

**The Biomedical Libraries
Dartmouth College/Dartmouth-Hitchcock Medical Center
FY03 (July 2002-June 2003) Annual Report**

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The Biomedical Libraries' core priorities are

- **information** – providing health and life sciences information that supports research and scholarship, teaching, and patient-care,
- **education** – developing and implementing programs to train and educate faculty, staff, and students in the skills needed to effectively find, evaluate, and manage health and life sciences information, and
- **communication** – partnering with our clients, being familiar with their needs, and providing and promoting resources and services that support those needs.

The level and character of use of the Libraries in FY03 largely continued trends from previous years – namely, that document delivery, use of the Biomedical Libraries Web and digital information, the number of digital journals, and client education all increased, while circulations (of non-digital information), reference desk transactions, and client photocopying were down. The "gate count" - the number of people entering the physical Libraries - has been relatively constant during the last five years. (See the appendix.) The Libraries may be settling into a symbiotic equilibrium of digital- and physical facility-based resources and services.

Staff.

See <http://www.dartmouth.edu/~biomed/about.html#Chart.pdf>.

The Biomedical Libraries successfully grappled with a number of staffing challenges during the year, including beginning to rebuild the Document Delivery unit.

We had a very successful recruitment of an Information and Education Services Librarian.

Budget.

In FY03, we canceled 58 journal titles. Cancellations are necessary most years just to deal with the gap between the inflation in the cost of information (mostly, journals published by for-profit publishers) and the level of institutional support. And to have any capacity to add new, needed titles, lesser-used current titles must be canceled. Unfortunately, most of the "marginal" titles have been canceled in previous years so we are now in the position of cutting titles that have moderate use.

Currently, taxpayers invest billions of dollars in funding health and life sciences research; the results of that research are reported in scientific publications. However, institutions and their libraries are forced to buy back the results of the research by subscribing to very expensive journals. There is growing momentum behind "open access" - the concept of free and unrestricted on-line access to research and scholarship. For example, the Public Library of Science (<http://www.plos.org/index.html>) is inaugurating a new open access journal - PLoS Biology. And legislation has been introduced in the U.S. Congress that could have the effect of assuring public access to reports from federally-funded research. In FY04 we will work to advocate open access research and scholarship.

Support for the Biomedical Libraries' information resources is shared between the Medical School and Arts and Sciences (through the College Library). On the Medical School side,

FY03's budgeted expenses were \$762,784. Actual expenses were over budget by approximately \$100,000, for a variety of reasons - higher than predicted inflation, a one-time expense for a digital journal backfile, an accounting change concerning a major digital journals package, adding UpToDate, and savings from other areas that were directed to acquiring information resources. The overage was covered by transfers from the Libraries' other accounts and minor use of Reserves.

The Medical School's subvention for information resources is \$838,064 in FY04. This represents a \$75,280 / 9.87% increase over FY03. The increase comes from additional subvention and rebudgeted funds from the Biomedical Libraries' non-information resources DMS accounts. However, we predict that the cost of the current array of information resources will grow in FY04 beyond the budgeted subvention. Consequently, we will need to effect eliminations in order to keep the cost of what remains within the available monies. We are projecting that we will need to eliminate about \$50,000 worth of information funded by DMS, including approximately \$15,000 in journal subscriptions - a usual annual cut, these days.

Arts and Sciences support for information resources was \$464,251 in FY03 and will be \$466,634 in FY04. Despite level funding, continued high inflation and an accounting change concerning a major digital journals package requires eliminating \$50,000 worth of information funded by Arts and Sciences. After consulting with faculty, we are eliminating BIOSIS (Biological Abstracts) in order to protect journal subscriptions to the extent possible.

Programs.

Information.

We have a coherent information resources management program in which the array of resources is constantly reviewed to maintain its value to the research and scholarly, educational, and clinical needs of clients.

Notwithstanding budgetary pressures - and perhaps advanced by them - FY04 will see a desirable acceleration of the Libraries' move to providing many journals in one format only: digital. In FY03, about 80 titles were transitioned; in FY04, more than 300 will be. In any case, the number of health and life sciences digital journals available to clients continues to climb. In June 1999, the Biomedical Libraries Web listed approximately **450** digital journal titles. In June 2000, it listed **553**; in June 2001, **1,572**; in June 2002, **2,059**, and in June 2003, **2,681**. (See the appendix.)

The Digital Library at Dartmouth (<http://diglib.dartmouth.edu/>) debuted in January 2003. "eResource" folders for Biological Sciences (with subfolders), Biochemistry, Genetics, and Medicine and Health (many subfolders) were created to help lead clients to the Library's numerous digital resources.

At the end of FY02, we signed a license to make UpToDate, a highly useful clinical information resource, available to clients on-site at the College/DMS and DHMC/Lebanon campuses. UpToDate is a hugely popular tool - 76,000 topics were viewed in FY03. MD Consult (MDC) is another clinical information resource that includes a number of key medical textbooks (reference books). Use of MDC leveled off in FY03, most likely due to the popularity of UpToDate. The Libraries partner with the Dartmouth-Hitchcock Clinic to fund MDC and with the Department of Medicine to fund UpToDate; these two partnerships are prominent successes in funding the acquisition and licensing of specialized clinical information resources.

At the end of FY02, we signed a license to make Incyte's BioKnowledge Library available to Dartmouth and DHMC. (The first two years of the license was purchased with financial help from the laboratory of Chuck Cole, Professor of Biochemistry and of Genetics.) The

BioKnowledge Library is a set of proteomics databases that is highly valued by many laboratories at Dartmouth. We see the continued acquisition and licensing of information resources to support the institutions' genetics and computational biology programs as a fundamental responsibility of the Libraries. In consultation with Dartmouth Academic/Research Computing, we are developing a model in which the Libraries would be responsible (given available funding) for resources that are 1) data- or information-oriented (rather than being application software), and 2) generally available (rather than available just to a select number of researchers).

But at the same time we are providing such a wealth of digital information resources and services - books and journals, databases, clinical information resources, image banks, primary resources, subject guides, digital library infrastructures, etc. - the whole technical infrastructure is difficult to use for geographically dispersed clients, like those from the Medical School and Dartmouth-Hitchcock. The introduction of local broadband access via DSL (digital subscriber line), cable, and satellite has complicated matters tremendously. Kerberos as an authentication/authorization scheme has difficulties with many of the high-speed systems; the proxy server as the classic work-around often doesn't serve. Moreover, the information technology infrastructures of Dartmouth and Dartmouth-Hitchcock continue to diverge, as does computing support provided by Arts and Sciences ("Kiewit") and the Medical School. The Biomedical Libraries collaborate with the appropriate technical units, and some progress is being made - for example, with the recent launch of the College's Virtual Private Network - but it is still a challenge to find broad, inter-institutional solutions.

Document Delivery is one of the Biomedical Libraries' most highly utilized services, particularly given the dual libraries and contracting "local" collections (i.e., journal titles subscribed to or licensed by Dartmouth). Through Document Delivery, Dartmouth clients may request information - nearly always, copies of journal articles - and it will be delivered whether it is in Dartmouth's collections or must be procured from a non-Dartmouth library. Such service was up 12% from FY02 to FY03 - even while the unit was undergoing numerous staffing transitions - building on a 39% increase from FY01 to FY02. The increase is due to the ongoing need to cancel journal subscriptions - we are moving from an "ownership" model to an "access when needed" model - the Medical School's burgeoning research portfolio (both grant-writing and publication of research results), and an increase in the number of faculty and programs (including a new Department of Genetics in the Medical School).

Information resources outcomes for FY04.

- Eliminate selected journal subscriptions/licenses and other information resources to stay within available funds.
- Identify life sciences interdisciplinary areas at Dartmouth and DHMC and their constituent communities, assess current models to provide information resources and services, and describe and implement new models (if appropriate).
- Promote "open access" research and scholarship among the health and life sciences communities at Dartmouth and Dartmouth-Hitchcock.
- Promote attention to and resolution of technical issues surrounding "remote access" to information resources.
- Document Delivery Services: implement "DartDoc;" continue to rebuild staffing in the unit.

Education.

In FY03, we offered 199 programs - a 16% increase from FY02 - and had approximately 2,450 attendees - a 3% increase from the year before. An appendix details the depth and variety of the Libraries' education programs.

We focus on substantive involvement in the curricula of the Medical School and Biological Sciences and relevant life sciences interdisciplinary areas. We do open-enrollment workshops, major presentations (such as conferences, orientations, and grand rounds), and department-focused individual and small-group tutorials. Topics include finding and evaluating high-quality health and life sciences information, access and use of full-text journals and textbooks (e.g., MDC), specific databases (e.g., MEDLINE, CINAHL, PsycINFO, Web of Science, the Library Catalog), presentation skills (use of PowerPoint and development of effective presentations), information management support tools (e.g., EndNote), web searching tips and techniques, publishing in the health sciences, consumer health, PDAs, computational biology resources and tools, and evidence-based medicine, among other topics. (See the appendix.) Many courses are designated for continuing-education credit.

We began the "Library Advisor" program in FY03. In this exciting new program, Information and Education Services Librarians are assigned specific groups of Medical students from each of the four years of the curriculum, plus MD/PhD students. Library Advisors act as "coaches" for the individual students: Advisors help students acquire skills in finding, interpreting, and using information; with assignments that involve information and/or the Libraries; with use of the Libraries' resources and services, whether the students are on- or (especially) off-site, and resolve any questions or problems they might have about the Libraries. In FY04, we will work to significantly expand our services and outreach to undergraduate and graduate students in the life sciences.

The Biomedical Libraries and Medical School Computing partnered to offer a series of "faculty/physician seminars." This new program, for DMS faculty/physicians (including residents), covered standard topics - advanced techniques for presentations with PowerPoint, clinical applications of PDAs, managing citations and bibliographies, Blackboard, etc. - but was a new approach. Rather than have in-library classes that seem relatively inaccessible to clients, and in addition to department-based efforts of Librarian Liaisons, the faculty/physician seminars are in non-library spaces on both campuses, are mid-day events that include lunch, and are for faculty/physicians only. This will be an annual program; in future years, we will cover topics such as guiding patients to reliable health information resources, evidence-based medicine, web authoring, remote access to the Libraries' resources and services, advanced research techniques, etc.

We continue to increase our education emphases in the areas of genetics and computational biology. Sheila Gorman is being developed as an expert within the Libraries; at the very beginning of FY04, she took a two-week "Short Course on Medical and Experimental Mammalian Genetics" at The Jackson Laboratory. With this and other preparation, and synchronized with the arrival of Pamela Bagley, our new Information and Education Services Librarian, we will develop education for both clinicians and basic scientists on genetics and computational biology information resources; we continue to investigate options to insert teaching about these resources into the Medical School curriculum and the life sciences undergraduate programs.

Assessing and developing librarians' teaching skills is important. Karen Odatto, the Biomedical Libraries' Education Coordinator, is collaborating with the College Library's Director of Research and Informatics Learning and the Library's core educators to address this need. Also, Karen is enrolled in the 2003 ACRL Immersion program; her focus there is on teaching skills assessment and development. And the Biomedical Libraries 2003 October Conference will focus on teaching assessment.

We need to develop education programs to meet the needs of life sciences interdisciplinary communities at Dartmouth and DHMC. We will be focusing Pamela Bagley on the life

sciences specifically - and the College Library interdisciplinary council will advance efforts, as well.

Regarding general resident education, Cindy Stewart, Associate Director/Health Sciences Library, is a member of DHMC's Graduate Medical Advisory Committee. The ACGME's (American Council for Graduate Medical Education) new competency requirements in practice-based learning and systems-based practice and the consequently heightened efforts of DHMC's GME (Graduate Medical Education) office are providing an ideal entry point for the Biomedical Libraries.

Education program outcomes for FY04.

- Expand services and outreach to undergraduate and graduate students in the life sciences.
- Assess and develop Biomedical Librarians' teaching skills.
- Develop education programs to meet the needs of life sciences interdisciplinary communities at Dartmouth and DHMC.
- Develop an education program in genetics and computational biology.
- Complete implementation of new education programs within the DMS curriculum.
- Elevate awareness of and expertise with PubMed among the Dartmouth and Dartmouth-Hitchcock health and life sciences communities.

Communication.

Communication is one of the Biomedical Libraries' core priorities. The goals are to market and promote health and life sciences information and resources, and the Biomedical Libraries and our staff.

The Librarian Liaison Program (see <http://www.dartmouth.edu/~biomed/services.html#liaison.html>) is the framework for establishing partnerships with our clients – particularly to support the Libraries' core priorities of education and communication. In the Liaison Program, Information and Education Services Librarians serve as collaborators with specific units of the Medical School, DHMC, Biological Sciences, and various life sciences-focused interdisciplinary programs. New faculty are introduced to the Libraries and our resources and services; the Director sends each new faculty member a letter introducing the relevant Liaison, and Librarians follow-up by providing one-on-one and group orientations and tutorials.

In general, Librarians update faculty, staff, and students about new information resources and services; they attend faculty meetings, seminars, conferences, grand rounds, and other events. Librarians are expected to know their clientele and their projects and priorities and be attentive to their needs for information resources and services. Librarians contribute to various undergraduate, graduate, and Medical School classes; they make presentations at departmental symposia, grand rounds, and lecture series.

In FY04 we will assess the current Liaison Program with the goal of providing extensive support of institutional priorities while still maintaining broad outreach programs.

In FY03, for the sixth year, we developed and sponsored a regional conference for New England librarians. See <http://www.dartmouth.edu/~biomed/services.html#conferences>. October 2002's Conference was "The Web: Super Searching; Super Teaching." FY04's Conference is "Better Teaching Through Assessment."

Communication outcomes for FY04.

- Determine clients' needs for and perceptions about library and information resources and services. Describe a program of client assessment, including a process for continual assessment.

- Assess current status of Librarian Liaison Program, define expectations for performance (service guidelines), and hold Liaisons accountable for success.
- Develop a marketing and communication plan.

Appendix: FY03 Summary Statistics.

	1998/1999 FY99	1999/2000 FY00	2000/2001 FY01	2001/2002 FY02	2002/2003 FY03	% change FY02-FY03
GATE COUNT	287,115	279,448	253,613	265,579	271,327	2%
INFORMATION RESOURCES						
Expenditures (all sources)						
Monographs	\$116,367	\$76,667	\$55,454	\$74,923	\$68,214	-9%
Serials	\$945,695	\$1,064,600	\$1,079,848	\$1,169,729	\$1,312,454	12%
Binding	\$29,846	\$37,969	\$35,475	\$32,441	\$31,043	-4%
Total	\$1,091,908	\$1,179,236	\$1,170,777	\$1,277,093	\$1,411,711	11%
Holdings						
Books	95,644	100,764	99,535	96,396	97,295	1%
Serial Volumes	149,010	150,071	152,821	156,289	158,382	2%
Microforms	22,486	22,867	13,326	13,326	13,326	0%
Other Formats	27,503	27,483	27,701	27,938	28,185	1%
Total Collection Size	294,643	301,185	293,383	293,949	297,188	1%
Subscriptions						
Ejournals linked on BL Web, 6/30	450	553	1,572	2,059	2,681	30%
CIRCULATION						
External	121,274	108,857	81,377	64,697	55,408	-14%
Reserves	22,640	20,195	18,435	17,766	17,555	-1%
In-house	13,040	10,453	8,740	7,734	7,832	1%
	85,594	78,209	54,202	39,197	30,021	-23%
INFORMATION CONTACTS						
Directional	12,128	7,666	5,801	5,478	4,748	-13%
Reference	20,289	19,040	19,074	17,075	17,737	4%
Total	32,417	26,706	24,875	22,553	22,486	0%
MEDIATED SEARCHING						
Search Requests	754	486	508	537	533	-1%
EDUCATIONAL SERVICES						
Programs	143	169	173	172	199	16%
Attendance	1,800	1,733	1,855	2,390	2,453	3%
Contact Hours	166	193	221	200	236	18%
INTERLIBRARY LENDING/BORROWING						
Items Lent						
Photocopies	6,190	5,537	5,931	5,518	5,246	-5%
Books	5,390	5,052	5,341	5,043	4,879	-3%
Other	789	484	581	475	367	-23%
	11	1	9	0	0	0%
Requests Received						
	7,758	6,678	7,947	7,305	5,630*	-23%*
Items Borrowed						
Photocopies	7,391	6,581	8,061	10,915	11,948	9%
Books	6,877	6,197	7,624	10,435	11,437	10%
Other	498	376	430	480	511	6%
	16	8	7	0	0	0%
PHOTOCOPY SERVICES (articles)						
Document Delivery Service/Biomed Collections		7,979	10,620	14,403	17,295	20%
Document Delivery Service/From Other DCL		471	644	1,041	878	-16%
Fee-based Service	998	977	449	837	717*	-14%*
For Contracting DHA Institutions	695	454	447	713	575	-19%
For Russian Libraries			297	593	480	-19%
Total Articles		9,881	12,457	17,587	19,945	13%
PHOTOCOPYING (pages)						
Public Copiers	620,948	602,790	451,156	342,735	275,036	-20%
Staff Copiers	289,999	242,313	264,607	266,519	230,877	-13%
Total	910,947	845,103	715,763	609,254	505,913	-17%
LASER PRINTING (pages)						
	342,081	452,717	537,097	624,436	786,794	26%

* Provisional.

Appendix: FY03 Education Programs.

workshop/orientation name	attendees	contact hours	instructor	orientation?	nurses?
July					
gme orientation	30	0.5	cs	yes	
tour/orientation	8	0.75	fp	yes	7
medline and tour - derm residents	5	1	mw	yes	
medline and tour - residents	2	1.5	sg	yes	
cinahl tutorial	1	0.75	fp		
tour/orientation	1	0.75	fp	yes	1
adv. Powerpoint	2	1.5	di		
ovid medline	4	1.5	fp		
pda tutorial	1	1	ko		
full-text workshop - ob residents	8	1	ko		
orientation - 3 nurses	3	0.75	tm	yes	3
	11 65	11			
August					
dms 1 orientation	80	1.5	all	yes	
dms 2 orientation	75	0.25	ko	yes	
endnote workshop for nccc -beginners	3	1	ko		
endnote workshop for nccc - adv.	3	1	tm		
full-text/current awarenesssurgery gr rounds	25	1	cs		
functional restoration program	7	1	cs		
photoshop tutorial	1	1	jd		
intro. powerpoint	2	1.5	di		
intro powerpoint - derm residents	6	1.5	di		
ovid tutorial	2	1	cs		
endnote tutorial	1	1	mw		
kosovar students - tour/orientation	2	1	fp	yes	
	12 207	12.75			
September					
ebm - surg gr rounds	30	1	tm		
kosovar students - medline and web	2	1.5	fp		
ebm, pda, etc. - gim residents	3	1.5	cs		
medline	4	1.5	sg		
intro to pda	4	1.5	cs		2
microbiol orientation	26	2	ps,sg,tm		
pubmed - kosovar students	2	1	fp		
nsg orientation	12	1	fp	yes	12
orientation - nursing students	2	0.75	fp	yes	2
intro to powerpoint	6	1.5	di		1
functional restoration program	8	1	cs		
LGR - addictions	70	1	hb		
cecs - orientation	75	1	tm	yes	
cecs - orientation	75	0.75	di	yes	
cecs-elliott fischer's class	65	1	tm		
cecs-elliott fischer's class again	65	1	tm		
cons.health web sites - cvmc	6	1.5	fp		
	17 455	20.5			

1st Quarter**40 727 44.25****October**

pda - clin apps	1	1.5	ko		
adv powerpoint	8	1.5	di		1
lib/web orientation	2	0.75	fp	yes	2
bio 7 class	6	1.5	ps		
pda tutorial	1	1.5	cs		
tour/orientation	2	0.75	fp	yes	2
pda primer - cvmc	15	1	cb		
adv powerpoint	5	1.5	di		1
pda - clin apps	2	1.5	ko		
peds residents - ebm	15	1	ko		
derm residents - ebm	4	1	ko		
russians - 2 tour sessions	4	2	fp	yes	
russians - 11 education sessions	4	13	all		
ovid medline	3	1.5	tm		
ovid tutorial	1	1	hb		
ovid tutorial	1	1	hb		
func rest program	8	1	hb		
pp tutorial	1	1	hb		
womanwise @ cdh	8	1.5	hb		
pp tutorial	1	1	hb		1
ebm - acog in bermuda	100	1	ko		
finding and evaluating....-acog in bermuda	100	1	ko		
	22	292			38.5

November

intro to powerpoint	8	1.5	di		3
peds residents - pda clin apps	20	1	ko		
intro to pubmed	5	1.5			1
current awareness workshop	9	1.5	fp		3
web searching	1	1.5	ko		
high school students - bio resources	21	1	tm	yes	
endnote	5	1.5	ko		1
pda - cvmc	7	1	cb		4
tour/orientation	41	1	fp	yes	40
cinahl tutorial	2	1	cs		2
tour/orientation	1	1	cs	yes	
pda - clin apps to dms 1 and 2	20	1	ko		
pda tutorial	1	1	ko		
resources tutorial	1	1	ko		
ovid tutorial - cvmc	1	1	cb		
	15	143			17.5

December

adv powerpoint	8	1.5	di		
pda tutorial	1	1	fp		1
medline	5	1.5	sg		
lgr - copyright	80	1	bob donin		
ebm - pharmacy	12	1	ko		
concord intern	1	1	ko		

ob dept presentation	40	0.5	ko		
ICE - CiM, et al	60	1	sg, cs, et.al.		
	8	207			8.5
2nd Quarter	45	642			64.5
January					
cecs - occup and envt resources	62	0.75	tm		
intro to pp	6	1.5	di		
medline	2	1.5	tm		
endnote	2	1	tm		
tutorial - lib advisee	1	1	fp		
web tutorial	1	1	fp		1
tour/orientation - scope of practice	20	0.75	fp	yes	20
lib skills - admin assts	6	1	hb	yes	
ID nurses NH	17	1.5	fp,cs		17
overview of resources tutorial	1	1.5	mw	yes	
path residents - orientation and medline	2	1	mw	yes	
current awareness workshop	2	1.5	fp		
tour	3	1	fp	yes	1
functional restoration group	5	1	cs		
current awareness workshop	3	1.5	fp		3
endnote for path students	2	1	tm		
medline	2	1	tm		
EBM for psych research center	15	1	ko		
endnote tutorial	1	1	ko		1
EBM for PBL - dms 2	50	1	ko		
concord intern - tutorial	1	1	ko	yes	
lib orientation tutorial - cvmc	1	0.5	cb	yes	
	22	205			24
February					
pdas - clin apps workshop	5	1.5	ko		3
adv pp workshop	3	1.5	di		
ebm/intro to ovid at CVMC	2	1	cb		2
orientation	5	1	fp	yes	5
kosovo docs	3	2	fp		
lgr - genetics	20	1	sg		
env 80 students	7	0.5	sg		
dms 2 - CiM	50	1.25	sg and joe		
orientation and cinahl	8	1	fp	yes	8
pubmed	1	1.5	fp		1
orientation	1	0.75	fp	yes	1
dms 2 students	4	1	cs		
dms 1 - Cim	50	1.25	sg and joe		
pda tutorial	1	1	fp		1
ppt and web tutorial	1	1	fp		1
endnote workshop -dana	2	1.5	tm		
endnote tutorial	1	1	ko		
pda tutorial	1	1	ko		
	18	165			20.75
March					
ovid medline workshop	3	1.5	fp		

adv web searching	2	1.5	ko		
intro to pp	7	1.5	di		2
fac development - york, me	18	1	tm		
orientation	7	1.5	fp	yes	6
healthy heart presentation	15	1.5	fp, cs		
orientation	1	1	cs	yes	
cons health resources - cvmc	6	1.5	cb		
overview of lib resources - cvmc tutorial	1	0.5	cb	yes	
ebm - ob residents	6	1	ko		
orientation - tutorial	1	1	ko		
2 concord interns	2	1	ko	yes	
intro to web searching - gifford	12	1	ko		
adv web searching - gifford	12	1	ko		
EBM - IM faculty symposium	20	3	ko, cs		
	15	113			19.5
3rd Quarter					
	55	483			64.25

April

endnote workshop	8	1.5	ko		
endnote workshop	4	1	ko		4
adv pp	5	1.5	di		
adv pp fac seminar	16	1.5	di		
human bio 2/envt studies 4	35	1	ps		
lib services overview	45	0.5	cs		
orientation	8	1	fp	yes	8
ovid tutorial	1	1.5	mw		
full-text - cvmc	1	1	cb		
functional restoration group	9	1	cs		
web orientation - rehab	15	1	fp		
ovid medline and full-text	3	1.5	fp		
medline workshop	1	1.5	sg		
current awareness workshop	2	1.5	fp		
hands-on web practice - gifford	5	1	ko		
web search tutorial	1	1	ko		
endnote - 3 nurses	3	1	ko		3
ebm for psych residents	6	1.5	ko		
endnote tutorial	1	1	ko		
ON DOC 1 - indiv. Sessions	80	1	all		
endnote tutorial	1	1	ko		
web search tutorial - gifford doc	1	1	ko		
	22	251			25.5

May

full-text workshop	1	1.5	fp		
current awareness	3	1	fp		3
adv pp for ob residents	7	1	di		
tour/orientation	3	1	fp	yes	3
intro to pp workshop	2	1.5	di		
orientation	1	1	fp	yes	1
adv pp workshop	1	1.5	di		
endnote faculty seminar	17	1	tm		
pda faculty seminar	12	1	ko		
pp tutorial	1	1	hb		

gifford staff meeting presentation	25	0.25	ko		
lgr - chronic illness	30	1	cs		
lib orientation - cvmc	1	1	cb	yes	
	13	104			13.75
June					
ovid tutorial	2	1	fp		
uptodate tutorial	2	1	fp		
ebm, web, etc. tutorial	1	1	fp		1
orientation - cvmc	1	0.25	cb	yes	
current awareness - rehab	15	1	fp		
current awareness - poison ctr.	5	1.5	fp		
functional restoration group	8	1	cs		
orientation for chaplaincy interns	6	0.5	cs	yes	
pubmed workshop	3	1.5	fp		
cinahl - nursing students	5	1.5	fp		5
orientation - nursing students	11	1	fp		11
blackboard intro faculty seminar	8	1	sg		
blackboard interactivity	4	1	sg		
concord intern tutorial	1	1	ko		
endnote for ob residents	5	1	ko		
endnote tutorial	1	1	ko		
guiding patients workshop - gifford	2	1	ko		
Year 3 Orientation + PDA workshop	50	1.5	ko		
web searching workshop	1	1	ko		
residents orientation	75	0.5	cs		
careers in medicine - 3rd years	30	0.5	sg		
tutorials	3	1	sg		
tour/orientation	1	1	hb	yes	
tutorials - cdh	6	1	hb		
	24	246			23.75
4th Quarter					
	59	601			63
TOTALS					
	199	2453		37	202