



**Information Technology Services - Medicine  
Monthly Report  
February 2000**

**Highlights and milestones**

- The Walk-in Help Desk accounted for 6% of Help Desk contacts made in February, averaging 10 visits per day.
- YSMInfo usage has steadily increased since its creation in September. It was accessed 17,720 times in February, a 41% increase from January.
- OVID was installed on a new higher capacity computer, resulting in improved responsiveness.
- Copy & Print Services processed unusually high volumes this month and last.
- ITS-Med worked with Prof. Bill Stewart to create the first online medical curriculum lecture complete with streaming video.



**Information Technology Services-Medicine Monthly Report  
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<u>Applications</u>	<u>this month</u>	<u>Feb-1999</u>	<u>% change</u>
AS/400 applications	7,379	9,065	-19%
CINAHL	540	296	82%
Biosis	1198	890	35%
Clinical Reporting System (CRS)	278	251	11%
accesses per user per month	2.6	5.2	-51%
Current Contents*	783	1,167	-33%
Electronic mail (# messages sent)	5,162,218	1,486,051	247%
messages per user per day	23.7	8.4	182%
HealthSTAR	381	320	19%
MEDLINE	19,787	17,081	16%
searches per active user per month	6.3	5.4	16%
Psychinfo	3,295	1,466	125%
Remote access (median users/day)	663	435	53%
Medical Center World Wide Web			
Medical Center home page	125,607	98,913	27%
School of Medicine home page	25,018	10,475	139%
YSMInfo	17,720	-	-
Medical Library home page	60,950	13,793	342%

<u>Help Desk calls</u>	<u>this month</u>	<u>change from 90 day average</u>
Total calls	3621	-5%
Calls per day	172	-13%
% of ITS-Med clients using Help Desk	29%	4%
# of Yale affiliates using Web page	1,634	-20%
% of calls rolling over to answering service	0.2%	100%

<u>Types of calls</u>	<u>this month</u>	<u>change from 90 day average</u>
Call transfer	358	-15%
Complaint	20	67%
Information request	860	-7%
ITS-Med Services	194	34%
Remote Access	98	-10%
Netscape Mail	58	16%
Problem report	1701	0%
Operating System	217	18%
Netscape Mail	166	-5%
Network Access Problem	166	2%
Eudora	141	13%
Printer	134	7%
Status inquiry	119	-18%
Project X	158	-8%

<u>NetMenu workstations</u>	<u>this month</u>	<u>Library # of connections</u>	<u>Feb-1999</u>	<u>% change</u>
<b>Total</b>	<b>37,900</b>		<b>35,682</b>	<b>6%</b>
connections from Library	96%			
connections from outside Library	4%			

<u>Background information</u>	<u>Schools of Medicine &amp; Nursing</u>
Personal computers as of 8/98	6,800
Electronic mail users as of 7/99	7,523
Networked computers as of 2/2000	5,435
Full-time faculty, 1999-2000	1,874
Medical & graduate students, 1999-2000	733
Postdocs, 1999-2000	1,234
Full-time staff, 1999-2000	2,794

<u>ITS-Med clients subscribing to:</u>	<u>this month</u>	<u>change from last month</u>
Core network service	4,232	-2%
Printer connection	612	-7%
other machine-only connection	258	3%
On-campus dial-up service	72	-21%
Basic network service	581	1%
ADSM	538	-17%
Scheduling	1,181	3%
Remote access	1,427	1%
Workgroup computing	130	-2%
Additional email account	897	4%

<u>Work orders</u>	<u>this month</u>	<u>change from 90 day average</u>	<u>Turnaround met</u>	
			<u>this month</u>	<u>change from last month</u>
Tasks added	1032	-33%	-	-
Tasks completed	1119	-27%	93%	-4%
Delayed work orders	251	-40%	-	-
Billable work orders	76%	13%	-	-
Normal priority	80%	-5%	100%	0%
Emergency priority	20%	23%	94%	-4%
Problem reports	252	-6%	100%	0%
Operating system	79	5%	100%	0%
Network access problem	51	-7%	100%	0%
Printer	37	-21%	100%	0%
New services	254	-42%	98%	-1%
install machine	50	-4%	100%	0%
reconfigure for new user	44	10%	100%	0%
move	43	-70%	100%	0%
Service cancellations	48	30%	100%	0%

<u>Hospital NetMenu # of connections</u>	<u>this month</u>	<u>Feb-1999</u>	<u>% change</u>
	<b>26,870</b>	<b>23,372</b>	<b>15%</b>

# Overall usage for selected databases

	<u>Jan-1999</u>	<u>Feb-1999</u>	<u>Mar-1999</u>	<u>Apr-1999</u>	<u>May-1999</u>	<u>Jun-1999</u>	<u>Jul-1999</u>	<u>Aug-1999</u>	<u>Sep-1999</u>	<u>Oct-1999</u>	<u>Nov-1999</u>	<u>Dec-1999</u>	<u>Jan-2000</u>	<u>Feb-2000</u>
<b>Summary</b>														
<b>AS/400 applications</b>	9,816	9,065	10,420	11,139	11,901	11,980	9,320	8,218	7,798	7,764	7,166	5,533	7,285	7,379
<b>Clinical Reporting System (CRS)</b>	563	251	498	395	466	524	471	519	387	401	366	229	359	278
<b>OVID sessions</b>	16,111	17,081	20,834	22,139	18,639	16,687	17,844	16,089	19,131	20,935	23,642	16,018	19,787	24,109
<b>Medical Center Web server</b>	1,545,299	1,568,689	1,734,951	1,789,042	1,600,024	1,825,535	2,215,143	2,468,666	2,800,123	2,913,269	2,470,971	1,924,753	2,311,736	2,189,508
<b>Electronic mail messages sent</b>	723,701	835,904	866,009	938,255	828,686	668,485	3,047,125	3,437,969	3,498,625	4,012,738	3,788,117	4,134,312	4,085,717	5,162,218

## Details: AS/400 applications

Animal Care and Use Committee	57	164	55	74	52	76	22	29	62	53	45	17	38	35
Business Management Systems	96	89	109	106	97	99	63	51	68	61	89	67	80	83
Clinical G/L Interface	18	8	0	10	2	10	50	11	0	0	0	0	0	0
Clinical Information	4	1	0	5	1	1	1	0	0	0	0	0	2	0
Clinical Information - Reports	1	1	0	5	0	3	5	1	0	0	0	0	0	0
Diagnostic Laboratory	309	226	300	275	209	223	216	237	238	278	267	189	227	180
Graduate and Continuing Education	59	65	87	69	61	70	44	54	56	59	58	54	64	63
Grants and Contracts	380	375	416	405	362	365	310	214	168	164	141	116	145	69
Grants and Contracts - Reports	28	25	11	34	21	33	2	2	0	0	0	0	0	0
Human Investigation Committee	105	111	99	103	92	108	23	22	9	14	13	1	5	3
Human Resources (CHR) - Inquiry	52	69	44	12	2	3	3		3	0	0	0	0	0
Human Resources (CHR) - Merit	14	32	46	606	1950	885	302	37	21	50	25	25	30	21
Human Resources (CHR) - Reports	2	7	1	37	45	56	8	2	4	2	4	2	2	4
Human Resources - General	29	34	28	55	49	98	32	17	23	25	33	21	32	24
Human Resources - Inquiry	3,313	2,950	3,356	3,466	3,298	3,356	2,984	2,889	2,446	2,715	2,554	1,854	2,671	2,728
Human Resources - Profiles	3,974	3,608	4,482	4,293	4,415	5,415	4,356	3,650	3,544	3,361	2,984	2,328	3,033	3,219
Human Resources - Reports	286	212	216	252	207	223	212	146	159	148	95	106	114	183
Internal Medicine	56	25	3	6	0	2	1	10	0	9	21	22	48	26
MED5 - Reports	7	1	1	1	0	2	1	2	1	0	0	0	0	0
Office of Public Information	10	25	11	7	56	26	16	28	19	6	15	47	16	10
Physician Associates Program	40	28	33	13	2	4	6	11		0	8	19	65	58
Space Inventory System	44	32	79	140	128	89	72	53	312	187	53	38	48	33
Student Research	66	21	36	42	7	8	23	21	31	15	25	10	21	20
Student Systems	356	340	396	348	336	385	414	393	369	390	469	357	434	460
Support Services	117	207	159	139	137	183	52	39	10	18	11	5	14	5
System Administration	106	176	306	530	265	180	58	214	173	133	211	185	137	98
Yale Animal Resource Center	281	231	138	106	91	65	41	78	74	64	40	49	51	50
Other/Miscellaneous	6	2	8		16	12	3	7	8	12	5	21	8	7

## Details: OVID

Biosis	714	890	896	923	585	682	612	534	580	730	764	606	670	1,198
CINAHL	238	296	352	377	272	252	217	135	307	368	392	214	434	540
Compendex	221	182	207	142	144	126	119	111	161	190	181	120	168	286
Current Contents	1,179	1,167	1,211	1,003	800	967	882	778	838	756	773	583	835	783
Full-Text Journal Collections	3,515	4,090	6,931	8,265	6,464	6,666	4,507	3,754	4,631	5,801	6,910	4,602	5,669	7,164
HAPI	44	58	77	80	51	93	51	37	72	91	83	39	54	86
HealthStar	303	320	317	413	198	166	197	186	250	344	301	224	242	381
MEDLINE, current segment	6,004	6,163	6,782	6,316	5,132	5,149	5,191	4,814	5,247	5,634	5,832	4,279	5,618	6,020
MEDLINE back files	5,326	5,691	6,903	7,143	6,238	6,064	6,326	6,027	6,541	6,659	6,612	5,339	6,551	7,008
PsychInfo	1,328	1,466	1,926	2,987	1,375	1,181	1,323	1,132	1,652	2,209	3,295	1,431	1,654	1,976
access method: telnet sessions	4,503	4,296	5,996	5,604	4,408	3,985	3797	3436	3,574	3,373	3,026	2,398	2,830	2,796
access method: Web sessions	11,096	12,295	14,205	15,967	11,975	12,187	13,615	12,335	15,192	17,214	20,278	13,394	16,734	21,076
access method: Z39.50	525	495	653	562	427	535	475	374	414	379	339	229	238	259

# Medical Center Web usage report, February 20000

## Top 10 pages accessed by Yale users

<u>this year</u>	<u>last year</u>
Medical Center	Medical Center
MedMenu	MedMenu
Medical Library	EPH Library
YSMInfo	Medical Library
EPH Library	School of Medicine
Library's electronic journals	Desktop Support
School of Medicine	Server search
Server search	Medical Library's Internet search page
Find a person	Find a person
Keck DNA sequencing FTP access	Keck DNA Sequencing FTP access

## Top 10 pages accessed by external users

<u>this year</u>	<u>last year</u>
Center for Advanced Instructional Media	Center for Advanced Instructional Media
Yale-New Haven Hospital Clinical Workstation	Medical Center page
Medical Center page	Yale-New Haven Hospital Clinical Workstation
School of Medicine	School of Medicine
Medical Library	Medical Library
Server search	Server search
Office of Admissions	School of Medicine's admissions viewbook
Yale Heart Book	Academic departments page
Epidemiology & Public Health	Yale Heart Book
Child Study Center Developmental Disabilities Clinic	Medical Library's Selected Internet Resources d

	<u>Feb-2000</u>	<u>Feb-1999</u>	<u>% change</u>
<b>Server total</b>	<b>2,189,508</b>	<b>1,568,689</b>	40%
<b>Who connected</b>			
Yale	553,867	414,963	33%
other US educational institutions	201,931	139,431	45%
US government & military	16,324	13,171	24%
US commercial institutions	376,568	240,229	57%
US non-profit organizations	24,205	15,259	59%
Major online service providers	277,317	173,103	60%
International	273,236	273,236	0%
<b># of unique hosts connecting</b>	<b>132,483</b>	<b>125,440</b>	6%
<b>Medical Center</b>	<b>125,607</b>	<b>98,913</b>	27%
Find a person	3,687	3,134	18%
Find a physician	1,206	1,141	6%
Community Service	304	316	-4%
Education	414	1,028	-60%
Patient Care	298	522	-43%
Research	412	1,365	-70%
<b>School of Medicine</b>	<b>25,018</b>	<b>12,550</b>	99%
About the School	1,024	-	-
Admissions, School of Medicine	2,796	-	-
Alumni	461	-	-
Community programs	376	-	-
Computing	541	-	-
Departments	4,129	-	-
Development	282	-	-
Education & student life	243	-	-
Faculty	2,103	-	-
Libraries	688	-	-
News & publications	435	-	-
Patient care/Find a Yale doctor	416	-	-
Research	1,706	-	-
YSMInfo	17,720	-	-
<b>Major resources &amp; service departments</b>			
Admissions application, School of Medicine	-	-	-
Business Center (Financial Operations)	509	-	-
Center for Cell Imaging	809	742	9%
Emerging Infections Information Network	1,660	1,601	4%
ITS-Med	5,872	-	-
CAIM	6,425	5,107	26%
CAIM style manual	86,489	109,510	-21%
Computing Services	5,507	3,841	43%
Media Services	940	512	84%
Software - Macintosh	430	-	-
Software - Windows	995	-	-
Web Design & Development	3,205	-	-
Year 2000	212	-	-
Medical Library	60,950	13,793	342%
MedMenu	32,293	35,682	-9%
Scientific Affairs and Grant & Contrac Administration	1,531	995	54%
Yale Faculty Practice	1,506	1,071	41%

	<u>Feb-2000</u>	<u>Feb-1999</u>	<u>% change</u>
<b>School of Nursing</b>	<b>3,061</b>	<b>1,831</b>	67%
<b>Academic Departments**</b>			
Anesthesiology	192	246	-22%
BBS	1,442	1,222	18%
Boyer Center for Molecular Medicine	714	759	-6%
Cancer Center	1,755	1,141	54%
Cell Biology	1,104	1,516	-27%
Cellular & Molecular Physiology	1,215	430	183%
Child Study Center	3,186	1,790	78%
Comparative Medicine	87	175	-50%
Dermatology	1,088	1,146	-5%
Diagnostic Radiology	580	601	-3%
Epidemiology & Public Health	5,744	4,448	29%
Genetics	1,151	858	34%
History of Medicine	354	347	2%
Immunobiology	740	656	13%
Internal Medicine	1,212	834	45%
Laboratory Medicine	707	464	52%
Neurobiology	1,060	875	21%
Neurology	1,101	654	68%
Neuroscience Program	642	569	13%
Neurosurgery	643	337	91%
Obstetrics & Gynecology	2,821	448	530%
Ophthalmology	823	1,437	-43%
Orthopaedics & Rehabilitation	694	477	45%
Pathology	1,619	1,168	39%
Pediatrics	1,103	733	50%
Pharmacology	635	491	29%
Physician Associate Program	899	1,202	-25%
Psychiatry	2,044	1,344	52%
Surgery	116	187	-38%
Therapeutic Radiology	267	258	3%

\*\*Molecular Biochemistry & Biophysics and the Center for Medical Informatics are not listed because they reside on other servers.

Yale-New Haven Hospital Clinical Workstation usage during 1999-2000

<u>Application</u>	<u>FY 98-99 median</u>	<u>Jul-1999</u>	<u>Aug-1999</u>	<u>Sep-1999</u>	<u>Oct-1999</u>	<u>Nov-1999</u>	<u>Dec-1999</u>	<u>Jan-2000</u>	<u>Feb-2000</u>	<u>Mar-2000</u>	<u>Apr-2000</u>	<u>May-2000</u>	<u>Jun-2000</u>
<b>TOTAL CONNECTIONS</b>	<b>38,295</b>	<b>37,331</b>	<b>38,335</b>	<b>36,875</b>	<b>39,120</b>	<b>29,682</b>	<b>24,249</b>	<b>26,870</b>	<b>29,102</b>				
<b>Hospital information systems</b>	<b>22,863</b>	<b>25,470</b>	<b>26,800</b>	<b>24,806</b>	<b>28,676</b>	<b>22,474</b>	<b>17,367</b>	<b>18,918</b>	<b>19,973</b>				
CCSS	11,619	10,446	9,906	9,437	11,576	11,157	10,234	10,973	12,208				
ChartView	1,261	2,457	2,905	2,289	2,494	3,528	2,744	3,131	3,381				
Clinical laboratory	8,172	8,590	9,617	8,602	9,919	2,590	45	96	61				
Clinical services	422	601	585	778	743	784	539	523	461				
Diagnostic Imaging	90	870	1,049	880	1,089	1,220	1,031	1,047	915				
Electronic Signature (ESA)	697	978	1,331	882	897	1,165	1,130	1,533	1,288				
EPIC	485	452	347	494	537	614	726	603	557				
Office services	543	1,011	984	1,347	1,314	1,307	886	967	1,047				
Surgical Pathology	47	65	76	97	107	109	32	45	55				
<b>Bibliographic databases and search tools</b>	<b>722</b>	<b>1,232</b>	<b>1,159</b>	<b>1,117</b>	<b>1,289</b>	<b>1,159</b>	<b>1,281</b>	<b>1,472</b>	<b>1,764</b>				
Cancernet	6	11	18	9	14	6	10	3	8				
CINAHL	40	17	9	24	15	24	9	5	10				
Current Contents	4	4	5	15	5	3	1	3	2				
HealthSTAR-OVID	21	1,090	977	954	1,110	1,015	833	1,028	1,165				
MEDLINE	503	96	141	96	130	107	123	122	168				
MDCConsult	0	0	0	0	0	0	302	299	393				
Yale Library Catalog (ORBIS)	34	14	9	19	15	4	3	12	18				
<b>Word processing &amp; utilities</b>	<b>1,083</b>	<b>883</b>	<b>883</b>	<b>935</b>	<b>1,095</b>	<b>1,085</b>	<b>955</b>	<b>997</b>	<b>1,089</b>				
Clinical Workstation locations	42	40	19	23	11	7	6	9	11				
Format disk	18	17	17	23	17	12	12	14	8				
Virus scan	9	6	1	0	6	0	0	0	0				
Word for Windows	783	687	846	824	913	1,023	937	974	1,070				
Wordperfect	276	133	0	65	148	43	0	0	0				
<b>Procedure recorders</b>	<b>289</b>	<b>348</b>	<b>280</b>	<b>630</b>	<b>558</b>	<b>454</b>	<b>672</b>	<b>773</b>	<b>632</b>				
ED	44	73	87	96	46	51	74	116	145				
Medicine	76	94	102	93	148	107	180	165	119				
Ob/Gyn	20	38	18	16	21	15	19	17	18				
Surgery	117	143	73	79	78	57	117	140	88				
Procedure Recorders	0	0	0	346	265	224	282	335	262				
<b>Full text and factual databases</b>	<b>1,546</b>	<b>4,625</b>	<b>4,703</b>	<b>4,824</b>	<b>3,670</b>	<b>2,691</b>	<b>3,204</b>	<b>3,687</b>	<b>4,261</b>				
AIDS/Drugs/Trials/Line-Bioethic	5	7	8	4	1	4	4	5	4				
Cochrane Library	16	14	7	10	6	10	4	11	10				
Current Diagnosis & Treatment texts	151	142	277	189	165	164	136	133	230				
Delineation of Clinical Privileges	13	50	22	100	69	8	24	31	21				
Electronic Journals	360	591	556	419	599	528	458	487	638				
Electronic Textbooks	431	455	584	634	478	513	410	476	750				
Geriatric Medicine	5	2	12	6	0	7	7	1	2				
Global Textbook of Anesthesiology	9	5	2	0	3	3	4	8	10				
Harrison's	280	288	336	317	258	244	198	243	272				
Infection Control Manual	25	208	200	194	127	56	12	18	8				
Info	0	4	0	2	5	0	0	1	4				
JCAHO Accreditation Manual	22	50	71	91	23	80	18	21	19				
Laboratory Point of Care Testing Procedure	3	6	3	2	4	1	3	1	4				
Little Brown Handbooks	107	63	61	55	52	45	72	47	46				
Material Safety Data Sheets	3	7	3	26	15	3	5	12	10				
Medical Letter on Drugs & Therapies	23	18	15	20	16	23	18	7	17				
Merek Manual	60	89	59	65	53	49	33	30	34				
Micromedex	509	545	747	465	450	499	720	661	683				
New England Journal of Medicine	38	34	17	2	8	0	0	0					
Nursing Procedures Manual (NO)	109	326	148	255	164	102	139	222	175				
OMIM	3	2	5	1	4	2	9	1	16				
<b>Application</b>	<b>FY98-99 median</b>	<b>Jul-1999</b>	<b>Aug-1999</b>	<b>Sep-1999</b>	<b>Oct-1999</b>	<b>Nov-1999</b>	<b>Dec-1999</b>	<b>Jan-2000</b>	<b>Feb-2000</b>	<b>Mar-2000</b>	<b>Apr-2000</b>	<b>May-2000</b>	<b>Jun-2000</b>
Primary Care Online	0	0	0	0	0	0	0	3	4				
Pharm Antibiotic Info	0	6	12	7	4	2	10	21	4				

Pharm InfoNet	34	42	41	27	39	37	51	6	36
Red Book on Pediatric Infections	21	21	34	15	11	22	30	16	17
Resources	0	0	0	0	0	0	330	453	485
Rosen's Emergency Medicine	30	36	43	29	30	21	29	14	20
Safety Manual	0	0	0	0	0	0	5	3	3
SAM/Scientific American Medicine	0	0	0	0	0	0	20	6	10
SIRTtexts	0	0	0	0	0	0	5	7	10
STAT!-Reference	62	33	36	30	16	19	20	50	15
Virtual Hospital	16	18	24	29	16	14	13	10	12
Voyager	0	2	7	7	5	5	3	0	0
Williams Obstetrics	0	5	7	4	6	11	5	3	4
Yale Directory	14	18	28	34	32	19	11	15	18
YNHH Approved Abbreviations	0	0	0	0	0	0	0	56	83
YNHH Documents	463	1,249	995	1,055	814	155	20	12	12
YNHH Formulary	10	6	14	16	10	3	8	9	13
YNHH HomePage	0	0	0	0	0	0	113	134	139
YNHH House Staff Training	307	270	306	691	172	37	2	4	7
YNHH Human Resources	0	0	0	0	0	0	249	440	409
YNHH Physician Phone Book	19	13	23	23	15	5	6	9	7
<b>Email/news/networks</b>	<b>7,144</b>	<b>4,764</b>	<b>4,503</b>	<b>4,562</b>	<b>3,826</b>	<b>1,817</b>	<b>770</b>	<b>1,023</b>	<b>1,383</b>
Biomed Email	832	776	742	2,078	875	968	485	668	938
GroupWise Email	1,712	1,305	1,453	1,503	1,760	449	89	53	52
Home Page	144	321	309	423	312	253	180	193	261
Internet	5,488	2,331	1,973	513	846	128	0	0	0
Mainframe	5	4	5	5	1	1	3	4	3
Medical Library	14	23	14	27	28	15	12	100	111
Selected Internet Resources	12	4	7	13	4	3	1	5	18
<b>Clinical Assistance</b>	<b>12</b>	<b>9</b>	<b>7</b>	<b>1</b>	<b>6</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>
Coag Advisor	12	9	7	1	6	2	0	0	0

MedMenu Medical Library usage during 1999-2000

	<u>FY 98-99</u>												
<u>Application</u>	<u>median</u>	<u>Jul-1999</u>	<u>Aug-1999</u>	<u>Sep-1999</u>	<u>Oct-1999</u>	<u>Nov-1999</u>	<u>Dec-1999</u>	<u>Jan-2000</u>	<u>Feb-2000</u>	<u>Mar-2000</u>	<u>Apr-2000</u>	<u>May-2000</u>	<u>Jun-2000</u>
<b>TOTAL CONNECTIONS</b>	<b>36,114</b>	<b>32,757</b>	<b>34,678</b>	<b>36,366</b>	<b>39,328</b>	<b>34,856</b>	<b>23,132</b>	<b>37,900</b>	<b>43,884</b>				
<b>Electronic textbooks</b>	<b>551</b>	<b>1,393</b>	<b>1,185</b>	<b>1,511</b>	<b>1,977</b>	<b>1,561</b>	<b>1,313</b>	<b>1,670</b>	<b>1,819</b>				
Harrison's	276	272	282	337	403	424	116	179	214				
Heart Disease Textbook	0	0	0	0	0	0	0	57	50				
MAXX	0	1	3	0	0	0	0	0	0				
Medical Letter on Drugs and Therap.	50	40	38	47	38	43	5	6	9				
Merck Manual	74	80	90	281	299	141	122	94	111				
Sabiston	0	0	0	0	0	0	0	22	36				
SAM: Scientific Amer. Medicine	51	77	76	43	69	70	466	480	530				
SIR - Texts (Selected Internet Res.)	45	882	648	749	1,105	839	573	783	811				
Stat!Ref-TextBooks	29	15	13	23	32	18	23	21	33				
Textbook of Internal Medicine	0	0	0	0	0	0	0	20	9				
Williams-Obstetrics	28	26	35	31	31	26	8	8	16				
Williams Textbook of Endocrin.	0	0	0	0	0	0	0	11	32				
<b>Medical Education</b>	<b>636</b>	<b>653</b>	<b>672</b>	<b>839</b>	<b>1,121</b>	<b>705</b>	<b>1,069</b>	<b>2,899</b>	<b>2,542</b>				
Abdomen Quiz	7	13	13	14	17	6	21	116	47				
Anatomic Explorer	10	8	4	12	35	15	8	49	51				
Anatomic Explorer CT	5	4	3	10	16	9	12	23	20				
Animated Embryo	10	5	1	2	13	27	20	82	34				
Brainstem	3	8	0	0	11	3	6	20	30				
Brainstorm	5	22	19	2	7	3	5	8	15				
Breath sounds	5	5	7	5	6	6	13	26	13				
Campbell's Operative/Urology	0	0	0	0	0	0	21	25	36				
Cardiac Angio	3	6	2	6	10	2	14	33	14				
Cardiac Auscultation	3	3	5	14	8	2	16	47	53				
Cardiac Echo	3	7	8	10	19	1	12	25	29				
Cardiac MRI	2	6	1	7	6	0	0	17	10				
Cardiac Perfusion Imaging: PI	0	2	2	0	3	0	0	4	3				
Cardiac Perfusion Imaging: SP	1	1	1	1	7	0	2	6	6				
Cardiothoracic Image Quiz	3	11	1	1	5	2	1	33	17				
Cardiothoracic Imaging	3	9	3	2	7	3	10	240	90				
Cecil Textbook	0	0	0	0	0	0	22	34	49				
Comprehensive Textbook of Psych.	0	0	0	0	0	0	16	31	25				
Concise Atlas - Cardiothoracic	2	2	0	2	2	3	8	9	7				
Concise Atlas - Chest	1	1	0	2	2	10	4	2	7				
Concise Atlas - Head & Neck	16	6	8	0	0	0	0	0	0				
Conn's Current Therapy	0	0	0	0	0	0	5	3	2				
Course Info	0	0	10	32	21	0	59	101	117				
Course Evaluations	0	0	0	0	0	22	0	0	0				
Cranial Nerves	0	0	0	0	1	0	5	4	20				
Educational Software	168	149	176	152	186	265	1	2	0				
Embryo images	5	8	2	5	5	22	2	31	13				
EPS Review	2	3	1	1	4	2	0	2	7				
Eroshenko's Interactive Histology	0	0	0	0	2	0	0	13	2				
Extremities Quiz	3	4	2	9	15	42	3	2	40				
Functional Anatomy of the Heart	0	0	0	0	4	0	4	0	0				
Gross Anatomy Review	27	12	2	23	61	94	14	31	28				
HARP (Histological Anatomy Review)	2	8	0	16	10	5	2	15	20				
Harriet Lane Handbook	0	0	0	0	0	0	4	3	5				
Head Quiz	2	8	0	0	12	5	0	1	24				
Histology Quizbank	2	4	2	6	6	1	1	24	5				
Histology Video Review	0	0	0	1	3	0	1	7	3				
HyperBRAIN	1	3	3	0	6	1	0	4	3				

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<b>Application</b>	<b>median</b>	<b>Jul-1999</b>	<b>Aug-1999</b>	<b>Sep-1999</b>	<b>Oct-1999</b>	<b>Nov-1999</b>	<b>Dec-1999</b>	<b>Jan-2000</b>	<b>Feb-2000</b>	<b>Mar-2000</b>	<b>Apr-2000</b>	<b>May-2000</b>	<b>Jun-2000</b>
Hyperheart	1	5	0	0	1	2	0	7	5				
Integrated Medical Curriculum	0	0	0	0	0	0	0	35	8				
Interactive/Brain Atlas/Electrocard.	4	4	2	3	9	3	3	117	161				
Kaplan's	65	21	8	9	11	0	37	19	17				
KINEMAGE	1	18	0	0	2	1	0	1	6				
Kistner's Gynecology	0	0	0	0	0	0	6	7	9				
Lazy Eye	3	11	3	2	4	2	3	3	11				
Lippincott	0	0	0	0	0	0	0	3	8				
MacBaby	7	12	3	3	7	43	12	141	16				
MD Consult	0	0	233	367	418	0	592	961	1,026				
Microbiology Quizbank	7	9	6	10	6	58	36	31	13				
Neuroanatomy Review	4	9	4	7	9	2	4	13	19				
Neuron Model: Tutorial	1	4	0	0	7	1	5	2	1				
Neuron Model: Current Clamp	1	5	0	8	3	0	2	4	3				
Neuron Model: Voltage Clamp	1	3	0	1	2	1	0	4	0				
Pathology Quizbank	5	28	23	8	24	11	7	201	57				
Perineum Quiz	2	33	1	5	6	2	1	7	17				
PreTest	12	37	40	17	24	8	12	32	62				
Superhead	4	3	1	0	3	3	1	1	5				
Thorax Quiz	4	3	2	1	3	7	14	48	29				
USMLE Step 1	16	67	35	20	22	3	11	24	32				
USMLE Step 2	20	5	10	9	18	4	7	4	34				
WebPath	0	48	25	31	24	0	0	155	152				
Wheater's Interactive Histology	1	10	0	3	8	3	4	6	6				
<b>Other resources</b>	<b>34,767</b>	<b>30,711</b>	<b>32,821</b>	<b>34,016</b>	<b>36,230</b>	<b>32,590</b>	<b>20,750</b>	<b>33,331</b>	<b>39,523</b>				
Abbreviation Finding Aids	0	23	21	30	31	0	11	6	23				
Academic Search Elite	0	0	0	0	44	0	176	251	244				
Additional Resources	0	0	0	0	0	1,535	636	958	996				
AIDSLine/Drugs/Trials	49	30	36	100	86	103	80	95	125				
African Health Anthology	0	0	0	0	0	0	0	4	17				
Allergy: Principles and Practice	0	0	0	0	0	0	25	18	48				
Alphabetical List	0	0	0	0	441	221	0	0	0				
AMED	0	0	0	0	0	0	0	0	6				
Applied Science	8	5	4	6	10	3	3	4	9				
Arthritis and Allied Conditions	0	0	0	0	0	0	0	6	5				
Best-Evidence	15	7	15	16	17	39	6	93	96				
Bioethicsline	20	19	10	23	23	30	5	5	23				
Biography Index	17	12	3	11	4	20	3	2	3				
Biomed VAX	13,743	9,362	8,597	10,747	10,447	13,851	5,703	6,826	8,434				
Biosis	63	56	44	51	69	64	96	128	154				
Books in Print	61	40	69	73	56	81	9	31	32				
Brenner	0	0	0	0	0	0	7	21	16				
Britannica Online	36	32	33	21	51	40	7	24	24				
Bulldog Access	25	30	29	19	33	18	3	12	31				
CAB	0	0	0	0	0	0	0	16	7				
CancerNet	23	11	11	17	36	36	15	19	25				
CIAO: Columbia Int'l Affairs Online	1	0	2	2	1	6	0	0	0				
CINAHL	60	549	540	428	111	62	97	183	270				
Clinical Dermatology	0	0	0	0	0	0	15	33	40				
Clinical Laboratory	18	12	13	10	13	16	3	12	19				
Clinical Procedures	0	0	0	0	0	0	5	10	10				
Cochrane	45	47	34	49	39	163	163	263	344				
Community of Science	83	9	72	8	12	23	70	85	89				
Compendex	40	503	509	377	59	39	2	3	9				
Congressional Universe	17	6	14	13	13	0	3	1	5				
CT CRISP	16	8	16	18	33	0	6	5	8				



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<b>Application</b>	<b>median</b>	<b>Jul-1999</b>	<b>Aug-1999</b>	<b>Sep-1999</b>	<b>Oct-1999</b>	<b>Nov-1999</b>	<b>Dec-1999</b>	<b>Jan-2000</b>	<b>Feb-2000</b>	<b>Mar-2000</b>	<b>Apr-2000</b>	<b>May-2000</b>	<b>Jun-2000</b>
Current Contents	56	40	40	43	53	59	107	169	23				
Current Diagnoses	292	382	375	345	383	316	56	72	163				
Danforth's Obstetrics	0	0	0	0	0	0	10	6	13				
Diagnostic Imaging	15	39	21	15	12	22	4	4	7				
DIRLINE	10	13	8	9	7	23	1	2	3				
Dissertation Abstracts	29	27	24	18	42	44	2	20	16				
Divisible Human	0	0	0	0	4	0	7	19	19				
EBMR	21	14	15	12	18	29	1	0	4				
EconLit	3	5	4	11	6	8	0	0	0				
Electronic Journals	2,226	2,529	2,291	3,469	4,188	1,576	2,833	5,293	6,086				
Electronic Textbooks	0	727	642	774	876	658	667	915	1,187				
Ellenhorn's Medical Toxicology	0	0	0	0	0	0	3	5	7				
Email	0	0	0	0	0	0	0	2,073	2,283				
Emergency Medicine	0	0	0	0	0	0	7	2	13				
Entrez	29	8	11	8	7	30	1	0	2				
EPI Info	0	0	0	0	2	0	1	4	1				
EPIC	13	6	9	7	8	23	1	2	3				
ERAS	3	14	27	24	47	0	30	7	9				
ERIC	16	9	17	9	13	23	3	5	11				
Eureka	20	44	50	53	40	16	22	16	54				
Facts and Comparisons	0	0	0	0	0	0	4	5	11				
Faculty Research Interest	0	0	0	0	37	18	0	0	0				
FEDIX	9	8	8	8	5	12	0	0	2				
Forebrain	0	0	0	0	3	0	0	0	0				
Formulary Catalog	17	7	13	10	8	23	3	0	3				
FREIDA	35	487	495	380	74	29	16	19	19				
GDB	14	453	462	333	46	11	2	3	3				
GenBank	17	23	8	12	10	27	7	8	10				
GPO	19	12	12	14	13	31	1	1	1				
GramStainTutor	0	0	0	0	28	0	5	37	11				
Grant Resources	16	11	9	12	13	29	0	0	0				
Griffith's 5 Minute Clinical	0	0	0	0	0	0	3	3	4				
GroupWise	10	18	10	8	7	11	1	4	0				
HAPI	44	24	28	24	28	61	5	10	3				
HealthSTAR	75	469	473	343	93	80	111	139	187				
HISTLINE	21	9	10	22	34	30	3	17	14				
History of Science & Technology	9	4	6	12	15	7	2	8	12				
HSTAT	14	6	8	9	6	20	3	2	4				
ICD-9	13	13	12	7	12	25	7	2	15				
IMP	0	0	0	0	2,097	0	1,750	3,102	3,798				
Infection Control Manual	14	6	9	12	6	22	1	2	1				
Info	0	0	0	0	16	0	0	0	1				
INSPEC	14	6	8	17	5	13	1	4	1				
(JGM) Internet Grateful Med	59	18	36	61	16	24	1	12	10				
IRIS	22	12	15	12	12	32	0	0	5				
Laboratory and Diagnostic Tests	0	0	0	0	0	0	0	6	10				
Law Library Catalog	14	22	16	12	22	12	1	12	7				
Lexis-Nexis	0	0	0	0	169	282	280	356	377				
Marriott's Practical Electrocard.	0	0	0	0	0	0	0	16	31				
Martindale	25	40	35	43	134	31	14	13	15				
Material Safety Data Sheets	16	9	10	8	19	22	2	2	2				
MedMenu information	143	134	141	145	115	146	0	1	0				
Merritt's Textbook of Neurology	0	0	0	0	0	0	0	24	32				
Micromedex	51	47	57	111	65	66	0	239	212				
Mosby's Rounds	0	0	0	0	4	0	6	10	21				

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<u>Application</u>	<u>median</u>	<u>Jul-1999</u>	<u>Aug-1999</u>	<u>Sep-1999</u>	<u>Oct-1999</u>	<u>Nov-1999</u>	<u>Dec-1999</u>	<u>Jan-2000</u>	<u>Feb-2000</u>	<u>Mar-2000</u>	<u>Apr-2000</u>	<u>May-2000</u>	<u>Jun-2000</u>
Nelson Textbook of Pediatrics	0	0	0	0	0	0	0	14	26				
New England Journal of Medicine	35	27	17	0	0	40	0	0	0				
NEXIS-LEXIS	296	74	69	160	251	238	280	0	0				
NIH-Consensus-Dev-Statements	3	3	3	0	6	1	5	0	0				
NIH-Guide to Grants & Contracts	23	17	27	13	26	37	0	5	4				
NLM Locator	18	15	28	47	17	11	14	13	28				
NO (Nursing Organization & Practice Manua	13	11	15	10	7	15	1	3	5				
NTIS	14	9	9	6	7	18	0	4	1				
OB/GYN Pathology	0	0	0	0	0	0	0	8	6				
Omega	0	0	88	15	53	0	0	778	977				
OMIM	23	13	10	10	17	43	4	10	5				
OSH-ROM	15	6	8	5	5	18	0	2	2				
Other	0	13	4	5	51	2	0	0	0				
OVID/MEDLINE	9,020	10,307	10,040	13,816	9,985	7,532	4,628	6,633	7,553				
Pantheon/Minerva	2,739	2,687	2,671	394	144	50	11	14	23				
Patent Search	24	381	390	246	45	23	4	4	3				
PDR	45	66	69	76	56	45	39	17	25				
Periodicals Contents Index	18	9	13	11	20	35	3	1	10				
Phone Books	38	23	31	33	43	38	13	12	23				
Physican Data Query	18	13	13	16	15	25	1	7	10				
Physiology Origins of Heart	0	0	0	0	0	0	0	19	6				
PolTox	0	8	9	9	11	0	4	3	2				
POPLINE	20	16	12	118	26	0	10	11	13				
Practical Approach to Infect. Dis.	0	0	0	0	0	0	0	15	19				
Practice of Geriatrics	0	0	0	0	0	0	0	3	3				
Primary Care	0	0	0	0	0	0	0	9	5				
Princ. And Practice of Peds.	0	0	0	0	0	0	0	3	2				
ProQuest-Direct	41	0	0	0	0	35	0	0	0				
PsycINFO	72	48	69	63	149	108	206	322	427				
PubMed (NCBI)	128	153	113	237	205	125	689	1,143	1,736				
Pulmonary	0	0	0	0	0	0	0	7	13				
Red Book	0	0	0	0	0	0	0	3	11				
Research Workstation	22	12	15	34	21	20	8	15	16				
Residents' Reprints	12	8	9	8	9	21	3	0	0				
Rockwood	0	0	0	0	0	0	0	5	7				
Science Citation	0	0	0	0	78	95	37	62	43				
SimBioSys	0	0	0	0	0	0	0	45	46				
Sinard	0	0	0	0	0	0	0	3	2				
Sleisenger	0	0	0	0	0	0	0	21	19				
Sociofile	4	4	4	10	4	14	0	0	0				
Sport Discus	0	0	0	0	0	0	0	29	102				
Statistical UNIVerse	13	17	10	15	13	1	6	5	8				
Surgical Pathology	26	12	14	9	13	38	2	1	2				
Telnet	0	0	0	0	686	0	0	0	0				
Therapeutic Guide	0	0	0	0	0	0	0	7	4				
Toxline	12	7	10	10	14	17	0	3	1				
TOXNET	15	11	11	12	11	19	1	8	1				
UnCover	15	7	10	11	10	19	2	2	4				
Valvular Diseases	0	0	0	0	0	0	0	19	7				
Washington Manual	0	0	0	0	0	0	0	10	27				
Web-of-Science	148	181	154	46	76	40	150	277	343				
Werner	0	0	0	0	0	0	0	9	13				
WilsonWeb	14	7	15	12	15	9	9	11	8				
Wintrobe	0	0	0	0	0	0	0	5	12				
WorldCat	0	31	42	71	71	0	82	113	106				
Yale Library Catalog (OPAC) (ORBIS)	3,261	34	3,308	38	3,571	3,578	1,302	1,725	1,873				
Y-Axis	42	25	24	19	52	39	102	108	103				