

HSLs *Update*

UNIVERSITY OF PITTSBURGH

Health Sciences Library System

www.hsls.pitt.edu

June 2004

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Wireless Computing at Falk Library

HSLs is pleased to announce the availability of wireless computing in Falk Library! Wireless network technology allows users to access HSLs resources and the Internet from most study areas within Falk Library, using a laptop computer with a wireless network card. However, there are a few requirements for using the wireless network.

First, laptop computers must have a wireless network card installed. Please note that the University's Computing Services and Systems Development (CSSD) will support only the following hardware: Cisco Aironet 340/350 cards with 128 bit encryption; the Orinoco Gold card; the Enterasys RoamAbout 128 bit encryption card; and the Apple AirPort 128 bit encryption card. CSSD does not sell wireless network cards.

Second, a University computer account issued by the University of Pittsburgh is required. If you need an account, please contact your supervisor for details regarding a sponsored account.

Finally, the Falk Library Computer and Media Center will provide wireless users with directions on how to obtain a Wired Equivalent Protocol (WEP) authentication number from CSSD. This security protocol number allows you to configure your wireless cards to connect to the wireless network ports installed within the library.

Please call 412-648-9109 or stop by the Computer and Media Center with any questions or comments about the Falk wireless system, and watch future issues of the HSLs Update for further news about the wireless system.

--Fran Yarger



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HSLs Now Delivers Books

Many of the 30,000+ UPMC and University of Pittsburgh library users work or live in locations that are not convenient to our physical library facilities. To address this reality, HSLs Document Delivery Services now offers a new service - delivery of books right to your home or office. We can deliver books via UPS or via the Pitt or UPMC interoffice mail system. We can deliver most published books, whether they are in HSLs libraries, in other Pitt libraries, or obtained from outside the University through interlibrary loan. There is a fee for this service, but HSLs subsidizes the majority of the costs involved. For UPS delivery, a

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HSLs Now Delivers Books

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prepaid return label is included with the book. To return a book, simply pack it, attach the mailing label, and call UPS to pick it up.

To make ordering books and copies a little easier, there are now two separate request forms on the HSLs Web site – one for books and one for copies of articles, chapters and other documents.

Depending on how far away you are, how much time you have, and whether you need to make a special trip to the library just to pick up a book, this service may be less expensive than the gas and parking fees it takes to visit the library in person! For complete information, see <www.hsls.pitt.edu/services/documentdelivery>.

--Ammon Ripple

HSLs Book Delivery Services and Fees

Service Level	Turnaround Time	Fee
Pickup at HSLs Libraries (Falk, WPIC, UPMC Shadyside, or CHP)	1-3 working days if in HSLs collections 3-5 working days if in other Pitt libraries 5-10 working days if requested from other libraries	No charge to pick up a book at an HSLs Library
Pitt or UPMC InterOffice Mail Delivery	2-5 working days if in HSLs collections 3-7 working days if in other Pitt libraries 6-12 working days if requested from other libraries	\$3.50 per item for all requests
UPS Ground Delivery	2-4 working days if in HSLs collections 3-5 working days if in other Pitt libraries 6-12 working days if requested from other libraries	\$6.00 per item for all requests
UPS Express Delivery (Available for HSLs items only.)	Next day (if ordered before 2:00pm) Call 412-648-2037 to ensure express delivery.	\$15.00 per item

HSLs Update is produced by the

University of Pittsburgh Health Sciences Library System, Falk Library of the Health Sciences, 200 Scaife Hall, Pittsburgh, PA 15261 <www.hsls.pitt.edu>. Contact HSLs with questions, comments or ideas at 412-648-8796, or send email to medlibq@pitt.edu.

Editor: Rebecca Abromitis, MLS, baa@pitt.edu

Graphics: Lori Schaub, schaubl@pitt.edu

Contributors: Rebecca Abromitis, MLS; Ansuman Chattopadhyay, PhD; John Erlen, PhD; Andrea Ketchum, MLIS; Mary Lou Librecht; Stephanie Lunsford; Ammon Ripple, MLS; Melissa Saul, MS; Nancy Tannery, MLS; Deb Silverman, MLS; Fran Yarger, MA

Introducing the HSLs Consumer Collection

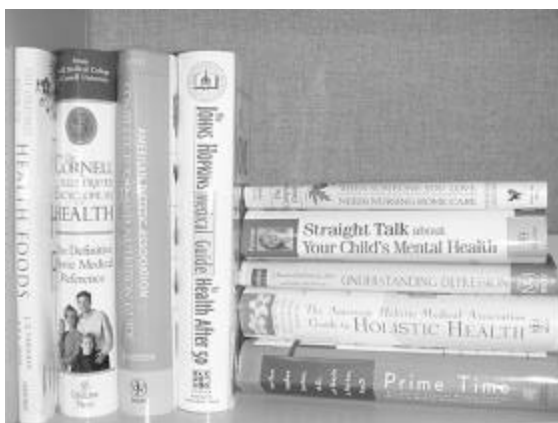
When HSLs opened the Hopwood Library at UPMC Shadyside in 2000, the librarians faced the daunting but exciting task of building a consumer health collection literally from the foundation. They sorted through catalogs, Web sites, and booklists to identify the best consumer health books available for purchase. As consumer demand for reliable health information grows, librarians of all types are facing the same dilemma we faced—of all the materials that are out there, what are the essential books to have on hand to begin a consumer health information service?

Thanks to a grant from the Shadyside Hospital Foundation, and collaboration between HSLs and the Allegheny County Library Association (ACLA), we have an answer to that question. HSLs, ACLA, and area public libraries have joined forces on a project to identify a core consumer health collection to help libraries without consumer health expertise identify the best materials for their users.

HSLs librarians selected over 350 titles that together provide a collection of reliable information addressing a broad range of common health issues. Using funding from the Foundation grant and ACLA, HSLs has placed materials from the HSLs Consumer Collection in four area public libraries, with four additional libraries to be added later this year. The libraries in turn provide us with information on collection usage so we can adjust the selections, removing less successful titles and filling any gaps with new titles. The result has been a double success: library users in Allegheny County have greater access to high-quality consumer health materials, and HSLs can offer a tested booklist to other libraries for developing their own collections. You can view the collection at <www.hsls.pitt.edu/guides/chi/initiatives/booklist>.

The HSLs Consumer Collections are available today in four area libraries: The Andrew Bayne Memorial Library in Bellevue, the C.C. Mellor Library in Edgewood, the Dormont Public Library, and the Allegheny Valley Community Library in Harrison. Additional collections will be available later this year at the Carnegie Library of Homestead, Laurie Ann West Memorial Library in Fox Chapel, Moon Township Public Library, and the Whitehall Public Library. The contents of each library's collection are listed in PITTcat for the Health Sciences <<http://pittcat.hsls.pitt.edu>>, and in The Catalog of the ACLA and Carnegie Library of Pittsburgh Electronic Information Network <<http://catalog.einetwork.net/search>>.

—Deb Silverman



New Books @ Ovid

HSLs recently added 30 new Books@Ovid to the electronic resources available at your desktop. These new E-books are in addition to the full text for over 300 reference, general and textbooks accessible through PITTcat for the Health Sciences <<http://pittcat.hsls.pitt.edu>> and the Electronic Books page <www.hsls.pitt.edu/resources/ebooks/titles>.

5-Minute Infectious Diseases Consult
5-Minute Orthopaedic Consult
5-Minute Sports Medicine Consult
5-Minute Toxicology Consult
5-Minute Urology Consult
 Adolescent Health Care
Cancer: Principles and Practice of Oncology
 Child & Adolescent Clinical Psychopharmacology
Child and Adolescent Psychiatry
 Child Neurology
Family-Focused Behavioral Pediatrics
 Field Guide to Urgent and Ambulatory Care Procedures
Gillenwater: Adult and Pediatric Urology
 Griffith's 5-Minute Clinical Consult
Loeser: Bonica's Management of Pain
 Lovell and Winter's Pediatric Orthopaedics
Manual of Clinical Problems in Infectious Diseases
 Manual of Clinical Problems in Pediatrics
Manual of Family Practice
 Moss and Adams' Heart Disease in Infants, Children and Adolescents
Pediatric and Adolescent Gynecology
 Pediatric Care Planning
Pediatric Primary Care: Ill-Child Care
Pediatric Primary Care: Well-Child Care
Primary Care Pediatrics
 Principles and Practice of Emergency Medicine
Principles and Practice of Pediatric Oncology
 Rockwood and Green's Fractures in Adults
Rockwood and Wilkins' Fractures in Children
 Textbook of Pediatric Emergency Medicine

Advances in Human Anatomy: from the Rare Books Collection

Falk Library of the Health Sciences has an extensive collection in the history of medicine, with volumes dating from 1496 to the present. A strength of the collection is the atlases and texts detailing the study of human anatomy, ranging from the era prior to dissection of human cadavers, to pioneering anatomical studies of the Renaissance, to beautiful anatomical atlases produced in France and Germany during the 18th and 19th centuries.

For more than 1300 years, the study of anatomy by European physicians was based primarily on the writings attributed to second-century A.D. Greek physician Galen of Pergamon. Since dissection of human cadavers in ancient Greece was not socially or culturally tolerated, Galen's work was informed by his dissection of other animal species, primarily the barbary ape. During the Middle Ages and early Renaissance, Galen's texts were accepted as definitive medical information on human anatomy. Many of Galen's writings are contained in the multi-volume work, *Medicorum graecorum opera quae exstant* [The Extant Works of Greek Medical Writers]. The 26 volume set is located in the Falk Library Rare Books Collection.

The first major challenge to Galen's human anatomy texts came from Andreas Vesalius (1514-64). Vesalius was a Flem-

ish physician trained in Galenic medical beliefs at the University of Paris, who then went to teach anatomy and surgery at the University of Padua, where he was to produce a new edition of Galen's writings. As Vesalius studied Galen's texts, it became apparent that in order to fully understand the topic he needed to perform dissection on human cadavers —now permitted by the Catholic Church after centuries of prohibition.



Courtesy of the National Library of Medicine

PLATE 164: Vesalius, Andreas. *De humani corporis fabrica libri septem*. (Basileae [Basel] : Ex officina Joannis Oporini, 1543).

By working with human cadavers, Vesalius recognized that Galen's anatomical texts were seriously flawed.

In 1543, braving opposition to his challenge of Galenic doctrine, Vesalius produced the first comprehensive textbook of human anatomy published since the third century, *De humani corporis fabrica libri septem*...[On the Fabric of the Human Body], located in the Rare Book collection. The work includes many original anatomical terms created by Vesalius to describe the structures he discovered during dissections, and is strongly supported by magnificent artwork. This fine example of Renaissance art was created in the workshop of master artist Titian by one of his artisans, Stephen Kalcar. While the seemingly heretical text of Vesalius did encounter a storm of protest, the text and its magnificent illustrations gained widespread acceptance during the following century, superceding Galenic anatomy. *De humani corporis fabrica*... is one of the most significant volumes not only in the history of medicine, but also in the broader perspective of Western European civilization.

You can view these works by Galen and Vesalius in the Falk Library Rare Books Room by appointment.
--John Erlen

Integrated Information Matters

UNIVERSITY OF PITTSBURGH

June 2004

De-Identification Tool for Patient Records used in Clinical Research

De-ID is one of the health sciences “application family” members from the IAIMS Focal Project of Identifying Patient Sets (IPS). It began as a component within the IPS retrieval engine software application, since records in IPS needed to be blinded to the investigator. However, with the emergence of HIPAA, and the requirement that records used for clinical research without patient consent must be de-identified, De-ID has become a popular application for clinical researchers performing retrospective studies.

The major user group of De-ID is the Clinical Research Informatics Service (CRIS). CRIS is a jointly sponsored service of the Office of Clinical Research and the Center for Biomedical Informatics, and is available to faculty in the schools of the health sciences and to UPMC special projects requiring de-identified datasets. CRIS is an IRB certified honest broker with the University, and has a Business Associate Agreement with UPMC. To date, over 500 datasets representing 85 IRB approved studies have been de-identified by CRIS using De-ID.

De-ID uses a set of heuristics to identify the presence of any of the 17 specific HIPAA identifiers within electronically stored medical text. The downside of applying De-ID is the re-

moval of some clinical information during the de-identification process. To date, minor problems have included

- addresses that contain commonly used words, such as MI (state of Michigan) being confused as an abbreviation for myocardial infarction, and
- names that are medical terms but are not listed in the Unified Medical Language System (UMLS), such as Hickman catheter.

De-ID replaces identifiable text with specific tags. For example, when a telephone number is removed from text, the tag “**PHONE-NUMBER” will be left in its place to show that something was removed. Each tag begins with a double asterisk. Names found multiple times in a report are consistently replaced with the same tag to improve readability.

Supplemental dictionaries of geographic locations, hospital names, and popular names found in the U.S. Census are used to locate identifiable text. The UMLS Metathesaurus is utilized to ensure that words or phrases that are medical terms are preserved.

De-ID automatically creates a linkage file when a dataset is processed. The linkage file is stored in an encrypted

format and only accessible by password. The study identifier is a two-part code; part one is the number of the report for that patient; and part two is a unique alphanumeric code for that patient. This is to assure the study ID remains consistent across data sets, but different admissions and/or multiple reports can be easily identified.

The format of input documents is very flexible, and De-ID is currently able to recognize text documents in three formats:

- XML formatted documents
- Tab-delimited documents (spreadsheets or relational databases)
- UPMC MARS documents

The Center for Biomedical Informatics (CBMI) has performed formal evaluations of the De-ID software. Currently five physicians are evaluating De-ID at UPMC Presbyterian. The Center for Pathology Informatics performed an independent evaluation of the De-ID software last year. (See Gupta, DJ, Saul M, Gilbertson J: “Evaluation of De-identification Software Engine to Share Pathology Reports and Clinical Documents for Research,” *American Journal of Clinical Pathology* 2004; 121: 176-186.)

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The Health Sciences Web Portal



The Health Sciences Web Portal <www.health.pitt.edu> is a gateway to the health sciences community at the University. Information ranging from scientific news to important institutional announcements is added to the site daily. The Portal provides access to tools to assist with research, educational, clinical and administrative activities, and saves time by putting information at your fingertips. Receiving over 200,000 visits per year, the Portal draws visitors from the University of Pittsburgh, UPMC, and beyond.

Some of the most popular features:

Health Sciences Today contains a dynamic, comprehensive daily listing of health sciences related events. Listings are entered by more than 150 calendar agents from across the University and beyond. Significant upcoming events are shown in the “Future Events” and “Experiences” sections.

Tools for the Health Sciences brings users within one click of a variety of applications to help accomplish the research and educational missions of the schools of the health sciences. The Health Sciences Library System, Faculty Research Interests Project, the Clinical Research Informatics Service and the Education and Certification Program in Research & Practice Fundamentals are among the links offered here.

Things You Need to Know and **Scientific News of Interest** lists important institutional announcements and memos, as well as funding opportunities and information about special events. The “Scientific News of Interest” section is

updated daily, and contains much of the latest health news from local, federal, and international organizations.

Gallery of Links provides users with quick access to hundreds of links of practical interest such as the Institutional Review Board, the Office of Research, and the National Institutes of Health. Your suggestions for additional useful links are welcome.

Searches provides five different ways to search:

People Search –locates contact information for people at the University and UPMC.

Research Interest Search –searches for faculty with a specific research interest.

Calendar Search –searches for calendar listings of interest.

Web Site Search –searches the Portal.

Google Search –uses the “Google” search engine to search the Internet.

The tools listed above are some of the many value-added features of the Portal. When visiting the site, be sure to take a look at the “Newsstand,” the links to the schools of the health sciences, and their associated departments.

- Stephanie Lunsford
Administrator

Center for Biomedical Informatics

De-ID continued from page 5

The IPS project team is working with the University’s Office of Technology Management (OTM) to license De-ID for commercial purposes. For more information, please review the OTM Web site at <http://tech-link.tt.pitt.edu/industry_technologies.software>. De-ID was copyrighted in 2002 by the University of Pittsburgh and registered with the U.S. Copyright Office.

Additional information on using De-ID can be obtained from the Clinical Research Informatics Service at 412-648-9838 or email mis@cbmi.pitt.edu.

--Melissa Saul
Clinical Research Informatics Services

Integrated Information Matters, sponsored by the University of Pittsburgh Center for Biomedical Informatics (CBMI), appears in the *HSL Update* three times per year. Look to this insert for news and features about the University of Pittsburgh schools of the health sciences and University of Pittsburgh Medical Center (UPMC) integrated information systems activities and plans. For questions, comments or suggestions about this newsletter, please contact Ron Yori, CBMI administrator, (412-647-7123; yori@pitt.edu) or visit <www.cbmi.pitt.edu>.

HSLs Schedule of Classes July - August 2004

HSLs ORIENTATION

Introduction to HSLs Resources and Services

This tour and orientation is offered upon request so you can come at a time convenient to you. Contact Mary Lou Librecht at 412-648-8796 to make an appointment.

SEARCHING MEDLINE

Searching MEDLINE on Ovid*

(Falk Library, CMC Classroom #2)

Thursday, July 8 noon -1:30 p.m.

Searching MEDLINE on PubMed*

(Falk Library, CMC Classroom #2)

Friday, July 23 10:30 a.m.-noon
Monday, August 2 2 p.m.-3:30 p.m.

Searching MEDLINE and EMBASE on EMBASE.com*

(Falk Library, CMC Classroom #2)

Thursday, July 29 2 p.m.-3:30 p.m.

Advanced MEDLINE Searching on Ovid*

(Falk Library, CMC Classroom #2)

Thursday, July 15 noon -1:30 p.m.

SPECIAL TOPICS

These special topics classes are offered upon request so you can come at a time convenient to you. Classes can be done as individual consultations or for groups of 2 or more. Contact the faculty librarian listed with each class to make an appointment.

Clinical Information Resources*

Includes UpToDate, MD Consult, MICROMEDEX, E-Books and more...

Contact Alice Kuller at 412-648-1971

Basic Science Information Resources*

Includes Biological Abstracts, ISI Web of Science, searching genes, proteins and molecules in PubMed and more...

Contact Ammon Ripple at 412-648-1251

Mental Health Information Resources*

Includes PsycINFO, CogNet, social science databases and more...

Contact Rebecca Abromitis at 412-246-5507

Finding Information on Psychiatric and Psychological Testing instruments*

Includes Health and Psychosocial Instruments, Mental Measurements Yearbook and more...

Contact Ester Saghafi 412-246-5502

Complementary and Alternative Medicine (CAM) Information Resources*

Includes AMED, Mantis, AltMedDex, Natural Medicines Comprehensive Database and more...

Contact Charles Wessel at 412-648-8730

Medical Humanities Information Resources*

Includes the History of Medicine subset in MEDLINE, Internet resources and more...

Contact Jonathon Erlen at 412-648-8927

Searching for Evidence-Based Literature*

Includes EBM concepts, Ovid EBM databases, PubMed tools and more...

Contact Patricia Weiss Friedman at 412-648-2040

Health Resources on the World Wide Web*

Includes major health-related resources and tips for searching the Internet.

Contact Linda Hartman at 412-648-1479

Public Health on the Web: Finding What You Need When You Need It*

Includes major public health-related resources and tips for searching the Internet.

Contact Ammon Ripple at 412-648-1251

MOLECULAR BIOLOGY AND GENETICS

Nucleotide Analysis Tools*

(Falk Library, CMC Classroom #2)

Wednesday, July 14 1:30 p.m.-3 p.m.

Protein Analysis Tools*

(Falk Library, CMC Classroom #2)

Wednesday, July 28 1:30 p.m.-3 p.m.

SOFTWARE TRAINING

Adobe Photoshop for Beginners

(Falk Library, CMC Classroom #1)

Thursday, July 22 9 a.m.-11 a.m.

EndNote Basics

This class is usually full. Please arrive 15 minutes in advance to ensure seating. Class will start promptly at scheduled time.

(Falk Library, CMC Classroom #2)

Wednesday, July 14 9 a.m.-11 a.m.

PowerPoint for Presentations

(Falk Library, CMC Classroom #1)

Thursday, July 29 9 a.m.-11 a.m.

All classes are open to faculty, staff and students of the schools of the health sciences at the University of Pittsburgh and UPMC. No registration required. Seating for classes is first-come, first-served until the class is full. See detailed course descriptions at <www.hsls.pitt.edu/services/instruction>. Classes marked with an asterisk (*) qualify for AMA Category 2 CME credit.

HSLs Staff News

HSLs Participation at the Medical Library Association (MLA) Conference, Washington, DC, May 21-26, 2004

Contributed Papers

Mary Lou Klem, health sciences library & bioinformatics trainee, **Ellen G. Detlefsen**, associate professor of library and information science, and **Marsha D. Marcus**, professor of psychiatry and psychology: *Women's use of the Internet for health information: the impact of selected demographic and health variables.*

Ammon Ripple, document delivery librarian and reference services coordinator, served as moderator for *The Power of National and International Health Initiatives.*

Deb Silverman, assistant director for Resource Management, **Barbara A. Epstein**, interim director, **Michelle Burda**, consumer health librarian, **Michele Klein Fedyshin**, UPMC Shadyside manager of Library Services, **Gretchen Maxeiner**, catalog librarian, and **Ester Saghafi**, WPIC librarian: *The HSLs Consumer Collection: A Public/Academic Partnership for Consumer Health Information.*

Nancy H. Tannery, assistant director for Information Services, **Charles B. Wessel**, coordinator of Affiliated Hospital Services, **Barbara A. Epstein**, interim director, **Cynthia S. Gadd**, assistant professor of medicine, Center for Biomedical Informatics: *Using outcome measures to assess the information-seeking behavior of clinicians after access to online resources: a longitudinal cohort study.*

Invited Papers

Ansuman Chattopadhyay, information specialist in molecular biology and genetics: *Selection of Resources for the Development of an Information Service Program in Molecular Biology and Genetics.*

Electronic Poster Presentation

Patricia Weiss Friedman and **Andrea M. Ketchum**, reference librarians: *A Reusable Template for Evaluating Point-of-Care Information Products.*

Poster Presentations

Andrea M. Ketchum, reference librarian: *Consumer health information Web sites: the state of the art.*

Michele Klein Fedyshin, UPMC Shadyside manager of Library Services, and **Claire Twose**, Health Research and Practice librarian, Johns Hopkins University: *MLA Task Force on the Information Specialist in Context (ISIC).*

Alice B. Kuller, reference librarian: *Pathway through the Electronic Maze.*

News

Welcome to **Jaime Blanck** and **Teresa Houk**, students from the School of Information Sciences, who are working as library interns at HSLs during the summer.

Jonathon Erlen, history of medicine librarian, received the *Excellence in Education* award as a Small Group Facilitator. This award was presented by the School of Medicine Class of 2007 for valued contributions and dedication to teaching.

Publications

Jonathon Erlen, history of medicine librarian, reviewed "Rising Life Expectancy: A Global History," in *ISIS* 2003, 94(4): 696; "Recent dissertations in the history of medicine" in the *Journal of the History of Medicine and Allied Sciences*, 2004, 59(1): 145-148; and with Michael Torbenson wrote "A case study of the Lash's Bitters Company-Advertising changes after the Federal Food and Drugs Act of 1906 and the Sherley Amendment of 1912" in *Pharmacy in History*, 2003, 45(4): 139-149.

As a member of the Standards Committee of the Medical Library Association Technical Services Section, **Gosia Fort**, cataloging and database management librarian, reviews drafts of National Information Standards Organization (NISO) documents. She recently completed a review of *NISO Z39.7-2000X Information Services and Use: Metrics & Statistics for Libraries and Information Providers*. Gosia's committee work helps to shape the final version of NISO documents before they become published technical standards used in the management of information.

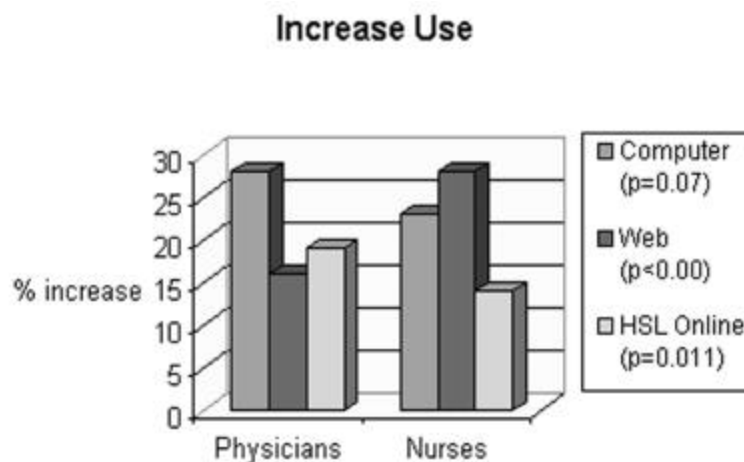
Amy Gregg, reference librarian, with coauthors T.K. Schleyer and P. Corby, published "A preliminary analysis of the dental informatics literature" in *Advances in Dental Research* 2003,17: 20-4.

Measuring Information Seeking Behavior of Clinicians after Access to HSL Online Resources

In the summer of 2001, UPMC Horizon contracted with HSLs for access to HSL Online resources <www.hsls.pitt.edu/resources>, our collection of electronic journals, books, databases and other knowledge-based information resources. Prior to the initiation of this service, the clinical staff at UPMC Horizon had little or no access to online information resources. At the same time, HSLs librarians began a project to measure the impact of this newly available access on the information-seeking behavior and practices of this population of clinicians.

In the winter of 2001, a self-reflective survey was sent to 864 clinical staff at UPMC Horizon. The survey inquired how the staff locate and access relevant knowledge-based information to answer questions related to their teaching and patient care activities. The response rate to this baseline survey was 47 percent. One year later, a follow-up survey was sent to those who had returned the first survey, with a response rate of 55 percent. This survey asked the same questions as the first, and was used to measure the impact of access to HSL Online resources after one year.

The results of the study reveal an increase in computer, Web and HSL Online use during this first year of access to online information resources.



The graph above indicates that 28 percent of the responding physicians at UPMC Horizon increased their computer use and 16 percent increased their Web use. A 19 percent increase in the use of HSL Online by physicians was also seen. The nursing staff also increased their computer use by 23 percent; their Web use by 28 percent, and 18 percent more nurses were using HSL Online.

The results also indicate that more of the clinical staff is accessing HSL Online from their homes or offices. Their use of MEDLINE, via either Ovid or PubMed, has increased 52 percent during the first year of access to these online resources.

Comments from the clinical staff indicate that they use the online library resources to locate answers to their clinical questions, provide information to their patients and find drug information.

--Nancy Tannery

Vector NTI Sequence Analysis Software for Mac

The Health Sciences Library System (HSLs) is pleased to announce the availability of institution-wide access to VectorNTI® Suite 7.1 for Mac OSX. VectorNTI® is supported on both Mac Jaguar (OS X v10.2) and Mac Panther (OS X v10.3). In addition to the Mac version, VectorNTI Advance 9.0 is available through HSLs for use on the Windows platform.

To install or upgrade your existing version of Vector NTI for Mac or Windows, please contact Ansuman Chattopadhyay, HSLs information specialist in molecular biology and genetics at ansuman@pitt.edu or

412-648-1297, or visit <www.hsls.pitt.edu/guides/genetics/vectornti/>.

Vector NTI is an integrated sequence analysis and data management software package, which allows molecular biologists to analyze, manipulate, construct, store and manage information about complex biological molecules. With this software, users can easily generate recombinant strategies and protocols, design and analyze PCR primers, animate virtual gel for restriction fragment analysis, analyze physico-chemical properties of proteins, assemble contigs from chromatograms or text sequences, and create publication-quality graphics.

--Ansuman Chattopadhyay

Children's Hospital Family Resource Center Added to HSLS Consumer Health Information Web Site

Children's Hospital of Pittsburgh (CHP) Family Resource Center joins the Hopwood Library at UPMC Shadyside as an HSLS consumer health information resource center especially for UPMC patients and families. Link directly to the CHP Family Resource Center Web page at <www.hsls.pitt.edu/guides/chi/chp> for current contact information, location, hours of operation, and descriptions of services and collections.

The HSLS Consumer Health Information page has been updated to offer expanded pediatric health information resources. It is organized into pages for infants and toddlers, children, and teens, accessible under the "Special Populations" link. Each offers trustworthy local, state and national Web sites for the targeted age group. Also available are direct access to online databases and lists of pertinent books from the HSLS Consumer Collection.

Popular features of the site include direct links to several major daily health news sources, including CNN, *New York Times*, the *Pittsburgh Post-Gazette*, and Pittsburgh area television health news reports. The Quick Links menu on each page permits easy access to core resources, including MEDLINEplus® from the National Library of Medicine, prescription drug information, and PITTCat for the Consumer, the University of Pittsburgh's online library catalog of consumer health information.



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Unique to the CHP Family Resource Center Web page is access to CarePagesSM, an easy-to-use Internet service from TLContact.com. The service allows families and patients to create personalized, password-protected Web pages on which pictures and updates about patients' conditions and progress can be posted for concerned family and friends.

--Andrea M. Ketchum

University of Pittsburgh
Health Sciences Library System
Falk Library of the Health Sciences
200 Scaife Hall
DeSoto & Terrace Streets
Pittsburgh, PA 15261