REVENUES AND EXPENDITURES:

PEER AND BENCHMARK COMPARISONS

UNIVERSITY OF HAWAIʻI AT MĀNOA

FISCAL YEAR 1997-98

Institutional Research Office

University of Hawaiʻi

September 2001

File Reference: Management and Planning Support Folder, Finance

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University of Hawai‘i at Mānoa
Benchmark and Peer Group Comparisons, FY 1997-98

Figure 1
Revenues per FTE Student

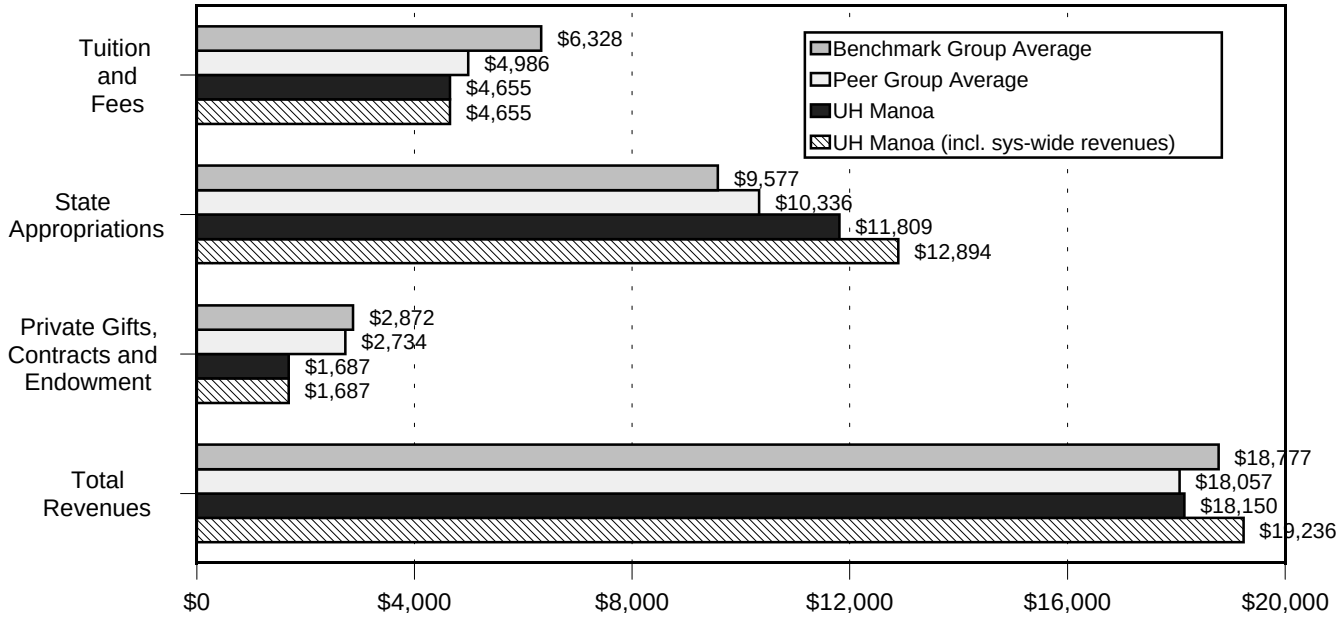


Figure 2
Expenditures per FTE Student

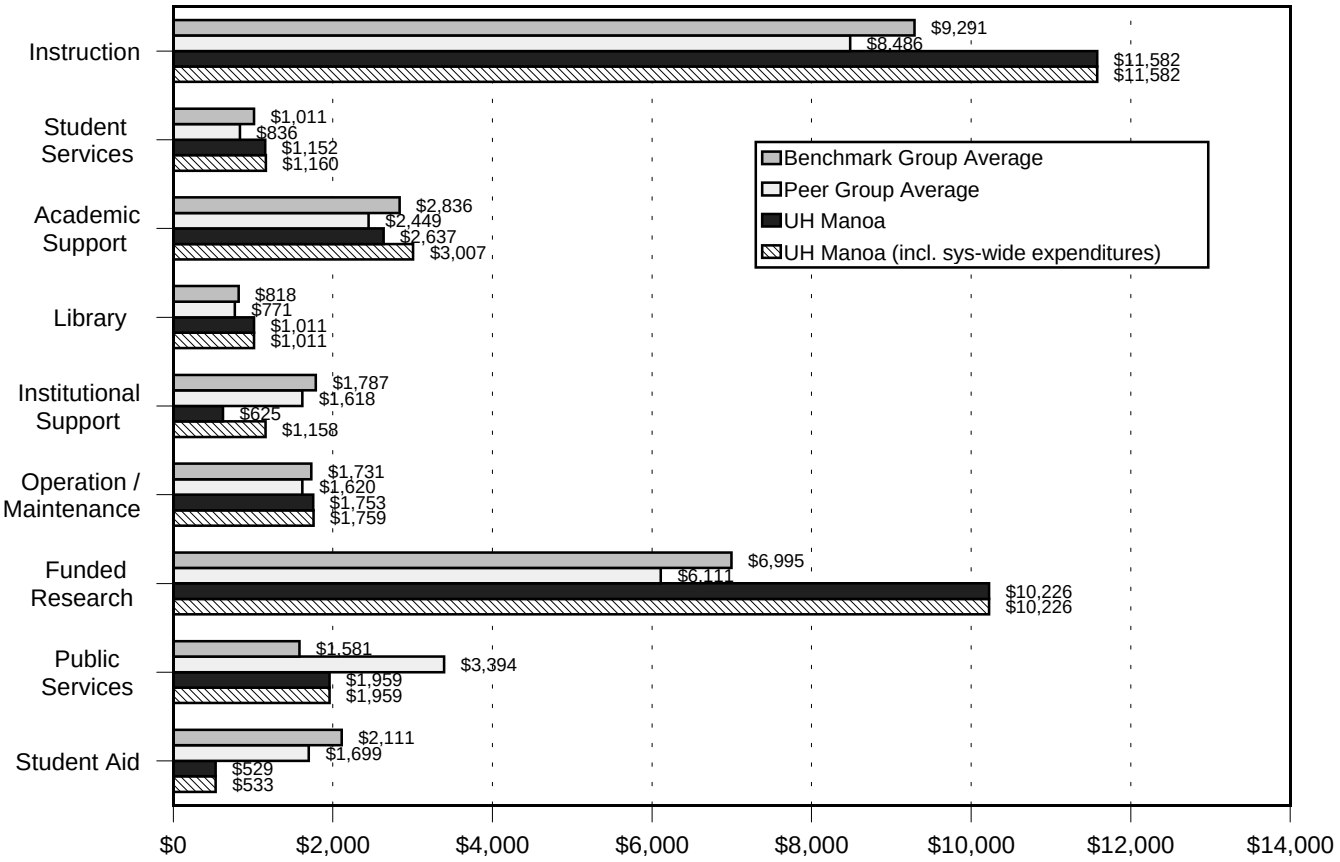


Figure 3
Percent Distribution of Revenues Per FTE Student

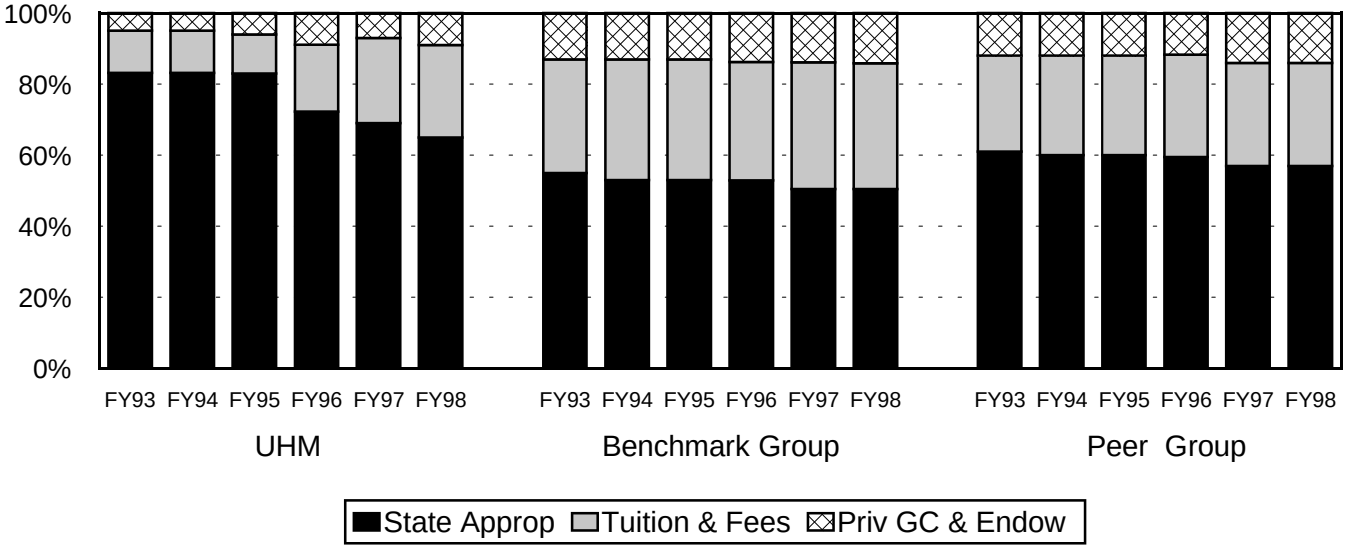
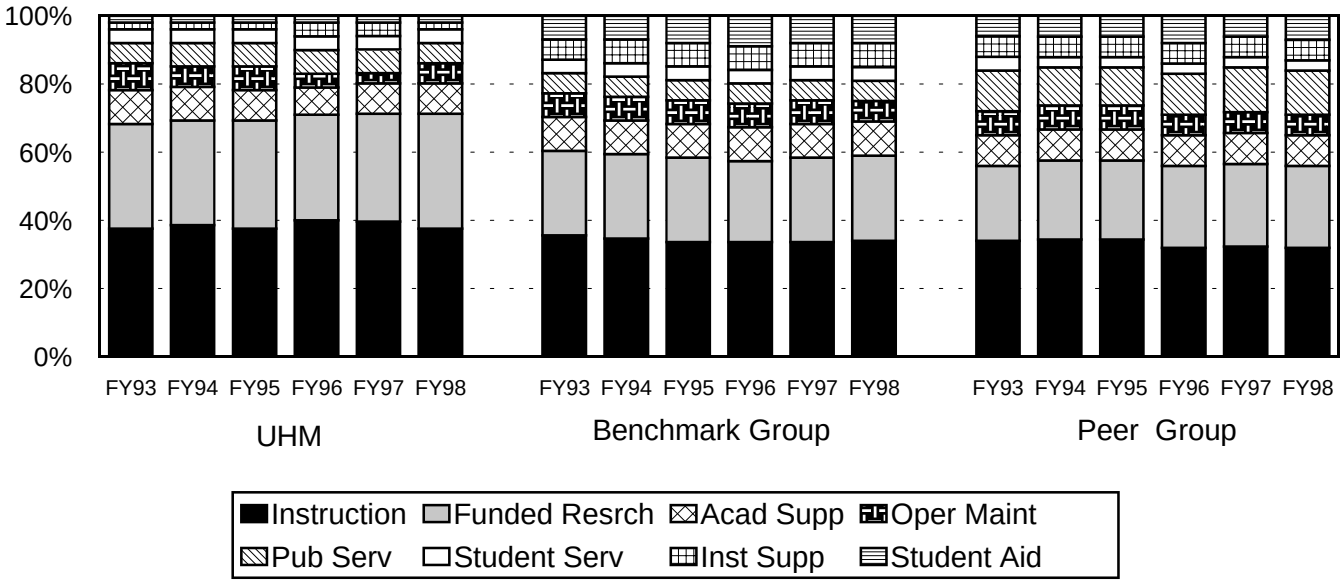


Figure 4
Percent Distribution of Expenditures Per FTE Student



University of Hawai‘i at Mānoa
Benchmark and Peer Group Comparisons
Fiscal Years 1992-93 to 1997-98

Figure 5
UH Manoa

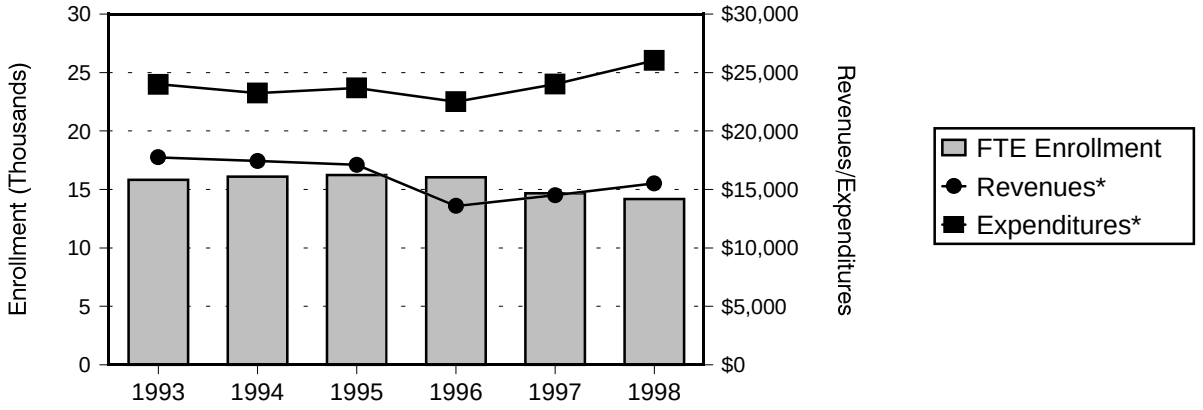


Figure 6
Benchmark Group Average

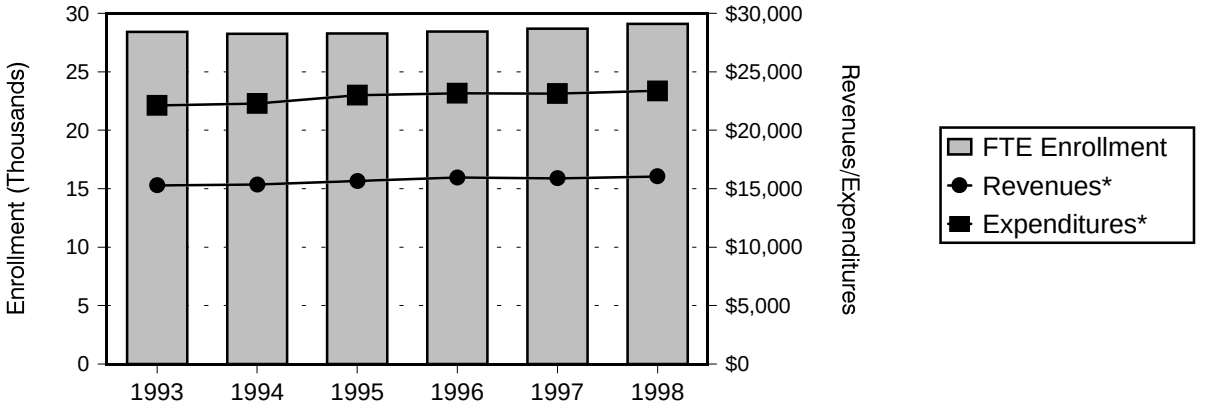
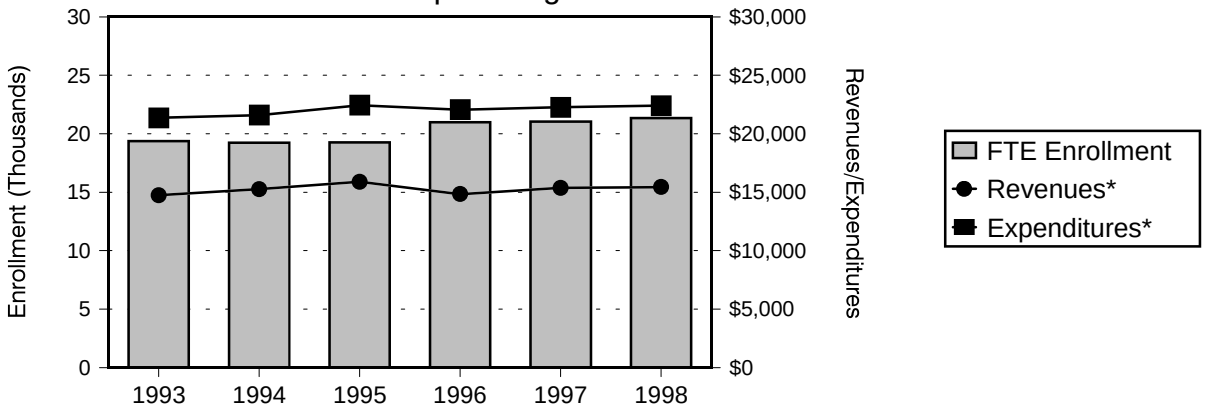


Figure 7
Peer Group Average



* Total revenues per FTE student and total expenditures per FTE student in constant FY93 dollars.

TABLE 1A
UNIVERSITY OF HAWAI'I AT MANOA
BENCHMARK AND PEER GROUP COMPARISONS
FISCAL YEAR 1992-93 TO 1997-98
CURRENT DOLLARS

Year	FTE ENROLLMENT			REVENUES PER FTE STUDENT					EXPENDITURES PER FTE STUDENT											
	Number	% Chnge	% Grads	Tuition 1/ & Fees	State Approp	Priv GC & Endow	TOTAL REV 1/	% Chnge	Instruc-tion	Student Ser	Acad Sup 2/	Library 2/	Inst Supprt	Oper Maint	FULL INSTR 3/	Funded Resrch	Pub Ser	Student Aid	TOTAL EXP	% Chnge
UH Manoa																				
1992-93	15,818		33	2,054	14,844	851	17,749		9,122	970	2,285	870	448	1,824	11,956	7,436	1,542	373	24,000	
1993-94	16,104	1.8	27	2,088	15,051	886	18,024	1.6	9,262	1,033	2,289	302	398	1,141	11,191	7,563	1,655	389	24,030	0.1
1994-95	16,225	0.8	27	1,972	15,205	1,034	18,211	1.0	9,627	1,012	2,270	248	436	1,670	11,594	7,953	1,840	402	25,210	4.9
1995-96	16,046	-1.1	26	2,765	10,869	1,269	14,903	-18.2	9,801	1,006	2,072	708	1,073	970	11,628	7,620	1,745	414	24,701	-2.0
1996-97	14,670	-8.6	25	3,905	11,322	1,160	16,387	10.0	10,729	1,120	2,320	822	1,187	850	12,290	8,584	1,856	486	27,132	9.8
1997-98	14,173	-3.4	31	4,655	11,809	1,687	18,150	10.8	11,582	1,152	2,637	1,011	625	1,753	15,297	10,226	1,959	529	30,463	12.3
% Change FY 93 to 98		-10.4						2.3												26.9
UH Manoa (Including Systemwide)																				
1992-93	15,818		33	2,054	15,978	901	18,933		9,122	978	2,537	870	922	1,824	12,688	7,443	1,542	373	24,741	
1993-94	16,104	1.8	27	2,088	16,416	904	19,408	2.5	9,262	1,043	2,555	302	871	1,441	12,405	7,566	1,655	389	24,782	0.2
1994-95	16,225	0.8	27	1,972	16,373	1,040	19,385	-0.1	9,627	1,020	2,544	248	1,066	1,670	12,989	7,954	1,840	402	26,123	5.4
1995-96	16,046	-1.1	26	2,765	11,795	1,277	15,837	-18.3	9,801	1,016	2,419	708	1,926	970	12,782	7,621	1,771	414	25,938	-0.7
1996-97 4/	14,670	-8.6	25	3,905	12,425	1,188	17,518	10.6	10,781	1,130	2,694	822	2,190	850	13,642	8,584	1,856	486	28,571	10.2
1997-98	14,173	-3.4	31	4,655	12,894	1,687	19,236	9.8	11,582	1,160	3,007	1,011	1,158	1,759	15,770	10,226	1,959	533	31,384	9.9
% Change FY 93 to 98		-10.4						1.6												26.9
Benchmark Group Average																				
1992-93	28,401		27	4,624	8,491	2,160	15,275		7,732	808	2,222	679	1,349	1,497	11,524	5,715	1,231	1,578	22,131	
1993-94	28,251	0.0	25	5,078	8,570	2,225	15,872	3.9	7,891	842	2,297	692	1,493	1,551	10,850	5,964	1,326	1,674	23,040	4.1
1994-95	28,276	0.1	25	5,477	8,901	2,290	16,668	5.0	8,264	921	2,450	753	1,611	1,586	11,412	6,313	1,417	1,917	24,480	6.3
1995-96 5/	28,438	0.6	24	5,773	8,923	2,502	17,500	5.0	8,557	940	2,564	782	1,658	1,657	11,882	6,408	1,438	2,191	25,413	3.8
1996-97	28,700	0.9	24	6,090	9,208	2,650	17,947	2.6	8,853	971	2,713	801	1,686	1,730	12,180	6,662	1,530	1,996	26,142	2.9
1997-98	29,097	1.4	27	6,328	9,577	2,872	18,777	4.6	9,291	1,011	2,836	818	1,787	1,731	13,828	6,995	1,581	2,111	27,344	4.6
% Change FY 93 to 98		2.5						22.9												23.6
Peer Group Average																				
1992-93	19,366		27	3,795	9,115	1,819	14,730		7,348	698	1,871	614	1,325	1,524	10,552	4,775	2,604	1,216	21,361	
1993-94	19,221	-0.8	23	4,185	9,592	1,997	15,774	7.1	7,757	746	1,957	643	1,367	1,648	10,084	5,189	2,374	1,285	22,324	4.5
1994-95	19,263	0.2	23	4,529	10,194	2,195	16,918	7.3	8,251	792	2,135	706	1,502	1,682	10,751	5,440	2,608	1,483	23,893	7.0
1995-96 5/	20,983	8.9	22	4,967	9,437	2,113	16,264	-3.9	7,796	765	2,108	692	1,499	1,479	10,093	5,769	2,903	1,875	24,194	1.3
1996-97	21,040	0.3	22	4,828	9,983	2,545	17,356	6.7	8,166	788	2,274	718	1,585	1,485	10,356	6,020	3,263	1,575	25,157	4.0
1997-98	21,342	1.4	25	4,986	10,336	2,734	18,057	4.0	8,486	836	2,449	771	1,618	1,620	12,158	6,111	3,394	1,699	26,214	4.2
% Change FY 93 to 98		10.2						22.6												22.7

1/ Tuition revenues for FY92-93 through FY94-95 were returned to the State of Hawai'i general fund, but for comparative purposes are included here in "Tuition Revenue" instead of "Appropriations".

2/ Library is included in Academic Support.

3/ This is the estimated full instructional expenditure, not adjusted by cost of living index (CLI) or higher education wage index (HEWI). Beginning FY97-98, Research Associates developed a new methodology for this measure.

4/ Corrected from previous report.

5/ For FY95-96, tuition and fees data was not available for one institution in the benchmark group and four institutions in the peer group. The institutions were excluded in the calculation of the average total revenues per FTE student for the benchmark and peer groups, therefore, individual revenue items do not sum to the total. Please note that this item was miscalculated in the FY95-96 report and has been corrected in this report.

Note: Peer group was updated effective April 1998 by NCHEMS, therefore, beginning FY 95-96 data are compared against the new peer group.

Source: Research Associates of Washington.

TABLE 1B
UNIVERSITY OF HAWAI'I AT MANOA
BENCHMARK AND PEER GROUP COMPARISONS
FISCAL YEAR 1992-93 TO 1997-98
CONSTANT DOLLARS 1/

Year	FTE ENROLLMENT			REVENUES PER FTE STUDENT					EXPENDITURES PER FTE STUDENT											
	Number	% Chnge	% Grads	Tuition 2/ & Fees	State Approp	Priv GC & Endow	TOTAL REV 1/	% Chnge	Instruc-tion	Student Ser	Acad Sup 3/	Library 3/	Inst Supprt	Oper Maint	FULL INSTR 4/	Funded Resrch	Pub Ser	Student Aid	TOTAL EXP	% Chnge
UH Manoa																				
1992-93	15,818		33	2,054	14,844	851	17,749		9,122	970	2,285	870	448	1,824	11,956	7,436	1,542	373	24,000	
1993-94	16,104	1.8	27	2,019	14,556	857	17,431	-1.8	8,957	999	2,214	292	385	1,103	10,823	7,314	1,601	376	23,240	-3.2
1994-95	16,225	0.8	27	1,852	14,277	971	17,100	-1.9	9,039	950	2,131	233	409	1,568	10,886	7,468	1,728	377	23,671	1.9
1995-96	16,046	-1.1	26	2,521	9,908	1,157	13,585	-20.6	8,934	917	1,889	645	978	884	10,600	6,946	1,591	377	22,517	-4.9
1996-97	14,670	-8.6	25	3,456	10,019	1,027	14,502	6.8	9,495	991	2,053	727	1,050	752	10,876	7,596	1,642	430	24,011	6.6
1997-98	14,173	-3.4	31	3,979	10,093	1,441	15,513	7.0	9,899	985	2,254	864	534	1,499	13,075	8,740	1,674	452	26,037	8.4
% Change FY 93 to 98		-10.4						-12.6												8.5
UH Manoa (Including Systemwide)																				
1992-93	15,818		33	2,054	15,978	901	18,933		9,122	978	2,537	870	922	1,824	12,688	7,443	1,542	373	24,741	
1993-94	16,104	1.8	27	2,019	15,876	874	18,770	-0.9	8,957	1,009	2,471	292	842	1,394	11,997	7,317	1,601	376	23,967	-3.1
1994-95	16,225	0.8	27	1,852	15,374	977	18,202	-3.0	9,039	958	2,389	233	1,001	1,568	12,196	7,469	1,728	377	24,529	2.3
1995-96	16,046	-1.1	26	2,521	10,752	1,164	14,437	-20.7	8,934	926	2,205	645	1,756	884	11,652	6,947	1,614	377	23,644	-3.6
1996-97 5/	14,670	-8.6	25	3,456	10,996	1,051	15,503	7.4	9,541	1,000	2,384	727	1,938	752	12,073	7,596	1,642	430	25,284	6.9
1997-98	14,173	-3.4	31	3,979	11,021	1,442	16,441	6.1	9,899	991	2,570	864	990	1,503	13,479	8,740	1,674	456	26,824	6.1
% Change FY 93 to 98		-10.4						-13.2												8.4
Benchmark Group Average																				
1992-93	28,401		27	4,624	8,491	2,160	15,275		7,732	808	2,222	679	1,349	1,497	11,524	5,715	1,231	1,578	22,131	
1993-94	28,251	-0.5	25	4,911	8,288	2,152	15,350	0.5	7,632	814	2,221	669	1,444	1,500	10,493	5,768	1,282	1,619	22,282	0.7
1994-95	28,276	0.1	25	5,143	8,358	2,150	15,651	2.0	7,760	865	2,300	707	1,513	1,489	10,715	5,928	1,331	1,800	22,986	3.2
1995-96 6/	28,438	0.6	24	5,263	8,134	2,281	15,953	1.9	7,800	857	2,337	713	1,511	1,510	10,831	5,841	1,311	1,997	23,166	0.8
1996-97	28,700	0.9	24	5,389	8,149	2,345	15,882	-0.4	7,835	859	2,401	709	1,492	1,531	10,779	5,896	1,354	1,766	23,135	-0.1
1997-98	29,097	1.4	27	5,409	8,185	2,455	16,049	1.1	7,941	864	2,424	699	1,527	1,479	11,819	5,979	1,351	1,804	23,371	1.0
% Change FY 93 to 98		2.5						5.1												5.6
Peer Group Average																				
1992-93	19,366		27	3,795	9,115	1,819	14,730		7,348	698	1,871	614	1,325	1,524	10,552	4,775	2,604	1,216	21,361	
1993-94	19,221	-0.8	23	4,047	9,277	1,931	15,255	3.6	7,502	721	1,893	622	1,322	1,594	9,752	5,018	2,296	1,243	21,590	1.1
1994-95	19,263	0.2	23	4,253	9,572	2,061	15,885	4.1	7,747	744	2,005	663	1,410	1,579	10,095	5,108	2,449	1,392	22,435	3.9
1995-96 6/	20,983	8.9	22	4,528	8,603	1,926	14,826	-6.7	7,107	697	1,922	631	1,366	1,348	9,201	5,259	2,646	1,709	22,055	-1.7
1996-97	21,040	0.3	22	4,273	8,835	2,252	15,359	3.6	7,227	697	2,012	635	1,403	1,314	9,165	5,327	2,888	1,394	22,263	0.9
1997-98	21,342	1.4	25	4,262	8,834	2,337	15,433	0.5	7,253	715	2,093	659	1,383	1,385	10,391	5,223	2,901	1,452	22,405	0.6
% Change FY 93 to 98		10.2						4.8												4.9

1/ Constant dollars based on inflation measured by the Higher Education Price Index (HEPI). FY 1992-93 = 100.

2/ Tuition revenues for FY92-93 through FY94-95 were returned to the State of Hawai'i general fund, but for comparative purposes are included here in "Tuition Revenue" instead of "Appropriations".

3/ Library is included in Academic Support.

4/ This is the estimated full instructional expenditure, not adjusted by cost of living index (CLI) or higher education wage index (HEWI). Beginning FY97-98, Research Associates developed a new methodology for this measure.

5/ Corrected from previous report.

6/ For FY95-96, tuition and fees data was not available for one institution in the benchmark group and four institutions in the peer group. The institutions were excluded in the calculation of the average total revenues per FTE student for the benchmark and peer groups, therefore, individual revenue items do not sum to the total.

Note: Peer group was updated effective April 1998 by NCHEMS, therefore, beginning FY 95-96 data are compared against the new peer group.

Source: Research Associates of Washington.

TABLE 1C
UNIVERSITY OF HAWAI'I AT MANOA
BENCHMARK AND PEER GROUP COMPARISONS
FISCAL YEAR 1992-93 TO 1997-98
PERCENT DISTRIBUTION

Year	FTE ENROLLMENT		REVENUES PER FTE STUDENT				EXPENDITURES PER FTE STUDENT										
	Number	% Grads	Tuition 1/ & Fees	State Approp	Priv GC & Endow	TOTAL REV 1/	Instruc-tion	Student Ser	Acad Sup 2/	Library 2/	Inst Supprt	Oper Maint	FULL INSTR 3/	Funded Resrch	Pub Ser	Student Aid	TOTAL EXP
UH Manoa																	
1992-93	15,818	33	12	84	5	100%	38	4	10	4	2	8	50	31	6	2	100%
1993-94	16,104	27	12	84	5	100%	39	4	10	1	2	6	47	31	7	2	100%
1994-95	16,225	27	11	83	6	100%	38	4	9	1	2	7	46	32	7	2	100%
1995-96	16,046	26	19	73	9	100%	40	4	8	3	4	4	47	31	7	2	100%
1996-97	14,670	25	24	69	7	100%	40	4	9	3	4	3	45	32	7	2	100%
1997-98	14,173	31	26	65	9	100%	38	4	9	3	2	6	50	34	6	2	100%
UH Manoa (Including Systemwide)																	
1992-93	15,818	33	11	84	5	100%	37	4	10	4	4	7	51	30	6	2	100%
1993-94	16,104	27	11	85	5	100%	37	4	10	1	4	6	50	31	7	2	100%
1994-95	16,225	27	10	84	5	100%	37	4	10	1	4	6	50	30	7	2	100%
1995-96	16,046	26	17	74	8	100%	38	4	9	3	7	4	49	29	7	2	100%
1996-97	14,670	25	22	71	7	100%	38	4	9	3	8	3	48	30	6	2	100%
1997-98	14,173	31	24	67	9	100%	37	4	10	3	4	6	50	33	6	2	100%
Benchmark Group Average																	
1992-93	28,401	27	32	55	13	100%	36	4	10	3	6	7	53	25	6	7	100%
1993-94	28,251	25	34	53	13	100%	35	4	10	3	7	7	49	25	6	7	100%
1994-95	28,276	25	34	53	13	100%	34	4	10	3	7	7	48	25	6	8	100%
1995-96 4/	28,438	24	34	54	14	100%	34	4	10	3	7	7	48	24	6	9	100%
1996-97	28,700	24	36	51	14	100%	34	4	10	3	7	7	48	25	6	8	100%
1997-98	29,097	27	35	50	14	100%	34	4	10	3	7	6	51	25	6	8	100%
Peer Group Average																	
1992-93	19,366	27	27	61	12	100%	34	4	9	3	6	7	50	22	12	6	100%
1993-94	19,221	23	28	60	12	100%	34	3	9	3	6	7	45	23	11	6	100%
1994-95	19,263	23	28	60	12	100%	34	3	9	3	6	7	45	23	11	6	100%
1995-96 4/	20,983	22	32	66	13	100%	32	3	9	3	6	6	42	24	12	8	100%
1996-97	21,040	22	29	57	14	100%	32	3	9	3	6	6	41	24	13	6	100%
1997-98	21,342	25	29	57	14	100%	32	3	9	3	6	6	46	24	13	7	100%

1/ Tuition revenues for FY92-93 through FY94-95 were returned to the State of Hawai'i general fund, but for comparative purposes are included here in "Tuition Revenue" instead of "Appropri

2/ Library is included in Academic Support.

3/ This is the estimated full instructional expenditure, not adjusted by cost of living index (CLI) or higher education wage index (HEWI). Beginning FY97-98, Research Associates developed a new methodology for this measure.

4/ For FY95-96, tuition and fees data was not available for one institution in the benchmark group and four institutions in the peer group. Percent distribution of revenue source (per FTE stude not calculated for these institutions. Please note that these items were miscalculated in the FY95-96 report and has been corrected in this report.

Note: Peer group was updated effective April 1998 by NCHEMS, therefore, beginning FY 95-96 data are compared against the new peer group.

Source: Research Associates of Washington.

TABLE 1D
UNIVERSITY OF HAWAI'I AT MANOA RANKINGS
BENCHMARK AND PEER GROUP COMPARISONS
FISCAL YEAR 1992-93 TO 1997-98

Year	Number of Schools in Group	ENROLLMENT		REVENUES PER FTE STUDENT				EXPENDITURES PER FTE STUDENT										
		FTE	% Grads	Tuition 1/ & Fees	State Approp	Priv GC & Endow	TOTAL REV 1/	Instruc-tion	Student Ser	Acad Sup 2/	Library 2/	Inst Supprt	Oper Maint	FULL INSTR 3/	Funded Resrch	Pub Ser	Student Aid	TOTAL EXP
UH Manoa Ranking in BENCHMARK GROUP																		
1992-93	19	18	3	19	1	17	6	6	7	8	3	19	5	8	6	7	19	8
1993-94	19	18	7	19	1	17	8	6	7	8	19	19	12	8	6	7	19	8
1994-95	19	18	7	19	1	17	7	6	7	8	19	19	8	8	8	7	19	8
1995-96	19	18	9	17	6	15	16	6	8	10	12	16	17	8	8	7	19	9
1996-97	19	19	9	18	7	16	13	5	6	9	9	15	17	8	6	8	19	8
1997-98	19	19	5	18	7	13	9	3	7	9	5	19	10	7	4	8	19	8
(Including Systemwide)																		
1992-93	19	18	3	19	1	16	4	6	7	7	3	16	5	7	6	7	19	8
1993-94	19	18	7	19	1	17	3	6	7	8	19	17	12	7	6	7	19	8
1994-95	19	18	7	19	1	17	6	6	7	7	19	16	8	7	8	7	19	8
1995-96	19	18	9	17	4	15	11	6	8	8	12	6	17	7	8	7	19	9
1996-97	19	19	9	18	3	16	9	5	6	8	9	6	17	7	6	8	19	8
1997-98	19	19	5	18	3	13	8	3	7	7	5	15	10	6	4	8	19	7
UH Manoa Ranking in PEER GROUP																		
1992-93	11	9	4	11	1	10	3	3	3	3	2	11	3	5	2	7	11	3
1993-94	11	9	4	11	1	10	4	4	3	3	11	11	5	5	2	7	11	4
1994-95	11	9	4	11	1	10	6	4	3	3	10	11	5	5	2	7	11	3
1995-96 4/	13	12	3	9	5	9	6	3	3	5	5	11	12	4	3	9	13	7
1996-97	13	12	3	9	5	10	7	2	2	5	4	10	13	4	1	9	13	5
1997-98	13	12	3	7	5	8	6	2	3	5	3	13	5	3	1	9	13	4
(Including Systemwide)																		
1992-93	11	9	4	11	1	10	2	3	3	3	2	9	3	4	2	7	11	3
1993-94	11	9	4	11	1	10	3	4	3	3	11	10	5	4	2	7	11	3
1994-95	11	9	4	11	1	10	4	4	3	3	10	9	5	4	2	7	11	3
1995-96 4/	13	12	3	9	5	9	4	3	3	3	5	3	12	3	3	9	13	5
1996-97	13	12	3	9	5	10	6	2	2	3	4	6	13	3	1	9	13	5
1997-98	13	12	3	7	5	8	6	2	2	3	3	11	5	4	1	9	13	4

1/ Tuition revenues for FY92-93 through FY94-95 were returned to the State of Hawai'i general fund, but for comparative purposes are included here in "Tuition Revenue" instead of "Appropriations".

2/ Library is included in Academic Support.

3/ This is the estimated full instructional expenditure, not adjusted by cost of living index (CLI) or higher education wage index (HEWI). Beginning FY97-98, Research Associates developed a new methodology for this measure.

4/ For FY95-96, tuition and fees data was not available for one institution in the benchmark group and four institutions in the peer group.

Note: Peer group was updated effective April 1998 by NCHEMS, therefore, beginning FY 95-96 data are compared against the new peer group.

Source: Research Associates of Washington.

Table 2A
UNIVERSITY OF HAWAI'I AT MANOA
BENCHMARK GROUP COMPARISONS, PER FTE STUDENT
FISCAL YEAR 1997-98

	INSTITUTION	ENROLLMENT		REVENUES PER FTE STUDENT				FUNCTIONAL EXPENDITURES PER FTE STUDENT										FULL INSTR EXPEND PER FTE STUDENT				
		FTE	% Grad	Tuition & Fees	Approp	Priv GC Endow	TOTAL REV	Instruc-tion	Student Svc	Acad Sup 1/	Library 1/	Inst'l Supprt	Oper Maint	Funded Rsch	Public Svc	Student Aid	TOTAL EXP	Estm Full Instr	HEWI	Adjusted Full Instr	Norm	Devia-tion
1	**University Of Hawaii at Manoa**	**14,173**	**31**	**4,655**	**11,809**	**1,687**	**18,150**	**11,582**	**1,152**	**2,637**	**1,011**	**625**	**1,753**	**10,226**	**1,959**	**529**	**30,463**	**15,297**	**104**	**13,826**	**11,600**	**19%**
	UH Manoa (including systemwide)	**14,173**	**31**	**4,655**	**12,894**	**1,687**	**19,236**	**11,582**	**1,160**	**3,007**	**1,011**	**1,158**	**1,759**	**10,226**	**1,959**	**533**	**31,384**	**15,770**	**104**	**14,254**	**NA**	**NA**
2	Indiana University at Bloomington	31,216	22	7,017	6,095	1,019	14,131	7,075	765	1,584	855	1,863	1,271	1,773	813	1,839	16,983	11,388	91	12,014	10,800	11%
3	Michigan State University	37,248	22	6,111	8,971	1,651	16,733	8,242	574	1,882	382	1,241	1,309	4,039	3,008	1,186	21,479	11,279	99	9,798	10,800	-9%
4	State University of New York at Buffalo	19,654	34	4,979	12,821	1,625	19,425	9,118	795	2,297	847	2,688	2,046	2,961	237	1,376	21,518	15,228	95	13,465	11,000	22%
5	University Of Arizona	28,831	24	4,877	10,329	2,296	17,501	7,742	702	2,100	696	1,776	1,403	7,187	1,278	2,124	24,311	11,079	98	10,514	10,800	-3%
6	University Of California - Berkeley	28,521	29	7,813	11,955	4,805	24,573	10,850	1,933	3,478	1,357	2,410	1,893	9,346	986	3,458	34,353	17,085	102	16,248	10,800	50%
7	University Of California - Davis	22,813	22	5,682	13,386	2,311	21,378	11,282	1,373	4,493	747	1,940	1,889	8,794	1,259	2,202	33,233	17,293	96	15,672	10,800	45%
8	University Of California - Los Angeles	34,278	33	6,498	12,582	4,792	23,872	16,933	1,238	5,048	1,107	2,953	1,484	9,337	680	2,997	40,670	24,284	101	21,399	10,800	98%
9	University Of Colorado At Boulder	23,904	21	7,310	2,933	1,035	11,278	6,264	1,371	1,636	683	1,452	794	6,338	236	1,124	19,217	9,722	101	9,626	10,800	-11%
10	University Of Florida	37,704	24	2,897	12,255	1,411	16,563	9,225	552	1,904	580	1,799	1,398	6,688	2,209	1,110	24,885	12,447	96	11,281	10,800	4%
11	University Of Illinois At Urbana	35,050	26	5,249	8,246	2,750	16,245	6,629	961	2,140	693	737	1,874	6,772	3,004	2,596	24,715	9,667	99	9,472	10,800	-12%
12	University Of Iowa	24,125	33	4,822	10,128	2,182	17,133	8,936	873	2,983	903	1,181	1,766	5,716	2,431	1,689	25,575	13,048	94	11,521	10,800	7%
13	University Of Maryland College Park	27,917	25	6,134	9,019	1,790	16,943	6,930	846	2,176	595	1,388	1,689	6,288	1,501	1,740	22,557	10,400	100	10,400	10,800	-4%
14	University Of Michigan, Ann Arbor	34,778	35	12,698	9,044	4,463	26,206	11,277	1,396	3,476	1,046	2,238	2,827	11,080	686	4,162	37,142	17,102	103	14,445	10,800	34%
15	University Of Minnesota - Twin Cities	33,937	29	5,937	14,200	6,793	26,930	12,168	1,353	5,366	1,078	2,833	2,790	9,715	4,327	2,056	40,608	18,911	105	14,949	10,800	38%
16	University Of Missouri - Columbia	20,154	23	6,449	8,609	2,061	17,118	9,745	1,083	2,409	619	982	1,625	4,917	2,392	2,408	25,562	13,823	90	13,670	10,900	25%
17	University of Oregon	16,035	21	6,439	3,075	1,156	10,670	5,755	777	1,605	879	1,111	779	2,136	933	1,151	14,246	8,910	95	9,379	11,300	-17%
18	University Of Washington	31,488	27	6,660	8,791	3,576	19,027	10,851	549	3,461	768	2,454	2,443	11,362	317	2,891	34,329	15,529	107	13,062	10,800	21%
19	University Of Wisconsin - Madison	36,092	27	6,336	9,941	5,978	22,256	8,217	1,059	3,003	898	1,127	1,882	11,460	2,167	1,889	30,804	11,711	101	10,668	10,800	-1%

HIGH	**Excluding UHM and UHM w/ systemwide**	**37,704**	**35**	**12,698**	**14,200**	**6,793**	**26,930**	**16,933**	**1,933**	**5,366**	**1,357**	**2,953**	**2,827**	**11,460**	**4,327**	**4,162**	**40,670**	**24,284**	**107**	**21,399**	**11,300**	**98%**
AVERAGE		**29,097**	**27**	**6,328**	**9,577**	**2,872**	**18,777**	**9,291**	**1,011**	**2,836**	**818**	**1,787**	**1,731**	**6,995**	**1,581**	**2,111**	**27,344**	**13,828**	**99**	**12,643**	**10,844**	**17%**
LOW		**16,035**	**21**	**2,897**	**2,933**	**1,019**	**10,670**	**5,755**	**549**	**1,584**	**382**	**737**	**779**	**1,773**	**236**	**1,110**	**14,246**	**8,910**	**90**	**9,379**	**10,800**	**-17%**
% DIFF FROM AVERAGE	**UHM**	**-51%**	**15%**	**-26%**	**23%**	**-41%**	**-3%**	**25%**	**14%**	**-7%**	**24%**	**-65%**	**1%**	**46%**	**24%**	**-75%**	**11%**	**11%**	**5%**	**9%**	**7%**	**-**
	UHM (w/ sys-wide)	**-51%**	**15%**	**-26%**	**35%**	**-41%**	**2%**	**25%**	**15%**	**6%**	**24%**	**-35%**	**2%**	**46%**	**24%**	**-75%**	**15%**	**14%**	**5%**	**13%**	**-**	**-**
RANK	**UHM**	**19**	**5**	**18**	**7**	**13**	**9**	**3**	**7**	**9**	**5**	**19**	**10**	**4**	**8**	**19**	**8**	**7**	**3**	**6**	**1**	**9**
	UHM (w/ sys-wide)	**19**	**5**	**18**	**3**	**13**	**8**	**3**	**7**	**7**	**5**	**15**	**10**	**4**	**8**	**19**	**7**	**6**	**3**	**6**	**-**	**-**

1/ Library is included in Academic Support.

Source: Research Associates of Washington.

Table 2B
UNIVERSITY OF HAWAI'I AT MANOA
BENCHMARK GROUP COMPARISONS, PER FTE STUDENT
FISCAL YEAR 1997-98
PERCENT DISTRIBUTION

	INSTITUTION	ENROLLMENT		REVENUES PER FTE STUDENT				FUNCTIONAL EXPENDITURES PER FTE STUDENT										FULL INSTR EXPEND PER FTE STUDENT	
		FTE	% Grad	Tuition & Fees	Approp	Priv GC Endow	TOTAL REV	Instruc-tion	Student Svc	Acad Sup 1/	Library 1/	Inst'l Supprt	Oper Maint	Funded Rsch	Public Svc	Student Aid	TOTAL EXP	Estm Full Instr	Adjusted Full Instr
1	**University Of Hawaii at Manoa**	**14,173**	**31**	**26**	**65**	**9**	100%	**38**	**4**	**9**	**3**	**2**	**6**	**34**	**6**	**2**	**100%**	**50**	**45**
	UH Manoa (including systemwide)	**14,173**	**31**	**24**	**67**	**9**	100%	**37**	**4**	**10**	**3**	**4**	**6**	**33**	**6**	**2**	**100%**	**50**	**45**
2	Indiana University at Bloomington	31,216	22	50	43	7	100%	42	5	9	5	11	7	10	5	11	100%	67	71
3	Michigan State University	37,248	22	37	54	10	100%	38	3	9	2	6	6	19	14	6	100%	53	46
4	State University of New York at Buffalo	19,654	34	26	66	8	100%	42	4	11	4	12	10	14	1	6	100%	71	63
5	University Of Arizona	28,831	24	28	59	13	100%	32	3	9	3	7	6	30	5	9	100%	46	43
6	University Of California - Berkeley	28,521	29	32	49	20	100%	32	6	10	4	7	6	27	3	10	100%	50	47
7	University Of California - Davis	22,813	22	27	63	11	100%	34	4	14	2	6	6	26	4	7	100%	52	47
8	University Of California - Los Angeles	34,278	33	27	53	20	100%	42	3	12	3	7	4	23	2	7	100%	60	53
9	University Of Colorado At Boulder	23,904	21	65	26	9	100%	33	7	9	4	8	4	33	1	6	100%	51	50
10	University Of Florida	37,704	24	17	74	9	100%	37	2	8	2	7	6	27	9	4	100%	50	45
11	University Of Illinois At Urbana	35,050	26	32	51	17	100%	27	4	9	3	3	8	27	12	11	100%	39	38
12	University Of Iowa	24,125	33	28	59	13	100%	35	3	12	4	5	7	22	10	7	100%	51	45
13	University Of Maryland College Park	27,917	25	36	53	11	100%	31	4	10	3	6	7	28	7	8	100%	46	46
14	University Of Michigan, Ann Arbor	34,778	35	48	35	17	100%	30	4	9	3	6	8	30	2	11	100%	46	39
15	University Of Minnesota - Twin Cities	33,937	29	22	53	25	100%	30	3	13	3	7	7	24	11	5	100%	47	37
16	University Of Missouri - Columbia	20,154	23	38	50	12	100%	38	4	9	2	4	6	19	9	9	100%	54	53
17	University of Oregon	16,035	21	60	29	11	100%	40	5	11	6	8	5	15	7	8	100%	63	66
18	University Of Washington	31,488	27	35	46	19	100%	32	2	10	2	7	7	33	1	8	100%	45	38
19	University Of Wisconsin - Madison	36,092	27	28	45	27	100%	27	3	10	3	4	6	37	7	6	100%	38	35

HIGH	**Excluding UHM and UHM w/ systemwide**	**37,704**	**35**	**65**	**74**	**27**	**-**	**42**	**7**	**14**	**6**	**12**	**10**	**37**	**14**	**11**	**-**	**71**	**71**
AVERAGE		**29,097**	**27**	**35**	**50**	**14**	**-**	**34**	**4**	**10**	**3**	**7**	**6**	**25**	**6**	**8**	**-**	**51**	**48**
LOW		**16,035**	**21**	**17**	**26**	**7**	**-**	**27**	**2**	**8**	**2**	**3**	**4**	**10**	**1**	**4**	**-**	**38**	**35**

1/ Library is included in Academic Support.

Source: Research Associates of Washington.

Table 3A
UNIVERSITY OF HAWAI'I AT MANOA
PEER GROUP COMPARISONS, PER FTE STUDENT
FISCAL YEAR 1997-98

	INSTITUTION	ENROLLMENT		REVENUES PER FTE STUDENT				FUNCTIONAL EXPENDITURES PER FTE STUDENT										FULL INSTR EXPEND PER FTE STUDENT				
		FTE	% Grad	Tuition & Fees	Approp	Priv GC Endow	TOTAL REV	Instruc-tion	Student Svc	Acad Sup 1/	Library 1/	Inst'l Supprt	Oper Maint	Funded Rsch	Public Svc	Student Aid	TOTAL EXP	Estm Full Instr	HEWI	Adjusted Full Instr	Norm	Devia-tion
1	**University Of Hawaii at Manoa**	**14,173**	**31**	**4,655**	**11,809**	**1,687**	**18,150**	**11,582**	**1,152**	**2,637**	**1,011**	**625**	**1,753**	**10,226**	**1,959**	**529**	**30,463**	**15,297**	**104**	**13,826**	**11,600**	**19%**
	UH Manoa (including systemwide)	**14,173**	**31**	**4,655**	**12,894**	**1,687**	**19,236**	**11,582**	**1,160**	**3,007**	**1,011**	**1,158**	**1,759**	**10,226**	**1,959**	**533**	**31,384**	**14,110**	**104**	**14,254**	**NA**	**NA**
2	Colorado State University	21,734	24	5,292	5,167	1,050	11,508	5,597	679	1,426	642	1,484	2,041	4,282	1,750	1,106	18,366	8,801	95	8,431	10,850	-22%
3	Iowa State University	22,853	18	4,291	10,952	1,367	16,610	6,214	892	1,825	596	1,387	1,157	5,537	2,679	1,321	21,012	9,132	92	9,330	10,800	-14%
4	Louisiana State Univ & Ag & Mech Coll	25,085	21	3,750	8,099	706	12,555	5,212	323	1,439	557	1,234	1,057	4,436	1,751	1,152	16,603	7,296	96	7,220	10,800	-33%
5	Oregon State University	13,227	19	5,097	8,296	2,012	15,406	6,500	751	1,834	527	1,303	1,057	7,944	3,167	1,306	23,861	8,907	94	9,002	11,750	-23%
6	University Of California - Davis	22,813	22	5,682	13,386	2,311	21,378	11,282	1,373	4,493	747	1,940	1,889	8,794	1,259	2,202	33,233	17,293	96	15,672	10,800	45%
7	University Of Georgia	26,992	22	4,055	14,527	1,522	20,104	5,827	639	2,400	753	1,968	2,009	6,776	4,246	2,507	26,373	8,824	94	8,824	10,800	-18%
8	University Of Kentucky	20,227	28	4,572	13,712	3,784	22,069	9,542	844	2,872	966	1,722	1,534	5,918	6,192	1,406	30,030	13,215	94	12,090	10,900	11%
9	University Of Missouri - Columbia	20,154	23	6,449	8,609	2,061	17,118	9,745	1,083	2,409	619	982	1,625	4,917	2,392	2,408	25,562	13,823	90	13,670	10,900	25%
10	University Of North Carolina At Chapel Hill	21,349	37	4,953	16,501	4,937	26,391	17,971	593	2,648	1,227	2,310	2,968	7,547	3,685	1,952	39,674	23,502	97	20,352	10,850	88%
11	University Of Tennessee, Knoxville	22,042	25	4,314	9,511	1,356	15,182	6,508	1,157	1,995	587	835	1,208	4,088	2,776	1,100	19,667	9,795	100	9,306	10,800	-14%
12	University Of Utah	20,349	19	3,382	8,579	4,598	16,559	7,885	886	2,319	846	2,324	1,465	6,390	9,650	919	31,838	10,930	96	10,588	10,900	-3%
13	University Of Virginia - Main Campus	19,283	40	8,000	6,695	7,105	21,800	9,550	812	3,722	1,186	1,924	1,434	6,708	1,184	3,012	28,346	14,381	98	13,207	11,000	20%

HIGH	**Excluding UHM and UHM w/ systemwide**	**26,992**	**40**	**8,000**	**16,501**	**7,105**	**26,391**	**17,971**	**1,373**	**4,493**	**1,227**	**2,324**	**2,968**	**8,794**	**9,650**	**3,012**	**39,674**	**23,502**	**100**	**20,352**	**11,750**	**88%**
AVERAGE		**21,342**	**25**	**4,986**	**10,336**	**2,734**	**18,057**	**8,486**	**836**	**2,449**	**771**	**1,618**	**1,620**	**6,111**	**3,394**	**1,699**	**26,214**	**12,158**	**95**	**11,474**	**10,929**	**5%**
LOW		**13,227**	**18**	**3,382**	**5,167**	**706**	**11,508**	**5,212**	**323**	**1,426**	**527**	**835**	**1,057**	**4,088**	**1,184**	**919**	**16,603**	**7,296**	**90**	**7,220**	**10,800**	**-33%**
% DIFF FROM AVERAGE	**UHM**	**-34%**	**24%**	**-7%**	**14%**	**-38%**	**1%**	**36%**	**38%**	**8%**	**31%**	**-61%**	**8%**	**67%**	**-42%**	**-69%**	**16%**	**26%**	**9%**	**21%**	**6%**	**-**
	UHM (w/ sys-wide)	**-34%**	**24%**	**-7%**	**25%**	**-38%**	**7%**	**36%**	**39%**	**23%**	**31%**	**-28%**	**9%**	**67%**	**-42%**	**-69%**	**20%**	**16%**	**9%**	**24%**	**-**	**-**
RANK	**UHM**	**12**	**3**	**7**	**5**	**8**	**6**	**2**	**3**	**5**	**3**	**13**	**5**	**1**	**9**	**13**	**4**	**3**	**1**	**3**	**2**	**5**
	UHM (w/ sys-wide)	**12**	**3**	**7**	**5**	**8**	**6**	**2**	**2**	**3**	**3**	**11**	**5**	**1**	**9**	**13**	**4**	**4**	**1**	**3**	**-**	**-**

1/ Library is included in Academic Support.

Source: Research Associates of Washington.

Table 3B
UNIVERSITY OF HAWAI'I AT MANOA
PEER GROUP COMPARISONS, PER FTE STUDENT
FISCAL YEAR 1997-98
PERCENT DISTRIBUTION

	INSTITUTION	ENROLLMENT		REVENUES PER FTE STUDENT				FUNCTIONAL EXPENDITURES PER FTE STUDENT										FULL INSTR EXPEND PER FTE STUDENT	
		FTE	% Grad	Tuition & Fees	Approp	Priv GC Endow	TOTAL REV	Instruc-tion	Student Svc	Acad Sup 1/	Library 1/	Inst'l Supprt	Oper Maint	Funded Rsch	Public Svc	Student Aid	TOTAL EXP	Estm Full Instr	Adjusted Full Instr
1	**University Of Hawaii at Manoa**	**14,173**	**31**	**26**	**65**	**9**	100%	**38**	**4**	**9**	**3**	**2**	**6**	**34**	**6**	**2**	**100%**	**50**	**45**
	UH Manoa (including systemwide)	**14,173**	**31**	**24**	**67**	**9**	100%	**37**	**4**	**10**	**3**	**4**	**6**	**33**	**6**	**2**	**100%**	**45**	**45**
2	Colorado State University	21,734	24	46	45	9	100%	30	4	8	3	8	11	23	10	6	100%	48	46
3	Iowa State University	22,853	18	26	66	8	100%	30	4	9	3	7	6	26	13	6	100%	43	44
4	Louisiana State Univ & Ag & Mech Coll	25,085	21	30	65	6	100%	31	2	9	3	7	6	27	11	7	100%	44	43
5	Oregon State University	13,227	19	33	54	13	100%	27	3	8	2	5	4	33	13	5	100%	37	38
6	University Of California - Davis	22,813	22	27	63	11	100%	34	4	14	2	6	6	26	4	7	100%	52	47
7	University Of Georgia	26,992	22	20	72	8	100%	22	2	9	3	7	8	26	16	10	100%	33	33
8	University Of Kentucky	20,227	28	21	62	17	100%	32	3	10	3	6	5	20	21	5	100%	44	40
9	University Of Missouri - Columbia	20,154	23	38	50	12	100%	38	4	9	2	4	6	19	9	9	100%	54	53
10	University Of North Carolina At Chapel Hill	21,349	37	19	63	19	100%	45	1	7	3	6	7	19	9	5	100%	59	51
11	University Of Tennessee, Knoxville	22,042	25	28	63	9	100%	33	6	10	3	4	6	21	14	6	100%	50	47
12	University Of Utah	20,349	19	20	52	28	100%	25	3	7	3	7	5	20	30	3	100%	34	33
13	University Of Virginia - Main Campus	19,283	40	37	31	33	100%	34	3	13	4	7	5	24	4	11	100%	51	47

HIGH	**Excluding UHM and UHM w/ systemwide**	**26,992**	**40**	**46**	**72**	**33**	**-**	**45**	**6**	**14**	**4**	**8**	**11**	**33**	**30**	**11**	**-**	**59**	**53**
AVERAGE		**21,342**	**25**	**29**	**57**	**14**	**-**	**32**	**3**	**9**	**3**	**6**	**6**	**24**	**13**	**7**	**-**	**46**	**44**
LOW		**13,227**	**18**	**19**	**31**	**6**	**-**	**22**	**1**	**7**	**2**	**4**	**4**	**19**	**4**	**3**	**-**	**33**	**33**

1/ Library is included in Academic Support.

Source: Research Associates of Washington.

Appendix 1
UNIVERSITY OF HAWAI'I AT MANOA
BENCHMARK GROUP
FISCAL YEAR 1997-98

	STATE	CARNEGIE CLASSIFCATION	NAME	CITY	FICE CODE	ENROLLMENT FTE Enroll	ENROLLMENT % Grad
1	**HI**	**Research I**	**University Of Hawai'i at Manoa**	**Honolulu**	**1610**	**14,173**	**31**
2	IN	Research I	Indiana University at Bloomington	Bloomington	1809	31,216	22
3	MI	Research I	Michigan State University	East Lansing	2290	37,248	22
4	NY	Research I	State University of New York at Buffalo	Buffalo	2837	19,654	34
5	AZ	Research I	University Of Arizona	Tucson	1083	28,831	24
6	CA	Research I	University Of California - Berkeley	Berkeley	1312	28,521	29
7	CA	Research I	University Of California - Davis	Davis	1313	22,813	22
8	CA	Research I	University Of California - Los Angeles	Los Angeles	1315	34,278	33
9	CO	Research I	University Of Colorado at Boulder	Boulder	1370	23,904	21
10	FL	Research I	University Of Florida	Gainesville	1535	37,704	24
11	IL	Research I	University Of Illinois Urbana-Champaign	Champaign	1775	35,050	26
12	IA	Research I	University Of Iowa	Iowa City	1892	24,125	33
13	MD	Research I	University Of Maryland College Park	College Park	2103	27,917	25
14	MI	Research I	University Of Michigan, Ann Arbor	Ann Arbor	2325	34,778	35
15	MN	Research I	University Of Minnesota - Twin Cities	Minneapolis	3969	33,937	29
16	MO	Research I	University Of Missouri - Columbia	Columbia	2516	20,154	23
17	OR	Research II	University Of Oregon	Eugene	3223	16,035	21
18	WA	Research I	University Of Washington	Seattle	3798	31,488	27
19	WI	Research I	University of Wisconsin - Madison	Madison	3895	36,092	27

Source: Research Associates of Washington.

Appendix 2
UNIVERSITY OF HAWAI'I AT MANOA
PEER GROUP
FISCAL YEAR 1997-98

	STATE	CARNEGIE CLASSIFCATION	NAME	CITY	FICE CODE	ENROLLMENT FTE Enroll	ENROLLMENT % Grad
1	**HI**	**Research I**	**University Of Hawai'i at Manoa**	**Honolulu**	**1610**	**14,173**	**31**
2	CO	Research I	Colorado State Universiry	Fort Collins	1350	21,734	24
3	IA	Research I	Iowa State University	Ames	1869	22,853	18
4	LA	Research I	Louisiana St Univ & Ag & Mech Coll	Baton Rouge	2010	25,085	21
5	OR	Research I	Oregon State University	Corvallis	3210	13,227	19
6	CA	Research I	University Of California - Davis	Davis	1313	22,813	22
7	GA	Research I	University Of Georgia	Athens	1598	26,992	22
8	KY	Research I	University Of Kentucky	Lexington	1989	20,227	28
9	MO	Research I	University Of Missouri - Columbia	Columbia	2516	20,154	23
10	NC	Research I	University of North Carolina at Chapel Hill	Chapel Hill	2974	21,349	37
11	TN	Research I	University Of Tennessee, Knoxville	Knoxville	3530	22,042	25
12	UT	Research I	University Of Utah	Salt Lake City	3675	20,349	19
13	VA	Research I	University Of Virginia - Main Campus	Charlottesville	6968	19,283	40

Source: Research Associates of Washington.

Appendix 3
UNIVERSITY OF HAWAI'I AT MANOA
HIGHER EDUCATION PRICE INDEX (HEPI) 1/
FISCAL YEARS 1992-93 TO 1997-98

FISCAL YEAR	HEPI	YEARLY % CHANGE
1992-93	100.0	-
1993-94	103.4	3.4
1994-95	106.5	3.0
1995-96	109.7	3.0
1996-97	113.0	3.0
1997-98	117.0	3.5

1/ Index values were converted to FY 1992-93 equal to 100.

SOURCE: Inflation Measures for Schools, Colleges and Libraries, Research Associates of Washington.

APPENDIX 4
TERMS AND DEFINITIONS

Benchmark, Peer Groups*:* The terms "benchmark" and "peer" are used to differentiate between the comparative groups developed internally at the University of Hawai'i and by the National Center for Higher Education Management Systems (NCHEMS). In particular, the **benchmark** groups reflect input from campus executives. The UH Hilo list was developed many years ago and its enduring use reflects the desire of UH officials to understand where UH Hilo stands relative to some well-known mainland institutions.

The institutions included in the **peer** group were developed more recently by Dennis Jones at NCHEMS. NCHEMS Information Services provide a Comparison Group Selection Service, and we contracted with them to develop comparative groups for each UH campus. NCHEMS uses an indicator database containing variable covering institutional characteristics, faculty, finance, degrees awarded, enrollments and other data. Professional judgment is also involved in this selection process. (Source: UH Office of Planning & Policy, August 1994.)

Note that the peer group was updated effective April 1998 by NCHEMS, therefore, beginning FY1995-96, UH Hilo data was compared against a new peer group.

Systemwide Revenues & Expenditures: Systemwide revenues and expenditures refer to revenues and expenditures of University of Hawai'i system offices. Systemwide revenues were apportioned by Level IV program according to each campus' share of the total revenues for each program. Systemwide expenditures were apportioned by Level IV program according to each campus 's share of the total expenditures for each program.

Total Revenues: Total revenues are calculated by summing revenues for three items: *tuition and fees, state appropriations,* and *private gifts, contracts and endowment income*. Although tuition revenues from FY 1992-93 to FY 1994-95 were returned to the State of Hawai 'i general fund for all the University of Hawai'i campuses, they are included in this report under tuition and fee revenues for comparative purposes

Total Expenditures: Total expenditures are calculated by summing expenditures for *instruction, student services, academic support, institutional support, operations and maintenance, funded research, public services* and *student aid.*

Higher Education Price Index (HEPI): The HEPI measures the average relative level in the prices of a fixed market basket of goods and services purchased by colleges and universities through current fund educational and general expenditures excluding expenditures for research.
(Source: Inflation Measures for Schools, Colleges and Libraries, Research Associates of Washington, 1995 Update, page 21.)

The following definitions were provided by Research Associates of Washington and has been updated for FY 1997-98:

FTE Fall Enrollment: Full-time-equivalent (FTE) enrollment is the sum of the fall count of full-time students (those whose academic load of course work or other required activity is at least 75 percent of the institution's normal full-time load) plus one-third of the fall part-time student count.

Percent Graduate Students: Ratio of graduate enrollment to total headcount enrollment.

Tuition and Fees: All tuition and fees (including student activity fees) assessed against students for education purposes. This category reports *gross* tuition revenues including any portion paid through receipt of student aid from all sources including institutionally administered financial aid.

State and Local Government Appropriations: Includes all state and local government monies received for current operating expenses including student financial aid except grants and contracts and appropriations for hospitals. Tuition and fees revenues remitted to the state and then returned to the institution are excluded.

Private Gifts, Contracts and Endowment Income: Revenues for current operations including student financial aid from private donors, revenues from private contracts for which specific goods and services are provided, and income from endowments. Excluded are gifts, grants, contracts, and endowment income for hospitals.

Instruction: Instruction includes all expenditures for the teaching function including *departmental* administration, and research and public service that are not separately budgeted.

Student Services: Student services includes funds for recruitment, admissions, registrar activities, and activities whose primary purpose is to contribute to the well-being of students and to their development outside the context of the formal instructional program.

Academic Support: Academic support includes all expenditures for support services integral to the mission of instruction, research, and public service. It includes expenditures for libraries. Expenditures for academic administration where the primary function is administration (e.g., academic deans) are included here.

Libraries: Libraries, a subset of Academic Support, includes expenditures for organized activities that directly support the operation of a cataloged or otherwise classified collection of published material. The Libraries entry includes expenses for the purchase of books and all forms of collected communications.

Institutional Support: Institutional support includes expenditures for the day-to-day operational support of the *entire institution*, excluding expenditures for physical plant operations. Includes general administrative services, executive direction and planning, legal, data processing, space management, employee personnel, public relations, campus security, etc.

Operation and Maintenance of Plant: All expenditures to provide services and maintenance related to grounds and facilities.

Funded Research: Separately budgeted funds expended for research specifically organized for the commissioned purpose. Excluded are discretionary expenditures for departmental research.

Public Service: Funds expended for activities that are primarily to provide non-instructional services that are beneficial to individuals and groups external to the institution.

Student Financial Aid (Scholarships and Fellowships): Scholarships, fellowships, outright grants, trainee stipends, prizes, and awards to individuals enrolled in formal course work, either for credit or non-credit. Aid to students in the form of tuition or fees remissions should be included. Pell grants are reported as federal allotment and not in this category.

Estimated Full Instructional Expenditures: Full instruction expenditures (unadjusted) equal expenditures for instruction and student services plus a prorated share of associated support expenditures.

Support expenditures consists of expenditures for academic support, institutional support and plant operation and maintenance. *Primary expenditures* consist of expenditures for instruction, student services, organized research and public service.

Support expenditures are allocated to primary expenditures by the ratio of the two amounts (academic support + institutional support + plant) / (instruction + student services + research + public service). Thus, full instruction expenditures (unadjusted) equal (instruction + student services) x (1.0 + allocation %).

Higher Education Wage Index (HEWI): This index reports geographic wage differentials generally practiced in the labor market for college and university faculty and staff. The index is used to adjust institutional expenditures to equivalent purchasing (hiring) power.

Medical adjustment factor: This adjustment is used to delete the exceptionally high costs of medical programs from full instruction expenditures. *Note this figure is not shown in the tables*.

Adjusted Full Instructional Expenditures: To establish comparability, the *estimated full instructional expenditure* is multiplied by the medical adjustment factor and divided by the Higher Education Wage Index (HEWI).

Norm of Full Instructional Expenditures (HEWI adjusted): The normative value of full instructional expenditures per student at a given enrollment level as indicated by a constructed central tendency line on a scatter diagram for institutions in a given benchmark or peer group.

Deviation from Norm: This deviation reports the percentage by which the real purchasing power of an institution's full instruction expenditures per FTE student exceeds or is less than the norm for the subject institution's comparative group and enrollment level.