



**Information Technology Services - Medicine  
Monthly Report  
November 1999**

**Highlights and milestones**

- Year 2000 operating system upgrades were delivered via the network.
- Year 2000 contingency planning was completed.
- People information in Remedy is now being directly populated from the Oracle HR database.
- The network backbone infrastructure has been upgraded to 100 megabit at College Place.
- The document scanning and management pilot project was implemented in the Office of Grants & Contracts.
- The daily number of remote access users has increased by 74% from last year.



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<u>Applications</u>	<u>this month</u>	<u>Nov-1998</u>	<u>% change</u>
AS/400 applications	7,166	7,888	-9%
CINAHL	392	628	-38%
Biosis	764	919	-17%
Clinical Reporting System (CRS)	366	554	-34%
accesses per user per month	5.7	7.1	-19%
Current Contents*	773	1,012	-24%
Electronic mail (# messages sent)	3,788,117	1,297,225	192%
messages per user per day	16.2	6.8	139%
HealthSTAR	301	397	-24%
MEDLINE	23,642	20,100	18%
searches per active user per month	6.4	6.2	3%
Psychinfo	3,295	2,163	52%
Remote access (median users/day)	596	342	74%
Medical Center World Wide Web			
Medical Center home page	135,059	192,808	-30%
Hospital home page	19,871	not avail.	-
School of Medicine home page	26,295	12,654	108%
Medical Library home page	19,983	12,075	65%

\*Basis version discontinued as of 7/98, automatic searches no longer included.

<u>Help Desk calls</u>	<u>this month</u>	<u>change from 90 day average</u>
Total calls	3,861	-1%
Calls per day	193	5%
% of ITS-Med clients using Help Desk	29%	-26%
# of Yale affiliates using Web page	1,093	-2%
% of calls rolling over to answering service	0.1%	0%

<u>Types of calls</u>		
Call transfer	435	-5%
Complaint	18	-5%
Information request	945	-5%
ITS-Med Services	135	-21%
Remote Access	133	-4%
ADSM	73	711%
Problem report	1591	-3%
Remote access	172	-21%
Netscape Mail	172	17%
Network access	142	-19%
Status inquiry	175	1%
Project X	223	-21%
Departments overcalling	Internal Medicine, EPH	
Departments undercalling	Pediatrics OPS, Nursing	

<u>NetMenu workstations</u>	<u>this month</u>	<u>Library # of connections</u>	<u>Nov-1998</u>	<u>% change</u>
<b>Total</b>	<b>34,678</b>		<b>36,607</b>	<b>-5%</b>
connections from Library	95%			
connections from outside Library	5%			

<u>Background information</u>	<u>Hospital</u>	<u>Schools of Medicine &amp; Nursing</u>
Personal computers as of 8/98	2,100	6,800
Electronic mail users as of 7/99	1,700	7,523
Networked computers as of 9/99	1,700	4,781
Full-time faculty, 1998-99	-	1,765
Medical & graduate students, 1998-99	-	869
Residents & postdocs, 1998-99	460	1,048
Full-time staff, 1998-99	3,440	2,332
Nursing staff, 1998-99	1,540	-
Number of beds, 1998-99	900	-

<u>ITS-Med clients subscribing to:</u>	<u>this month</u>	<u>change from last month</u>
Core network service - Windows	3,697	2%
Core network service - Macintosh	1132	0%
Printer connection	736	1%
other machine-only connection	415	592%
On-campus dial-up service	133	2%
Basic network service	602	2%
ADSM	339	57%
Scheduling	1,484	1%
Remote access	1,873	2%
Workgroup computing	125	-10%
Additional email account	949	5%

<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	1511	21%	-	-
Tasks completed	1494	21%	93%	-1%
Delayed work orders	352	45%	-	-
Billable work orders	68%	-4%	-	-
Normal priority	82%	3%	100%	2%
Emergency priority	18%	-11%	100%	1%
Problem reports	281	19%	100%	0%
Operating system	67	14%	100%	0%
Printer	58	-11%	100%	0%
Network access problem	56	10%	100%	0%
New services	259	-14%	100%	0%
Reconfigure machine	52	-44%	100%	0%
Install machine	46	-12%	100%	0%
Swap machines	43	-7%	100%	1%
Service cancellations	38	0%	100%	0%
Departments over-ordering	Facilities, OPS, ITS-Med			
Departments under-ordering	Psychiatry, Nursing, MB&B			

<u>Hospital NetMenu</u>	<u>this month</u>	<u>Nov-1998</u>	<u>% change</u>
<b># of connections</b>	<b>38,630</b>	<b>38,434</b>	<b>1%</b>

# Overall usage for selected databases

	<u>Oct-1998</u>	<u>Nov-1998</u>	<u>Dec-1998</u>	<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>
<b>Summary</b>														
<b>AS/400 applications</b>	10,852	7,888	7,192	9,816	9,065	10,420	11,139	11,901	11,980	9,320	8,218	7,798	7,764	7,166
<b>Clinical Reporting System (CRS)</b>	345	554	310	563	251	498	395	466	524	471	519	387	401	366
<b>OVID sessions</b>	20,025	20,100	13,798	16,111	17,081	20,834	22,139	18,639	16,687	17,844	16,089	19,131	20,935	23,642
<b>Medical Center Web server</b>	1,376,407	1,376,407	1,352,920	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
<b>Electronic mail messages sent</b>	505,721	729,689	740,751	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

## Details: AS/400 applications

Animal Care and Use Committee	136	169	141	57	164	55	74	52	76	22	29	62	53	45
Business Management Systems	122	100	106	96	89	109	106	97	99	63	51	68	61	89
Clinical G/L Interface	10	14	2	18	8	0	10	2	10	50	11	0	0	0
Clinical Information	0	1	0	4	1	0	5	1	1	1	0	0	0	0
Clinical Information - Reports	2	0	1	1	1	0	5	0	3	5	1	0	0	0
Diagnostic Laboratory	286	229	218	309	226	300	275	209	223	216	237	238	278	267
Graduate and Continuing Education	72	58	48	59	65	87	69	61	70	44	54	56	59	58
Grants and Contracts	442	396	295	380	375	416	405	362	365	310	214	168	164	141
Grants and Contracts - Reports	125	59	27	28	25	11	34	21	33	2	2	0	0	0
Human Investigation Committee	70	66	88	105	111	99	103	92	108	23	22	9	14	13
Human Resources (CHR) - Inquiry	43	41	41	52	69	44	12	2	3	3		3	0	0
Human Resources (CHR) - Merit	48	35	22	14	32	46	606	1950	885	302	37	21	50	25
Human Resources (CHR) - Reports	0	0	0	2	7	1	37	45	56	8	2	4	2	4
Human Resources - General	53	37	29	29	34	28	55	49	98	32	17	23	25	33
Human Resources - Inquiry	3,738	2,626	2,358	3,313	2,950	3,356	3,466	3,298	3,356	2,984	2,889	2,446	2,715	2,554
Human Resources - Profiles	4,463	3,193	2,633	3,974	3,608	4,482	4,293	4,415	5,415	4,356	3,650	3,544	3,361	2,984
Human Resources - Reports	167	144	170	286	212	216	252	207	223	212	146	159	148	95
Internal Medicine	31	17	57	56	25	3	6	0	2	1	10	0	9	21
MED5 - Reports	2	1	2	7	1	1	1	0	2	1	2	1	0	0
Office of Public Information	-	-	11	10	25	11	7	56	26	16	28	19	6	15
Physician Associates Program	19	15	20	40	28	33	13	2	4	6	11		0	8
Space Inventory System	68	63	35	44	32	79	140	128	89	72	53	312	187	53
Student Research	43	7	5	66	21	36	42	7	8	23	21	31	15	25
Student Systems	285	132	313	356	340	396	348	336	385	414	393	369	390	469
Support Services	173	141	131	117	207	159	139	137	183	52	39	10	18	11
System Administration	139	72	150	106	176	306	530	265	180	58	214	173	133	211
Yale Animal Resource Center	298	272	286	281	231	138	106	91	65	41	78	74	64	40
Other/Miscellaneous	17	0	3	6	2	8		16	12	3	7	8	12	5

## Details: OVID

Biosis	945	919	1,363	714	890	896	923	585	682	612	534	580	730	764
CINAHL	472	390	216	238	296	352	377	272	252	217	135	307	368	392
Compendex	141	122	89	221	182	207	142	144	126	119	111	161	190	181
Current Contents	2,289	1,012	884	1,179	1,167	1,211	1,003	800	967	882	778	838	756	773
Full-Text Journal Collections	1,763	7,050	1,785	3,515	4,090	6,931	8,265	6,464	6,666	4,507	3,754	4,631	5,801	6,910
HAPI	81	76	23	44	58	77	80	51	93	51	37	72	91	83
HealthStar	390	397	254	303	320	317	413	198	166	197	186	250	344	301
MEDLINE, current segment	7,466	6,468	4,927	6,004	6,163	6,782	6,316	5,132	5,149	5,191	4,814	5,247	5,634	5,832
MEDLINE back files	6,086	5,437	4,646	5,326	5,691	6,903	7,143	6,238	6,064	6,326	6,027	6,541	6,659	6,612
PsychInfo	1,868	2,163	1,495	1,328	1,466	1,926	2,987	1,375	1,181	1,323	1,132	1,652	2,209	3,295
access method: telnet sessions	6,862	5,033	3,830	4,503	4,296	5,996	5,604	4,408	3,985	3,797	3,436	3,574	3,373	3,026
access method: Web sessions	12,796	14,453	9,618	11,096	12,295	14,205	15,967	11,975	12,187	13,615	12,335	15,192	17,214	20,278
access method: Z39.50	371	646	353	525	495	653	562	427	535	475	374	414	379	339

# Medical Center Web usage report, November 1999

## Top 10 pages accessed by Yale users

<u>this year</u>	<u>last year</u>
Medical Center	<i>not available this month</i>
Medical Library	
MedMenu	
EPH Library	
YSMInfo	
School of Medicine	
Find a person	
Server search	
ITS-Med computing services	
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	<i>not available this month</i>
Yale-New Haven Hospital Clinical Workstation	
Medical Center page	
School of Medicine	
MedMenu	
Medical Library	
Office of Admissions	
Server search	
Yale Heart Book	
BBS	

	<u>Nov-1999</u>	<u>Nov-1998</u>	<u>% change</u>
<b>Server total</b>	<b>2,470,971</b>	<b>1,159,710</b>	113%
<b>Who connected</b>			
Yale	962,757	1,029,387	-6%
other US educational institutions	199,227	416,393	-52%
US government & military	17,373	36,570	-52%
US commercial institutions	316,910	674,596	-53%
US non-profit organizations	22,331	49,760	-55%
Major online service providers	222,379	568,034	-61%
International	270,685	621,324	-56%
<b># of unique hosts connecting</b>	<b>128,400</b>	<b>114,436</b>	12%
<b>Medical Center</b>	<b>125,429</b>	<b>192,808</b>	-35%
Find a person	4,214	1,741	142%
Find a physician	1,256	702	79%
Community Service	451	214	111%
Education	957	758	26%
Patient Care	487	354	38%
Research	1,017	956	6%
<b>School of Medicine</b>	<b>25,530</b>	<b>12,654</b>	102%
About the School	949	-	-
Admissions, School of Medicine	2,790	-	-
Alumni	422	-	-
Community programs	335	-	-
Computing	545	-	-
Departments	4,618	-	-
Development	314	-	-
Education & student life	327	-	-
Faculty	1,598	-	-
Find a Yale doctor	472	-	-
Libraries	698	-	-
News & publications	484	-	-
Patient care	472	-	-
Research	1,269	-	-
YSMInfo	9,152	-	-
<b>Major resources &amp; service departments</b>			
Admissions application, School of Medicine	703	387	-
Business Center (Financial Operations)	564	-	-
CAIM	5,185	1,923	170%
CAIM style manual	76,931	60,817	26%
Center for Cell Imaging	779	1,923	-59%
Emerging Infections Information Network	1,540	1,580	-3%
ITS-Med	1,440	-	-
ITS-Med Computing Services	5,921	1,109	434%
ITS-Med Media Services	758	385	97%
Medical Library	54,369	12,075	350%
MedMenu	30,017	35,803	-16%
Scientific Affairs and Grant & Contrac Administration	1,490	956	56%
Software - Macintosh	312	-	-
Software - Windows	804	-	-
Web Design & Development	1,318	-	-
Yale Faculty Practice	1,476	873	69%
Year 2000	714	-	-

	<u>Nov-1999</u>	<u>Nov-1998</u>	<u>% change</u>
<b>Yale-New Haven Hospital</b>	<b>20,106</b>	<b>not avail.</b>	-
<b>School of Nursing</b>	<b>2,803</b>	<b>2,029</b>	38%
<b>Academic Departments**</b>			
Anesthesiology	240	290	-17%
BBS	2,152	1,562	38%
Boyer Center for Molecular Medicine	811	800	1%
Cancer Center	1,746	1,388	26%
Cell Biology	986	1,923	-49%
Cellular & Molecular Physiology	925	393	135%
Child Study Center	3,167	1,633	94%
Comparative Medicine	165	181	-9%
Dermatology	926	1,017	-9%
Diagnostic Radiology	832	588	41%
Epidemiology & Public Health	5,627	3,681	53%
Genetics	1,108	1,161	-5%
History of Medicine	431	332	30%
Immunobiology	1,042	709	47%
Internal Medicine	1,248	859	45%
Laboratory Medicine	766	483	59%
Neurobiology	1,150	884	30%
Neurology	1,135	740	53%
Neuroscience Program	845	515	64%
Neurosurgery	581	299	94%
Obstetrics & Gynecology	882	417	112%
Ophthalmology	942	1,400	-33%
Orthopaedics & Rehabilitation	731	446	64%
Pathology	1,282	1,118	15%
Pediatrics	1,085	679	60%
Pharmacology	679	498	36%
Physician Associate Program	1,236	1,337	-8%
Psychiatry	2,053	1,284	60%
Surgery	149	183	-19%
Therapeutic Radiology	386	188	105%

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

## MedMenu Medical Library usage during 1999-2000

<u>Application</u>	<u>FY 98-99</u> <u>median</u>	<u>Jul-99</u>	<u>Aug-99</u>	<u>Sep-99</u>	<u>Oct-99</u>	<u>Nov-99</u>
<b>TOTAL CONNECTIONS</b>	<b>36,114</b>	<b>32,757</b>	<b>34,678</b>	<b>36,366</b>	<b>39,164</b>	<b>37,795</b>
<b>Electronic textbooks</b>	<b>551</b>	<b>577</b>	<b>583</b>	<b>806</b>	<b>925</b>	<b>796</b>
Harrison's	276	272	282	337	403	424
MAXX	0	1	3	0	0	0
Medical Letter on Drugs and Therap.	50	40	38	47	38	43
Merck Manual	74	80	90	281	299	141
SAM: Scientific Amer. Medicine	51	77	76	43	69	70
SIR - Texts	45	66	46	44	53	53
Stat!Ref-TextBooks	29	15	13	23	32	28
Williams-Obstetrics	28	26	35	31	31	37
<b>Medical Education</b>	<b>636</b>	<b>653</b>	<b>672</b>	<b>839</b>	<b>1,121</b>	<b>705</b>
Abdomen Quiz	7	13	13	14	17	6
Anatomic Explorer	10	8	4	12	35	15
Anatomic Explorer CT	5	4	3	10	16	9
Animated Embryo	10	5	1	2	13	27
Brainstem	3	8	0	0	11	3
Brainstorm	5	22	19	2	7	3
Breath sounds	5	5	7	5	6	6
Cardiac Angio	3	6	2	6	10	2
Cardiac Auscultation	3	3	5	14	8	2
Cardiac Echo	3	7	8	10	19	1
Cardiac MRI	2	6	1	7	6	0
Cardiac Perfusion Imaging: SP	1	1	1	1	7	0
Cardiac Perfusion Imaging: PI	0	2	2	0	3	0
Cardiothoracic Image Quiz	3	11	1	1	5	2
Cardiothoracic Imaging	3	9	3	2	7	3
Concise Atlas - Cardiothoracic	2	2	0	2	2	3
Concise Atlas - Chest	1	1	0	2	2	10
Concise Atlas - Head & Neck	16	6	8	0	0	0
Course Info	0	0	10	32	21	0
Course Evaluations	0	0	0	0	0	22
Cranial Nerves	0	0	0	0	1	0
Educational Software	168	149	176	152	186	265
Embryo images	5	8	2	5	5	22
EPS Review	2	3	1	1	4	2
Eroshenko's Interactive Histology	0	0	0	0	2	0
Extremities Quiz	3	4	2	9	15	42
Functional Anatomy of the Heart	0	0	0	0	4	0

<u>Application</u>	<u>FY98-99</u> <u>median</u>	<u>Jul-1999</u>	<u>Aug-1999</u>	<u>Sep-1999</u>	<u>Oct-1999</u>	<u>Nov-1999</u>
Gross Anatomy Review	27	12	2	23	61	94
HARP (Histological Anatomy Review)	2	8	0	16	10	5
Head Quiz	2	8	0	0	12	5
Histology Quizbank	2	4	2	6	6	1
Histology Video Review	0	0	0	1	3	0
HyperBRAIN	1	3	3	0	6	1
Hyperheart	1	5	0	0	1	2
Interactive Brain Atlas	4	4	2	3	9	3
Kaplan's	65	21	8	9	11	0
KINEMAGE	1	18	0	0	2	1
Lazy Eye	3	11	3	2	4	2
MacBaby	7	12	3	3	7	43
MD Consult	0	0	233	367	418	0
Microbiology Quizbank	7	9	6	10	6	58
Neuroanatomy Review	4	9	4	7	9	2
Neuron Model: Tutorial	1	4	0	0	7	1
Neuron Model: Current Clamp	1	5	0	8	3	0
Neuron Model: Voltage Clamp	1	3	0	1	2	1
Pathology Quizbank	5	28	23	8	24	11
Perineum Quiz	2	33	1	5	6	2
PreTest (6 different fields)	12	37	40	17	24	8
Superhead	4	3	1	0	3	3
Thorax Quiz	4	3	2	1	3	7
USMLE Step 1	16	67	35	20	22	3
USMLE Step 2	20	5	10	9	18	4
WebPath	0	48	25	31	24	0
Wheater's Interactive Histology	1	10	0	3	8	3

<b>Other resources</b>	<b>34,767</b>	<b>31,527</b>	<b>33,423</b>	<b>34,721</b>	<b>37,118</b>	<b>36,294</b>
Abbreviation Finding Aids	0	23	21	30	31	0
Academic Search Elite	0	0	0	0	44	0
AIDSLine/Drugs/Trials	49	30	36	100	86	103
Alphabetical List	0	0	0	0	441	221
Applied Science	8	5	4	6	10	14
Best-Evidence	15	7	15	16	17	56
Bioethicsline	20	19	10	23	23	40
Biography Index	17	12	3	11	4	30
Biomed VAX	13,743	9,362	8,597	10,747	10,447	15,991
Biosis	63	56	44	51	69	87
Books in Print	61	40	69	73	56	98
Britannica Online	36	32	33	21	51	56

<b>Application</b>	<b><u>FY98-99</u></b> <b>median</b>	<b><u>Jul-1999</u></b>	<b><u>Aug-1999</u></b>	<b><u>Sep-1999</u></b>	<b><u>Oct-1999</u></b>	<b><u>Nov-1999</u></b>
Bulldog Access	25	30	29	19	33	28
Cancernet	23	11	11	17	36	47
CIAO: Columbia Int'l Affairs Online	1	0	2	2	1	6
CINAHL	60	549	540	428	111	93
Clinical Laboratory	18	12	13	10	13	26
Cochrane	45	47	34	49	39	113
Community of Science	83	9	72	8	12	23
Compendex	40	503	509	377	59	39
Congressional Universe	17	6	14	13	13	27
CT CRISP	16	8	16	18	33	30
Current Contents	56	40	40	43	53	59
Current Diagnoses	292	382	375	345	383	316
Diagnostic Imaging	15	39	21	15	12	22
DIRLINE	10	13	8	9	7	23
Dissertation Abstracts	29	27	24	18	42	44
Divisible Human	0	0	0	0	4	0
EBMR	21	14	15	12	18	29
EconLit	3	5	4	11	6	8
Electronic Journals	2,226	2,529	2,291	3,469	4,193	1,576
Electronic Textbooks	0	727	642	774	876	658
Entrez	29	8	11	8	7	30
EPI Info	0	0	0	0	2	0
EPIC	13	6	9	7	8	24
ERAS	3	14	27	24	47	0
ERIC	16	9	17	9	13	23
Eureka	20	44	50	53	40	16
Faculty Research Interest	0	0	0	0	37	78
FEDIX	9	8	8	8	5	12
Forebrain	0	0	0	0	3	0
Formulary Catalog	17	7	13	10	8	23
FREIDA	35	487	495	380	74	29
GDB	14	453	462	333	46	11
GenBank	17	23	8	12	10	27
GPO	19	12	12	14	13	31
GramStainTutor	0	0	0	0	28	0
Grant Resources	16	11	9	12	13	29
GroupWise	10	18	10	8	7	11
HAPI	44	24	28	24	28	61
HealthSTAR	75	469	473	343	93	80
HISTLINE	21	9	10	22	34	30
History of Science & Technology	9	4	6	12	15	7

<b>Application</b>	<b><u>FY98-99</u></b>	<b><u>Median</u></b>	<b><u>Jul-1999</u></b>	<b><u>Aug-1999</u></b>	<b><u>Sep-1999</u></b>	<b><u>Oct-1999</u></b>	<b><u>Nov-1999</u></b>
HSTAT	14	6	8	9	6	20	
ICD-9	13	13	12	7	12	25	
IMP	0	0	0	0	2,097	0	
Infection Control Manual	14	6	9	12	6	22	
Info	0	0	0	0	16	0	
INSPEC	14	6	8	17	5	13	
(IGM) Internet Grateful Med	59	18	36	61	16	69	
IRIS	22	12	15	12	12	32	
Law Library Catalog	14	22	16	12	22	12	
Lexis-Nexis	0	0	0	0	169	282	
Martindale	25	40	35	43	134	31	
Material Safety Data Sheets	16	9	10	8	19	22	
MedMenu information	143	134	141	145	115	164	
Micromedex	51	47	57	111	65	66	
Mosby's Rounds	0	0	0	0	4	0	
New England Journal of Medicine	35	27	17	0	0	40	
NEXIS-LEXIS	296	74	69	160	82	238	
NIH-Consensus-Dev-Statements	3	3	3	0	6	1	
NIH-Guide to Grants & Contracts	23	17	27	13	26	37	
NLM Locator	18	15	28	47	17	11	
NO (Nursing Organization & Practice Ma	13	11	15	10	7	15	
NTIS	14	9	9	6	7	18	
Omega	0	0	88	15	53	0	
OMIM	23	13	10	10	17	43	
OSH-ROM	15	6	8	5	5	18	
Other	0	13	4	5	51	2	
OVID/MEDLINE	9,020	10,307	10,040	13,816	9,985	9,345	
Pantheon/Minerva	2,739	2,687	2,671	394	144	50	
Patent Search	24	381	390	246	45	23	
PDR	45	66	69	76	56	45	
Periodicals Contents Index	18	9	13	11	20	35	
Phone Books	38	23	31	33	43	38	
Physican Data Query	18	13	13	16	15	25	
PolTox	0	8	9	9	11	0	
POPLINE	20	16	12	118	26	22	
ProQuest-Direct	41	0	0	0	0	35	
PsycINFO	72	48	69	63	149	108	
PubMed (NCBI)	128	153	113	237	205	125	
Research Workstation	22	12	15	34	21	20	
Residents' Reprints	12	8	9	8	9	21	
Science Citation	0	0	0	0	78	95	



<b><u>Application</u></b>	<b><u>FY98-99</u></b>	<b><u>Jul-1999</u></b>	<b><u>Aug-1999</u></b>	<b><u>Sep-1999</u></b>	<b><u>Oct-1999</u></b>	<b><u>Nov-1999</u></b>
	<b><u>Median</u></b>					
Selected Internet Resources (SIR)	789	816	602	705	1,052	796
Sociofile	4	4	4	10	4	15
Statistical UNIVerse	13	17	10	15	13	0
Surgical Pathology	26	12	14	9	13	59
Telnet	0	0	0	0	686	3
Toxline	12	7	10	10	14	25
TOXNET	15	11	11	12	11	19
UnCover	15	7	10	11	10	41
Web-of-Science	148	181	154	46	76	50
WilsonWeb	14	7	15	12	15	21
WorldCat	0	31	42	71	71	0
Yale Library Catalog (OPAC) (ORBIS)	3,261	34	3,308	38	3,571	3,663
Y-Axis	42	25	24	19	52	49

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

<u>Application</u>	<u>FY 98-99 median</u>	<u>Jul-99</u>	<u>Aug-99</u>	<u>Sep-99</u>	<u>Oct-99</u>	<u>Nov-99</u>	<u>Dec-99</u>	<u>Jan-00</u>	<u>Feb-00</u>
<b>TOTAL CONNECTIONS</b>	<b>38,295</b>	<b>36,867</b>	<b>37,744</b>	<b>36,240</b>	<b>38,630</b>	<b>29,167</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>			
CCSS	11,619	10,446	9,906	9,437	11,576	11,157			
ChartView	1,261	2,457	2,905	2,289	2,494	3,528			
Clinical laboratory	8,172	8,590	9,617	8,602	9,919	2,590			
Clinical services	422	601	585	778	743	784			
Diagnostic Imaging	90	870	1,049	880	1,089	1,220			
Electronic Signature (ESA)	697	978	1,331	882	897	1,165			
EPIC	485	452	347	494	537	614			
Office services	543	1,011	984	1,347	1,314	1,307			
Surgical Pathology	47	65	76	97	107	109			
<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>			
Cancernet	6	11	18	9	14	6			
CINAHL	40	17	9	24	15	24			
Current Contents	4	4	5	15	5	3			
HealthSTAR-OVID	21	1,090	977	954	1,110	1,015			
MEDLINE	503	96	141	96	130	107			
Yale Library Catalog (ORBIS)	34	14	9	19	15	4			
<b>Word processing &amp; utilities</b>	<b>1,083</b>	<b>883</b>	<b>883</b>	<b>935</b>	<b>1,089</b>	<b>1,085</b>			
Clinical Workstation locations	42	40	19	23	11	7			
Format disk	18	17	17	23	17	12			
Virus scan	9	6	1	0	0	0			
Word for Windows	783	687	846	824	913	1,023			
Wordperfect	276	133	0	65	148	43			
<b>Procedure recorders</b>	<b>289</b>	<b>348</b>	<b>280</b>	<b>630</b>	<b>558</b>	<b>454</b>			
ED	44	73	87	96	46	51			
Medicine	76	94	102	93	148	107			
Ob/Gyn	20	38	18	16	21	15			
Surgery	117	143	73	79	78	57			
Procedure Recorders	0	0	0	346	265	224			
<b>Full text and factual databases</b>	<b>1,546</b>	<b>4,170</b>	<b>4,119</b>	<b>4,190</b>	<b>3,192</b>	<b>2,178</b>			
AIDS/Drugs/Trials/Line-Bioethic	5	7	8	4	1	4			
Cochrane Library	16	14	7	10	6	10			
Current Diagnosis & Treatment texts	151	142	277	189	165	164			
Delineation of Clinical Privileges	13	50	22	100	69	8			
Electronic Journals	360	591	556	419	599	528			

<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>
Geriatric Medicine	5	2	12	6	0	7			
Global Textbook of Anesthesiology	9	5	2	0	3	3			
Harrison's	280	288	336	317	258	244			
Infection Control Manual	25	208	200	194	127	56			
Info	-	4	0	2	5	0			
JCAHO Accreditation Manual	22	50	71	91	23	80			
Laboratory Point of Care Testing Procedure	3	6	3	2	4	1			
Little Brown Handbooks	107	63	61	55	52	45			
Material Safety Data Sheets	3	7	3	26	15	3			
Medical Letter on Drugs & Therapies	23	18	15	20	16	23			
Merck Manual	60	89	59	65	53	49			
Micromedex	509	545	747	465	450	499			
New England Journal of Medicine	38	34	17	2	8	0			
Nursing Procedures Manual (NO)	109	326	148	255	164	102			
OMIM	3	2	5	1	4	2			
Pharm Antibiotic Info	-	6	12	7	4	2			
Pharm InfoNet	34	42	41	27	39	37			
Red Book on Pediatric Infections	21	21	34	15	11	22			
Rosen's Emergency Medicine	30	36	43	29	30	21			
STAT!-Reference	62	33	36	30	16	19			
Virtual Hospital	16	18	24	29	16	14			
Voyager	-	2	7	7	5	5			
Williams Obstetrics	-	5	7	4	6	11			
Yale Directory	14	18	28	34	32	19			
YNHH Documents	463	1,249	995	1,055	814	155			
YNHH Formulary	10	6	14	16	10	3			
YNHH House Staff Training	307	270	306	691	172	37			
YNHH Physician Phone Book	19	13	23	23	15	5			
<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>			
Biomed Email	832	776	742	2,078	875	968			
GroupWise Email	1,712	1,305	1,453	1,503	1,760	449			
Home Page	144	321	309	423	312	253			
Internet	5,488	2,331	1,973	513	846	128			
Mainframe	5	4	5	5	1	1			
Medical Library	14	23	14	27	28	15			
Selected Internet Resources	12	4	7	13	4	3			
<b>Clinical Assistance</b>	<b>12</b>	<b>9</b>	<b>7</b>	<b>1</b>	<b>6</b>	<b>2</b>			
Coag Advisor	12	9	7	1	6	2			