menopause (New York, NY)</i>	4	<i>Progress in Cardiovascular Diseases</i>
4	<i>Metabolism: Clinical and Experimental</i>	3	<i>Psychiatric Clinics of North America</i>
4	<i>Methods in Enzymology</i>	3	<i>Psychiatric Services (Washington, DC)</i>
3	<i>Modern Healthcare</i>	3	<i>Psychological Bulletin</i>
3	<i>Molecular and Cellular Biochemistry</i>	4	<i>Psychological Medicine</i>
4	<i>Molecular and Cellular Biology</i>	3	<i>Psychopharmacology</i>
3	<i>Molecular Endocrinology (Baltimore, MD)</i>	4	<i>Psychosomatic Medicine</i>
3	<i>Molecular Pharmacology</i>	4	<i>Psychosomatics</i>
3	<i>Morbidity and Mortality Weekly Report (MMWR)</i>	5	<i>Public Health Reports (Washington, DC, 1974)</i>
3	<i>Muscle &amp; Nerve</i>	5	<i>QJM: Monthly Journal of the Association of Physicians</i>
5	<i>Nature</i>	5	<i>Radiologic Clinics of North America</i>
5	<i>Nature Genetics</i>	9	<i>Radiology</i>
4	<i>Nature Medicine</i>	3	<i>Respiratory Medicine</i>
3	<i>Nephrology, Dialysis, Transplantation</i>	7	<i>Rheumatology (Oxford, United Kingdom)</i>
3	<i>Nephron</i>	4	<i>Scandinavian Journal of Gastroenterology</i>
3	<i>Neurologic Clinics</i>	4	<i>Scandinavian Journal of Infectious Diseases</i>
10	<i>Neurology</i>	3	<i>Schizophrenia Bulletin</i>
3	<i>Neuron</i>	5	<i>Science</i>
3	<i>Neuroscience</i>	4	<i>Scientific American</i>
3	<i>Neuroscience Letters</i>	3	<i>Seminars in Hematology</i>
8	<i>Neurosurgery</i>	3	<i>Seminars in Oncology</i>
10	<i>New England Journal of Medicine</i>	6	<i>Sexually Transmitted Diseases</i>
3	<i>New Zealand Medical Journal</i>	3	<i>Social Science &amp; Medicine (1982)</i>
3	<i>Nucleic Acids Research</i>	3	<i>South African Medical Journal/Suid-Afrikaanse Tydskrif Vir Geneeskunde</i>
5	<i>Nutrition Reviews</i>	5	<i>Southern Medical Journal</i>
4	<i>Obstetrical &amp; Gynecological Survey</i>	5	<i>Spine</i>
3	<i>Obstetrics and Gynecology Clinics of North America</i>	3	<i>Sports Medicine (Auckland, New Zealand)</i>
9	<i>Obstetrics and Gynecology</i>	6	<i>Stroke: A Journal of Cerebral Circulation</i>
3	<i>Occupational and Environmental Medicine</i>	9	<i>Surgery</i>
3	<i>Oncogene</i>	8	<i>Surgical Clinics of North America</i>
6	<i>Ophthalmology</i>	5	<i>Thorax</i>
4	<i>Oral Surgery, Oral Medicine, Oral Pathology, Oral Radiology, and Endodontics</i>	3	<i>Thrombosis and Haemostasis</i>
6	<i>Orthopedic Clinics of North America</i>	3	<i>Transfusion</i>
5	<i>Otolaryngologic Clinics of North America</i>	4	<i>Transplantation</i>
5	<i>Otolaryngology—Head and Neck Surgery</i>	3	<i>Transplantation Proceedings</i>
4	<i>Pain</i>	5	<i>Urologic Clinics of North America</i>
3	<i>Palliative Medicine</i>	3	<i>Urology</i>
		3	<i>Virology</i>
		4	<i>Western Journal of Medicine</i>