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ARL ACADEMIC  
HEALTH SCIENCES  
LIBRARY STATISTICS  
2005-06

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with accompanying documentation, are available at  
<http://www.arl.org/stats/annualsurveys/med/index.shtml>.

*The tables presented in this publication are not indicative of performance and outcomes and should not be used as measures of library quality. In comparing any individual library to ARL medians or to other ARL members, one must be careful to make such comparisons within the context of differing institutional and local goals and characteristics.*

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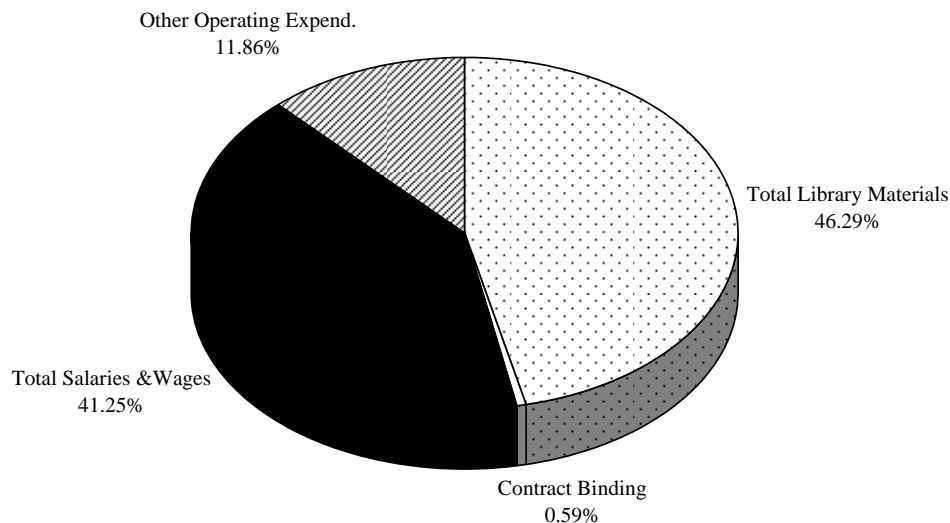
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**HIGHLIGHTS**  
**ARL ACADEMIC HEALTH SCIENCES LIBRARY STATISTICS, 2005-06**

- Out of 113 ARL university libraries, 65 responded to this survey.<sup>1</sup>
- Health Sciences libraries reported median values of 245,212 volumes held and 3,939 gross volumes added. The full-time equivalent of 2,524 staff were employed by these libraries during the year.
- Responding libraries reported total expenditures of \$239,944,918.<sup>2</sup> As seen in the graph below, library materials made up the largest portion of that total, with 46.29% of aggregated expenses falling under that category.
- Health sciences libraries reported a total of \$51,689,469 on electronic materials, or a median of 54.29% of their total materials budgets. This includes a total of \$47,179,215 on electronic serials.

**Expenditures in ARL Health Sciences Libraries, 2005-06**



<sup>1</sup> 70 university libraries reported a Health Sciences library on the 2005-06 *ARL Statistics*. British Columbia, Brown, Laval, Manitoba, Missouri, Ohio, and Wayne State included Health Sciences library data with the *ARL Statistics*, but did not respond to this survey. Cornell and Indiana did not include a Health Sciences library on the *ARL Statistics*, but submitted a response to this survey.

<sup>2</sup> This figure includes Canadian universities, whose expenditures were converted to U.S. dollars at the rate of 1.16289 Can\$ = 1 US\$, the average monthly noon exchange rate published in the *Bank of Canada Review* for the period July 2005-June 2006.



**ARL HEALTH SCIENCES LIBRARY DATA TABLES**  
**2005-06**

ARL HEALTH SCIENCES LIBRARY DATA TABLES 2005-06

COLLECTIONS

(Survey Question #)		Volumes in Library	Volumes Added (Gross)	Volumes Added (Net)	Mono- graphs Purchased	Current Serials Purchased	Current Serials Received	Current Serials Total
(1)	(1.b.i)	(1.b)	(2)	(4.a)	(4.b)	(4)		
INSTITUTION	Notes							
ALABAMA	BG+	17,863	312	291	45	228	67	295
ARIZONA	BG+	222,057	2,424	-15,083	476	UA/NA	UA/NA	6,167
BOSTON	G	143,326	1,782	-277	488	3,375	272	3,647
CALIFORNIA, DAVIS	G+	365,127	7,480	5,454	2,868	1,355	239	1,594
CALIFORNIA, IRVINE	BG+	312,600	14,164	13,202	3,362	4,278	2,088	6,366
CALIFORNIA, LOS ANGELES		651,167	10,554	8,072	2,434	3,471	0	3,471
CALIFORNIA, SAN DIEGO	+	238,499	5,772	-4,512	2,331	3,778	977	4,755
CASE WESTERN RESERVE	G+	414,697	5,649	4,923	211	1,853	171	2,024
CHICAGO	G+	797,127	26,218	26,218	2,340	7,350	0	7,350
CINCINNATI	G	301,554	4,481	4,424	1,280	2,312	128	2,440
COLUMBIA	+	558,804	3,475	2,632	855	4,389	0	4,389
CONNECTICUT	G	205,256	4,267	3,489	1,675	1,540	3,045	4,585
CORNELL	+	184,952	4,264	3,886	1,223	5,888	72	5,960
DARTMOUTH	G+	261,337	3,144	248	1,059	1,960	196	2,156
DUKE	B+	292,972	3,281	2,448	1,589	1,215	4	1,219
EMORY	+	238,259	4,250	2,402	953	1,510	2	1,512
FLORIDA	+	352,466	6,418	469	1,053	865	15	880
FLORIDA STATE	B+	8,458	49	49	49	909	0	909
GEORGE WASHINGTON	B+	130,056	1,739	-559	1,657	2,832	1,683	4,515
GEORGETOWN	BG+	99,910	949	-39,390	371	2,151	447	2,598
HARVARD	G+	681,657	5,546	-13,044	UA/NA	UA/NA	UA/NA	2,383
HOWARD	B+	133,409	369	307	339	572	0	572
ILLINOIS, CHICAGO	G+	717,197	20,590	15,016	4,356	6,874	0	6,874
INDIANA	+	275,751	5,859	5,831	713	1,714	54	1,768
IOWA	+	350,932	4,504	4,325	4,325	6,735	10	6,745
JOHNS HOPKINS	G	416,043	2,577	1,899	1,053	3,420	360	3,780
KANSAS	+	172,100	1,944	1,844	256	4,801	2,247	7,048
KENTUCKY	G	236,980	4,410	4,352	1,226	2,844	84	2,928
LOUISIANA STATE	+	48,194	521	499	203	338	26	364
LOUISVILLE	G	245,212	3,939	3,586	3,586	1,693	0	1,693
MCGILL	G	354,269	6,296	5,853	UA/NA	2,700	265	2,965
MCMASTER	G+	162,601	2,008	2,008	1,447	3,732	476	4,208
MIAMI	G+	229,471	5,015	4,591	1,000	6,406	235	6,641
MICHIGAN	BG	563,173	10,025	7,250	3,086	2,620	192	2,812
MINNESOTA	BG+	577,967	8,858	7,147	1,564	2,601	375	2,976
MONTREAL	G+	333,697	4,453	3,822	1,942	3,003	800	3,803
NEW MEXICO	+	162,384	1,338	-4,918	621	1,275	515	1,790
NEW YORK	G+	217,900	11,276	-1,274	6,492	12,614	540	13,154
NORTH CAROLINA	G	333,493	5,604	5,089	3,704	3,210	890	4,100

+ - See Footnotes  
 UA/NA - Unavailable or Not Applicable

G - Government documents not included in serials count  
 B - Includes branch campuses



**ARL HEALTH SCIENCES LIBRARY DATA TABLES 2005-06**

**COLLECTIONS**

Microform Units	Government Documents	Computer Files	Archives And Manus.	Carto- graphic Materials	Graphic Materials	Audio Materials	Video and Film	(Survey Question #) INSTITUTION
(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	
0	0	126	0	0	1,547	406	352	ALABAMA
4,736	0	361	15	34	71,719	607	5,070	ARIZONA
29	0	176	712	0	17,700	325	225	BOSTON
16,652	UA/NA	181	UA/NA	UA/NA	364	3,497	237	CALIFORNIA, DAVIS
346,717	24,008	1,197	468	1,338	8,599	1,268	1,269	CALIFORNIA, IRVINE
64,619	5,788	2,003	1,119	3	43,984	3,541	1,595	CALIFORNIA, LOS ANGELES
16,630	0	877	0	0	4,370	2,676	9	CALIFORNIA, SAN DIEGO
3,752	0	279	850	0	51,833	1,300	1,319	CASE WESTERN RESERVE
26,337	0	239	0	0	0	4	2	CHICAGO
6,860	0	454	2,931	0	40,089	2,085	1,412	CINCINNATI
52,822	UA/NA	527	3,411	UA/NA	13,474	UA/NA	UA/NA	COLUMBIA
0	0	421	0	0	226	76	1,026	CONNECTICUT
12,900	0	568	0	0	928	29	868	CORNELL
13,059	0	244	0	1	19,591	6,387	1,620	DARTMOUTH
193	UA/NA	26,558	10,356	93	544,036	955	2,474	DUKE
14	0	258	224	UA/NA	UA/NA	UA/NA	2,660	EMORY
0	0	575	0	0	0	337	366	FLORIDA
0	0	192	0	0	0	0	0	FLORIDA STATE
0	0	374	0	0	3,601	1,036	1,166	GEORGE WASHINGTON
UA/NA	UA/NA	54	UA/NA	UA/NA	57	UA/NA	114	GEORGETOWN
2,025	UA/NA	UA/NA	UA/NA	UA/NA	UA/NA	UA/NA	UA/NA	HARVARD
103	0	0	0	0	0	460	812	HOWARD
61,616	0	707	1,302	0	5,921	2,042	4,488	ILLINOIS, CHICAGO
6,856	0	26	0	0	3,543	0	315	INDIANA
31,345	0	655	0	0	429	UA/NA	206	IOWA
9,872	0	493	0	0	380	887	1,252	JOHNS HOPKINS
UA/NA	UA/NA	UA/NA	UA/NA	UA/NA	UA/NA	UA/NA	UA/NA	KANSAS
2	0	11	0	0	31,598	1,267	1,259	KENTUCKY
UA/NA	UA/NA	UA/NA	UA/NA	UA/NA	UA/NA	UA/NA	716	LOUISIANA STATE
0	0	0	0	0	0	0	0	LOUISVILLE
11,170	UA/NA	704	UA/NA	UA/NA	UA/NA	40	6,340	MCGILL
5,241	0	1,310	817	0	10	1,020	1,070	MCMASTER
2,837	0	UA/NA	582	UA/NA	UA/NA	UA/NA	3,599	MIAMI
3,966	0	1,399	3	0	2,947	209	228	MICHIGAN
67,186	19,979	571	80	8	346	68	2,318	MINNESOTA
31,540	0	437	0	0	12,727	997	1,762	MONTREAL
1	0	547	1,827	0	7,439	1,299	2,155	NEW MEXICO
11	0	647	948	0	8,861	588	1,501	NEW YORK
34,962	0	439	0	0	820	3,341	1,041	NORTH CAROLINA

UA/NA - Unavailable or Not Applicable

**ARL HEALTH SCIENCES LIBRARY DATA TABLES 2005-06**

**COLLECTIONS**

(Survey Question #)		Volumes in Library	Volumes Added (Gross)	Volumes Added (Net)	Mono- graphs Purchased	Current Serials Purchased	Current Serials Received	Current Serials Total
	Notes	(1)	(1.b.i)	(1.b)	(2)	(4.a)	(4.b)	(4)
INSTITUTION								
NORTHWESTERN	G	280,370	4,178	3,080	1,057	UA/NA	UA/NA	7,171
OHIO STATE		294,494	4,993	01,059	1,353	3,376	2,752	6,128
OKLAHOMA	G	310,792	4,475	3,711	244	4,543	489	5,032
OKLAHOMA STATE	BG	57,198	483	01,398	473	UA/NA	UA/NA	7,369
PENNSYLVANIA	+	202,068	2,865	2,544	UA/NA	388	0	388
PENNSYLVANIA STATE	G	99,276	2,083	014,287	6,283	9,407	1,592	10,999
PITTSBURGH	BG	478,398	7,276	2,821	4,114	UA/NA	UA/NA	UA/NA
QUEEN'S	B+	147,319	1,962	1,688	1,181	UA/NA	UA/NA	UA/NA
ROCHESTER	BG+	262,448	4,308	3,986	1,257	UA/NA	UA/NA	3,565
SASKATCHEWAN	G+	184,453	3,368	2,466	1,688	605	2,236	2,841
SOUTH CAROLINA	B	119,799	1,163	476	1,064	2,670	28,429	31,099
SOUTHERN CALIFORNIA	G	213,854	5,256	1,071	2,284	3,571	474	4,045
SOUTHERN ILLINOIS		175,685	3,105	3,072	1,240	1,210	0	1,210
SUNY-BUFFALO	G	349,707	2,790	2,019	1,016	1,784	1,403	3,187
SUNY-STONY BROOK	B+	281,592	1,254	1,215	794	2,192	584	2,776
TEMPLE	B+	138,206	3,209	3,145	3,273	5,120	73	5,193
TENNESSEE	G+	218,592	2,577	862	533	2,965	501	3,466
TEXAS TECH	B+	303,721	7,246	6,307	3,341	12,743	1,861	14,604
TULANE	+	156,133	1,760	484	423	1,830	0	1,830
UTAH	BG	196,002	3,363	016,575	1,045	1,675	2,136	3,811
VANDERBILT	G+	203,028	1,285	918	42	3,248	622	3,870
VIRGINIA	+	176,302	1,821	018,994	850	2,167	113	2,280
WASHINGTON	+	381,483	5,897	5,550	1,082	UA/NA	UA/NA	UA/NA
WASHINGTON U.-ST. LOUIS	G+	299,254	2,729	2,662	1,370	2,902	542	3,444
WISCONSIN	G	315,610	1,858	988	1,014	2,373	298	2,671
YALE	G+	455,287	4,975	4,495	5,599	UA/NA	UA/NA	8,109

**SUMMARY DATA**

High	797,127	26,218	26,218	6,492	12,743	28,429	31,099
Mean	281,692	4,647	1,136	1,691	3,271	1,317	4,492
Median	245,212	3,939	2,448	1,202	2,685	461	3,518
Low	8,458	49	-39,390	42	228	2	295
Totals	18,309,988	302,083	73,816	104,852	183,180	60,580	278,524
Number of Libraries	65	65	65	62	56	46	62

+ - See Footnotes  
 UA/NA - Unavailable or Not Applicable

G - Government documents not included in serials count  
 B - Includes branch campuses

**ARL HEALTH SCIENCES LIBRARY DATA TABLES 2005-06**

**COLLECTIONS**

Microform Units	Government Documents	Computer Files	Archives and Manus.	Carto- graphic Materials	Graphic Materials	Audio Materials	Video and Film	(Survey Question #) INSTITUTION
(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	
UA/NA	0	675	0	0	UA/NA	474	1,130	NORTHWESTERN
108	0	715	950	1,687	8,526	133	775	OHIO STATE
650	0	93	5,162	0	0	0	6,102	OKLAHOMA
44,260	1,028	313	237	52	117,431	722	923	OKLAHOMA STATE
UA/NA	UA/NA	UA/NA	UA/NA	UA/NA	UA/NA	UA/NA	UA/NA	PENNSYLVANIA
0	0	205	81	0	743	76	416	PENNSYLVANIA STATE
68,530	0	2,629	71	1	1	1,971	3,848	PITTSBURGH
UA/NA	UA/NA	UA/NA	UA/NA	UA/NA	UA/NA	UA/NA	UA/NA	QUEEN'S
0	0	74	1,146	0	5,000	65	77	ROCHESTER
2,290	0	385	0	0	10,986	168	33	SASKATCHEWAN
4,991	0	0	0	0	0	100	2,056	SOUTH CAROLINA
8,567	0	741	35	0	15,233	2,316	785	SOUTHERN CALIFORNIA
6,168	1,020	125	410	0	0	2,574	3,411	SOUTHERN ILLINOIS
41,292	UA/NA	640	UA/NA	0	63,415	734	3,649	SUNY-BUFFALO
0	0	1	0	0	0	0	0	SUNY-STONY BROOK
60	0	127	0	0	0	0	1,437	TEMPLE
328	0	140	205	0	0	46	2,499	TENNESSEE
2,550	0	2,576	750	0	786	4,678	6,729	TEXAS TECH
0	0	135	1,350	0	0	0	0	TULANE
15,227	0	1,052	0	0	2,450	36	1,361	UTAH
9,119	0	940	3,933	2	0	2,536	1,312	VANDERBILT
15,335	0	274	989	0	31,172	1,508	2,319	VIRGINIA
85,191	0	2,781	UA/NA	2	478	2,261	452	WASHINGTON
1,776	0	1,290	2,461	0	12	367	824	WASHINGTON U.-ST. LOUIS
5,986	6,268	81	6,406	0	92	1,088	1,230	WISCONSIN
15,651	UA/NA	365	517	0	10,699	1,720	567	YALE

**SUMMARY DATA**

346,717	24,008	26,558	10,356	1,687	544,036	6,387	6,729	High
23,717	9,682	1,071	1,573	293	27,074	1,257	1,657	Mean
6,860	6,028	438	834	8	5,000	921	1,241	Median
1	1,020	1	3	1	1	4	2	Low
1,162,132	58,091	59,967	50,348	3,221	1,164,163	60,320	92,781	Sum
49	6	56	32	11	43	48	56	Number of Libraries

UA/NA - Unavailable or Not Applicable

ARL HEALTH SCIENCES LIBRARY DATA TABLES 2005-06

EXPENDITURES

(Survey Question #)		Monographs	Current Serials	Other Library Materials	Misc. Materials	Total Library Materials	Contract Binding
INSTITUTION	Notes	(15a)	(15b)	(15c)	(15d)	(15)	(16)
ALABAMA	BG+	7,441	80,435	18,455	1,428	107,759	2,808
ARIZONA	BG+	41,778	1,107,188	83,919	3,592	1,236,477	10,167
BOSTON	G	31,199	1,054,380	0	0	1,085,579	14,389
CALIFORNIA, DAVIS	G+	253,931	950,481	205,119	18,537	1,428,068	14,633
CALIFORNIA, IRVINE	BG+	225,954	647,144	64,669	UA/NA	937,767	8,311
CALIFORNIA, LOS ANGELES		652,937	1,934,264	0	UA/NA	2,587,201	74,166
CALIFORNIA, SAN DIEGO	+	230,936	1,667,963	5,571	0	1,904,470	37,429
CASE WESTERN RESERVE	G+	23,914	1,256,506	0	48,778	1,329,198	24,364
CHICAGO	G+	290,567	4,596,731	0	0	4,887,298	46,500
CINCINNATI	G	172,018	1,517,766	275,523	36	1,965,343	21,599
COLUMBIA	+	185,658	1,969,818	6,216	71,000	2,232,692	37,983
CONNECTICUT	G	98,200	680,420	53,560	0	832,180	12,000
CORNELL	+	195,362	1,433,525	2,388	3,833	1,635,108	29,286
DARTMOUTH	G+	73,427	886,432	3,790	0	963,649	20,011
DUKE	B+	69,342	1,208,395	37,210	237,264	1,552,211	7,103
EMORY	+	125,742	1,660,540	166,146	0	1,952,428	32,042
FLORIDA	+	131,644	1,942,274	110,327	3,359	2,187,604	30,736
FLORIDA STATE	B+	135,776	314,965	33,360	44,546	528,647	0
GEORGE WASHINGTON	B+	179,766	1,239,338	25,498	169,693	1,614,295	22,000
GEORGETOWN	BG+	4,379	1,071,898	UA/NA	230,802	1,307,079	4,872
HARVARD	G+	50,663	984,044	1,547,102	0	2,581,809	62,228
HOWARD	B+	27,176	437,111	25,000	0	489,287	25,000
ILLINOIS, CHICAGO	G+	236,929	2,025,989	1,774	UA/NA	2,264,692	32,106
INDIANA	+	68,716	976,498	1,051,017	0	2,096,231	32,553
IOWA	+	120,488	1,494,354	257,500	51,897	1,924,239	UA/NA
JOHNS HOPKINS	G	164,261	1,707,535	428,455	194,739	2,494,990	17,540
KANSAS	+	172,490	893,109	30,552	0	1,096,151	6,930
KENTUCKY	G	126,300	1,509,926	4,868	254	1,641,348	16,906
LOUISIANA STATE	+	14,956	374,197	0	0	389,153	6,235
LOUISVILLE	G	38,863	1,589,101	3,525	0	1,631,489	29,886
MCGILL	G	317,897	1,044,662	161,050	UA/NA	1,523,609	45,543
MCMASTER	G+	172,690	1,001,691	274,228	38,998	1,487,608	12,804
MIAMI	G+	166,841	1,539,748	0	0	1,706,589	28,382
MICHIGAN	BG	250,512	1,372,013	300,907	0	1,923,432	0
MINNESOTA	BG+	670,400	2,102,340	327,122	27,250	3,127,112	67,679
MONTREAL	G+	187,060	1,761,478	0	0	1,948,538	25,368
NEW MEXICO	+	55,545	773,272	2,533	103,697	935,047	4,017
NEW YORK	G+	211,219	2,327,705	77,540	800	2,617,264	33,509
NORTH CAROLINA	G	621,003	2,499,999	9,035	0	3,130,037	3,370

+ - See Footnotes  
 UA/NA - Unavailable or Not Applicable

G - Government documents not included in serials count  
 B - Includes branch campuses

**ARL HEALTH SCIENCES LIBRARY DATA TABLES 2005-06**

**EXPENDITURES**

Salaries & Wages: Professional	Salaries & Wages: Support	Salaries & Wages: Student Asst.	Total Salaries & Wages	Other Operating Expenditures	Total Library Expenditures	(Survey Question #) INSTITUTION
(17a)	(17b)	(17c)	(17)	(19)	(20)	
84,635	61,094	0	145,729	19,962	276,258	ALABAMA
1,006,755	891,219	70,011	1,967,985	614,635	3,829,264	ARIZONA
599,989	338,309	67,420	1,005,718	390,122	2,495,808	BOSTON
673,825	574,162	107,543	1,355,530	77,141	2,875,372	CALIFORNIA, DAVIS
455,997	509,142	74,481	1,039,620	155,752	2,141,450	CALIFORNIA, IRVINE
1,167,712	758,949	289,673	2,216,334	910,508	5,788,209	CALIFORNIA, LOS ANGELES
627,173	704,646	82,534	1,414,353	271,458	3,627,710	CALIFORNIA, SAN DIEGO
625,147	330,222	135,570	1,090,939	855,806	3,300,307	CASE WESTERN RESERVE
329,669	512,817	73,259	915,745	91,800	5,941,343	CHICAGO
2,621,385	259,260	125,594	3,006,239	823,995	5,817,176	CINCINNATI
894,010	396,717	5,673	1,296,400	118,016	3,685,091	COLUMBIA
950,944	706,948	72,901	1,730,793	72,170	2,647,143	CONNECTICUT
680,025	1,062,360	0	1,742,385	514,863	3,921,642	CORNELL
598,198	441,306	21,814	1,061,318	271,612	2,316,590	DARTMOUTH
1,115,831	619,883	UA/NA	1,735,714	400,123	3,695,151	DUKE
699,436	785,740	20,552	1,505,728	518,490	4,008,688	EMORY
961,461	842,715	46,114	1,850,290	241,999	4,310,629	FLORIDA
213,679	47,273	27,283	288,235	38,601	855,483	FLORIDA STATE
972,418	570,759	108,649	1,651,826	226,731	3,514,852	GEORGE WASHINGTON
478,395	307,927	58,056	844,378	222,980	2,379,309	GEORGETOWN
1,649,226	828,254	1,209	2,478,689	1,294,899	6,417,625	HARVARD
575,257	376,557	57,490	1,009,304	40,000	1,563,591	HOWARD
UA/NA	UA/NA	UA/NA	UA/NA	UA/NA	2,296,798	ILLINOIS, CHICAGO
775,811	677,622	31,207	1,484,640	165,270	3,778,694	INDIANA
552,146	549,127	184,720	1,285,993	169,637	3,379,869	IOWA
1,404,340	1,189,038	0	2,593,378	1,276,900	6,382,808	JOHNS HOPKINS
491,524	563,944	48,950	1,104,418	324,546	2,532,045	KANSAS
823,885	274,962	92,693	1,191,540	132,062	2,981,856	KENTUCKY
41,000	83,635	2,245	126,880	11,207	533,475	LOUISIANA STATE
417,875	388,105	54,072	860,052	356,388	2,877,815	LOUISVILLE
531,047	480,817	87,698	1,099,561	89,101	2,757,815	MCGILL
457,924	568,749	72,971	1,099,644	156,283	2,756,339	MCMASTER
1,272,867	443,753	0	1,716,620	551,979	4,003,570	MIAMI
693,190	670,816	185,485	1,549,491	14,476	3,487,399	MICHIGAN
714,687	1,021,651	326,982	2,063,320	988,115	6,246,226	MINNESOTA
582,178	1,002,460	0	1,584,638	16,309	3,574,853	MONTREAL
1,427,391	1,619,437	43,122	3,089,950	1,056,342	5,085,356	NEW MEXICO
1,643,680	849,790	112,896	2,606,366	557,779	5,814,918	NEW YORK
1,744,434	1,059,479	222,186	3,026,099	532,325	6,691,831	NORTH CAROLINA

UA/NA - Unavailable or Not Applicable

**ARL HEALTH SCIENCES LIBRARY DATA TABLES 2005-06**

**EXPENDITURES**

(Survey Question #)		Monographs	Current Serials	Other Library Materials	Misc. Materials	Total Library Materials	Contract Binding
INSTITUTION	Notes	(15a)	(15b)	(15c)	(15d)	(15)	(16)
NORTHWESTERN	G	91,966	1,609,860	126,620	7,200	1,835,646	30,169
OHIO STATE		102,623	1,500,171	12,169	3,185	1,618,148	17,464
OKLAHOMA	G	54,681	1,333,148	246,585	0	1,634,414	32,056
OKLAHOMA STATE	BG	59,708	185,705	66,981	UA/NA	312,394	3,155
PENNSYLVANIA	+	179,657	1,670,336	UA/NA	UA/NA	1,849,993	14,875
PENNSYLVANIA STATE	G	46,487	1,184,808	0	77,006	1,308,301	12,667
PITTSBURGH	BG	481,496	1,993,965	1,067,750	0	3,543,211	21,264
QUEEN'S	B+	137,601	1,301,630	3,061	UA/NA	1,442,292	8,221
ROCHESTER	BG+	87,072	1,329,501	294,332	0	1,710,905	33,362
SASKATCHEWAN	G+	187,451	1,105,222	UA/NA	UA/NA	1,292,673	10,375
SOUTH CAROLINA	B	39,820	485,020	65,263	0	590,103	0
SOUTHERN CALIFORNIA	G	276,372	1,963,181	33,107	115,109	2,387,769	57,433
SOUTHERN ILLINOIS		69,355	699,345	5,290	35,068	809,058	13,704
SUNY-BUFFALO	G	210,035	642,072	25,587	0	877,694	9,979
SUNY-STONY BROOK	B+	16,726	1,113,198	113,494	7,999	1,251,417	0
TEMPLE	B+	222,838	1,360,020	149,948	1,073	1,733,879	18,978
TENNESSEE	G+	41,984	1,439,190	538,919	497	2,020,590	15,897
TEXAS TECH	B+	249,403	1,618,492	36,384	220,861	2,125,140	21,106
TULANE	+	90,005	913,769	0	0	1,003,774	3,210
UTAH	BG	105,123	1,096,903	65,887	8,052	1,275,965	20,973
VANDERBILT	G+	212,411	2,044,555	231,944	0	2,488,910	19,986
VIRGINIA	+	102,937	1,566,955	108,242	8,355	1,786,489	2,071
WASHINGTON	+	89,064	1,985,821	16,541	2,550	2,093,976	23,623
WASHINGTON U.-ST. LOUIS	G+	149,695	2,420,925	9,942	57,597	2,638,159	31,631
WISCONSIN	G	73,234	1,338,851	1,202	272,161	1,685,448	61,879
YALE	G+	527,477	1,839,912	113,046	0	2,480,435	29,375

**SUMMARY DATA**

High	670,400	4,596,731	1,547,102	272,161	4,887,298	74,166
Mean	164,757	1,375,043	168,420	62,643	1,708,930	23,565
Median	131,644	1,338,851	65,263	27,250	1,641,348	21,040
Low	4,379	80,435	1,202	36	107,759	2,071
Totals	10,709,201	89,377,790	8,926,254	2,067,216	111,080,461	1,413,908
Number of Libraries	65	65	53	33	65	60

+ - See Footnotes  
 UA/NA - Unavailable or Not Applicable

G - Government documents not included in serials count  
 B - Includes branch campuses

**ARL HEALTH SCIENCES LIBRARY DATA TABLES 2005-06**

**EXPENDITURES**

Salaries & Wages: Professional	Salaries & Wages: Support	Salaries & Wages: Student Asst.	Total Salaries & Wages	Other Operating Expenditures	Total Library Expenditures	(Survey Question #) INSTITUTION
(17a)	(17b)	(17c)	(17)	(19)	(20)	
763,339	496,588	15,896	1,275,823	142,630	3,284,268	NORTHWESTERN
1,057,664	588,661	94,734	1,741,059	308,493	3,685,164	OHIO STATE
300,172	592,375	55,925	948,472	496,225	3,111,167	OKLAHOMA
153,612	189,879	0	343,491	128,876	787,916	OKLAHOMA STATE
706,527	640,897	135,292	1,482,716	395,788	3,743,372	PENNSYLVANIA
261,821	343,625	10,130	615,576	87,582	2,024,126	PENNSYLVANIA STATE
1,517,515	1,047,995	74,324	2,639,834	604,765	6,809,074	PITTSBURGH
285,011	358,853	35,609	679,474	178,355	2,308,341	QUEEN'S
1,222,541	219,470	41,224	1,483,235	290,606	3,518,108	ROCHESTER
272,144	222,478	45,487	540,110	UA/NA	1,843,158	SASKATCHEWAN
363,691	233,818	18,596	616,105	115,831	1,322,039	SOUTH CAROLINA
1,050,357	845,875	142,239	2,038,471	872,531	5,356,204	SOUTHERN CALIFORNIA
375,463	447,084	14,271	836,818	58,919	1,718,499	SOUTHERN ILLINOIS
923,226	273,603	120,237	1,317,066	154,702	2,359,441	SUNY-BUFFALO
1,386,802	212,449	96,406	1,695,657	405,272	3,352,346	SUNY-STONY BROOK
606,679	348,872	42,585	998,136	67,242	2,818,235	TEMPLE
963,577	409,323	8,361	1,381,261	264,406	3,682,154	TENNESSEE
1,054,971	574,382	178,011	1,807,364	327,426	4,281,036	TEXAS TECH
363,700	221,900	3,406	589,006	169,747	1,765,737	TULANE
899,841	725,679	154,997	1,780,517	1,627,035	4,704,490	UTAH
1,414,525	500,511	20,081	1,935,117	808,704	5,252,717	VANDERBILT
1,208,087	1,105,974	23,576	2,337,637	347,278	4,473,475	VIRGINIA
1,589,990	678,180	213,213	2,481,383	1,998,154	6,597,136	WASHINGTON
4,348,789	1,556,584	134,613	6,039,986	3,542,831	12,252,607	WASHINGTON U.-ST. LOUIS
1,107,319	567,432	125,529	1,800,280	192,588	3,740,195	WISCONSIN
1,155,718	537,376	49,080	1,742,174	311,570	4,563,554	YALE

**SUMMARY DATA**

4,348,789	1,619,437	326,982	6,039,986	3,542,831	12,252,607	High
889,191	582,961	83,594	1,546,603	451,872	3,691,460	Mean
739,013	556,536	70,011	1,482,976	271,612	3,518,108	Median
41,000	47,273	1,209	126,880	11,207	276,258	Low
56,908,227	37,309,508	4,764,874	98,982,610	28,467,938	239,944,918	Sum
64	64	57	64	63	65	Number of Libraries

UA/NA - Unavailable or Not Applicable

**ARL HEALTH SCIENCES LIBRARY DATA TABLES, 2005-06**

**EXPENDITURES FOR ELECTRONIC RESOURCES**

(Survey Question #)		Computer Files	Electronic Serials	Total E-Materials	Total Materials	E-Materials As % Of Lib. Materials
	Notes	(21)	(22)	(21 + 22)	(15)	
INSTITUTION						
ALABAMA	BG+	0	18,455	18,455	107,759	17.13
ARIZONA	BG+	83,919	739,677	823,596	1,236,477	66.61
BOSTON	G	0	182,338	182,338	1,085,579	16.80
CALIFORNIA, DAVIS	G+	198,615	673,703	872,318	1,428,068	61.08
CALIFORNIA, IRVINE	BG+	49,721	359,621	409,342	937,767	43.65
CALIFORNIA, LOS ANGELES		UA/NA	UA/NA	UA/NA	2,587,201	UA/NA
CALIFORNIA, SAN DIEGO	+	0	1,346,403	1,346,403	1,904,470	70.70
CASE WESTERN RESERVE	G+	0	831,003	831,003	1,329,198	62.52
CHICAGO	G+	0	3,124,722	3,124,722	4,887,298	63.94
CINCINNATI	G	55,860	729,671	785,531	1,965,343	39.97
COLUMBIA	+		1,087,271	1,087,270	2,232,692	48.70
CONNECTICUT	G	UA/NA	UA/NA	UA/NA	832,180	UA/NA
CORNELL	+	UA/NA	UA/NA	UA/NA	1,635,108	UA/NA
DARTMOUTH	G+	12,253	673,596	685,849	963,649	71.17
DUKE	B+	UA/NA	1,092,427	1,092,426	1,552,211	70.38
EMORY	+	0	270,075	270,075	1,952,428	13.83
FLORIDA	+	26,000	1,289,056	1,315,056	2,187,604	60.11
FLORIDA STATE	B+	3,000	293,965	296,965	528,647	56.17
GEORGE WASHINGTON	B+	62,571	619,451	682,022	1,614,295	42.25
GEORGETOWN	BG+	30,931	1,090,266	1,121,197	1,307,079	85.78
HARVARD	G+	1,547,102	UA/NA	1,547,101	2,581,809	59.92
HOWARD	B+	0	UA/NA	UA/NA	489,287	UA/NA
ILLINOIS, CHICAGO	G+	6,441	705,036	711,477	2,264,692	31.42
INDIANA	+	48,434	704,184	752,618	2,096,231	35.90
IOWA	+	1,841	1,322,282	1,324,123	1,924,239	68.81
JOHNS HOPKINS	G	0	1,521,091	1,521,091	2,494,990	60.97
KANSAS	+	0	25,668	25,668	1,096,151	2.34
KENTUCKY	G	0	216,730	216,730	1,641,348	13.20
LOUISIANA STATE	+	UA/NA	UA/NA	UA/NA	389,153	UA/NA
LOUISVILLE	G	0	152,735	152,735	1,631,489	9.36
MCGILL	G	19,888	585,915	605,804	1,523,609	39.76
MCMASTER	G+	340,349	834,707	1,175,056	1,487,608	78.99
MIAMI	G+	0	1,038,633	1,038,633	1,706,589	60.86
MICHIGAN	BG	0	398,606	398,606	1,923,432	20.72
MINNESOTA	BG+	106,194	914,697	1,020,891	3,127,112	32.65
MONTREAL	G+	UA/NA	609,042	609,041	1,948,538	31.26
NEW MEXICO	+	122,971	744,433	867,404	935,047	92.77
NEW YORK	G+	69,390	1,457,855	1,527,245	2,617,264	58.35
NORTH CAROLINA	G	373,097	1,276,120	1,649,217	3,130,037	52.69

+ - See Footnotes  
 UA/NA - Unavailable or Not Applicable

G - Government documents not included in serials count  
 B - Includes branch campuses



**ARL HEALTH SCIENCES LIBRARY DATA TABLES, 2005-06**

**EXPENDITURES FOR ELECTRONIC RESOURCES**

<b>Bibl. Utilities, Networks, and Consortia</b>		Hardware And Software	Document Delivery/ Interlibrary Loan	(Survey Question #) INSTITUTION
Library	External			
(23a)	(23b)	(24)	(25)	
441	0	336	588	ALABAMA
UA/NA	UA/NA	78,395	34,668	ARIZONA
30,000	0	209,807	32,587	BOSTON
12,769	UA/NA	8,205	45,578	CALIFORNIA, DAVIS
14,234	100,490	51,058	8,612	CALIFORNIA, IRVINE
UA/NA	UA/NA	UA/NA	UA/NA	CALIFORNIA, LOS ANGELES
UA/NA	193,685	49,855	124,710	CALIFORNIA, SAN DIEGO
1,094	0	23,725	14,110	CASE WESTERN RESERVE
UA/NA	UA/NA	125,000	9,800	CHICAGO
11,370	0	400,022	7,733	CINCINNATI
7,197	UA/NA	46,212	7,723	COLUMBIA
10,645	UA/NA	24,030	9,224	CONNECTICUT
17,699	0	33,086	7,173	CORNELL
UA/NA	0	49,792	33,886	DARTMOUTH
79,610	UA/NA	67,898	3,439	DUKE
4,185	0	58,460	18,887	EMORY
5,812	UA/NA	27,884	23,343	FLORIDA
0	0	1,100	4,800	FLORIDA STATE
7,000	37,485	79,888	7,979	GEORGE WASHINGTON
2,235	UA/NA	69,533	1,873	GEORGETOWN
0	UA/NA	101,445	12,644	HARVARD
1	2	39,000	14,654	HOWARD
UA/NA	0	0	UA/NA	ILLINOIS, CHICAGO
0	0	0	8,500	INDIANA
27,005	0	6,590	196,279	IOWA
17,772	479	153,954	79,038	JOHNS HOPKINS
27,060	0	82,933	30,456	KANSAS
0	0	23,986	22,660	KENTUCKY
UA/NA	UA/NA	UA/NA	5,109	LOUISIANA STATE
0	0	26,861	2,385	LOUISVILLE
UA/NA	UA/NA	121	UA/NA	MCGILL
16,828	0	26,469	47,442	MCMASTER
11,970	0	72,800	21,408	MIAMI
0	0	0	2,418	MICHIGAN
0	0	113,013	29,283	MINNESOTA
UA/NA	UA/NA	UA/NA	UA/NA	MONTREAL
16,086	0	278,063	7,579	NEW MEXICO
43,715	3,465	53,352	77,672	NEW YORK
26,836	0	0	168,065	NORTH CAROLINA

UA/NA - Unavailable or Not Applicable

**ARL HEALTH SCIENCES LIBRARY DATA TABLES, 2005-06**

**EXPENDITURES FOR ELECTRONIC RESOURCES**

(Survey Question #)		Computer Files	Electronic Serials	Total E-Materials	Total Materials	E-Materials As % Of Lib. Materials
		(21)	(22)	(21 + 22)	(15)	
INSTITUTION	Notes					
NORTHWESTERN	G	333,111	1,322,918	1,656,029	1,835,646	90.22
OHIO STATE		0	1,173,322	1,173,322	1,618,148	72.51
OKLAHOMA	G	55,879	184,456	240,335	1,634,414	14.70
OKLAHOMA STATE	BG	9,095	70,365	79,460	312,394	25.44
PENNSYLVANIA	+	65,339	1,493,891	1,559,230	1,849,993	84.28
PENNSYLVANIA STATE	G	0	788,525	788,525	1,308,301	60.27
PITTSBURGH	BG	10,447	1,523,623	1,534,070	3,543,211	43.30
QUEEN'S	B+	UA/NA	1,131,290	1,131,289	1,442,292	78.44
ROCHESTER	BG+	0	644,347	644,347	1,710,905	37.66
SASKATCHEWAN	G+	UA/NA	UA/NA	UA/NA	1,292,673	UA/NA
SOUTH CAROLINA	B	0	550,283	550,283	590,103	93.25
SOUTHERN CALIFORNIA	G	15,386	849,326	864,712	2,387,769	36.21
SOUTHERN ILLINOIS		0	33,943	33,943	809,058	4.20
SUNY-BUFFALO	G	18,508	360,668	379,176	877,694	43.20
SUNY-STONY BROOK	B+	468	1,010,549	1,011,017	1,251,417	80.79
TEMPLE	B+	29,494	939,705	969,199	1,733,879	55.90
TENNESSEE	G+	0	201,085	201,085	2,020,590	9.95
TEXAS TECH	B+	13,185	370,854	384,039	2,125,140	18.07
TULANE	+	23,616	885,792	909,408	1,003,774	90.60
UTAH	BG	23,262	295,208	318,470	1,275,965	24.96
VANDERBILT	G+	425,424	2,015,324	2,440,748	2,488,910	98.06
VIRGINIA	+	10,150	784,616	794,766	1,786,489	44.49
WASHINGTON	+	UA/NA	UA/NA	UA/NA	2,093,976	UA/NA
WASHINGTON U.-ST. LOUIS	G+	9,942	1,957,785	1,967,727	2,638,159	74.59
WISCONSIN	G	6,200	142,520	148,720	1,685,448	8.82
YALE	G+	302,176	1,519,385	1,821,561	2,480,435	73.44

**SUMMARY DATA**

High	1,547,102	3,124,722	3,124,722	4,887,298	98.06
Mean	125,285	827,706	891,198	1,708,930	50.07
Median	30,213	744,433	827,300	1,641,348	54.29
Low	468	18,455	18,455	107,759	2.34
Totals	4,510,259	47,179,215	51,689,469	111,080,461	
Number of Libraries	36	57	58	65	58

+ - See Footnotes  
 UA/NA - Unavailable or Not Applicable

G - Government documents not included in serials count  
 B - Includes branch campuses

**ARL HEALTH SCIENCES LIBRARY DATA TABLES, 2005-06**

**EXPENDITURES FOR ELECTRONIC RESOURCES**

<b>Bibl. Utilities, Networks, and Consortia</b>		Hardware And Software	Document Delivery/ Interlibrary Loan	(Survey Question #) INSTITUTION
Library	External			
(23a)	(23b)	(24)	(25)	
12,010	UA/NA	72,843	7,009	NORTHWESTERN
11,002	6,265	0	34,430	OHIO STATE
12,232	62,382	69,789	35,320	OKLAHOMA
2,450	UA/NA	8,332	4,540	OKLAHOMA STATE
14,240	UA/NA	4,121	83,418	PENNSYLVANIA
0	0	0	10,437	PENNSYLVANIA STATE
0	0	131,265	3,506	PITTSBURGH
UA/NA	UA/NA	UA/NA	UA/NA	QUEEN'S
4,669	UA/NA	66,534	45,877	ROCHESTER
UA/NA	UA/NA	UA/NA	UA/NA	SASKATCHEWAN
1,650	0	13,082	7,225	SOUTH CAROLINA
7,090	0	249,705	18,601	SOUTHERN CALIFORNIA
5,643	0	3,371	2,879	SOUTHERN ILLINOIS
UA/NA	UA/NA	UA/NA	UA/NA	SUNY-BUFFALO
0	344,319	243,374	11,238	SUNY-STONY BROOK
0	0	7,820	3,096	TEMPLE
15,881	1,579	77,526	13,770	TENNESSEE
47,956	0	61,263	12,519	TEXAS TECH
9,762	0	6,994	75	TULANE
0	15,830	156,069	2,455	UTAH
10,900	UA/NA	118,910	51,529	VANDERBILT
4,307	0	122,243	27,254	VIRGINIA
UA/NA	UA/NA	176,938	244,952	WASHINGTON
0	9,560	1,418,028	6,502	WASHINGTON U.-ST. LOUIS
UA/NA	UA/NA	17,316	95,633	WISCONSIN
0	4,862	19,141	12,056	YALE

**SUMMARY DATA**

79,610	344,319	1,418,028	244,952	High
14,902	60,031	102,406	32,011	Mean
11,370	9,560	58,460	12,582	Median
1	2	121	75	Low
551,356	780,403	5,427,537	1,856,626	Sum
37	13	53	58	Number of Libraries

UA/NA - Unavailable or Not Applicable

**ARL HEALTH SCIENCES LIBRARY DATA TABLES, 2005-06**

**PERSONNEL AND PUBLIC SERVICES**

(Survey Question #)		Professional Staff (FTE)	Support Staff (FTE)	Student Assistants (FTE)	Total Staff (FTE)	Staffed Service Points	Service Hours Per Week
(26a)	(26b)	(26c)	(26)	(27)	(28)		
INSTITUTION	Notes						
ALABAMA	BG+	2	3	0	5	2	70
ARIZONA	BG+	16	30	10	56	4	168
BOSTON	G	12	8	5	25	3	107
CALIFORNIA, DAVIS	G+	11	19	7	37	3	84
CALIFORNIA, IRVINE	BG+	8	15	6	29	7	128
CALIFORNIA, LOS ANGELES		19	22	17	58	1	97
CALIFORNIA, SAN DIEGO	+	9	17	5	31	2	99
CASE WESTERN RESERVE	G+	10	10	8	28	2	91
CHICAGO	G+	6	17	7	30	2	82
CINCINNATI	G	36	9	8	53	5	105
COLUMBIA	+	16	13	0	29	4	95
CONNECTICUT	G	13	11	4	28	3	94
CORNELL	+	9	25	0	34	2	108
DARTMOUTH	G+	9	15	3	27	4	115
DUKE	B+	23	17	0	40	3	86
EMORY	+	12	23	2	37	6	91
FLORIDA	+	19	25	7	51	3	98
FLORIDA STATE	B+	4	2	1	7	1	UA/NA
GEORGE WASHINGTON	B+	16	17	8	41	3	113
GEORGETOWN	BG+	8	8	4	20	1	60
HARVARD	G+	25	27	1	53	UA/NA	UA/NA
HOWARD	B+	7	14	8	29	3	112
ILLINOIS, CHICAGO	G+	22	38	8	68	5	92
INDIANA	+	11	15	6	32	3	40
IOWA	+	11	11	17	39	4	96
JOHNS HOPKINS	G	33	37	0	70	5	80
KANSAS	+	9	20	2	31	1	101
KENTUCKY	G	16	11	7	34	3	140
LOUISIANA STATE	+	2	6	2	10	1	88
LOUISVILLE	G	8	15	4	27	4	89
MCGILL	G	7	16	2	25	3	72
MCMASTER	G+	8	18	5	31	2	100
MIAMI	G+	23	17	0	40	6	103
MICHIGAN	BG	12	21	13	46	3	97
MINNESOTA	BG+	13	30	18	61	7	96
MONTREAL	G+	10	27	0	37	9	93
NEW MEXICO	+	29	46	6	81	2	95
NEW YORK	G+	24	26	7	57	11	93
NORTH CAROLINA	G	30	32	9	71	1	89

+ - See Footnotes  
 UA/NA - Unavailable or Not Applicable

G - Government documents not included in serials count  
 B - Includes branch campuses

**ARL HEALTH SCIENCES LIBRARY DATA TABLES, 2005-06**

**PERSONNEL AND PUBLIC SERVICES**

<b>Presentations</b>		Reference Transactions*	Initial Circulation	Total Circulation	<b>ILL/DD</b>		(Survey Question #) INSTITUTION
Groups*	Participants*				Loaned	Borrowed	
(29)	(30)	(31)	(32)	(33)	(34)	(35)	
7	127	2,393	829	1,111	469	159	ALABAMA
312	3,876	12,538	12,809	14,537	22,212	3,763	ARIZONA
182	2,232	16,309	4,741	5,867	10,627	5,919	BOSTON
77	1,570	12,884	21,092	24,867	12,961	5,171	CALIFORNIA, DAVIS
70	2,060	8,124	21,143	47,209	3,420	3,514	CALIFORNIA, IRVINE
128	2,814	11,837	32,721	123,755	UA/NA	UA/NA	CALIFORNIA, LOS ANGELES
240	2,527	17,935	20,103	32,760	7,299	6,836	CALIFORNIA, SAN DIEGO
46	1,368	UA/NA	8,902	13,775	20,330	5,114	CASE WESTERN RESERVE
68	512	4,460	18,880	24,471	7,557	3,891	CHICAGO
1,049	4,167	15,184	9,729	14,392	12,045	5,467	CINCINNATI
62	3,993	19,420	21,373	23,084	12,754	3,258	COLUMBIA
389	4,786	8,760	9,530	12,839	12,617	1,350	CONNECTICUT
91	565	40,780	11,826	17,471	3,932	5,753	CORNELL
146	2,340	UA/NA	18,631	24,020	4,206	9,769	DARTMOUTH
389	3,229	10,357	15,286	22,227	13,200	1,450	DUKE
145	2,783	32,818	6,210	6,999	16,917	5,629	EMORY
228	4,072	25,397	33,087	53,433	10,799	3,118	FLORIDA
24	419	818	896	1,348	13	757	FLORIDA STATE
345	8,297	14,558	9,983	16,014	2,408	1,221	GEORGE WASHINGTON
116	3,750	9,741	7,163	16,732	1,733	2,647	GEORGETOWN
UA/NA	UA/NA	UA/NA	UA/NA	37,543	9,512	2,030	HARVARD
84	5,548	32,250	18,703	20,361	1,672	1,065	HOWARD
285	2,897	28,099	24,937	139,250	38,702	10,503	ILLINOIS, CHICAGO
307	5,867	22,464	49,775	142,935	24,888	4,834	INDIANA
163	5,128	22,412	UA/NA	38,538	30,189	11,208	IOWA
6	168	21,173	14,958	25,651	16,456	18,488	JOHNS HOPKINS
UA/NA	UA/NA	UA/NA	5,001	UA/NA	12,981	4,401	KANSAS
330	2,769	10,798	15,502	20,802	7,493	5,931	KENTUCKY
6	120	UA/NA	UA/NA	5,746	935	1,289	LOUISIANA STATE
230	3,116	9,502	28,521	87,858	13,888	18,717	LOUISVILLE
233	3,625	16,336	21,568	32,378	4,425	2,822	MCGILL
193	3,196	13,285	20,799	38,487	8,238	6,574	MCMASTER
615	2,145	32,500	6,827	10,523	17,833	1,336	MIAMI
278	4,289	20,645	62,303	78,153	20,968	6,218	MICHIGAN
265	4,875	36,096	27,339	37,667	55,620	4,751	MINNESOTA
284	3,022	13,452	27,434	49,755	10,137	2,065	MONTREAL
457	4,332	8,530	9,483	10,006	2,780	1,932	NEW MEXICO
380	4,909	30,530	11,706	17,622	8,149	9,150	NEW YORK
225	5,456	18,836	114,964	121,060	23,538	2,367	NORTH CAROLINA

UA/NA - Unavailable or Not Applicable

\* Figures in italics are derived from a sampling method rather than an actual annual count.

**ARL HEALTH SCIENCES LIBRARY DATA TABLES, 2005-06**

**PERSONNEL AND PUBLIC SERVICES**

(Survey Question #)		Professional Staff (FTE)	Support Staff (FTE)	Student Assistants (FTE)	Total Staff (FTE)	Staffed Service Points	Service Hours Per Week
		(26a)	(26b)	(26c)	(26)	(27)	(28)
INSTITUTION	Notes						
NORTHWESTERN	G	16	13	1	30	2	52
OHIO STATE		17	21	8	46	5	99
OKLAHOMA	G	12	22	8	42	2	109
OKLAHOMA STATE	BG	3	6	3	12	2	109
PENNSYLVANIA	+	12	14	12	38	2	100
PENNSYLVANIA STATE	G	5	10	3	18	3	106
PITTSBURGH	BG	29	39	7	75	9	110
QUEEN'S	B+	8	11	2	21	2	97
ROCHESTER	BG+	21	9	3	33	4	101
SASKATCHEWAN	G+	5	8	2	15	2	85
SOUTH CAROLINA	B	8	8	4	20	2	88
SOUTHERN CALIFORNIA	G	15	22	10	47	5	99
SOUTHERN ILLINOIS		7	15	1	23	2	90
SUNY-BUFFALO	G	17	11	9	37	4	104
SUNY-STONY BROOK	B+	23	7	7	37	3	100
TEMPLE	B+	11	11	6	28	5	108
TENNESSEE	G+	18	19	2	39	73	136
TEXAS TECH	B+	21	24	16	61	13	105
TULANE	+	6	8	1	15	2	90
UTAH	BG	14	25	14	53	3	127
VANDERBILT	G+	21	22	1	44	2	113
VIRGINIA	+	15	27	1	43	5	96
WASHINGTON	+	25	26	12	63	5	82
WASHINGTON U.-ST. LOUIS	G+	48	34	8	90	4	102
WISCONSIN	G	19	16	8	43	1	97
YALE	G+	20	16	7	43	2	105

**SUMMARY DATA**

High	48	46	18	90	73	168
Mean	15	18	6	39	5	98
Median	13	17	7	37	3	97
Low	2	2	1	5	1	40
Totals	974	1,177	373	2,524	298	
Number of Libraries	65	65	58	65	64	63

+ - See Footnotes  
 UA/NA - Unavailable or Not Applicable

G - Government documents not included in serials count  
 B - Includes branch campuses

**ARL HEALTH SCIENCES LIBRARY DATA TABLES, 2005-06**

**PERSONNEL AND PUBLIC SERVICES**

<b>Presentations</b>		Reference Transactions*	Initial Circulation	Total Circulation	<b>ILL/DD</b>		(Survey Question #) INSTITUTION
Groups*	Participants*				Loaned	Borrowed	
(29)	(30)	(31)	(32)	(33)	(34)	(35)	
216	2,082	6,298	11,697	17,782	17,033	9,017	NORTHWESTERN
189	4,154	15,087	14,624	16,802	21,266	8,925	OHIO STATE
47	1,242	17,411	13,233	15,201	9,181	5,364	OKLAHOMA
202	591	1,583	9,844	11,107	2,357	1,461	OKLAHOMA STATE
163	2,519	UA/NA	8,617	22,251	7,939	20,329	PENNSYLVANIA
75	428	9,724	17,586	18,418	3,554	1,137	PENNSYLVANIA STATE
1,052	9,505	51,475	32,209	38,525	43,100	4,810	PITTSBURGH
303	3,077	6,350	10,821	12,005	5,961	3,963	QUEEN'S
285	2,279	6,019	5,861	7,745	4,951	5,487	ROCHESTER
205	1,988	6,462	24,155	31,508	5,594	6,880	SASKATCHEWAN
60	712	2,770	2,262	4,519	2,755	1,850	SOUTH CAROLINA
177	2,258	7,039	27,453	35,480	14,641	1,767	SOUTHERN CALIFORNIA
111	535	4,056	35,748	42,056	8,796	2,143	SOUTHERN ILLINOIS
114	2,859	18,835	49,230	58,567	15,131	1,674	SUNY-BUFFALO
252	2,750	15,969	7,781	10,026	11,786	2,041	SUNY-STONY BROOK
45	826	3,181	3,312	4,816	1,989	1,300	TEMPLE
262	3,061	23,196	3,524	5,273	2,825	4,198	TENNESSEE
556	3,440	26,090	33,360	103,375	6,463	4,574	TEXAS TECH
22	480	2,309	2,887	3,322	1,915	1,433	TULANE
423	3,294	62,992	15,737	18,232	16,108	4,893	UTAH
252	5,709	4,093	13,252	14,391	9,388	4,324	VANDERBILT
419	2,381	16,594	12,055	18,721	9,246	2,872	VIRGINIA
309	3,468	23,489	28,975	60,201	22,469	4,882	WASHINGTON
429	2,028	39,984	19,924	28,553	25,297	4,440	WASHINGTON U.-ST. LOUIS
438	3,977	UA/NA	13,335	22,388	18,752	16,856	WISCONSIN
537	2,628	13,548	UA/NA	23,899	8,872	6,581	YALE

**SUMMARY DATA**

1,052	9,505	62,992	114,964	142,935	55,620	20,329	High
248	2,940	16,996	19,053	32,131	12,207	5,057	Mean
225	2,814	14,823	14,958	21,515	9,450	4,363	Median
6	120	818	829	1,111	13	159	Low
15,598	185,220	985,775	1,162,236	2,056,409	781,272	323,668	Sum
63	63	58	61	64	64	64	Number of Libraries

UA/NA - Unavailable or Not Applicable

\* Figures in italics are derived from a sampling method rather than an actual annual count.

**RANK ORDER TABLE 1 – VOLUMES IN LIBRARY**

INSTITUTION		HSL VOLUMES	TOTAL VOLUMES	HSL % OF TOTAL	INSTITUTION		HSL VOLUMES	TOTAL VOLUMES	HSL % OF TOTAL
1	CHICAGO	797,127	*	*	34	CALIFORNIA, SAN DIEGO	238,499	3,236,219	7.37
2	ILLINOIS, CHICAGO	717,197	2,324,857	30.85	35	EMORY	238,259	3,184,754	7.48
3	HARVARD	681,657	15,826,570	4.31	36	KENTUCKY	236,980	3,406,377	6.96
4	CALIFORNIA, LOS ANGELES	651,167	8,157,182	7.98	37	MIAMI	229,471	3,013,867	7.61
5	MINNESOTA	577,967	6,713,629	8.61	38	ARIZONA	222,057	5,533,482	4.01
6	MICHIGAN	563,173	8,273,050	6.81	39	TENNESSEE	218,592	3,183,529	6.87
7	COLUMBIA	558,804	9,455,312	5.91	40	NEW YORK	217,900	5,144,879	4.24
8	PITTSBURGH	478,398	4,909,264	9.74	41	SOUTHERN CALIFORNIA	213,854	3,968,814	5.39
9	YALE	455,287	12,368,757	3.68	42	CONNECTICUT	205,256	3,629,755	5.65
10	JOHNS HOPKINS	416,043	3,686,575	11.29	43	VANDERBILT	203,028	3,264,231	6.22
11	CASE WESTERN RESERVE	414,697	2,495,769	16.62	44	PENNSYLVANIA	202,068	5,880,460	3.44
12	WASHINGTON	381,483	7,111,065	5.36	45	UTAH	196,002	3,254,709	6.02
13	CALIFORNIA, DAVIS	365,127	3,549,004	10.29	46	CORNELL	184,952	*	*
14	MCGILL	354,269	3,631,326	9.76	47	SASKATCHEWAN	184,453	1,996,901	9.24
15	FLORIDA	352,466	4,178,355	8.44	48	VIRGINIA	176,302	5,102,954	3.45
16	IOWA	350,932	*	*	49	SOUTHERN ILLINOIS	175,685	3,026,125	5.81
17	SUNY-BUFFALO	349,707	3,423,148	10.22	50	KANSAS	172,100	4,194,283	4.10
18	MONTREAL	333,697	3,090,289	10.80	51	MCMASTER	162,601	2,005,280	8.11
19	NORTH CAROLINA	333,493	5,816,677	5.73	52	NEW MEXICO	162,384	2,675,082	6.07
20	WISCONSIN	315,610	8,015,081	3.94	53	TULANE	156,133	3,076,954	5.07
21	CALIFORNIA, IRVINE	312,600	2,605,003	12.00	54	QUEEN'S	147,319	2,477,137	5.95
22	OKLAHOMA	310,792	4,918,351	6.32	55	BOSTON	143,326	2,449,521	5.85
23	TEXAS TECH	303,721	2,525,957	12.02	56	TEMPLE	138,206	3,071,624	4.50
24	CINCINNATI	301,554	3,209,337	9.40	57	HOWARD	133,409	2,435,163	5.48
25	WASHINGTON U.-ST. LOUIS	299,254	3,947,725	7.58	58	GEORGE WASHINGTON	130,056	2,197,950	5.92
26	OHIO STATE	294,494	6,180,744	4.76	59	SOUTH CAROLINA	119,799	3,532,538	3.39
27	DUKE	292,972	5,665,241	5.17	60	GEORGETOWN	99,910	2,489,528	4.01
28	SUNY-STONY BROOK	281,592	2,237,823	12.58	61	PENNSYLVANIA STATE	99,276	5,069,854	1.96
29	NORTHWESTERN	280,370	4,687,828	5.98	62	OKLAHOMA STATE	57,198	2,711,255	2.11
30	INDIANA	275,751	*	*	63	LOUISIANA STATE	48,194	3,499,137	1.38
31	ROCHESTER	262,448	3,607,310	7.28	64	ALABAMA	17,863	2,566,978	0.70
32	DARTMOUTH	261,337	2,690,395	9.71	65	FLORIDA STATE	8,458	2,947,702	0.29
33	LOUISVILLE	245,212	2,081,825	11.78					

\* Did not include a Health Science Library in the *ARL Statistics 2005-06*



**RANK ORDER TABLE 2 - VOLUMES ADDED (GROSS)**

INSTITUTION		HSL VOLUMES	TOTAL VOLUMES	HSL % OF TOTAL	INSTITUTION		HSL VOLUMES	TOTAL VOLUMES	HSL % OF TOTAL
1	CHICAGO	26,218	*	*	34	COLUMBIA	3,475	189,507	1.83
2	ILLINOIS, CHICAGO	20,590	46,373	44.40	35	SASKATCHEWAN	3,368	35,466	9.50
3	CALIFORNIA, IRVINE	14,164	118,034	12.00	36	UTAH	3,363	76,048	4.42
4	NEW YORK	11,276	137,629	8.19	37	DUKE	3,281	101,563	3.23
5	CALIFORNIA, LOS ANGELES	10,554	106,767	9.89	38	TEMPLE	3,209	55,830	5.75
6	MICHIGAN	10,025	176,998	5.66	39	DARTMOUTH	3,144	48,139	6.53
7	MINNESOTA	8,858	132,628	6.68	40	SOUTHERN ILLINOIS	3,105	36,947	8.40
8	CALIFORNIA, DAVIS	7,480	68,375	10.94	41	PENNSYLVANIA	2,865	108,678	2.64
9	PITTSBURGH	7,276	129,443	5.62	42	SUNY-BUFFALO	2,790	41,442	6.73
10	TEXAS TECH	7,246	63,179	11.47	43	WASHINGTON U.-ST. LOUIS	2,729	60,029	4.55
11	FLORIDA	6,418	51,388	12.49	44	JOHNS HOPKINS	2,577	53,306	4.83
12	MCGILL	6,296	75,737	8.31	45	TENNESSEE	2,577	57,953	4.45
13	WASHINGTON	5,897	120,950	4.88	46	ARIZONA	2,424	87,095	2.78
14	INDIANA	5,859	*	*	47	PENNSYLVANIA STATE	2,083	80,745	2.58
15	CALIFORNIA, SAN DIEGO	5,772	108,376	5.33	48	MCMASTER	2,008	27,495	7.30
16	CASE WESTERN RESERVE	5,649	28,365	19.92	49	QUEEN'S	1,962	45,541	4.31
17	NORTH CAROLINA	5,604	118,374	4.73	50	KANSAS	1,944	74,974	2.59
18	HARVARD	5,546	292,658	1.90	51	WISCONSIN	1,858	121,148	1.53
19	SOUTHERN CALIFORNIA	5,256	53,232	9.87	52	VIRGINIA	1,821	76,325	2.39
20	MIAMI	5,015	76,138	6.59	53	BOSTON	1,782	63,186	2.82
21	OHIO STATE	4,993	123,424	4.05	54	TULANE	1,760	35,843	4.91
22	YALE	4,975	249,613	1.99	55	GEORGE WASHINGTON	1,739	46,613	3.73
23	IOWA	4,504	*	*	56	NEW MEXICO	1,338	47,699	2.81
24	CINCINNATI	4,481	87,840	5.10	57	VANDERBILT	1,285	55,283	2.32
25	OKLAHOMA	4,475	84,137	5.32	58	SUNY-STONY BROOK	1,254	26,287	4.77
26	MONTREAL	4,453	64,371	6.92	59	SOUTH CAROLINA	1,163	56,298	2.07
27	KENTUCKY	4,410	83,729	5.27	60	GEORGETOWN	949	74,321	1.28
28	ROCHESTER	4,308	49,221	8.75	61	LOUISIANA STATE	521	57,772	0.90
29	CONNECTICUT	4,267	38,920	10.96	62	OKLAHOMA STATE	483	92,050	0.52
30	CORNELL	4,264	*	*	63	HOWARD	369	34,150	1.08
31	EMORY	4,250	86,754	4.90	64	ALABAMA	312	52,804	0.59
32	NORTHWESTERN	4,178	102,557	4.07	65	FLORIDA STATE	49	64,265	0.08
33	LOUISVILLE	3,939	67,393	5.84					

\* Did not include a Health Science Library in the *ARL Statistics 2005-06*

**RANK ORDER TABLE 3 – CURRENT SERIALS (TOTAL)**

INSTITUTION	HSL SERIALS	TOTAL SERIALS	HSL % OF TOTAL	INSTITUTION	HSL SERIALS	TOTAL SERIALS	HSL % OF TOTAL		
1	SOUTH CAROLINA	31,099	58,855	52.84	34	WASHINGTON U.-ST. LOUIS	3,444	41,339	8.33
2	TEXAS TECH	14,604	60,348	24.20	35	SUNY-BUFFALO	3,187	37,288	8.55
3	NEW YORK	13,154	62,537	21.03	36	MINNESOTA	2,976	72,573	4.10
4	PENNSYLVANIA STATE	10,999	71,230	15.44	37	MCGILL	2,965	81,772	3.63
5	YALE	8,109	73,953	10.97	38	KENTUCKY	2,928	31,897	9.18
6	OKLAHOMA STATE	7,369	63,116	11.68	39	SASKATCHEWAN	2,841	37,208	7.64
7	CHICAGO	7,350	*	*	40	MICHIGAN	2,812	118,654	2.37
8	NORTHWESTERN	7,171	45,259	15.84	41	SUNY-STONY BROOK	2,776	37,497	7.40
9	KANSAS	7,048	48,037	14.67	42	WISCONSIN	2,671	68,560	3.90
10	ILLINOIS, CHICAGO	6,874	50,325	13.66	43	GEORGETOWN	2,598	31,196	8.33
11	IOWA	6,745	*	*	44	CINCINNATI	2,440	42,265	5.77
12	MIAMI	6,641	51,349	12.93	45	HARVARD	2,383	98,988	2.41
13	CALIFORNIA, IRVINE	6,366	53,050	12.00	46	VIRGINIA	2,280	71,832	3.17
14	ARIZONA	6,167	33,899	18.19	47	DARTMOUTH	2,156	55,389	3.89
15	OHIO STATE	6,128	36,813	16.65	48	CASE WESTERN RESERVE	2,024	18,422	10.99
16	CORNELL	5,960	*	*	49	TULANE	1,830	19,716	9.28
17	TEMPLE	5,193	29,608	17.54	50	NEW MEXICO	1,790	24,323	7.36
18	OKLAHOMA	5,032	63,431	7.93	51	INDIANA	1,768	*	*
19	CALIFORNIA, SAN DIEGO	4,755	32,088	14.82	52	LOUISVILLE	1,693	37,931	4.46
20	CONNECTICUT	4,585	57,270	8.01	53	CALIFORNIA, DAVIS	1,594	47,008	3.39
21	GEORGE WASHINGTON	4,515	25,153	17.95	54	EMORY	1,512	37,779	4.00
22	COLUMBIA	4,389	117,264	3.74	55	DUKE	1,219	58,282	2.09
23	MCMASTER	4,208	26,477	15.89	56	SOUTHERN ILLINOIS	1,210	40,490	2.99
24	NORTH CAROLINA	4,100	54,591	7.51	57	FLORIDA STATE	909	51,896	1.75
25	SOUTHERN CALIFORNIA	4,045	60,718	6.66	58	FLORIDA	880	85,169	1.03
26	VANDERBILT	3,870	36,184	10.70	59	HOWARD	572	11,333	5.05
27	UTAH	3,811	40,607	9.39	60	PENNSYLVANIA	388	47,787	0.81
28	MONTREAL	3,803	62,374	6.10	61	LOUISIANA STATE	364	60,889	0.60
29	JOHNS HOPKINS	3,780	74,244	5.09	62	ALABAMA	295	34,461	0.86
30	BOSTON	3,647	40,757	8.95	63	PITTSBURGH	UA/NA	50,232	UA/NA
31	ROCHESTER	3,565	26,760	13.32	64	QUEEN'S	UA/NA	45,363	UA/NA
32	CALIFORNIA, LOS ANGELES	3,471	77,509	4.48	65	WASHINGTON	UA/NA	62,429	UA/NA
33	TENNESSEE	3,466	33,184	10.44					

\* Did not include a Health Science Library in the *ARL Statistics 2005-06*

RANK ORDER TABLE 4 – TOTAL LIBRARY EXPENDITURES

INSTITUTION	HSL Exp.	TOTAL Exp.	HSL % OF TOTAL	INSTITUTION	HSL Exp.	TOTAL Exp.	HSL % OF TOTAL
1 WASHINGTON U.-ST. LOUIS	12,252,607	31,466,476	38.94	34 GEORGE WASHINGTON	3,514,852	21,727,764	16.18
2 PITTSBURGH	6,809,074	28,927,212	23.54	35 MICHIGAN	3,487,399	49,053,402	7.11
3 NORTH CAROLINA	6,691,831	34,488,601	19.40	36 IOWA	3,379,869	*	*
4 WASHINGTON	6,597,136	38,841,830	16.98	37 SUNY-STONY BROOK	3,352,346	14,114,795	23.75
5 HARVARD	6,417,625	105,809,085	6.07	38 CASE WESTERN RESERVE	3,300,307	14,861,753	22.21
6 JOHNS HOPKINS	6,382,808	28,123,663	22.70	39 NORTHWESTERN	3,284,268	26,335,228	12.47
7 MINNESOTA	6,246,226	38,321,667	16.30	40 OKLAHOMA	3,111,167	19,856,352	15.67
8 CHICAGO	5,941,343	*	*	41 KENTUCKY	2,981,856	19,569,146	15.24
9 CINCINNATI	5,817,176	22,960,596	25.34	42 LOUISVILLE	2,877,815	18,493,616	15.56
10 NEW YORK	5,814,918	41,003,612	14.18	43 CALIFORNIA, DAVIS	2,875,372	20,609,936	13.95
11 CALIFORNIA, LOS ANGELES	5,788,209	50,919,689	11.37	44 TEMPLE	2,818,235	17,873,359	15.77
12 SOUTHERN CALIFORNIA	5,356,204	31,893,689	16.79	45 MCGILL	2,757,815	25,882,656	10.66
13 VANDERBILT	5,252,717	23,007,106	22.83	46 MCMASTER	2,756,339	13,626,100	20.23
14 NEW MEXICO	5,085,356	19,398,044	26.22	47 CONNECTICUT	2,647,143	23,960,782	11.05
15 UTAH	4,704,490	23,288,732	20.20	48 KANSAS	2,532,045	20,832,470	12.15
16 YALE	4,563,554	74,938,119	6.09	49 BOSTON	2,495,808	19,484,243	12.81
17 VIRGINIA	4,473,475	34,775,087	12.86	50 GEORGETOWN	2,379,309	23,754,207	10.02
18 FLORIDA	4,310,629	27,435,482	15.71	51 SUNY-BUFFALO	2,359,441	19,453,788	12.13
19 TEXAS TECH	4,281,036	21,324,759	20.08	52 DARTMOUTH	2,316,590	17,497,174	13.24
20 EMORY	4,008,688	30,765,589	13.03	53 QUEEN'S	2,308,341	16,259,032	14.20
21 MIAMI	4,003,570	23,328,442	17.16	54 ILLINOIS, CHICAGO	2,296,798	17,887,357	12.84
22 CORNELL	3,921,642	*	*	55 CALIFORNIA, IRVINE	2,141,450	17,845,419	12.00
23 ARIZONA	3,829,264	28,333,910	13.51	56 PENNSYLVANIA STATE	2,024,126	48,580,052	4.17
24 INDIANA	3,778,694	*	*	57 SASKATCHEWAN	1,843,158	14,829,710	12.43
25 PENNSYLVANIA	3,743,372	33,897,604	11.04	58 TULANE	1,765,737	14,261,505	12.38
26 WISCONSIN	3,740,195	40,800,267	9.17	59 SOUTHERN ILLINOIS	1,718,499	14,619,649	11.75
27 DUKE	3,695,151	33,531,731	11.02	60 HOWARD	1,563,591	9,854,124	15.87
28 OHIO STATE	3,685,164	32,966,111	11.18	61 SOUTH CAROLINA	1,322,039	20,422,352	6.47
29 COLUMBIA	3,685,091	56,938,255	6.47	62 FLORIDA STATE	855,483	15,083,949	5.67
30 TENNESSEE	3,682,154	22,871,489	16.10	63 OKLAHOMA STATE	787,916	13,912,768	5.66
31 CALIFORNIA, SAN DIEGO	3,627,710	26,298,111	13.79	64 LOUISIANA STATE	533,475	12,864,995	4.15
32 MONTREAL	3,574,853	28,288,912	12.64	65 ALABAMA	276,258	14,868,525	1.86
33 ROCHESTER	3,518,108	17,412,084	20.20				

\* Did not include a Health Science Library in the ARL Statistics 2005-06

### RANK ORDER TABLE 5 – TOTAL STAFF

INSTITUTION	HSL STAFF	TOTAL STAFF	HSL % OF TOTAL	INSTITUTION	HSL STAFF	TOTAL STAFF	HSL % OF TOTAL		
1	WASHINGTON U.-ST. LOUIS	90	311	28.94	34	SUNY-BUFFALO	37	249	14.86
2	NEW MEXICO	81	298	27.18	35	SUNY-STONY BROOK	37	159	23.27
3	PITTSBURGH	75	362	20.72	36	CORNELL	34	*	*
4	NORTH CAROLINA	71	437	16.25	37	KENTUCKY	34	257	13.23
5	JOHNS HOPKINS	70	345	20.29	38	ROCHESTER	33	214	15.42
6	ILLINOIS, CHICAGO	68	226	30.09	39	INDIANA	32	*	*
7	WASHINGTON	63	527	11.95	40	CALIFORNIA, SAN DIEGO	31	337	9.20
8	MINNESOTA	61	408	14.95	41	KANSAS	31	289	10.73
9	TEXAS TECH	61	306	19.93	42	MCMASTER	31	165	18.79
10	CALIFORNIA, LOS ANGELES	58	622	9.32	43	CHICAGO	30	*	*
11	NEW YORK	57	451	12.64	44	NORTHWESTERN	30	339	8.85
12	ARIZONA	56	313	17.89	45	CALIFORNIA, IRVINE	29	243	11.93
13	CINCINNATI	53	228	23.25	46	COLUMBIA	29	698	4.15
14	HARVARD	53	1,266	4.19	47	HOWARD	29	171	16.96
15	UTAH	53	356	14.89	48	CASE WESTERN RESERVE	28	147	19.05
16	FLORIDA	51	439	11.62	49	CONNECTICUT	28	218	12.84
17	SOUTHERN CALIFORNIA	47	375	12.53	50	TEMPLE	28	229	12.23
18	MICHIGAN	46	574	8.01	51	DARTMOUTH	27	206	13.11
19	OHIO STATE	46	435	10.57	52	LOUISVILLE	27	185	14.59
20	VANDERBILT	44	245	17.96	53	BOSTON	25	297	8.42
21	VIRGINIA	43	373	11.53	54	MCGILL	25	256	9.77
22	WISCONSIN	43	577	7.45	55	SOUTHERN ILLINOIS	23	207	11.11
23	YALE	43	706	6.09	56	QUEEN'S	21	169	12.43
24	OKLAHOMA	42	228	18.42	57	GEORGETOWN	20	269	7.43
25	GEORGE WASHINGTON	41	264	15.53	58	SOUTH CAROLINA	20	277	7.22
26	DUKE	40	361	11.08	59	PENNSYLVANIA STATE	18	612	2.94
27	MIAMI	40	257	15.56	60	SASKATCHEWAN	15	152	9.87
28	IOWA	39	*	*	61	TULANE	15	175	8.57
29	TENNESSEE	39	284	13.73	62	OKLAHOMA STATE	12	212	5.66
30	PENNSYLVANIA	38	393	9.67	63	LOUISIANA STATE	10	203	4.93
31	CALIFORNIA, DAVIS	37	273	13.55	64	FLORIDA STATE	7	246	2.85
32	EMORY	37	295	12.54	65	ALABAMA	5	207	2.42
33	MONTREAL	37	389	9.51					

\* Did not include a Health Science Library in the *ARL Statistics 2005-06*

RANK ORDER TABLE 6 – TOTAL ELECTRONIC MATERIALS

INSTITUTION	HSL E-MATERIAL	TOTAL E- MATERIAL	HSL % OF TOTAL	INSTITUTION	HSL E-MATERIAL	TOTAL E- MATERIAL	HSL % OF TOTAL
1 CHICAGO	3,124,722	6,021,047	51.90	34 INDIANA	752,618	4,135,103	18.20
2 VANDERBILT	2,440,748	4,728,525	51.62	35 ILLINOIS, CHICAGO	711,477	3,455,796	20.59
3 WASHINGTON U.-ST. LOUIS	1,967,727	5,273,151	37.32	36 DARTMOUTH	685,849	4,163,977	16.47
4 YALE	1,821,561	4,689,354	38.84	37 GEORGE WASHINGTON	682,022	2,894,930	23.56
5 NORTHWESTERN	1,656,029	5,844,331	28.34	38 ROCHESTER	644,347	1,715,993	37.55
6 NORTH CAROLINA	1,649,217	3,804,794	43.35	39 MONTREAL	609,041	5,030,158	12.11
7 PENNSYLVANIA	1,559,230	5,231,082	29.81	40 MCGILL	605,804	6,016,847	10.07
8 HARVARD	1,547,101	5,417,996	28.55	41 SOUTH CAROLINA	550,283	3,679,957	14.95
9 PITTSBURGH	1,534,070	5,891,621	26.04	42 CALIFORNIA, IRVINE	409,342	3,411,180	12.00
10 NEW YORK	1,527,245	6,688,267	22.83	43 MICHIGAN	398,606	UA/NA	UA/NA
11 JOHNS HOPKINS	1,521,091	6,490,250	23.44	44 TEXAS TECH	384,039	2,015,136	19.06
12 CALIFORNIA, SAN DIEGO	1,346,403	3,439,242	39.15	45 SUNY-BUFFALO	379,176	4,677,244	8.11
13 IOWA	1,324,123	5,421,137	24.43	46 UTAH	318,470	1,193,845	26.68
14 FLORIDA	1,315,056	5,355,636	24.55	47 FLORIDA STATE	296,965	3,880,840	7.65
15 MCMASTER	1,175,056	4,170,524	28.18	48 EMORY	270,075	2,935,205	9.20
16 OHIO STATE	1,173,322	5,174,694	22.67	49 OKLAHOMA	240,335	2,912,861	8.25
17 QUEEN'S	1,131,289	4,478,343	25.26	50 KENTUCKY	216,730	3,491,559	6.21
18 GEORGETOWN	1,121,197	3,114,752	36.00	51 TENNESSEE	201,085	2,355,919	8.54
19 DUKE	1,092,426	4,463,339	24.48	52 BOSTON	182,338	1,716,862	10.62
20 COLUMBIA	1,087,270	7,704,688	14.11	53 LOUISVILLE	152,735	2,703,346	5.65
21 MIAMI	1,038,633	3,844,486	27.02	54 WISCONSIN	148,720	3,606,560	4.12
22 MINNESOTA	1,020,891	5,414,827	18.85	55 OKLAHOMA STATE	79,460	UA/NA	UA/NA
23 SUNY-STONY BROOK	1,011,017	2,128,413	47.50	56 SOUTHERN ILLINOIS	33,943	2,921,467	1.16
24 TEMPLE	969,199	5,121,982	18.92	57 KANSAS	25,668	2,434,356	1.05
25 TULANE	909,408	3,572,303	25.46	58 ALABAMA	18,455	3,578,275	0.52
26 CALIFORNIA, DAVIS	872,318	3,792,873	23.00	59 CALIFORNIA, LOS ANGELES	UA/NA	3,287,538	UA/NA
27 NEW MEXICO	867,404	2,205,594	39.33	60 CONNECTICUT	UA/NA	3,504,528	UA/NA
28 SOUTHERN CALIFORNIA	864,712	3,359,071	25.74	61 CORNELL	UA/NA	5,366,442	UA/NA
29 CASE WESTERN RESERVE	831,003	2,866,823	28.99	62 LOUISIANA STATE	UA/NA	1,470,331	UA/NA
30 ARIZONA	823,596	5,560,913	14.81	63 SASKATCHEWAN	UA/NA	3,943,918	UA/NA
31 VIRGINIA	794,766	4,157,333	19.12	64 WASHINGTON	UA/NA	4,022,052	UA/NA
32 PENNSYLVANIA STATE	788,525	9,823,592	8.03	65 HOWARD	UA/NA	1,070,931	UA/NA
33 CINCINNATI	785,531	7,239,964	10.85				

\* Did not include a Health Science Library in the ARL Statistics 2005-06



# ARL STATISTICS 2005-06

## HEALTH SCIENCES LIBRARY WORKSHEET

This worksheet is designed to help you plan your submission for the 2005-06 *ARL Statistics*. Include **ONLY** those libraries which would appear in the *ARL Academic Health Sciences Library Statistics* publication.

Please respond to all questions. If an exact figure is unavailable, use "NA/UA". If the appropriate answer is zero or none, use "0."

Reporting Institution \_\_\_\_\_ Date Returned to ARL \_\_\_\_\_

Report Prepared by (name) \_\_\_\_\_

Title \_\_\_\_\_

Email address \_\_\_\_\_ Phone number \_\_\_\_\_

Contact person (if different) \_\_\_\_\_

Title \_\_\_\_\_

Email address \_\_\_\_\_ Phone number \_\_\_\_\_

### PAGE ONE – VOLUMES

#### 1. Volumes held June 30, 2006

1a. Volumes held June 30, 2005 (1.a) \_\_\_\_\_

1b. Volumes added during the year

(i) Volumes added – Gross (1.b.i) \_\_\_\_\_

(ii) Volumes withdrawn during year (1.b.ii) \_\_\_\_\_

(Net Volumes Added: 1.b.i – 1.b.ii) (1.b) \_\_\_\_\_

(Volumes held June 30, 2006: 1.a + 1.b) (1) \_\_\_\_\_

2. Number of monographic volumes purchased (2) \_\_\_\_\_

3. Basis of volume count is: (3) \_\_\_\_\_ Physical  
\_\_\_\_\_ Bibliographic

**PAGE TWO – OTHER COLLECTIONS**

**SERIALS**

**4. Total number of current serials received, including periodicals**

4a. Number of current serials purchased (4a) \_\_\_\_\_

4b. Number of current serials received but not purchased (4b) \_\_\_\_\_  
(Exchanges, gifts, deposits, etc. See instructions.)

(Total serials received: 4.a + 4.b) (4) \_\_\_\_\_

**5. Government documents are included in count of Current Serials?** (5) \_\_\_\_\_ Yes \_\_\_\_\_ No

**OTHER LIBRARY MATERIALS**

**6. Microform units** (6) \_\_\_\_\_

**7. Government documents not counted elsewhere** (7) \_\_\_\_\_

**8. Computer files** (8) \_\_\_\_\_

**9. Manuscripts and archives (linear ft.)** (9) \_\_\_\_\_

**AUDIOVISUAL MATERIALS**

**10. Cartographic** (10) \_\_\_\_\_

**11. Graphic** (11) \_\_\_\_\_

**12. Audio** (12) \_\_\_\_\_

**13. Film and Video** (13) \_\_\_\_\_



**PAGE THREE – EXPENDITURES**

**14. Are the below figures reported in Canadian dollars?** (14)  Yes  
 No

**15. Total Library Materials Expenditures**

15a. Monographs (15a) \_\_\_\_\_

15b. Current serials, including periodicals (15b) \_\_\_\_\_

15c. Other Library Materials (15c) \_\_\_\_\_

15d. Miscellaneous (15d) \_\_\_\_\_

*(Total library materials: 15.a + 15.b + 15.c + 15.d)* (15) \_\_\_\_\_

**16. Contract binding** (16) \_\_\_\_\_

**17. Total Salaries and Wages**

17a. Professional staff (17a) \_\_\_\_\_

17b. Support staff (17b) \_\_\_\_\_

17c. Student assistants (17c) \_\_\_\_\_

*(Total salaries and wages: 17.a + 17.b + 17.c)* (17) \_\_\_\_\_

**18. Fringe benefits are included in expenditures for salaries and wages?** (18)  Yes  
 No

**19. Other operating expenditures** (19) \_\_\_\_\_

**20. Total library expenditures** ( 15 + 16 + 17 + 19 ) (20) \_\_\_\_\_

**ELECTRONIC MATERIALS EXPENDITURES**

**21. Computer files** (*One-time/monographic purchases.*) (21) \_\_\_\_\_

**22. Electronic serials** (22) \_\_\_\_\_

**23. Bibliographic Utilities, Networks, and Consortia**

23a. From internal library sources (23a) \_\_\_\_\_

23b. From external sources (23b) \_\_\_\_\_

**24. Computer hardware and software** (24) \_\_\_\_\_

**25. Document Delivery/Interlibrary Loan** (25) \_\_\_\_\_

**PAGE FOUR – PERSONNEL AND PUBLIC SERVICES**

**PERSONNEL** (Round figures to nearest whole number.)

**26. Total Staff FTE**

26a. Professional staff (26a) \_\_\_\_\_

26b. Support staff (26b) \_\_\_\_\_

26c. Student assistants (26c) \_\_\_\_\_

(Total staff FTE: 26.a + 26.b + 26.c) (26) \_\_\_\_\_

**STAFFED SERVICE POINTS AND HOURS**

**27. Number of staffed library service points** (27) \_\_\_\_\_

**28. Number of weekly public service hours** (28) \_\_\_\_\_

**INSTRUCTION**

**29. Number of library presentations to groups** (29) \_\_\_\_\_

29a. Figure based on sampling? (29a) \_\_\_\_\_ Yes \_\_\_\_\_ No

**30. Number of total participants in group presentations reported in line 29**  
(30) \_\_\_\_\_

30a. Figure based on sampling? (30a) \_\_\_\_\_ Yes \_\_\_\_\_ No

**REFERENCE**

**31. Number of reference transactions** (31) \_\_\_\_\_

31a. Figure based on sampling? (31a) \_\_\_\_\_ Yes \_\_\_\_\_ No

**PAGE FIVE – PUBLIC SERVICES AND LOCAL CHARACTERISTICS**

**CIRCULATION**

- 32. Number of initial circulations** (excluding reserves) (32) \_\_\_\_\_
- 33. Total circulations** (initial and renewals, excluding reserves) (33) \_\_\_\_\_

**INTERLIBRARY LOANS**

- 34. Total number of filled requests provided to other libraries** (34) \_\_\_\_\_
- 35. Total number of filled requests received from other libraries or providers** (35) \_\_\_\_\_

**Ph.D. DEGREES AND FACULTY**

- 36. Number of Ph.D.s awarded in FY2005-06** (36) \_\_\_\_\_
- 37. Number of fields in which Ph.D.s can be awarded** (37) \_\_\_\_\_
- 38. Number of full-time instructional faculty in FY2005-06** (38) \_\_\_\_\_

**ENROLLMENT – FALL 2005**

*(Line numbers refer to IPEDS survey form.)*

- 39. Full-time students, undergraduate and graduate** (39) \_\_\_\_\_  
*(Add line 8, columns 15 & 16, and line 14, columns 15 & 16.)*
- 40. Part-time students, undergraduate and graduate** (40) \_\_\_\_\_  
*(Add line 22, columns 15 & 16, and line 28, columns 15 & 16.)*
- 41. Full-time graduate students** *(Line 14, columns 15 & 16.)* (41) \_\_\_\_\_
- 42. Part-time graduate students** *(Line 28, columns 15 & 16.)* (42) \_\_\_\_\_

**FOOTNOTES**

On the web form, you will be able to add footnotes to individual questions, as well as footnotes that apply to your entire institution. Please provide any information which would clarify the figures submitted, e.g., the inclusion of branch campus libraries or any special projects which might cause radical increases or decreases from the 2004-05 data. **The form will not be able to provide your institution's 2004-05 footnotes.** Please make an effort to word your footnotes in a manner consistent with notes appearing in the published report, so that the ARL Office can interpret your footnotes correctly.

Submit the completed questionnaire by **January 30, 2007**

For assistance, please e-mail Martha Kyrillidou ([martha@arl.org](mailto:martha@arl.org)) or Mark Young ([stats-ra@arl.org](mailto:stats-ra@arl.org))  
Tel. (202) 296-2296.

# ARL STATISTICS QUESTIONNAIRE, 2005-06

## INSTRUCTIONS FOR COMPLETING THE QUESTIONNAIRE

### General Instructions

Definitions of statistical categories can be found in NISO Z39.7-2004, *Information Services and Use: Metrics & statistics for libraries and information providers--Data Dictionary* (<http://www.niso.org/emetrics/current/index.html>). ARL has been modifying the interpretation of the standard definitions to address questions posed by the library staff at various member institutions that complete the survey and with feedback from the ARL Statistics and Assessment Committee (<http://www.arl.org/stats/program/meeting.html>).

**Please do not use decimals.** All figures should be rounded to the nearest whole number.

**Please respond to every question.** If an exact figure cannot be provided, use NA/UA to indicate that the figure is either unavailable or not applicable. If the appropriate answer is zero or none, use **0**.

Although the form allows for data to be entered from both main and branch campuses, an effort should be made to report figures for the main campus only. (The U.S. National Center for Education Statistics, Integrated Postsecondary Education Data System (IPEDS) defines a **branch institution** as “a campus or site of an educational institution that is not temporary, is located in a community beyond a reasonable commuting distance from its parent institution, and offers organized programs of study, not just courses.”) If figures for libraries located at branch campuses are reported, please specify which branch libraries are included and which ones are excluded in the notes below.

A **branch library** is defined as an auxiliary library service outlet with quarters separate from the central library of an institution, which has a basic collection of books and other materials, a regular staffing level, and an established schedule. A branch library is administered either by the central library or (as in the case of some law and medical libraries) through the administrative structure of other units within the university. Departmental study/reading rooms are not included.

The questionnaire assumes a fiscal year ending **June 30, 2006**. If your fiscal year is different, please indicate this in the notes below by adjusting the reporting period.

**Footnotes.** Explanatory footnotes will be included with the published statistics. Provide any notes you may have in the footnotes area at the end of the survey. Reporting libraries are urged to record there any information that would clarify the figures submitted in that line, e.g., the inclusion and exclusion of branch campus libraries. Please make an effort to word your footnotes in a manner consistent with notes appearing in the published report, so that the ARL Office can interpret your footnotes correctly.

### Specific Instructions

**Question 1. Volumes in Library.** Use the ANSI/NISO Z39.7-2004 definition for **volume** as follows:

*a single physical unit of any printed, typewritten, handwritten, mimeographed, or processed work, distinguished from other units by a separate binding, encasement, portfolio, or other clear distinction, which has been cataloged, classified, and made ready for use, and which is typically the unit used to charge circulation transactions. Either a serial volume is bound, or it comprises the serial issues that would be bound together if the library bound all serials.*

Include duplicates and bound volumes of periodicals. For purposes of this questionnaire, unclassified bound serials arranged in alphabetical order are considered classified. Exclude microforms, maps, nonprint materials, and uncataloged items. If any of these items cannot be excluded, please provide an explanatory footnote

Include government document volumes that are accessible through the library's catalogs regardless of whether they are separately shelved. "Classified" includes documents arranged by Superintendent of Documents, CODOC, or similar numbers. "Cataloged" includes documents for which records are provided by the library or downloaded from other sources into the library's card or online catalogs. Documents should, to the extent possible, be counted as they would if they were in bound volumes (e.g., 12 issues of an annual serial would be one or two volumes). Title and piece counts should not be considered the same as volume counts. If a volume count has not been kept, it may be estimated through sampling a representative group of title records and determining the corresponding number of volumes, then extrapolating to the rest of the collection. As an alternative, an estimate may be made using the following formulae:

$$\begin{aligned} &52 \text{ documents pieces per foot} \\ &10 \text{ "traditional" volumes per foot} \\ &5.2 \text{ documents pieces per volume} \end{aligned}$$

Include e-book units, as long as these e-books have been purchased and are owned by your library. If you have access to netLibrary titles as a result of participating in various consortia, **do not** report these e-books as your library's property unless the e-books actually belong to your library. If the books were purchased by a consortium, they may belong to the consortium itself and not to the participating libraries. Report only the number of e-books that belong to your library and are cataloged, classified and made ready for use. Provide a footnote explaining how many e-books you are reporting, preferably by specifying the products and the number of titles in a note.

For information on how to count items housed in remote storage, see the Interim Guidelines for Counting Materials Housed in Library Storage Centers, at <http://www.arl.org/stats/arlstat/storage.html> .

If either formulas or sampling are used for deriving your count, please indicate in a footnote.

**Question 1b. Volumes Added.** Include only volumes cataloged, classified, and made ready for use. Include government documents if they have been included in the count of volumes on line 1a. Do not include as part of Volumes Added Gross any government documents or other collections (such as large gift collections or e-book packages) that were added to the collection as the result of a one time download or addition to the OPAC. Include these items in Volumes Held of the previous year (Line 1a) and provide a footnote explaining the revision of Line 1a.

Include e-book units, as long as these e-books have been purchased and are owned by your library. If you have access to netLibrary titles as a result of participating in various consortia, **do not** report these e-books as your library's property unless the e-books actually belong to your library. If the books were purchased by a consortium, they may belong to the consortium itself and not to the participating libraries. Report only the number of e-books that belong to your library and are cataloged, classified and made ready for use. Provide a footnote explaining how many e-books you are reporting, preferably by specifying the products and the number of titles in a note.

**Question 2. Monographic Volumes Purchased.** Report number of volumes purchased; do not include volumes received or cataloged. Include all volumes for which an expenditure was made during 2005-06, including volumes paid for in advance but not received during the fiscal year. Include monographs in series and continuations. Include e-books that fit the netLibrary model, i.e., electronic manifestations of physical entities and/or units; provide a footnote explaining how many e-books you are reporting, preferably by specifying the products and the number of titles. If only number of titles purchased can be reported, please report the data and provide an explanatory footnote.

**Question 3: Basis of Volume Count.** A physical count is a piece count; a bibliographic count is a catalog record count.

**Questions 4-5. Serials.** Report the total number of subscriptions, not titles. Include duplicate subscriptions and, to the extent possible, all government document serials even if housed in a separate documents collection. Verify the inclusion or exclusion of document serials in Question 5. Exclude unnumbered monographic and publishers' series. Electronic serials acquired as part of an aggregated package (e.g., Project MUSE, BioOne, ScienceDirect) should be counted by title. A **serial** is

*a publication in any medium issued in successive parts bearing numerical or chronological designations and intended to be continued indefinitely. This definition includes periodicals, newspapers, and annuals (reports, yearbooks, etc.); the journals, memoirs, proceedings, transactions, etc. of societies; and numbered monographic series.*

In the case of consortial agreements, count under Q4a only those subscriptions to titles for which the library pays directly from its budgeted expenditures reported under Q15b (expenditures for serials). Count under Q4a only those titles and subscriptions for which your library pays. Report other subscriptions that your library receives and does not pay for directly under Q4b (serials received and not purchased). If a purchased subscription includes electronic access to the title, count that subscription twice: once for the print version and once for the electronic version. If serials have been purchased through a consortium whose budget is centrally funded and independent from the library's budget, these serials should be reported under Q4b.

**Do not include** the full-text serials from such indexing/abstracting products as Wilson Social Sciences Abstracts Full Text, Lexis-Nexis, ABI/INFORM, and other indexes with access to the full text of articles. These full-text titles are counted in the ARL Supplementary Statistics.

**Question 4b. Serials: Not Purchased.** Record those serials whose subscriptions were received without purchase for whatever reason. If separate counts of nonpurchased and purchased serials are not available, report only the total number of current serials received on line 4, and report U/A for lines 4a and 4b.

**Question 6. Microforms.** Report the total number of physical units: reels of microfilm, microcards, and microprint and microfiche sheets. Include all government documents in microform; provide a footnote if documents are excluded.

**Question 7. Government documents.** Report the total number of physical units (pieces) of government documents in paper format that have not been counted elsewhere. Include local, state, national, and international documents; include documents purchased from a commercial source if shelved with separate documents collections and not counted above. Include serials and monographs. To estimate pieces from a measurement of linear feet, use the formula  $1 \text{ foot} = 52 \text{ pieces}$  and indicate in a footnote that the count is based on this estimate. Exclude microforms and nonprint formats such as maps or CD-ROMs. Adjust line 1a, i.e., last year's Volumes Held, and provide a footnote if you are adding records to the OPAC for government documents previously held but not counted as part of Volumes Held (line 1a).

**Question 8. Computer files.** Include the number of pieces of computer-readable disks, tapes, CD-ROMs, and similar machine-readable files comprising data or programs that are locally held as part of the library's collections available to library clients. Examples are U.S. Census data tapes, sample research software, locally-mounted databases, and reference tools on CD-ROM, tape or disk. Exclude bibliographic records used to manage the collection (i.e., the library's own catalog in machine-readable form), library system software, and microcomputer software used only by the library staff.

**Question 9. Manuscripts and archives.** Include both manuscripts and archives measured in linear feet.

**Question 10. Cartographic materials.** Include the numbers of pieces of two- and three-dimensional maps and globes. Include satellite and aerial photographs and images.

**Question 11. Graphic materials.** Include the number of pieces of prints, pictures, photographs, postcards, slides, transparencies, film strips, and the like.

**Question 12. Audio materials.** Include the number of pieces of audiocassettes, phonodiscs, audio compact discs, reel-to-reel tapes, and other sound recordings.

**Question 13. Film and video materials.** Include the number of pieces of motion pictures, videocassettes, video laser discs, and similar visual materials.

**Questions 14-20. Expenditures.** Report all expenditures of funds that come to the library from the regular institutional budget, and from sources such as research grants, special projects, gifts and endowments, and fees for service. (For question 17, include non-library funds; see instruction Q17.) Do not report encumbrances of funds that have not yet been expended. **Canadian libraries should report expenditures in Canadian dollars.** (For your information, if interested in determining figures in U.S. dollars, divide Canadian dollar amounts by 1.16289, the average monthly noon exchange rate published in the Bank of Canada *Review* for the period July 2005-June 2006.) **Please round figures to the nearest dollar.**

**Question 15a. Monographs.** Report expenditures for volumes counted on line 2.

**Question 15b. Current Serials.** Report expenditures for serials counted on line 4a. Exclude unnumbered monographic and publishers' series, and encumbrances.

**Question 15c. Other library materials.** Include expenditures for all materials not reported in Questions 15a and 15b, e.g., backfiles of serials, charts and maps, audiovisual materials, manuscripts, etc. If expenditures for these materials are included in lines 15a and/or 15b and cannot be disaggregated, please report U/A and provide a footnote. Do not include encumbrances.

**Question 15d. Miscellaneous expenditures.** Include any other **materials funds expenditures** not included in questions 15a-c, e.g., expenditures for bibliographic utilities, literature searching, security devices, memberships for the purposes of publications, etc. Please list categories, with amounts, in a footnote. **Note:** If your library does not use materials funds for non-materials expenditures—i.e., such expenditures are included in "Other Operating Expenditures"—**report 0, not U/A**, on line 15d.

**Question 16. Contract Binding.** Include only contract expenditures for binding done outside the library. If all binding is done in-house, state this fact and give in-house expenditures in a footnote; do not include personnel expenditures. (This figure should also be reported in the 2005-06 ARL Preservation Survey, question 7b.)

**Questions 17. Salaries and wages.** Exclude fringe benefits. If professional and support staff salaries cannot be separated, enter U/A, on lines 17a and 17b and enter total staff on line 17.

**Question 17c. Salaries and wages: Student Assistants.** Report 100% of student wages regardless of budgetary source of funds. Include federal and local funds for work study students.

**Question 19. Other operating expenditures.** Exclude expenditures for buildings, maintenance, and fringe benefits.

**Questions 21-25. Electronic materials expenditures.** *These items are intended to indicate what portion of your institution's total library expenditures are dedicated to electronic resources and services. Please use the Footnotes to indicate any electronic materials expenditures you believe not to be covered by these questions. **Many expenditures recorded in these questions should have been included in Question 20, total library expenditures.***

**Question 21. Computer files.** *Report expenditures that are not current serials (i.e. are non-subscription, one-time, or monographic in nature) for software and machine-readable materials considered part of the collections. Examples include periodical backfiles, literature collections, one-time costs for JSTOR membership, etc. Expenditures reported here may be derived from any of the following categories: Monographs (Q15a), Other Library Materials (Q15c), Miscellaneous (Q15d), or Other Operating Expenditures (Q19).*

**Question 22. Electronic Serials.** Report subscription expenditures (or those which are expected to be ongoing commitments) for serial publications whose primary format is electronic and for online searches of remote databases such as OCLC FirstSearch, DIALOG, Lexis-Nexis, etc. Examples include paid subscriptions for electronic journals and indexes/abstracts available via the Internet, CD-ROM serials, and annual access fees for resources purchased on

a “one-time” basis, such as literature collections, JSTOR membership, etc. Not all items whose expenditures are counted here will be included in Total Current Serials (Question 4) or Current Serial Expenditures (Question 15b).

**Q23. Bibliographic Utilities, Networks, and Consortia.** Because it is increasingly common for ARL Libraries to enter into consortial arrangements to purchase access to electronic resources, both “Library” and “External” expenditure blanks and instructions are provided. Please use a footnote to describe expenditures that you believe are not covered by the question, or situations that do not seem to fit the instructions.

**Q23a. From internal library sources.** Report expenditures paid by the Library for services provided by national, regional, and local bibliographic utilities, networks, and consortia, such as OCLC and RLG, unless for user database access and subscriptions, which should be reported in Questions 21 or 22. Include only expenditures that are part of Other Operating Expenditures (Q19).

**Q23b. From external sources.** If your library receives access to computer files, electronic serials or search services through one or more centrally-funded system or consortial arrangements for which it does not pay fully and/or directly (for example, funding is provided by the state on behalf of all members), enter the amount paid by external bodies on its behalf. If the specific dollar amount is not known, but the total student FTE for the consortium and amount spent for the academic members are known, divide the overall amount spent by your institution’s share of the total student FTE.

**Q24. Computer hardware and software.** Report expenditures from the library budget for computer hardware and software used to support library operations, whether purchased or leased, mainframe or microcomputer, and whether for staff or public use. Include expenditures for: maintenance; equipment used to run information service products when those expenditures can be separated from the price of the product; telecommunications infrastructure costs, such as wiring, hubs, routers, etc. Include only expenditures that are part of Other Operating Expenditures (Q19).

**Q25. Document Delivery/Interlibrary Loan.** Report expenditures for document delivery and interlibrary loan services (both borrowing and lending). Include fees paid for photocopies, costs of telefacsimile transmission, royalties and access fees paid to provide document delivery or interlibrary loan. Include fees paid to bibliographic utilities if the portion paid for interlibrary loan can be separately counted. Include only expenditures that are part of Miscellaneous Materials Expenditures (Q15d) or Other Operating Expenditures (Q19), and only for those ILL/DD programs with data recorded in Questions 34-35.

**Questions 26. Personnel.** Report the number of staff in filled positions, or positions that are only temporarily vacant. ARL defines temporarily vacant positions as positions that were vacated during the fiscal year for which ARL data were submitted, for which there is a firm intent to refill, and for which there are expenditures for salaries reported on line 17.

Include cost recovery positions and staff hired for special projects and grants, but provide an explanatory footnote indicating the number of such staff. If such staff cannot be included, provide a footnote. To compute full-time equivalents of part-time employees and student assistants, take the total number of hours per week (or year) worked by part-time employees in each category and divide it by the number of hours considered by the reporting library to be a full-time work week (or year). **Round figures to the nearest whole numbers.**

**Question 26a. Professional Staff.** Since the criteria for determining professional status vary among libraries, there is no attempt to define the term “professional.” Each library should report those staff members it considers professional, including, when appropriate, staff who are not librarians in the strict sense of the term, for example computer experts, systems analysts, or budget officers.

**Question 26c. Student Assistants.** Report the total FTE (see instruction Q26) of student assistants employed on an hourly basis whose wages are paid from funds under library control or from a budget other than the library’s, including federal work-study programs. Exclude maintenance and custodial staff.

**Question 27. Number of staffed library service points.** Count the number of staffed public service points in the main library and in all branch libraries reported in this inventory, including reference desks, information desks,



circulation, current periodicals, reserve rooms, reprographic services (if staffed as a public facility), etc. Report the number of designated locations, not the number of staff.

**Question 28. Number of weekly public service hours.** Report an unduplicated count of the total public service hours per typical full-service week (i.e., no holidays or other special accommodations) across both main library and branches using the following method (corresponds to IPEDS): If a library is open from 9:00 a.m. to 5:00 p.m. Monday through Friday, it should report 40 hours per week. If several of its branches are also open during these hours, the figure remains 40 hours per week. Should Branch A also be open one evening from 7:00 p.m. to 9:00 p.m., the total hours during which users can find service somewhere within the system becomes 42 hours per week. If Branch B is open the same hours on the same evening, the count is still 42, but if Branch B is open two hours on another evening, or remains open two hours later, the total is then 44 hours per week. **Exclude 24-hour unstaffed reserve or similar reading rooms.** The maximum total is 168 (i.e., a staffed reading room open 7 days per week, 24 hours per day).

**Questions 29-30. Instruction.** Sampling based on a typical week may be used to extrapolate TO A FULL YEAR for Questions 29 and 30. Please indicate if responses are based on sampling.

**Question 29. Presentations to Groups.** Report the total number of sessions during the year of presentations made as part of formal bibliographic instruction programs and through other planned class presentations, orientation sessions, and tours. If the library sponsors multi-session or credit courses that meet several times over the course of a semester, each session should be counted. Presentations to groups may be for either bibliographic instruction, cultural, recreational, or educational purposes. Presentations both on and off the premises should be included as long as they are sponsored by the library. Do not include meetings sponsored by other groups using library meeting rooms. Do not include training for library staff; the purpose of this question is to capture information about the services the library provides for its clientele. Please indicate if the figure is based on sampling.

**Question 30. Participants in Group Presentations.** Report the total number of participants in the presentations reported on line 29. For multi-session classes with a constant enrollment, count each person only once. Personal, one-to-one instruction in the use of sources should be counted as reference transactions on line 31. Please indicate if the figure is based on sampling. Use a footnote to describe any special situations.

**Question 31. Reference Transactions.** Report the total number of reference transactions. A **reference transaction** is

*an information contact that involves the knowledge, use, recommendations, interpretation, or instruction in the use of one or more information sources by a member of the library staff. The term includes information and referral service. Information sources include (a) printed and nonprinted material; (b) machine-readable databases (including computer-assisted instruction); (c) the library's own catalogs and other holdings records; (d) other libraries and institutions through communication or referral; and (e) persons both inside and outside the library. When a staff member uses information gained from previous use of information sources to answer a question, the transaction is reported as a reference transaction even if the source is not consulted again.*

If a contact includes both reference and directional services, it should be reported as one reference transaction. Duration should not be an element in determining whether a transaction is a reference transaction. Sampling based on a typical week may be used to extrapolate TO A FULL YEAR for Question 31. Please indicate if the figure is based on sampling.

**EXCLUDE SIMPLE DIRECTIONAL QUESTIONS.** A directional transaction is an information contact that facilitates the logistical use of the library and that does not involve the knowledge, use, recommendations, interpretation, or instruction in the use of any information sources other than those that describe the library, such as schedules, floor plans, and handbooks.

**Questions 32-33. Circulation.** For Question 32, count the number of initial circulations during the fiscal year from the general collection for use usually (although not always) outside the library. Do not count renewals. Include circulations to and from remote storage facilities for library users (i.e., do not include transactions reflecting transfers or stages of technical processing). Count the total number of items lent, not the number of borrowers. For Question 33, report total circulation for the fiscal year including initial transactions reported on line 32 and renewal transactions. Exclude reserve circulations; these are no longer reported.

**Questions 34-35. Interlibrary Loans.** Report the number of requests for material (both returnables and non-returnables) provided to other libraries on line 34 and the number of filled requests received from other libraries or providers on line 35. On both lines, include originals, photocopies, and materials sent by telefacsimile or other forms of electronic transmission. Include patron-initiated transactions. Exclude requests for materials locally owned and available on the shelves or electronically. Do not include transactions between libraries covered by this questionnaire.

**Questions 36. Ph.D. Degrees.** Report the number awarded during the 2004-05 fiscal year. Please note that only the number of Ph.D. degrees are to be counted. Statistics on all other advanced degrees (e.g., D.Ed., D.P.A., M.D., J.D.) should not be reported in this survey. If you are unable to provide a figure for Ph.D.s only, please add a footnote.

**Question 37. Ph.D. Fields.** For the purposes of this report, Ph.D. fields are defined as the specific discipline specialties enumerated in the U.S. Department of Education's Integrated Postsecondary Education Data System (IPEDS) "Completions" Survey. Although the IPEDS form requests figures for all doctoral degrees, only fields in which Ph.D.s are awarded should be reported on the ARL questionnaire. Any exceptions should be footnoted.

**Question 38. Instructional Faculty.** Instructional faculty are defined by the U.S. Dept. of Education as

*members of the instruction/research staff who are employed full-time as defined by the institution, including faculty with released time for research and faculty on sabbatical leave.*

Full-time counts generally exclude faculty who are employed to teach fewer than two semesters, three quarters, two trimesters, or two four-month sessions; replacements for faculty on sabbatical leave or leave without pay; faculty for preclinical and clinical medicine; faculty who are donating their services; faculty who are members of military organizations and paid on a different pay scale from civilian employees; academic officers, whose primary duties are administrative; and graduate students who assist in the instruction of courses. Please be sure the number reported, and the basis for counting, are consistent with those for 2004-05 (unless in previous years faculty were counted who should have been excluded according to the above definition). Please footnote any discrepancies.

**Questions 39-42. Enrollment.** U.S. libraries should use the Fall 2005 enrollment figures reported to the Department of Education on the Integrated Postsecondary Education Data System survey. Please check these figures against the enrollment figures reported to ARL last year to ensure consistency and accuracy. **Note:** In the past, the number of part-time students reported was FTE; the number now reported to IPEDS is a head count of part-time students. Canadian libraries should note that the category "graduate students" as reported here includes all post-baccalaureate students.

#### FOOTNOTES

Please consult the printed copy of the *ARL Statistics 2004-05* for a copy of last year's footnotes. A pdf version is available at: <http://www.arl.org/stats/arlstat/>. Explanatory footnotes will be included with the published statistics. Reporting libraries are urged to record in the footnote section any information that would clarify the figures submitted, e.g., the inclusion and exclusion of branch campus libraries (see the "General Instructions" for definition of branch campus libraries). Please make an effort to word your footnotes in a manner consistent with notes appearing in the published report, so that the ARL Office can interpret your footnotes correctly.

Submit the completed questionnaire by **January 30, 2006.**

For assistance, please e-mail Martha Kyrillidou ([martha@arl.org](mailto:martha@arl.org)) or Mark Young ([stats-ra@arl.org](mailto:stats-ra@arl.org))

**TEL. (202) 296-2296.**



## FOOTNOTES TO THE ARL ACADEMIC HEALTH SCIENCES LIBRARY STATISTICS 2005-06

Footnotes may also include errata and corrections to data not previously reported from prior years. Numbers in parentheses refer to columns in Library Data Tables and to Questionnaire numbers.

### QUESTION

#### NUMBER FOOTNOTE

#### ALABAMA

- 11 Decrease due to withdrawal of slide sets.
- 15.d Includes memberships.
- 19 Includes bibliographic utilities and literature searching.

#### ARIZONA

- 4a-b Unable to distinguish total serials received into purchased (4a) and non-purchased (4b).
- 26.a From AAHSL survey: Q31 plus Q31a.
- 26.b From AAHSL survey: Q32 plus Q32a plus Q33 plus Q33a.
- 26.c From AAHSL survey: Q34 plus Q34a.
- 27 Information services desk, Loan desk, Copy Technologies counter, Learning Resource Center desk.
- 32, 33 Does NOT include in-house use.

#### CALIFORNIA, DAVIS

- 1.b Increase due to purchases and gifts, an increased number of binding units received, and with a reduced number of withdrawals.
- 1.b.i One-time funding was received to augment the collections for the new Blaisdell Medical Library, to accommodate the medical school curriculum moving to the Sacramento campus. Additionally, gift collections were received to be housed in the medical library.
- 2 Increase due to titles purchased to augment the Blaisdell Medical Library collection, in anticipation of medical curriculum moving to the Sacramento Campus.
- 4.a New titles have been added from the shared electronic serials as a result of additions to CDL journal packages.
- 4.b Records for ceased titles were closed, and also some gift and exchange records were closed.
- 15 Actual expenditures for 2004-05 were \$1,310,582, as there were serial prepayments recorded in fiscal year 2003-04 in the amount of \$539,058 not reflected in 2004-05. In addition there was an increase of 66% for electronic continuations in 2005-06.
- 15.b Actual costs in 2004-05 for serials were \$959,045 due to a prepayment of \$539,058 in 2003-04 for materials received in 2004-05.
- 15.c There was a 66% increase in the cost of electronic continuations for 2005-06.
- 16 Increase due to journals requiring LC binding, which is more expensive.
- 17.a-b There was a reorganization and consolidation in the unit during this period, which is attributable for the drop in FTE.
- 19 Other operating expenditures have decreased as a direct result of the drop in costs for Copyright Clearance Costs of 77% from the 2004-05 year.
- 20 Total operating costs for the 2004-05 year were actually \$2,832,131, as the prepayment for serials made in 2003-04 was not reflected in the total.
- 21 There was a 66% increase in the cost of electronic continuations for 2005-06.
- 25 There was a drop of 77% in Copyright Clearance Costs from 2004-2005.

## QUESTION

### NUMBER FOOTNOTE

- 26.b There was a reorganization of the unit, due to retirements, that resulted in a consolidation of services and thus a drop in FTE.
- 29 There were fewer requests for instructional services during 2005-06.
- 32 Due to the construction in the areas around both libraries, library patrons maximized their visits to the library, thus raising the number of initial circulations.
- 34 The drop in lending is attributed to greater availability of resources at other libraries due to open access for electronic journals.

#### **CALIFORNIA, IRVINE**

Volumes held June 30, 2005 revised to 299,398.

- 4 Increase due to increased collections and from corrections to 2004-05 data.

#### **CALIFORNIA, SAN DIEGO**

Unless otherwise noted, all answers include both the UCSD Biomedical Library and the UCSD Medical Center Library.

- 1.b.ii Extensive weeding project because the library was returning to a space that had undergone a 2 year renovation.
- 2 Includes 565 e-books.
- 3 The print monographic volume count is physical; the e-book count is bibliographic.
- 4.a Includes monographic and publishers series. Includes all formats. Includes electronic databases subscribed to annually.
- 15.b Includes monographs and publisher series as well as all formats and electronic databases with annual subscriptions.
- 15.c Figure was deducted from serials. The expense is Auto Digest and Journal Citation Reports microfiche.
- 23.b Figure is an estimate, using the percentage of the total library budget for BML/MCL/Pharmacy x CDL (California Digital Library) support.

#### **CASE WESTERN RESERVE**

- 2 In addition to the number of monographic volumes purchased (211), the medical library has access to an additional 363 e-books that are reported with the Main Library's data.
- 4.b 2004-05 figure included consortia e-journals that were reported in the main library statistics. 2005-06 figure includes 4,465 e-journals that are reported in the main library's statistics.

#### **CHICAGO**

John Crerar Library is a central science library with a biomedical collection for health sciences. Many numbers are percentages as a result. Data for the ARL survey are matched as closely as possible to data compiled and reported for the Association of Academic Health Sciences Libraries' (AAHSL) Annual Statistics of Medical School Libraries in the United States and Canada.

- 13 Past figures probably reflected non-health science videos.
- 15.b Figure includes non-biomedical content in 2005-06, leading to an increase in this figure.
- 15.c Database expenditures previously reported here are now included in Serials Expenditures (15b).
- 16 This represents a decrease in both the receipts of print copies of journal issues, and the resulting drop in binding of these issues.
- 17 Figure represents expenditures for all science library staff, not just health sciences-related percentages which were reported in previous years.
- 24 Figure was calculated as a percentage of overall library expenditures, in consultation with a library IT manager.

## QUESTION

### NUMBER FOOTNOTE

- 25, 34, 35 Better reporting was available for interlibrary loan operations than in previous years, with the more exact percentage of traffic for biomedical requests being somewhat lower than the estimated proportion used in previous years (current percentage of request is 15%).
- 26 Figures represent FTEs for all science library staff, not just health sciences-related percentages which were reported in previous years.
- 29 Increase is the result of adding a professional librarian, whose primary responsibility is teaching and outreach.
- 31 Since reference transactions calculations are based on two-week samples, only the variation is probably an artifact of this sampling.

## **COLUMBIA**

- 11 Figure reflects inclusion of the Wilcox Collection.

## **CORNELL**

Volumes held June 30, 2005 revised to 181,066.

## **DARTMOUTH**

- 1.b.i E-book totals could not be disaggregated from the library-wide total.
- 4.a Includes 546 e-journals; there are many more, but we have no way of attributing specific journals in packages to specific libraries.
- 23.a We have decided to opt out of this question, feeling it is too poorly defined to provide a meaningful basis of comparison between libraries.
- 25 In 2005-06, accounting was revised to capture all ILL and document delivery transactions, which have been consistently underreported in the past.

## **DUKE**

- 25 The Medical Center Library reported an increase of expenditures in this area.

## **EMORY**

- 13 Figure also includes audio.

## **FLORIDA**

Volumes held June 30, 2005 revised to 351,997.

## **FLORIDA STATE**

- 28 Figure could not be disaggregated from the main library data.

## **GEORGE WASHINGTON**

Volumes held June 30, 2005 revised to 130,615.

- 22 Collection became primarily electronic in 2005-06.

## **GEORGETOWN**

- 1.b.ii Figure reflects a transition to primarily electronic library holdings.

## **HARVARD**

Volumes held June 30, 2005 revised to 694,701.

- 1 Change reflects growth of electronic resources.
- 15 Reduced expenditures for monographs and serials, as well as increases in Other Library Materials (15c), reflect an emphasis on electronic research resources.
- 16 Increase is due to activity deferred from 2004-05.

## QUESTION

### NUMBER FOOTNOTE

17, 26 Figures reflect a reduction in staff in 2004-05 as a result of reorganization. Staffing additions are anticipated in 2006-07 and 2007-08.

26 Figure reflects transitional staffing patterns.

33, 34 Decrease is due to modifications in services and collections.

## **HOWARD**

Volumes held June 30, 2005 revised to 133,102.

24 Figure reflects more computer hardware purchased.

## **ILLINOIS, CHICAGO**

Volumes held June 30, 2005 revised to 702,181.

4.a Unable to differentiate between serials purchased and serials received but not purchased.

## **INDIANA**

Volumes held June 30, 2005 revised to 269,920.

## **IOWA**

1.b A large number of government publications were added and withdrawn in 2004-05.

8 The increase is due to those files that come with monographs.

15.a Ordering books due to increase in serials prices.

21 Excludes the cost of computer files that come with monographs. That cost is listed in the total for monographs (15a). The decrease in this figure reflects what was actually spent on one-time purchases.

24 Hardware and software are purchased in bundles; not always possible to separate expenses.

## **KANSAS**

2, 15a A large chunk of monograph money was reallocated to cover journal expenditures for 2005-06.

4 Figures reflect better record-keeping. More accurate electronic journal numbers were derived from Serials Solutions.

17.c A decision was made to reduce reliance on student assistants by having full time staff cover some weekend and evening shifts.

28 Considerably expanded hours at student request.

29 Organized instruction did not take place in 2005-06; focused on informal instruction instead.

31 These stats do not appear to have been kept.

32 Reserves were 11,438 for 2005-06.

## **LOUISIANA STATE**

17.a Decrease due to the retirement of long-term head of library, and hiring of new head with lower salary.

## **McMASTER**

15.c Health Sciences Library purchased journal backfiles due to building renovations.

## **MIAMI**

4 In prior years serials received included print serials only; in 2005-06 serials received includes both print and electronic serials.

13 All computer files (8) and audiovisual materials (10 - 13) are included here.

15.b In prior years medical library expenditures included only print titles; current year medical library expenditures

**QUESTION**

**NUMBER FOOTNOTE**

include both print and electronic serials titles.

15.c In prior years this figure included expenditures for electronic serials; expenditures for serials in 2005-06 are included in (15b).

17.a Excludes medical library director's salary.

**MINNESOTA**

Beginning in 2005-06, all figures reported for Health Sciences Libraries include the Veterinary Medical Library. Volumes held June 30, 2005 revised to 570,820 to reflect inclusion of the Veterinary Medical Library.

4 Count does not include electronic serials included as part of aggregator packages. These are counted in main library statistics.

15.b-c Apparent increase from 2004-05 is partly due to incorrect reporting; 2004-05 figures revised to (15b) \$1,869,621; (15c) \$147,774.

16 Apparent significant decrease from 2004-05 is partly due to incorrect reporting; 2004-05 figure revised to \$70,289.

22 Increase from 2004-05 is partly due to incorrect reporting; 2004-05 figure revised to \$1,106,236.

**MONTREAL**

Volumes held at May 31, 2005 revised to 329,875 in order to correct past miscalculations.

**NEW MEXICO**

8, 12, 13 Previously counted volumes; now counting titles.

**NEW YORK**

28 Figure is for Medical Library. Dental Library reports 76 weekly public service hours.

**OHIO STATE**

23.b OhioLINK funds are provided for the entire university and are not broken down by individual library.

**PENNSYLVANIA**

4 The Medical Library completed a two-year project to eliminate most of its print journal subscriptions in favor of electronic formats.

**QUEEN'S**

1 All statistics unless otherwise stated are as of April 30, 2006.

26a, 26b Figures are as of November 2005.

**ROCHESTER**

4 Faced with fixed or declining budgets, print subscriptions are cancelled in favor of electronic whenever possible.

**SASKATCHEWAN**

15.b Includes \$925,404 in provincial funding.

15.c Included in (15a).

**SUNY-STONY BROOK**

15.a 2004-05 figure included a proforma.

**TEMPLE**

15.d Figure reflects Dialog Services.

**TENNESSEE**

Volumes held June 30, 2005 revised to 217,730 due to change in counting method.



**QUESTION**  
**NUMBER FOOTNOTE**

**TEXAS TECH**

All figures are as of August 31, 2006.

- 15.d HSC figure includes: Amigos (\$15,516); Amigos eReserve (\$7,205); Amigos FirstSearch (\$660); Cybertools (\$26,340); ERIC Online (\$1,800); ExamMaster (\$2,000); First Consult (\$5,000); Gold Rush (\$3,600); Images MD (\$1,429); Info POEMS (\$6,138); Journal Citation Reports (\$4,227); MD Consult (\$89,729); Natural Medicines (\$1,416); OT Search (\$995); OVID (\$41,716); RefShare (\$583); TexShare (\$2,500); Databases/EbBSCO-Dyna Med (\$10,000).

**TULANE**

Volumes held June 30, 2005 revised to 155,649, reflecting the first accurate count since Hurricane Katrina.

- 26.a Includes 8 FTE from between July 1, 2005 and December 31, 2005; Includes 6 FTE from between January 1, 2006 and June 30, 2006.
- 26.b 12 FTE from July 1, 2005 to December 31 2005; 8 FTE from January 1 2006 to June 30, 2006.

**VANDERBILT**

- 15.c Some expenditures included here were previously reported under Miscellaneous (15d).
- 21 Over \$300,000 spent in purchase of electronic journal backfiles.

**VIRGINIA**

- 1.b.ii, 17c, 26c Health Sciences did a major weeding project in 2005-06, which affects all of these figures.

**WASHINGTON**

- 26.a Includes librarians and "professional staff" category.
- 26.b No longer includes anyone from the "professional staff" category.

**WASHINGTON U.-ST. LOUIS**

- 1.a Does not include e-books.
- 8 Includes CDs, DVDs and e-books.
- 11 Represents number of slide sets rather than physical units previously reported.
- 19 Includes fringe benefits charged to library budget.

**YALE**

Volumes held June 30, 2005 revised to 450,792.

**APPENDIX: ARL MEMBER LIBRARIES AS OF JUNE 1, 2007**

<u>Institution</u>	<u>Category</u>	<u>Full Name of Institution</u>	<u>Location</u>
Alabama	S	University of Alabama	Tuscaloosa, Alabama
Alberta	C	University of Alberta	Edmonton, Alberta
Arizona	S	University of Arizona	Tucson, Arizona
Arizona State	S	Arizona State University	Tempe, Arizona
Auburn	S	Auburn University	Auburn, Alabama
Boston	P	Boston University	Boston, Massachusetts
Boston College	P	Boston College	Boston, Massachusetts
Brigham Young	P	Brigham Young University	Provo, Utah
British Columbia	C	University of British Columbia	Vancouver, British Columbia
Brown	P	Brown University	Providence, Rhode Island
Berkeley, California	S	University of California, Berkeley	California, Berkeley
California, Davis	S	University of California, Davis	Davis, California
California, Irvine	S	University of California, Irvine	Irvine, California
California, Los Angeles	S	University of California, Los Angeles	Los Angeles, California
California, Riverside	S	University of California, Riverside	Riverside, California
California, San Diego	S	University of California, San Diego	La Jolla, California
California, Santa Barbara	S	University of California, Santa Barbara	Santa Barbara, California
Case Western Reserve	P	Case Western Reserve University	Cleveland, Ohio
Chicago	P	University of Chicago	Chicago, Illinois
Cincinnati	S	University of Cincinnati	Cincinnati, Ohio
Colorado	S	University of Colorado	Boulder, Colorado
Colorado State	S	Colorado State University	Fort Collins, Colorado
Columbia	P	Columbia University	New York, New York
Connecticut	S	University of Connecticut	Storrs, Connecticut
Cornell	P	Cornell University	Ithaca, New York
Dartmouth	P	Dartmouth College	Hanover, New Hampshire
Delaware	S	University of Delaware	Newark, Delaware
Duke	P	Duke University	Durham, North Carolina
Emory	P	Emory University	Atlanta, Georgia
Florida	S	University of Florida	Gainesville, Florida
Florida State	S	Florida State University	Tallahassee, Florida
George Washington	P	George Washington University	Washington, D.C.
Georgetown	P	Georgetown University	Washington, D.C.
Georgia	S	University of Georgia	Athens, Georgia
Georgia Tech	S	Georgia Institute of Technology	Atlanta, Georgia
Guelph	C	University of Guelph	Guelph, Ontario
Harvard	P	Harvard University	Cambridge, Massachusetts
Hawaii	S	University of Hawaii	Honolulu, Hawaii
Houston	S	University of Houston	Houston, Texas
Howard	P	Howard University	Washington, D.C.
Illinois, Chicago	S	University of Illinois at Chicago	Chicago, Illinois
Illinois, Urbana	S	University of Illinois at Urbana	Urbana, Illinois
Indiana	S	Indiana University	Bloomington, Indiana
Iowa	S	University of Iowa	Iowa City, Iowa
Iowa State	S	Iowa State University	Ames, Iowa
Johns Hopkins	P	Johns Hopkins University	Baltimore, Maryland
Kansas	S	University of Kansas	Lawrence, Kansas
Kent State	S	Kent State University	Kent, Ohio
Kentucky	S	University of Kentucky	Lexington, Kentucky
Laval	C	Laval University	Quebec, Quebec
Louisiana State	S	Louisiana State University	Baton Rouge, Louisiana
Louisville	S	University of Louisville	Louisville, Kentucky
McGill	C	McGill University	Montreal, Quebec
McMaster	C	McMaster University	Hamilton, Ontario
Manitoba	C	University of Manitoba	Winnipeg, Manitoba
Maryland	S	University of Maryland	College Park, Maryland
Massachusetts	S	University of Massachusetts	Amherst, Massachusetts
MIT	P	Massachusetts Institute of Technology	Cambridge, Massachusetts
Miami	P	University of Miami	Coral Gables, Florida
Michigan	S	University of Michigan	Ann Arbor, Michigan
Michigan State	S	Michigan State University	East Lansing, Michigan
Minnesota	S	University of Minnesota	Minneapolis, Minnesota

S: U.S. public univ.; P: U.S. private univ.; N: U.S. non-univ.; C: Canadian univ.; X: Canadian non-univ.

<b><u>Institution</u></b>	<b><u>Category</u></b>	<b><u>Full Name of Institution</u></b>	<b><u>Location</u></b>
Missouri	S	University of Missouri	Columbia, Missouri
Montreal	C	University of Montreal	Montreal, Quebec
Nebraska	S	University of Nebraska-Lincoln	Lincoln, Nebraska
New Mexico	S	University of New Mexico	Albuquerque, New Mexico
New York	P	New York University	New York, New York
North Carolina	S	University of North Carolina	Chapel Hill, North Carolina
North Carolina State	S	North Carolina State University	Raleigh, North Carolina
Northwestern	P	Northwestern University	Evanston, Illinois
Notre Dame	P	University of Notre Dame	Notre Dame, Indiana
Ohio	S	Ohio University	Athens, Ohio
Ohio State	S	Ohio State University	Columbus, Ohio
Oklahoma	S	University of Oklahoma	Norman, Oklahoma
Oklahoma State	S	Oklahoma State University	Stillwater, Oklahoma
Oregon	S	University of Oregon	Eugene, Oregon
Pennsylvania	P	University of Pennsylvania	Philadelphia, Pennsylvania
Pennsylvania State	S	Pennsylvania State University	University Park, Pennsylvania
Pittsburgh	S	University of Pittsburgh	Pittsburgh, Pennsylvania
Princeton	P	Princeton University	Princeton, New Jersey
Purdue	S	Purdue University	West Lafayette, Indiana
Queen's	C	Queen's University	Kingston, Ontario
Rice	P	Rice University	Houston, Texas
Rochester	P	University of Rochester	Rochester, New York
Rutgers	S	Rutgers University	New Brunswick, New Jersey
Saskatchewan	C	University of Saskatchewan	Saskatoon, Saskatchewan
South Carolina	S	University of South Carolina	Columbia, South Carolina
Southern California	P	University of Southern California	Los Angeles, California
Southern Illinois	S	Southern Illinois University	Carbondale, Illinois
SUNY-Albany	S	University at Albany, State University of New York	Albany, New York
SUNY-Buffalo	S	University at Buffalo, State University of New York	Buffalo, New York
SUNY-Stony Brook	S	State University of New York at Stony Brook	Stony Brook, New York
Syracuse	P	Syracuse University	Syracuse, New York
Temple	S	Temple University	Philadelphia, Pennsylvania
Tennessee	S	University of Tennessee	Knoxville, Tennessee
Texas	S	University of Texas	Austin, Texas
Texas A&M	S	Texas A&M University	College Station, Texas
Texas Tech	S	Texas Tech University	Lubbock, Texas
Toronto	C	University of Toronto	Toronto, Ontario
Tulane	P	Tulane University	New Orleans, Louisiana
Utah	S	University of Utah	Salt Lake City, Utah
Vanderbilt	P	Vanderbilt University	Nashville, Tennessee
Virginia	S	University of Virginia	Charlottesville, Virginia
Virginia Tech	S	Virginia Polytechnic Institute & State University	Blacksburg, Virginia
Washington	S	University of Washington	Seattle, Washington
Washington State	S	Washington State University	Pullman, Washington
Washington U.-St. Louis	P	Washington University	St. Louis, Missouri
Waterloo	C	University of Waterloo	Waterloo, Ontario
Wayne State	S	Wayne State University	Detroit, Michigan
Western Ontario	C	University of Western Ontario	London, Ontario
Wisconsin	S	University of Wisconsin	Madison, Wisconsin
Yale	P	Yale University	New Haven, Connecticut
York	C	York University	North York, Ontario
Boston Public Library	N	Boston Public Library	Boston, Massachusetts
Canada Inst. SciTech Info.	X	Canada Inst. for Scientific & Technical Information	Ottawa, Ontario
Center for Research Libs.	N	Center for Research Libraries	Chicago, Illinois
Library of Congress	N	Library of Congress	Washington, D.C.
Natl. Agricultural Lib.	N	National Agricultural Library	Beltsville, Maryland
Natl. Library of Canada	X	National Library of Canada	Ottawa, Ontario
Natl. Library of Medicine	N	National Library of Medicine	Bethesda, Maryland
New York Public Library	N	New York Public Library	New York, New York
New York State Library	N	New York State Library	Albany, New York
Smithsonian Institution	N	Smithsonian Institution	Washington, D.C.

S: U.S. public univ.; P: U.S. private univ.; N: U.S. non-univ.; C: Canadian univ.; X: Canadian non-univ.