Information Technology Services - Medicine Monthly Report January 1998

Highlights and milestones

- ITS-Med conducted its first performance evaluation.
- The 1997 Hardware Inventory was completed. There are 6820 desktop, laptop, and workstation computers in use at the Schools of Medicine and Nursing. Overall, 38% of the machines are Apples; however Apple purchases declined by 32% in 1997 compared to the previous two years.
- Academic Computing designed a new cross campus course on computational analysis of biological information that is being offered this spring.
- The Remedy/Billing Clean-up project has begun and will be completed by June.
- ITS-Med Office Managers have begun biweekly meetings.
- Administrative Systems began testing Kronos time clocks to prepare for the conversion from ScanTime to Kronos.
- Administrative Systems implemented the key security system Custodial Services.
- MacAcademy has been contracted to provided two days of Macintosh training to Client Support in March.
- A pilot of the proposed IT Partners program, bringing department staff into Desktop Support training to improve support, has begun with the Child Study Center and the School of Nursing.
- A pilot of Microsoft's desktop management software, SMS, is underway.
- Technology Evaluation and Planning completed documentation for the new method of Access to Lab Medicine.
- Client Support resolved 94% of calls to the Help Desk in January. Calls that do not get resolved within the two-week turnaround time are primarily orders for new services and billing problems (only 74% of each type were resolved in two weeks).

Information Technology-Medicine Monthly Report

January-98

Applications				Schools of		
Type of application	<u>this month</u>	<u>Jan-97 %</u>	change		<u>Hospital M</u>	edicine & Nursing
AS/400 applications	10,249	-	-	Personal computers as of 12/97	2,200	6,800
CINAHL	584	393	49%	Electronic mail users as of 7/97	1,000	5,492
Core Biomedical Collection	1,023	878	17%	Networked computers as of 9/97	1,575	3,343
Clinical Reporting System (CRS)	595	-	-	Full-time faculty, 1997-98	-	1,278
accesses per user per month	8	-	-	Medical & graduate students, 1997-98	-	3,170
Current Contents	3,592	4,489	-20%	Residents & postdocs, 1997-98	440	1,127
Electronic mail (# messages sent)*	788,285	621,590	27%	Full-time staff, 1997-98	3,526	2,267
messages per user per day	4.0	3.9	3%	Nursing staff, 1997-98	1,659	-
HealthSTAR	624	313	99%	Number of beds, 1997-98	900	-
MEDLINE	18,931	18,307	3%			
searches per active user per mon	8.2	7.9	3%			
Medical Center World Wide Web				System outages		
Medical Center home page	60,355	28,326	113%	None reported.		
Hospital home page	2,107	1,205	75%	-		
School of Medicine home page	9,640	5,229	84%			
Medical Library home page	17,154	10,032	71%			

*Usage for email.med.yale.edu and estimated usage within MS Mail post offices was added to total usage as of 8/97.

Help Desk	ch	ange from		# of c	calls hange from	resolved by c	Help Desk hange from	resolved c	next day hange from
	<u>this month las</u>	<u>st month</u>	<u>Type of call</u>	<u>this month</u>	<u>last month</u>	<u>this month</u>	<u>last month</u>	<u>this month</u>	<u>last month</u>
Total calls	3,155	35%	New order	473	33%	20%	-46%	25%	0%
Calls resolved	94%	1%	Network	400	22%	96%	16%	99%	10%
Calls per day	150	9%	PC/printer	439	21%	61%	0%	82%	-4%
% of ITS-Med clients using Help I	36%	16%	Info	457	44%	72%	-27%	85%	-14%
# of callers	1,416	28%	Call transfer	321	28%	99%	0%	100%	0%
# of Yale affiliates using Web page	640	0%	Status queries	154	28%	86%	-11%	91%	-7%
			Email/Scheduli	275	40%	97%	9%	95%	2%
			Admin systems	89	65%	51%	-15%	83%	-11%
			Billing	66	136%	44%	-30%	45%	5%

Network installations		nge from	NetMenu workstations		ary NetMe	nu		pital NetMe	nu
	<u>this month</u> <u>last</u>	<u>month</u>		# of co	onnections		# of c	onnections	
# of new orders	62	-13%	<u>Type of application</u>	<u>this month</u>	<u>Jan-97</u>	<u>% change</u>	<u>this month</u>	<u>Jan-97</u>	<u>% change</u>
# completed	39	-42%	Medical Education	1,887	3,233	-42%	-	-	-
# open orders	68	15%	Bibliographic databases & sea	6,807	8,325	-18%	1,071	1,794	-40%
waiting for Telecomm	25	257%	Full text & factual databases	184	374	-51%	1,841	2,101	-12%
waiting for Desktop Support	43	-17%	Grant & research information	1	33	-97%	-	-	-
median days from order to install	44	61%	Clinical assistance	12	21	-43%	0	37	-100%
days for Telecom install	6	-8%	Email/news/networks	24,584	22,686	8%	11,558	8,706	33%
days for Desktop Support install	35	73%	Word processing & utilities	0	457	-100%	1,291	1,437	-10%
			Hospital information systems	-	-	-	22,980	23,173	-1%
			Procedure recorders	-	-	-	39	291	-87%
			Total	33,475	35,129	-5%	38,780	37,539	3%
			connections per workstation	1,288	1,351	-5%	373	431	-14%

Overall usage for selected databases

	<u>Dec-96</u>	<u>Jan-97</u>	<u>Feb-97</u>	<u>Mar-97</u>	<u>Apr-97</u>	<u>May-97</u>	<u>Jun-97</u>	<u>Jul-97</u>	<u>Aug-97</u>	<u>Sep-97</u>	<u>Oct-97</u>	<u>Nov-97</u>	<u>Dec-97</u>	<u>Jan-98</u>
<u>Summary</u>														
AS/400 applications	-	-	-	-	-	-	-	11,815	8,173	10,164	10,696	8,299	7,127	10,249
Clinical Reporting System (348	633	742	572	730	620	551	490	495	597	578	516	484	595
Current Contents*	2,937	4,489	3,886	3,931	3,165	3,922	3,173	3,777	3,181	4,817	3,458	3,605	3,194	3,592
OVID databases	13,296	18,307	17,329	17,053	18,577	16,467	15,948	17,333	14,301	17,676	18,707	17,768	14,468	18,931
Medical Center Web server	347,928	431,339	459,226	543,310	623,284	654,313	604,198	682,546	705,680	768,257	921,490	827,327	733,452	954,720
Electronic mail messages ser	422,342	621,590	595,748	564,961	572,553	464,333	364,215	384,559	546,536	690,176	866,832	764,292	667,759	788,285
Details: AS/400 application	ons													
Animal Care and Use Committe	-	-	-	-	-	-	-	142	107	90	117	78	41	93
Business Management Systems	-	-	-	-	-	-	-	13	64	81	84	73	56	84
Clinical G/L Interface	-	-	-	-	-	-	-	-	4	15	9	6	9	7
Clinical Information	-	-	-	-	-	-	-	26	3	1	4	6	1	7
Clinical Information - Reports	-	-	-	-	-	-	-	379	- 174	5 298	5	2 297	2 194	3
Diagnostic Laboratory Graduate and Continuing Educa	-	-	-	-	-	-		3/9	46	298 66	281 64	49	52	226 60
Grants and Contracts	-	-	-	-	-	-	-	92	225	324	389	315	311	402
Grants and Contracts - Reports	-	-	-	-	-	-	-	- 92	38	83	19	57	37	59
Human Investigation Committe	-	-	-	-	-	-	_	_	74	109	84	93	70	75
Human Resources (CHR) - Inq	-	-	-	-	-	-	-	-	106	88	69	76	49	38
Human Resources (CHR) - Meri	t	-	-	-	-	-	-	-	62	51	21	43	15	45
Human Resources (CHR) - Rej	-	-	-	-	-	-	-	-	4	11		5	4	6
Human Resources - General		-	-	-	-	-	-	-	58	61	107	83	80	94
Human Resources - Inquiry	-	-	-	-	-	-	-	-	2,029	2,525	2,805	2,157	1,890	2,806
Human Resources - Profiles		-	-	-	-	-	-	-	3,641	4,325	4,975	3,376	3,185	4,820
Human Resources - Reports	-	-	-	-	-	-	-	-	140	179	218	231	140	312
Internal Medicine		-	-	-	-	-	-	-	12	34	36	53	90 0	74
MED5 - Reports	-	-	-	-	-	-	-	-	6	2	3	11 47	43	1 27
Physician Associates Program Space Inventory System	-	-	-	-	-	-	-	82	232	264	66	61	45	41
Student Research	-	-	-	-	-	-	-		1	204	50	4		43
Student Systems	-	-	-	-	-	-	-	-	481	518	524	502	373	404
Support Services	-	-	-	-	-	-	-	408	216	233	151	177	78	93
System Administration	-	-	-	-	-	-	-	-	317	450	270	242	100	128
Yale Animal Resource Center		-	-	-	-	-	-	48	99	310	318	252	234	259
Other/Miscellaneous	-	-	-	-	-	-	-	7,330	34	13	24	3	25	42
Details: Current Contents	5													
Current Contents total	2,937	4,489	3,886	3,931	3,165	3,922	3,173	3,777	3,181	4,817	3,458	3,605	3,194	3,592
Ovid version	1,633	2,413	2,181	2,227	2,372	2,410	2,082	2,270	2,050	2,586	2,386	2,197	1,786	2,187
Basis version, automatic search	1,108	1,787	1,476	1,483	756	1,512	1,091	1,507	1,131	2,231	1,072	1,408	1,408	1,405
Details: Electronic mail														
Electronic mail total*	422,342	621,590	595,748		572,553	464,333	364,215	384,559	546,536	690,176	866,832	764,292	667,759	788,285
PMDF	422,342	621,590	595,748	564,961	572,553	464,333	364,215	384,559	430,538	566,019	678,025	606,806	506,077	570,473
email.med.yale.edu *Usage for email.med.yale.edu an	- d actimata	- ducana wi	-	-	- Saac wac a	- ddad to tot	- al usago a	- 	115,998	124,157	188,807	157,486	161,682	217,812
Osuge for emailmen.yule.euu un	u estimute	u usuge wi	1415 141	un posi ojj	ices was a	uueu 10 101	ui usuge u.	s 0j 0/97.						
Details: OVID														
1966-75 search sets	3,823	5,349	5,818	5,752	5,530	5,545	4,678	5,165	3,646	5,213	4,577	4,042	2,883	3,407
1976-85 search sets	15,755	20,618	21,255	22,001	21,843	22,084	17,707	20,593	17,346	18,059	18,191	15,676	11,868	15,733
1986-89 search sets	23,185	31,520	29,664	30,687	29,999	30,913	29,454	31,317	26,603	29,891	29,134	25,355	18,805	23,776
1990-present search sets	76,264	102,575	105,377	96,592	99,365	107,291	104,569	115,069	95,855	112,850	115,640	153,125	125,083	153,893
Core Biomedical Collection sea	1,912	2,197 2,301	1,841 4,321	1,960	2,152 3,502	1,737 2,843	1,818 1,825	1,249 1,514	1,436	3,021 2,754	2,386 2,864	2,546 2,287	1,867 1,812	1,023 4,229
HealthStar search sets nursing search sets	2,129 1,972	2,301	4,321	2,247 2,703	3,502	2,843	2,596	2,358	1,215 1,592	2,754	2,864	2,287	1,812	4,229
access method: telnet sessions	11,725	2,904	3,645	13,785	3,175	12,740	2,596	2,558	1,592	12,412	4,208	5,645	8,985	11,239
access method: Web sessions	1.381	2,325	2,231	2,900	3.672	3,471	3.847	4.323	3,731	4.864	5.863	6,503	5,205	7.367
access method: Z39.50	1,501	2,325	434	363	323	284	280	327	296	407	396	261	283	331
		210		200	020	201	200	021	_,,,	/	575	201	200	221

Medical Center Web usage report, January 1998

Top 10 pages accessed by Yale users

Ihis yearIast yearMedical CenterMedical LibraryMedical LibraryMedical LibraryMedideut course evaluationsDesktop SupportDesktop SupportMedical Library's Internet search pageMudical Library's Internet search pageIDX projectMedical Library's Internet search pageIDX projectServer searchStudent course evaluationsAcademic departments pageFind a personFind a person (CSO directory, etc.)Academic departments pageServer total267,845Who connected954,720Yale267,845US government & military8,078US commercial institutions198,62862,225219%US commercial institutions198,62862,225219%US commercial institutions198,62862,225219%US non-profit organizations8,08881,93846,51676%Medical CenterMedical Center0,35540,09451%Yale-New Haven Hospital2,1072,5001 of Mursing1,128600 of Sorganizational chart42431,53825%School of Mursing1,9734487%Core research facilities page248217	Top 10 pages accessed by Ya	ale users		
Medical Library MedMenuMedical Library School of MedicineSchool of MedicineMedMenu MedMent course evaluationsDesktop SupportDesktop SupportDesktop SupportMedical Library's Internet search page Buryer searchMedical Library's Internet search page Server searchDX project Student course evaluationsFind a person (CSO directory, etc.)Academic departments pageServer total267,845158,053Who connected954,720431,339Yale other US educational institutions88,89143,328US government & military US government & military8,0783,533US government & military support8,0783,533US connercial institutions198,62862,225US non-profit organizations us non-profit organizations8,0882,986# of unique hosts connecting81,93846,516# of unique hosts connecting9,6407,703Zheol of Medicine* Core research facilities page248157Admissions, School of Medicine* Emerging Infections Information Network2,4911,996Admission: Community Service217-Medical Library17,15413,28829%Medical Library17,15413,28829%Medical Library17,15413,28829%Major resources217Admission: Community Service217Medical Library17,15413,28829%Medidenu????338 <td><u>this year</u></td> <td><u>last year</u></td> <td></td> <td></td>	<u>this year</u>	<u>last year</u>		
MedMenuSchool of MedicineSchool of MedicineMedMenuStudent course evaluationsDesktop SupportMedical Library's Internet search pageIDX projectMedical Library's Internet search pageFind a personAcademic departments pageFind a personFind a person (CSO directory, etc.)Academic departments pageServer searchStudent course evaluationsValue267,845Yale267,845Other US educational institutions88,89143,328105%US government & military8,0783,533129%US commercial institutions198,62862,225219%US commercial institutions198,62862,256219%US commercial institutions198,628648,716156%# of unique hosts connecting81,93846,51676%Medical Center60,35540,09451%Yale-New Haven Hospital2,1071,12869063%61%Major resources-Admissions, School of Medicine*School's organizational chart4245-7%Computing page24815758%Education page220435-49%Find a person1,970Medical Library1,715413,28829%Medical Library1,715414,677 </td <td>Medical Center</td> <td>Medical Center</td> <td></td> <td></td>	Medical Center	Medical Center		
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Server searchStudent course evaluations Find a personAcademic departments pageFind a personFind a person (CSO directory, etc.)Jan-98Jan-97½ changeServer total954,720431,339121%Who connected954,720431,339121%Yale267,845158,05369%other US educational institutions88,89143,328105%US government & military8,0783,533129%US commercial institutions198,62862,225219%US commercial institutions198,62862,225219%US commercial institutions198,62862,225219%US non-profit organizations80,882,986171%Major online service providers101,13835,954181%International124,93648,71676%Medical Center60,35540,09451%Yale-New Haven Hospital2,1071,57334%School of Medicine9,6407,70325%Admissions, School of Medicine*Admissions, School of Medicine*Admissions, School of Medicine*Computing page85248376%Corresearch facilities page24815758%Education page220435-Emerging Infections Information Network2,4911,99625%Find a person1,970Mission: Education744<	Desktop Support	Medical Library	s Internet searc	ch page
Server searchStudent course evaluations Find a person (CSO directory, etc.)Jan-98Find a personAcademic departments pageServer totalJan-98Jan-97 $& changeWho connectedYale267,845158,05369%Other US educational institutions88,89143,328105%US commercial institutions198,62862,225219%US commercial institutions198,62862,225219%US commercial institutions198,62862,225219%US commercial institutions198,62862,225219%US commercial institutions198,62862,225219%US commercial institutions181,93846,51676%Major online service providers101,13835,954181,93846,61676%Medical Center60,35540,09451,70325%School of Medicine*Admissions, School of Medicine*Major colspan="2">Admissions, School of Medicine*Main colspan="2$	Medical Library's Internet search page	IDX project		
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Who connected Yale 267,845 158,053 69% other US educational institutions 88,891 43,328 105% US government & military 8078 3,533 129% US commercial institutions 198,628 62,225 219% US non-profit organizations 80,88 2,986 171% Major online service providers 101,138 35,954 181% International 124,936 48,716 156% # of unique hosts connecting 81,938 46,516 76% Medical Center 60,355 40,094 51% Yale-New Haven Hospital 2,107 1,573 34% School of Medicine 9,640 7,703 25% School of Medicine - - - School's organizational chart 42 45 -7% Computing page 220 435 -49% Education page 220 435 -49% Education page 220 435 -9%		<u>Jan-98</u>	Jan-97	<u>% change</u>
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*The application was converted to an Oracle-based application in May 1997. It is disabled from November - May.

Top 10 pages accessed by external users

<u>this year</u>	<u>last year</u>
Center for Advanced Instructional Media	Center for Advanced Instructional Med
Medical Center page	Medical Center page
School of Medicine	School of Medicine
Server search	Server search
School of Medicine's admissions viewbook	Medical Library
Medical Library	School of Medicine's admissions viewbo
Child Study Center's Autism page	Child Study Center's Autism page
Medical Library's Selected Internet Resources database	Academic departments page
Yale-New Haven Hospital	Medical Library's Selected Internet Res
Emerging Infections Information Network (EPH)	Yale-New Haven Hospital

	<u>Jan-98</u>	<u>Jan-97</u>	<u>% change</u>
Academic Departments**			
Anesthesiology	418	359	16%
BBS	766	-	-
Boyer Center for Molecular Medicine	715	676	6%
Cancer Center	771	575	34%
Cell Biology	824	551	50%
Cellular & Molecular Physiology	347	237	46%
Child Study Center	815	298	173%
Comparative Medicine	152	66	130%
Dermatology	781	566	38%
Diagnostic Radiology	787	789	0%
Epidemiology & Public Health	2,374	1484	60%
Genetics	1,478	402	268%
History of Medicine	184	118	56%
Immunobiology	547	249	120%
Internal Medicine	699	342	104%
Laboratory Medicine	349	155	125%
Neurobiology	741	560	32%
Neurology	565	358	58%
Neuroscience Program	441	160	176%
Neurosurgery	263	77	242%
Obstetrics & Gynecology	395	269	47%
Ophthalmology	589	536	10%
Orthopaedics & Rehabilitation	190	141	35%
Pathology	1,320	819	61%
Pediatrics	596	247	141%
Pharmacology	355	317	12%
Physician Associate Program	1,025	343	199%
Psychiatry	1,089	905	20%
Surgery	211	312	-32%
Therapeutic Radiology	164	-	-

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

Details for NetMenu Medical Library usage

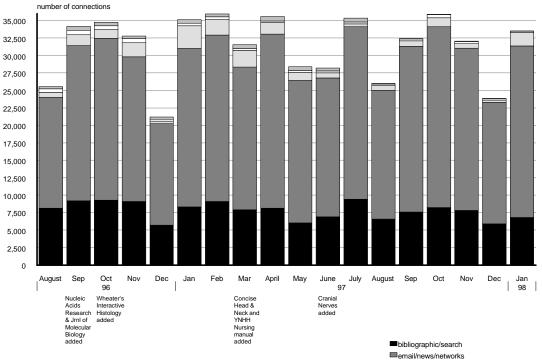
Application	total # <u>Jan-98</u>	f of connect Jan-97 ½		Application	total # <u>Jan-98</u>	of connect Jan-97 ½	ions <u>6 change</u>	Application	total # <u>Jan-98</u>	f of connections Jan-97 % change	
Bibliographic databases				Full text and factual databases	184	374	-51%	Breath sounds	15	35	-57%
and search tools	6,807	8,325	-18%	AIDS/Trials/AIDSDrugs/DIRLINE	0	0	-	Cardiac Angio	29	41	-29%
AIDSLINE	3	15	-80%	Academic Press Journals	8	9	-11%	Cardiac Auscultation	24	48	-50%
Biosis	25	46	-46%	American Journal of Medicine	7	12	-42%	Cardiac Echo	15	19	-21%
Books in Print	6	14	-57%	American Journal of Obstetrics	2	5	-60%	Cardiac MRI	29	36	-19%
CINAHL	7	29	-76%	American Journal of Surgery	1	10	-90%	Cardiac Perfusion Imaging: SP	0	6	-100%
Current Contents	31	98	-68%	Annals of Internal Medicine	2	10	-80%	Cardiac Perfusion Imaging: Pl	2	9	-78%
ERIC	2	9	-78%	Archives of General Psychiatry	3	13	-77%	Cardiothoracic Image Quiz	94	175	-46%
Eureka	2	8	-75%	BMJ	4	8	-50%	Cardiothoracic Imaging	66	46	43%
Expanded Academic Index	5	15	-67%	Britannica Online	3	15	-80%	Concise Atlas - Cardiothoracic	53	33	-
Health Planning and Administration	0	4	-100%	Canadian Medical Association Journal	ĩ	1	0%	Concise Altas - Chest	66	28	-
InfoFinder	78	94	-17%	Circulation	3	2	50%	Concise Altas - Extremities	8	2	-
MEDLINE	4,517	5.080	-11%	Congressional Compass	0	0	_	Concise Altas - Head & Neck	15	0	-
NLM Locator	0	0		Electronic Journals	22	6	267%	Cranial Nerves	1	õ	-
OVID Windows Client	4	0	-	ERAS: Electronic Residency App.	1	0	-	Embryo images	90	549	-84%
PsycINFO	72	132	-45%	Faculty Research Interests database	13	9	44%	EPS Review	3	14	-79%
Science Citation Index	78	239	-67%	FREIDA	5	37	-86%	Extremities Quiz	33	15	120%
Search term lookup	1	0	-	GenBank	3	15	-80%	Forebrain (Syracuse)	4	5	-20%
Yale Library Catalog (OPAC)	1,976	2,542	-22%	History of Science & Technology	2	6	-67%	Gross Anatomy Review	85	181	-53%
Yale Information Sources Directory	0	0		Journal of Biological Chemistry	4	13	-69%	HARP (Histological Anatomy Review	12	5	140%
		-		Journal of Bone & Joint Surgery	0	2	-	Head and Neuroanatomy Quiz	14	Õ	
Email/news/networks	24,584	22,686	8%	Journal of Clinical Investigation	0	7	-100%	Head Quiz	5	22	-
Biomed Email	10,359	12,242	-15%	Journal of Molecular Biology	3	2	50%	Histology Quizbank	5	5	0%
Bulldog Access	119	136	-13%	JAMA	10	16	-38%	Histology Video Review	9	7	-
MEDINFO (Yale-New Haven gopher)	0	0		Lancet	0	9	-100%	HyperCELL	4	1	300%
NIH gopher	õ	Ő	-	Legislate	ŏ	Õ	-	Hyperheart	16	21	-24%
Pantheon/Minerva	2.629	2,450	7%	Micromedex	2	11	-82%	Interactive Brain Atlas	16	14	14%
World Wide Web	11.448	7.822	46%	MMWR	1	2	-50%	Interactive Histology	0	0	-
YaleInfo	29	36	-19%	Network Entrez	3	4	-25%	Interactive Respiratory Physiology	19	4	-
Tuenno	2)	50	1970	New England Journal of Medicine	3	17	-82%	KINEMAGE	2	5	-60%
word processing & utilities (CRL)	0	457	-100%	NEXIS	37	88	-58%	Lazy Eye	6	17	-65%
Epi Info	Ő	11	-100%	Nucleic Acids Research	2	1	100%	MacBaby	206	437	-53%
Excel for Windows	Ő	46	-100%	OMIM/GDB	2	1	100%	Microbiology Quizbank	12	28	-
Format disk	Ő	9	-100%	OncoDisc	0	0	-	Neuroanatomy Review	12	15	-20%
FTP for Windows	Ő	22	-	Pediatrics	5	10	-50%	Neuron Model: Tutorial	3	15	-80%
Health Risk Appraisal	Ő	3	_	Phone Books	15	6	150%	Neuron Model: Current Clamp	2	4	-50%
Virus Scanner (F-PROT)	õ	14	-	Science	10	26	-62%	Neuron Model: Voltage Clamp	2	14	-86%
Wordperfect for Windows	Ő	352	-100%	Scientific American Medicine Consult	3	1	200%	Pathology Quizbank	60	101	-41%
wordperfect for windows	0	002	10070	Yellow Pages	0	0	-	Perineum Ouiz	18	14	-
Grant and research information	1	33	-97%	YNHH Nursing Organization and Practi	4	0	-	PreTest (6 different fields)	16	22	-
Annual grant deadlines	1	0	-	Fittin turbing organization and Fiteti		0		Superhead	13	15	-13%
Community of Science	0	5	-100%	Medical Education	1,887	3,233	-42%	Thorax Quiz	147	303	-51%
CT CRISP	õ	18	-100%	Abdomen Quiz	253	431	-41%	USMLE Step 1	30	46	-
IRIS	Ő	10	-100%	Anatomic Explorer	53	79	-33%	USMLE Step 2	86	60	-
NIH Guide to Grants & Contracts	Ő	0	-	Anatomic Explorer CT	49	81	-40%	Wheater's Interactive Histology	4	1	-
Ani Guide to Giuna de Contracta	0	0		Animated Embryo	142	195	-27%	Whenever's interactive filistology		1	
Clinical assistance	12	21	-43%	Brainstem	142	11	45%				
Coag Advisor	0	1	-100%	Brainstem Quiz	7	0	-				
DXplain	0	0	-	Brainstorm	16	18	-11%				
Hepatitis Advisor	õ	6	-			20		•			
NIH Consensus Dev. Statement	Ő	0	-								
		-									

Details for NetMenu Hospital usage

	total # of co	nnections			total # of connections				
Application	<u>Jan-98</u>	<u>Jan-97 %</u>	<u>change</u>	Application	<u>Jan-98</u>	<u>Jan-97 %</u>	<u>6 change</u>		
Hospital information systems	22,980	23,173	-1%	Full text and factual databases	1,841	2,101	-12%		
CCSS	11,814	12,059	-2%	AIDSDrugs/Trials/Line-Bioethic	0	0	-		
ChartView	760	194	292%	Delineation of Clinical Privileges	20	15	33%		
Clinical laboratory	9,131	10,447	-13%	Electronic Journals	0	0	-		
Diagnostic Imaging	179	148	21%	Harrison's	343	335	2%		
EPIC	711	142	401%	Infection Control Manual	0	0	-		
Electronic Signature (ESA)	223	0	-	JCAHO Accreditation Manual	16	16	0%		
Surgical Pathology	162	183	-11%	Little Brown Handbooks	128	198	-35%		
				Merck Manual	80	98	-18%		
Bibliographic databases and search tool	1,071	1,794	-40%	Micromedex	1,011	994	2%		
CINAHL	71	142	-50%	New England Journal of Medicine	118	208	-43%		
Current Contents	0	0	-	Nursing Procedures Manual	1	0	-		
Health Planning and Administration	34	48	-29%	Red Book on Pediatric Infections	37	36	3%		
HealthSTAR-OVID	0	0	-	Residents Reprint Project	0	0	-		
MEDLINE	916	1,521	-40%	Rosen's Emergency Medicine	36	35	3%		
Yale Library Catalog (OPAC)	50	83	-40%	STAT!-Reference	51	102	-50%		
				YNHH Formulary	0	0	-		
Word processing & utilities	1,291	1,437	-10%	YNHH Documents	0	0	-		
Clinical Workstation locations	47	70	-33%	YNHH Physician Phone Book	0	64	-100%		
Format disk	14	45	-69%						
Virus scan	44	59	-25%	Email/news/networks	11,558	8,706	33%		
Wordperfect	1,186	1,263	-6%	Biomed Email	675	746	-10%		
1				Find People at YNHH/Yale	0	0	-		
Procedure recorders	301	291	3%	GroupWise Email	2,152	1,272	69%		
ED	39	0	_	Internet access	8,731	6,688	31%		
Medicine	65	65	0%		- ,	,			
Ob/Gyn	119	173	-31%						
Surgery	78	53	47%						

NetMenu workstation usage

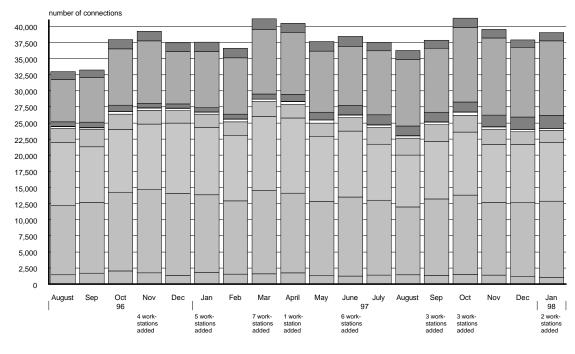
NetMenu in the Medical Library



medical education □full-text databases

Conter (grant, clin. assist., word proc., utilities)

NetMenu in the Hospital



Bibliographic/search Clinical Laboratory Dprocedure recorders Conter hospital information systems email/news/networks

CCSS system full-text databases Clinical assistance

word processing & utilities