

**REVENUES AND EXPENDITURES:
PEER AND BENCHMARK COMPARISONS
UNIVERSITY OF HAWAI'I AT HILO
FISCAL YEAR 1997-98**

Institutional Research Office
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University of Hawai'i at Hilo

Benchmark and Peer Group Comparisons, FY 1997-98

Figure 1
Revenues per FTE Student

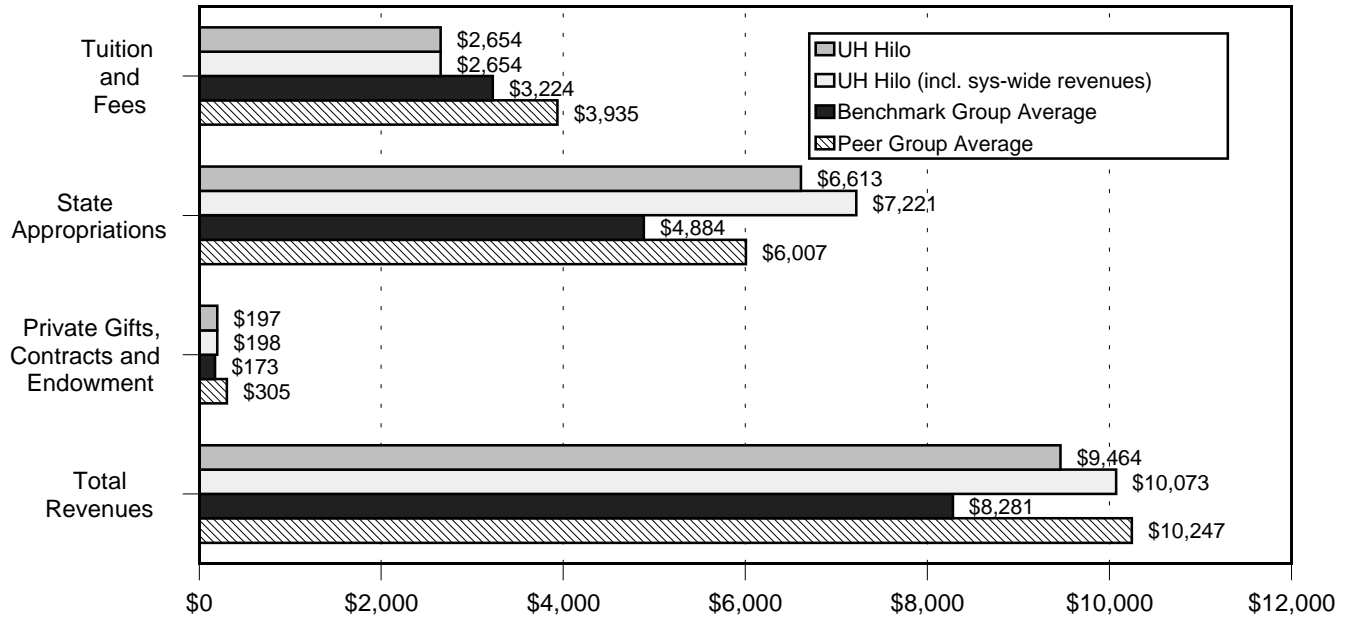
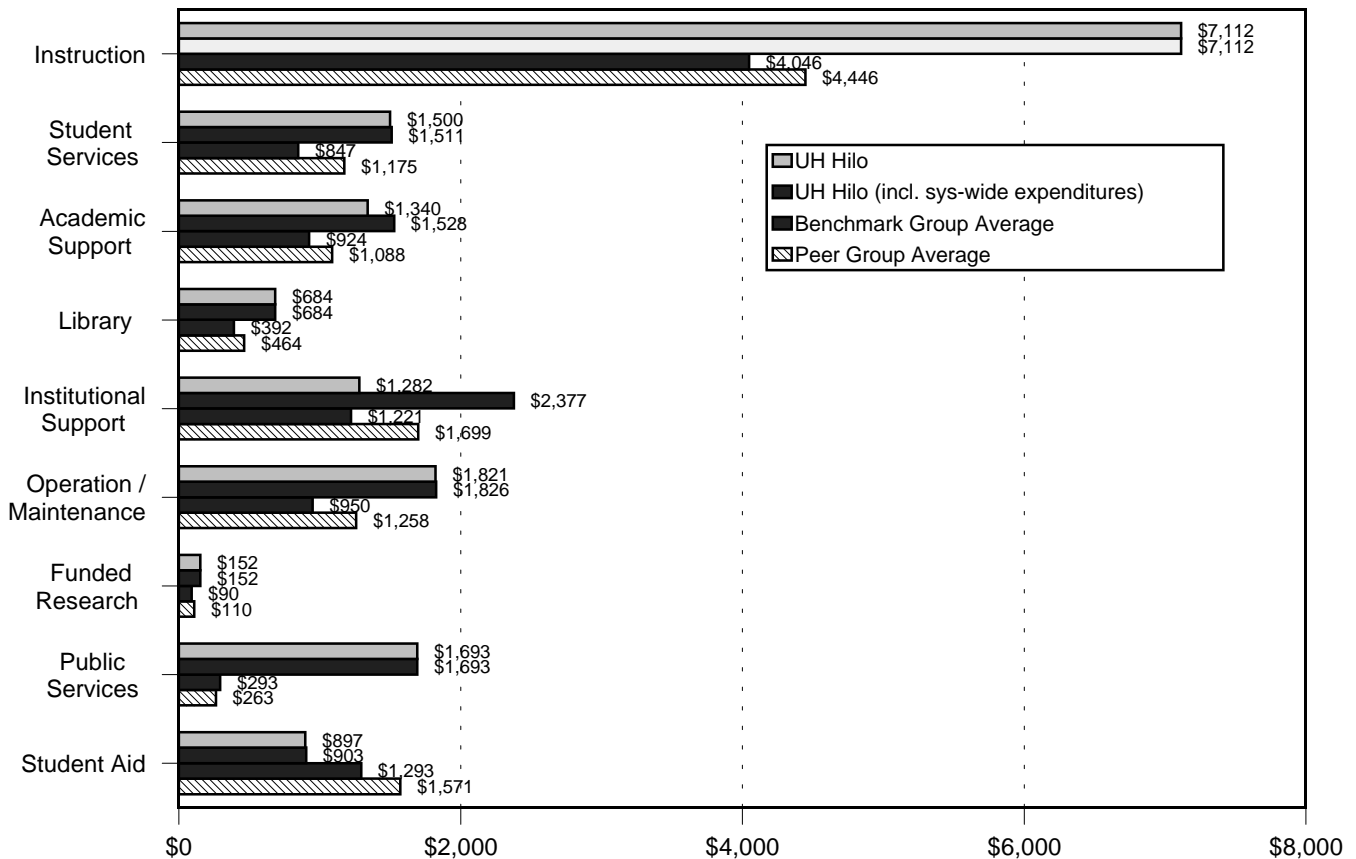


Figure 2
Expenditures per FTE Student



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

Figure 3
 Percent Distribution of Revenues Per FTE Student

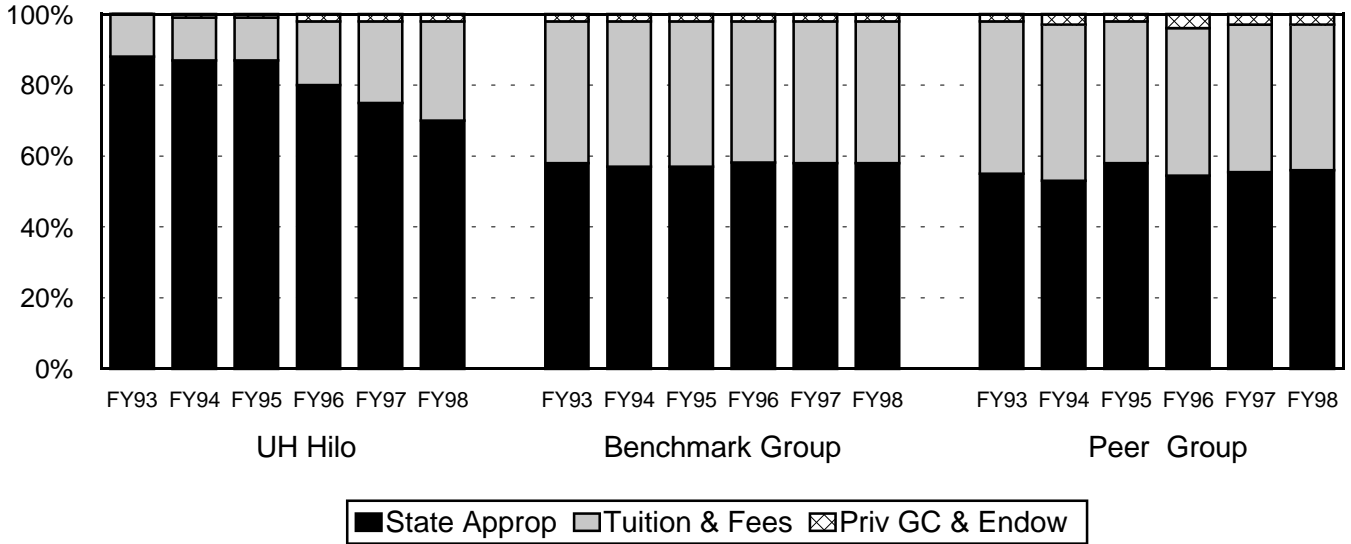
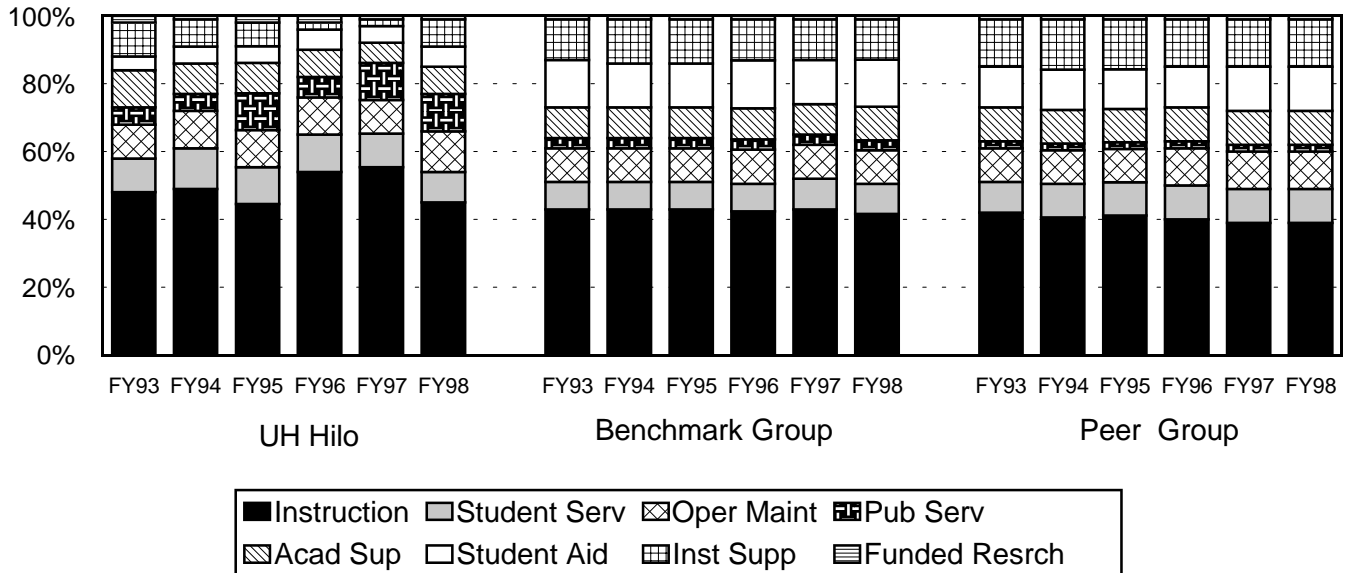


Figure 4
 Percent Distribution of Expenditures Per FTE Student



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

Figure 5
UH Hilo

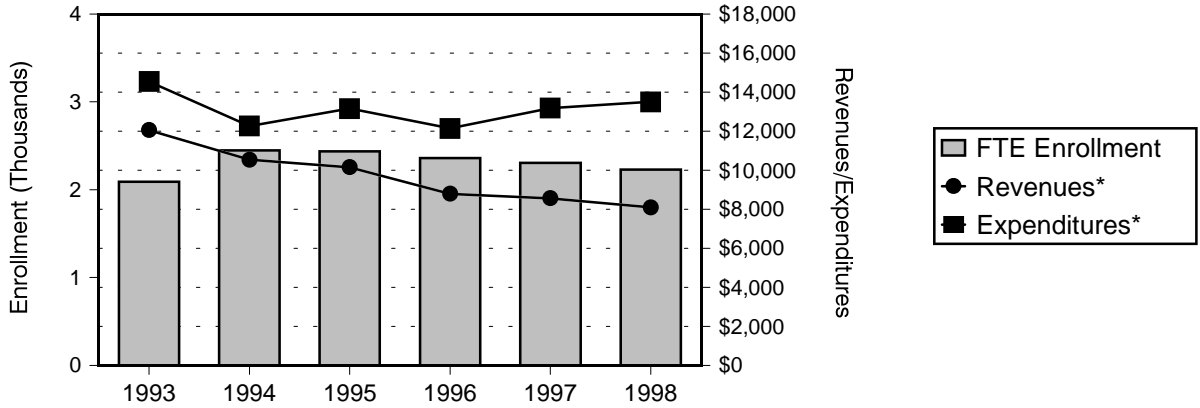


Figure 6
Benchmark Group Average

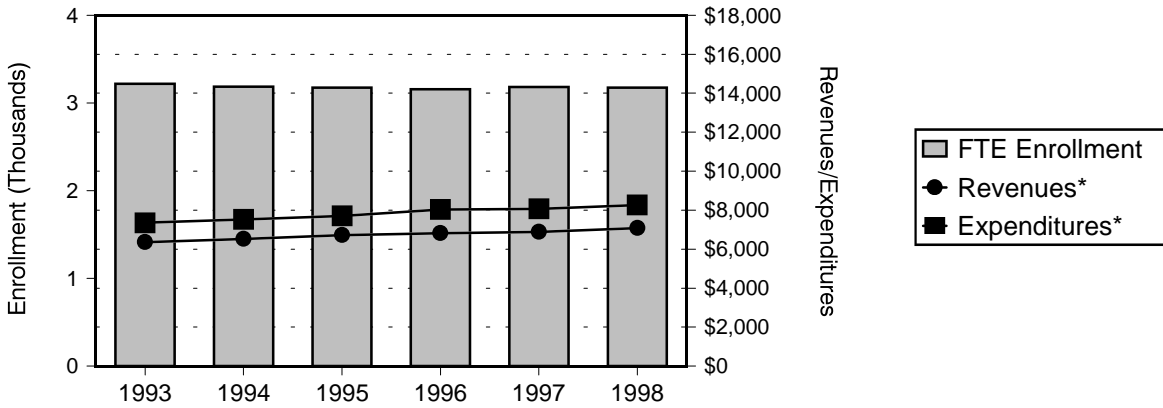
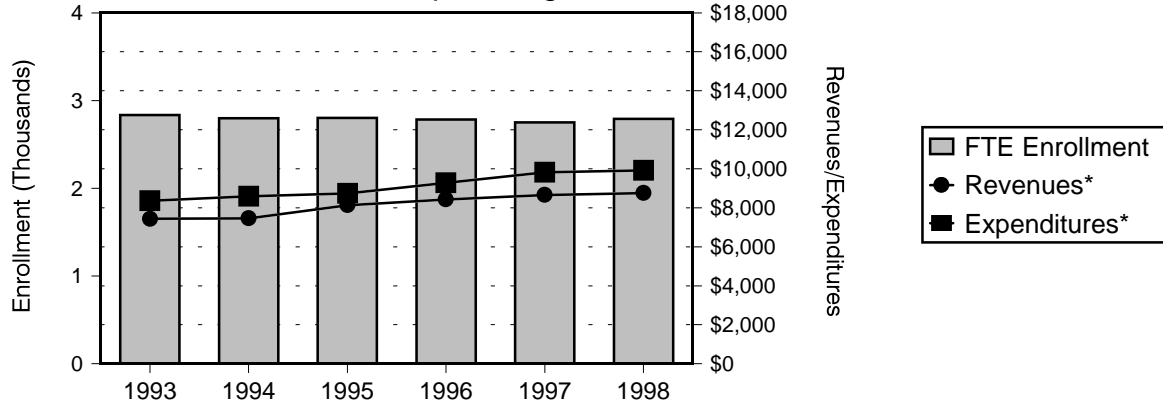


Figure 7
Peer Group Average



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

**TABLE 1A
UNIVERSITY OF HAWAII AT HILO
BENCHMARK AND PEER GROUP COMPARISONS
FISCAL YEAR 1992-93 TO 1997-98
CURRENT DOLLARS**

Year	FTE ENROLLMENT			REVENUES PER FTE STUDENT 1/					EXPENDITURES PER FTE STUDENT 1/											
	Number	% Chnge	% Grads	Tuition 2/ & Fees	State Approp	Priv GC & Endow	TOTAL REV 2/	% Chnge	Instruc- tion 3/	Student Ser	Acad Sup 4/	Library 4/	Inst Supprt 3/	Oper Maint	FULL INSTR 5/	Funded Resrch	Pub Ser	Student Aid	TOTAL EXP	% Chnge
UH Hilo																				
1992-93	2,091		10	1,405	10,627	19	12,051		7,034	1,387	1,609	623	1,404	1,486	12,625	257	725	642	14,544	
1993-94	2,447	17.0	7	1,290	9,469	131	10,891	-9.6	6,223	1,517	1,198	131	965	1,378	11,044	163	623	619	12,686	-12.8
1994-95	2,436	-0.5	6	1,256	9,430	122	10,808	-0.8	6,342	1,484	1,216	139	1,012	1,528	11,063	227	1,502	705	14,016	10.5
1995-96	2,361	-3.1	4	1,707	7,719	217	9,643	-10.8	7,168	1,504	1,095	486	253	1,465	11,169	305	749	779	13,318	-5.0
1996-97	2,306	-2.3	4	2,246	7,276	149	9,672	0.3	8,307	1,435	923	551	233	1,457	11,814	203	1,601	737	14,896	11.9
1997-98	2,228	-3.4	7	2,654	6,613	197	9,464	-2.2	7,112	1,500	1,340	684	1,282	1,821	12,271	152	1,693	897	15,797	6.1
% Change FY 93 to 98		6.6						-21.5												8.6
UH Hilo (Including Systemwide)																				
1992-93	2,091		10	1,405	11,439	20	12,864		7,034	1,398	1,787	623	2,891	1,486	14,301	257	725	642	16,220	
1993-94	2,447	17.0	7	1,290	10,328	134	11,752	-8.6	6,223	1,531	1,337	131	2,112	1,378	12,344	163	623	619	13,986	-13.8
1994-95	2,436	-0.5	6	1,256	10,154	123	11,533	-1.9	6,342	1,496	1,363	139	2,475	1,528	12,685	227	1,502	705	15,638	11.8
1995-96	2,361	-3.1	4	1,707	8,377	218	10,302	-10.7	7,168	1,519	1,278	486	455	1,465	11,565	305	760	779	13,729	-12.2
1996-97	2,306	-2.3	4	2,246	7,985	153	10,384	0.8	8,347	1,447	1,072	551	444	1,457	12,226	203	1,601	737	15,308	11.5
1997-98	2,228	-3.4	7	2,654	7,221	198	10,073	-3.0	7,112	1,511	1,528	684	2,377	1,826	13,344	152	1,693	903	17,102	11.7
% Change FY 93 to 98		6.6						-21.7												5.4
Benchmark Group Average																				
1992-93	3,217		4	2,476	3,755	132	6,362		3,137	601	667	296	919	734	5,978	63	202	1,028	7,352	
1993-94	3,186	-1.0	3	2,692	3,909	141	6,742	6.0	3,315	640	722	324	1,039	800	6,425	65	239	966	7,786	5.9
1994-95	3,174	-0.4	3	2,830	4,176	143	7,149	6.0	3,521	694	753	354	1,093	806	6,770	69	258	1,013	8,207	5.4
1995-96	3,157	-0.5	3	2,992	4,329	155	7,476	4.6	3,707	758	806	366	1,108	855	7,126	78	284	1,216	8,811	7.4
1996-97	3,182	0.8	3	3,058	4,577	152	7,787	4.2	3,840	799	851	379	1,157	911	7,449	85	277	1,192	9,111	3.4
1997-98	3,175	-0.2	6	3,224	4,884	173	8,281	6.3	4,046	847	924	392	1,221	950	7,780	90	293	1,293	9,664	6.1
% Change FY 93 to 98		-1.3						30.2												31.4
Peer Group Average																				
1992-93	2,834		4	2,984	4,290	158	7,432		3,449	765	793	380	1,250	848	7,023	110	166	973	8,354	
1993-94	2,797	-1.3	2	3,189	4,290	236	7,715	3.8	3,610	857	837	434	1,380	923	7,527	100	166	1,005	8,877	6.3
1994-95	2,804	0.3	2	3,379	5,062	214	8,656	12.2	3,824	917	930	474	1,401	908	7,894	100	185	1,037	9,302	4.8
1995-96	2,785	-0.7	1	3,635	5,257	349	9,241	6.8	4,020	1,019	969	455	1,493	1,121	8,524	96	233	1,233	10,185	9.5
1996-97	2,753	-1.2	1	3,783	5,717	284	9,783	5.9	4,273	1,106	1,083	479	1,606	1,243	9,205	107	253	1,421	11,093	8.9
1997-98	2,793	1.5	3	3,935	6,007	305	10,247	4.7	4,446	1,175	1,088	464	1,699	1,258	9,205	110	263	1,571	11,610	4.7
% Change FY 93 to 98		-1.4						37.9												39.0

1/ Revenues and Expenditures for UH Hilo may be overstated due to the inclusion of revenue and expenditure items for Hawai'i Community College.

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/ The Institutional Research Office was unable to resolve possible data inconsistency for UH Hilo with reporting office for instructional expenditures (FY97) and institutional support expenditures (FY96 and FY97).

4/ Library is included in Academic Support.

5/ 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.

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 HAWAII AT HILO
BENCHMARK AND PEER GROUP COMPARISONS
FISCAL YEAR 1992-93 TO 1997-98
CONSTANT DOLLARS 1/**

Year	FTE ENROLLMENT			REVENUES PER FTE STUDENT 2/					EXPENDITURES PER FTE STUDENT 2/											
	Number	% Chnge	% Grads	Tuition 3/ & Fees	State Approp	Priv GC & Endow	TOTAL REV 3/	% Chnge	Instruc- tion 4/	Student Ser	Acad Sup 5/	Library 5/	Inst Supprt 4/	Oper Maint	FULL INSTR 6/	Funded Resrch	Pub Ser	Student Aid	TOTAL EXP	% Chnge
UH Hilo																				
1992-93	2,091		10	1,405	10,627	19	12,051		7,034	1,387	1,609	623	1,404	1,486	12,625	257	725	642	14,544	
1993-94	2,447	17.0	7	1,248	9,158	127	10,533	-12.6	6,018	1,467	1,159	127	933	1,333	10,681	158	603	599	12,269	-15.6
1994-95	2,436	-0.5	6	1,179	8,854	115	10,148	-3.7	5,955	1,393	1,142	131	950	1,435	10,388	213	1,410	662	13,161	7.3
1995-96	2,361	-3.1	4	1,556	7,036	198	8,790	-13.4	6,534	1,371	998	443	231	1,335	10,181	278	683	710	12,140	-7.8
1996-97	2,306	-2.3	4	1,988	6,439	132	8,559	-2.6	7,352	1,270	817	488	206	1,289	10,455	180	1,417	652	13,182	8.6
1997-98	2,228	-3.4	7	2,268	5,652	169	8,089	-5.5	6,079	1,282	1,145	585	1,095	1,556	10,488	130	1,447	767	13,502	2.4
% Change FY 93 to 98		6.6						-32.9												-7.2
UH Hilo (Including Systemwide)																				
1992-93	2,091		10	1,405	11,439	20	12,864		7,034	1,398	1,787	623	2,891	1,486	14,301	257	725	642	16,220	
1993-94	2,447	17.0	7	1,248	9,988	130	11,366	-11.7	6,018	1,481	1,293	127	2,043	1,333	11,938	158	603	599	13,526	-16.6
1994-95	2,436	-0.5	6	1,179	9,534	115	10,829	-4.7	5,955	1,405	1,280	131	2,324	1,435	11,911	213	1,410	662	14,684	8.6
1995-96	2,361	-3.1	4	1,556	7,636	199	9,391	-13.3	6,534	1,385	1,165	443	414	1,335	10,542	278	693	710	12,515	-14.8
1996-97	2,306	-2.3	4	1,988	7,066	135	9,189	-2.2	7,387	1,281	949	488	393	1,289	10,819	180	1,417	652	13,547	8.3
1997-98	2,228	-3.4	7	2,268	6,172	169	8,609	-6.3	6,079	1,291	1,306	585	2,032	1,561	11,405	130	1,447	772	14,617	7.9
% Change FY 93 to 98		6.6						-33.1												-9.9
Benchmark Group Average																				
1992-93	3,217		4	2,476	3,755	132	6,362		3,137	601	667	296	919	734	5,978	63	202	1,028	7,352	
1993-94	3,186	-1.0	3	2,603	3,780	136	6,520	2.5	3,206	619	698	313	1,005	774	6,214	63	231	934	7,530	2.4
1994-95	3,174	-0.4	3	2,657	3,921	134	6,713	3.0	3,306	652	707	332	1,026	757	6,357	65	242	951	7,706	2.3
1995-96	3,157	-0.5	3	2,727	3,946	141	6,815	1.5	3,379	691	735	334	1,010	779	6,496	71	259	1,108	8,032	4.2
1996-97	3,182	0.8	3	2,706	4,050	135	6,891	1.1	3,398	707	753	335	1,024	806	6,592	75	245	1,055	8,063	0.4
1997-98	3,175	-0.2	6	2,756	4,174	148	7,078	2.7	3,458	724	790	335	1,044	812	6,650	77	250	1,105	8,260	2.4
% Change FY 93 to 98		-1.3						11.3												12.3
Peer Group Average																				
1992-93	2,834		4	2,984	4,290	158	7,432		3,449	765	793	380	1,250	848	7,023	110	166	973	8,354	
1993-94	2,797	-1.3	2	3,084	4,149	228	7,461	0.4	3,491	829	809	420	1,335	893	7,279	97	161	972	8,585	2.8
1994-95	2,804	0.3	2	3,173	4,753	201	8,128	8.9	3,591	861	873	445	1,315	853	7,412	94	174	974	8,734	1.7
1995-96	2,785	-0.7	1	3,314	4,792	318	8,424	3.6	3,665	929	883	415	1,361	1,022	7,770	88	212	1,124	9,284	6.3
1996-97	2,753	-1.2	1	3,348	5,059	251	8,658	2.8	3,781	979	958	424	1,421	1,100	8,146	95	224	1,258	9,817	5.7
1997-98	2,793	1.5	3	3,363	5,134	261	8,758	1.2	3,800	1,004	930	397	1,452	1,075	7,868	94	225	1,343	9,923	1.1
% Change FY 93 to 98		-1.4						17.8												18.8

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

2/ Revenues and Expenditures for UH Hilo may be overstated due to the inclusion of revenue and expenditure items for Hawai'i Community College.

3/ 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".

4/ The Institutional Research Office was unable to resolve possible data inconsistency for UH Hilo with reporting office for instructional expenditures (FY97) and institutional support expenditures (FY96 and FY97).

5/ Library is included in Academic Support.

6/ 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.

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 HAWAII AT HILO
BENCHMARK AND PEER GROUP COMPARISONS
FISCAL YEAR 1992-93 TO 1997-98
PERCENT DISTRIBUTION**

Year	FTE ENROLLMENT		REVENUES PER FTE STUDENT 1/				EXPENDITURES PER FTE STUDENT 1/										
	Number	% Grads	Tuition 2/ & Fees	State Approp	Priv GC & Endow	TOTAL REV 2/	Instruc- tion 3/	Student Ser	Acad Sup 4/	Library 4/	Inst Supprt 3/	Oper Maint	FULL INSTR 5/	Funded Resrch	Pub Ser	Student Aid	TOTAL EXP
UH Hilo																	
1992-93	2,091	10	12	88	0	100%	48	10	11	4	10	10	87	2	5	4	100%
1993-94	2,447	7	12	87	1	100%	49	12	9	1	8	11	87	1	5	5	100%
1994-95	2,436	6	12	87	1	100%	45	11	9	1	7	11	79	2	11	5	100%
1995-96	2,361	4	18	80	2	100%	54	11	8	4	2	11	84	2	6	6	100%
1996-97	2,306	4	23	75	2	100%	56	10	6	4	2	10	79	1	11	5	100%
1997-98	2,228	7	28	70	2	100%	45	9	8	4	8	12	78	1	11	6	100%
UH Hilo (Including Systemwide)																	
1992-93	2,091	10	11	89	0	100%	43	9	11	4	18	9	88	2	4	4	100%
1993-94	2,447	7	11	88	1	100%	44	11	10	1	15	10	88	1	4	4	100%
1994-95	2,436	6	11	88	1	100%	41	10	9	1	16	10	81	1	10	5	100%
1995-96	2,361	4	17	81	2	100%	52	11	9	4	3	11	84	2	6	6	100%
1996-97	2,306	4	22	77	1	100%	55	9	7	4	3	10	80	1	10	5	100%
1997-98	2,228	7	26	72	2	100%	42	9	9	4	14	11	78	1	10	5	100%
Benchmark Group Average																	
1992-93	3,217	4	40	58	2	100%	43	8	9	4	12	10	81	1	3	14	100%
1993-94	3,186	3	41	57	2	100%	43	8	9	4	13	10	82	1	3	13	100%
1994-95	3,174	3	41	57	2	100%	43	8	9	4	13	10	82	1	3	13	100%
1995-96 6/	3,157	3	41	57	2	100%	42	8	9	4	12	10	81	1	3	14	100%
1996-97	3,182	3	40	58	2	100%	43	9	9	4	12	10	81	1	3	13	100%
1997-98	3,175	6	40	58	2	100%	42	9	10	4	12	10	80	1	3	14	100%
Peer Group Average																	
1992-93	2,834	4	43	55	2	100%	42	9	10	5	14	10	84	1	2	12	100%
1993-94	2,797	2	44	53	3	100%	41	10	10	5	15	10	85	1	2	12	100%
1994-95	2,804	2	40	58	2	100%	42	10	10	5	15	10	85	1	2	12	100%
1995-96 6/	2,785	1	42	55	4	100%	40	10	10	4	14	11	84	1	2	12	100%
1996-97	2,753	1	42	56	3	100%	39	10	10	4	14	11	83	1	2	13	100%
1997-98	2,793	3	41	56	3	100%	39	10	10	4	14	11	80	1	2	13	100%

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3/ The Institutional Research Office was unable to resolve possible data inconsistency for UH Hilo with reporting office for instructional expenditures (FY97) and institutional support expenditures (FY96 and FY97)

4/ Library is included in Academic Support.

5/ 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.

6/ Figures for some items have been corrected from previous 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 HAWAII AT HILO RANKINGS
BENCHMARK AND PEER GROUP COMPARISONS
FISCAL YEAR 1992-93 TO 1997-98**

Year	Number of Schools in Group	ENROLLMENT		REVENUES PER FTE STUDENT 1/				EXPENDITURES PER FTE STUDENT 1/											
		% FTE	% Grads	Tuition 2/ & Fees	State Approp	Priv GC & Endow	TOTAL REV 2/	Instruc- tion 3/	Student Ser	Acad Sup 4/	Library 4/	Inst Supprt 3/	Oper Maint	FULL INSTR 5/	Funded Resrch	Pub Ser	Student Aid	TOTAL EXP	
UH Hilo Ranking in BENCHMARK GROUP																			
1992-93	25	23	3	23	1	22	1	1	1	1	1	4	2	1	1	2	22	1	
1993-94	25	20	3	24	1	14	1	1	1	3	24	12	3	1	4	4	23	1	
1994-95	25	22	3	24	1	14	2	1	2	3	25	10	2	1	2	1	23	1	
1995-96	25	23	8	24	2	7	4	1	2	4	8	25	3	2	2	3	22	2	
1996-97	25	23	9	18	3	14	5	1	3	11	4	25	4	2	4	1	22	2	
1997-98	25	23	10	19	4	10	7	1	3	3	1	10	2	2	7	1	20	2	
(Including Systemwide)																			
1992-93	25	23	3	23	1	22	1	1	1	1	1	1	2	1	1	2	22	1	
1993-94	25	20	3	24	1	14	1	1	1	1	24	2	3	1	4	4	23	1	
1994-95	25	22	3	24	1	14	1	1	2	2	25	2	2	1	2	1	23	1	
1995-96	25	23	8	24	1	7	2	1	2	3	8	25	3	2	2	3	22	2	
1996-97	25	23	9	18	2	13	4	1	3	5	4	25	4	2	4	1	22	1	
1997-98	25	23	10	19	4	10	5	1	3	1	1	2	2	2	7	1	20	1	
UH Hilo Ranking in PEER GROUP																			
1992-93	15	12	2	14	1	13	1	1	2	1	2	6	1	1	2	1	13	1	
1993-94	15	10	1	15	1	10	2	2	2	3	14	10	2	2	5	2	14	2	
1994-95	15	11	2	15	1	11	4	1	3	3	15	8	1	2	2	1	14	2	
1995-96	16	12	2	16	3	10	6	1	4	5	8	16	4	3	2	2	14	3	
1996-97	16	12	2	15	5	11	7	1	5	12	5	16	5	4	2	1	14	5	
1997-98	16	12	3	14	6	10	10	1	6	4	2	10	3	4	5	1	13	3	
(Including Systemwide)																			
1992-93	15	12	2	14	1	13	1	1	2	1	2	1	1	1	2	1	13	1	
1993-94	15	10	1	15	1	10	2	2	2	1	14	3	2	2	5	2	14	2	
1994-95	15	11	2	15	1	11	3	1	3	3	15	3	1	2	2	1	14	1	
1995-96	16	12	2	16	2	10	4	1	4	3	8	16	4	3	2	2	14	3	
1996-97	16	12	2	15	3	11	6	1	5	9	5	16	5	4	2	1	14	1	
1997-98	16	12	3	14	5	10	8	1	6	1	2	4	3	3	5	1	13	1	

1/ Revenues and Expenditures for UH Hilo may be overstated due to the inclusion of revenue and expenditure items for Hawai'i Community College.

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/ The Institutional Research Office was unable to resolve possible data inconsistency for UH Hilo with reporting office for instructional expenditures (FY97) and institutional support expenditures (FY96 and FY97).

4/ Library is included in Academic Support.

5/ 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.

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 HAWAII AT HILO
BENCHMARK GROUP COMPARISONS, PER FTE STUDENT
FISCAL YEAR 1997-98**

INSTITUTION	ENROLLMENT		REVENUES PER FTE STUDENT 1/				EXPENDITURES PER FTE STUDENT 1/										FULL INSTR EXPEND PER FTE STUDENT				
	FTE	% Grad	Tuition & Fees	Priv GC Approp	Endow	TOTAL REV	Instruc-tion	Student Svc	Acad Supp 2/	Library 2/	Inst'l Supprt	Oper Maint	Funded Rsch	Public Svc	Student Aid	TOTAL EXP	Estm Instr	Full HEWI Instr	Adjusted Full Instr	Norm	Devia-tion
1 University of Hawaii at Hilo	2,228	7	2,654	6,613	197	9,464	7,112	1,500	1,340	684	1,282	1,821	152	1,693	897	15,797	12,271	95	12,916	9,600	35%
UH Hilo (including systemwide)	2,228	7	2,654	7,221	198	10,073	7,112	1,511	1,528	684	2,377	1,826	152	1,693	903	17,102	13,344	95	14,046	N/A	N/A
2 Arkansas Tech University	3,624	4	2,346	4,747	209	7,301	3,705	565	710	225	874	734	169	20	1,623	8,400	6,490	88	7,375	9,200	-20%
3 Armstrong Atlantic State University	4,215	10	2,795	5,071	190	8,056	4,511	570	1,197	412	972	688	0	194	1,770	9,903	7,834	93	8,423	9,050	-7%
4 Christopher Newport University	3,771	4	2,914	4,289	114	7,316	3,595	655	968	616	1,060	723	354	43	1,064	8,463	6,766	93	7,275	8,000	-9%
5 Coastal Carolina University	3,834	3	5,120	3,104	202	8,425	3,776	1,198	739	342	1,127	809	275	188	1,661	9,774	7,421	95	7,812	8,000	-2%
6 East Central University	3,558	17	1,455	3,965	7	5,427	3,439	219	411	254	629	646	11	1,473	1,101	7,928	4,857	92	5,280	9,200	-43%
7 Fayetteville State University	3,463	17	1,910	7,282	139	9,331	4,891	597	1,368	562	1,374	1,037	346	604	1,843	12,059	8,709	93	9,364	9,350	0%
8 Fort Lewis College	4,184	0	2,886	3,324	147	6,357	2,922	672	978	319	847	481	86	209	894	7,088	5,724	95	6,026	8,000	-25%
9 Francis Marion University	2,945	13	3,907	4,766	326	8,998	4,086	955	852	522	1,333	1,177	12	121	1,461	9,997	8,316	90	9,240	9,550	-3%
10 Henderson State University	3,165	11	2,317	4,682	35	7,034	3,716	497	767	306	1,012	758	8	159	1,444	8,363	6,654	95	7,005	9,350	-25%
11 Indiana University Kokomo	1,714	12	3,742	6,094	228	10,064	4,839	589	996	517	1,620	972	37	249	700	10,002	8,837	96	9,205	8,700	6%
12 Lake Superior State University	2,778	4	4,058	4,471	137	8,666	3,771	591	978	294	1,382	1,046	93	280	1,205	9,347	7,499	91	8,241	9,450	-13%
13 Lock Haven University of Pennsylvania	3,393	2	4,374	5,165	15	9,554	4,472	1,226	1,164	410	1,699	1,031	0	86	1,362	11,039	9,534	91	10,477	9,200	14%
14 Longwood College	3,054	12	3,287	4,202	308	7,798	4,057	537	1,227	572	1,098	630	16	295	1,216	9,075	7,361	90	8,179	9,350	-13%
15 Mary Washington College	3,334	1	4,084	3,558	374	8,015	4,058	730	1,071	518	1,022	880	87	228	675	8,751	7,577	100	7,577	8,200	-8%
16 Massachusetts College of Liberal Arts	1,353	8	3,928	8,921	1	12,850	6,103	2,354	1,471	389	2,743	1,940	23	26	1,214	15,874	14,576	100	14,576	10,900	34%
17 Minot State University	2,900	5	3,086	4,396	273	7,755	4,594	565	911	391	669	1,175	18	528	1,186	9,647	7,651	92	8,316	9,550	-13%
18 Missouri Western State College	4,209	0	2,922	4,244	160	7,327	4,523	872	419	227	546	743	14	10	1,380	8,507	7,095	90	7,884	7,000	13%
19 Ramapo College of New Jersey	3,466	3	4,235	6,523	4	10,762	4,564	1,568	846	423	2,022	1,766	64	0	1,217	12,047	10,719	106	10,112	7,350	38%
20 Shepherd College	3,092	0	2,779	3,137	159	6,075	2,874	688	673	279	763	528	34	109	731	6,400	5,450	85	6,412	7,500	-15%
21 Southern University at New Orleans	3,322	7	1,942	3,457	0	5,399	2,966	629	1,229	43	1,048	620	50	318	1,911	8,770	6,223	94	6,620	9,200	-28%
22 SUNY College at Old Westbury	3,056	0	3,839	6,410	380	10,630	3,607	876	490	346	2,170	1,368	158	149	2,330	11,148	8,254	101	8,172	7,500	9%
23 University of North Carolina at Asheville	2,560	1	1,938	8,662	426	11,027	5,241	1,003	1,016	641	1,480	1,575	205	947	841	12,308	9,681	103	9,399	8,900	6%
24 University of South Carolina - Spartanburg	2,784	9	3,675	4,291	153	8,119	3,880	898	1,093	505	997	853	63	647	1,241	9,672	7,340	94	7,808	7,650	2%
25 Western State College	2,430	0	3,838	2,464	154	6,456	2,910	1,277	603	290	822	626	26	153	955	7,372	6,154	85	7,240	9,200	-21%

HIGH	4,215	17	5,120	8,921	426	12,850	6,103	2,354	1,471	641	2,743	1,940	354	1,473	2,330	15,874	14,576	106	14,576	10,900	38%
AVERAGE Excluding UHH	3,175	6	3,224	4,884	173	8,281	4,046	847	924	392	1,221	950	90	293	1,293	9,664	7,780	94	8,251	8,723	-5%
LOW	1,353	0	1,455	2,464	0	5,399	2,874	219	411	43	546	481	0	0	675	6,400	4,857	85	5,280	7,000	-43%
% DIFF FROM AVERAGE UHH (w/ sys-wide)	-30%		-18%	35%	14%	14%	76%	77%	45%	75%	5%	92%	69%	478%	-31%	63%	58%	1%	57%	10%	-
RANK UHH	23	10	19	4	10	7	1	3	3	1	10	2	7	1	20	2	2	7	2	2	2
RANK UHH (w/ sys-wide)	23	10	19	4	10	5	1	3	1	1	2	2	7	1	20	1	2	7	2	-	-

1/ Revenues and Expenditures for UH Hilo may be overstated due to the inclusion of revenue and expenditure items for Hawai'i Community College.

2/ Library is included in Academic Support.

Source: Research Associates of Washington.

**Table 2B
UNIVERSITY OF HAWAII' AT HILO
BENCHMARK GROUP COMPARISONS, PER FTE STUDENT
FISCAL YEAR 1997-98
PERCENT DISTRIBUTION**

	INSTITUTION	ENROLLMENT		REVENUES PER FTE STUDENT 1/				EXPENDITURES PER FTE STUDENT 2/									FULL INSTR EXPEND PER FTE STUDENT		
		FTE	% Grad	Tuition & Fees	Priv Approp	GC Endow	TOTAL REV	Instruc- tion	Student Svc	Acad Sup 2/	Library 2/	Inst'l Supprt	Oper Maint	Funded Rsch	Public Svc	Student Aid	TOTAL EXP	Estm Full Instr	Adjusted Full Instr
1	University of Hawaii at Hilo	2,228	7	28	70	2	100%	45	9	8	4	8	12	1	11	6	100%	78	82
	UH Hilo (including systemwide)	2,228	7	26	72	2	100%	42	9	9	4	14	11	1	10	5	100%	78	82
2	Arkansas Tech University	3,624	4	32	65	3	100%	44	7	8	3	10	9	2	0	19	100%	77	88
3	Armstrong Atlantic State University	4,215	10	35	63	2	100%	46	6	12	4	10	7	0	2	18	100%	79	85
4	Christopher Newport University	3,771	4	40	59	2	100%	42	8	11	7	13	9	4	1	13	100%	80	86
5	Coastal Carolina University	3,834	3	61	37	2	100%	39	12	8	3	12	8	3	2	17	100%	76	80
6	East Central University	3,558	17	27	73	0	100%	43	3	5	3	8	8	0	19	14	100%	61	67
7	Fayetteville State University	3,463	17	20	78	1	100%	41	5	11	5	11	9	3	5	15	100%	72	78
8	Fort Lewis College	4,184	0	45	52	2	100%	41	9	14	4	12	7	1	3	13	100%	81	85
9	Francis Marion University	2,945	13	43	53	4	100%	41	10	9	5	13	12	0	1	15	100%	83	92
10	Henderson State University	3,165	11	33	67	0	100%	44	6	9	4	12	9	0	2	17	100%	80	84
11	Indiana University Kokomo	1,714	12	37	61	2	100%	48	6	10	5	16	10	0	2	7	100%	88	92
12	Lake Superior State University	2,778	4	47	52	2	100%	40	6	10	3	15	11	1	3	13	100%	80	88
13	Lock Haven University of Pennsylvania	3,393	2	46	54	0	100%	41	11	11	4	15	9	0	1	12	100%	86	95
14	Longwood College	3,054	12	42	54	4	100%	45	6	14	6	12	7	0	3	13	100%	81	90
15	Mary Washington College	3,334	1	51	44	5	100%	46	8	12	6	12	10	1	3	8	100%	87	87
16	Massachusetts College of Liberal Arts	1,353	8	31	69	0	100%	38	15	9	2	17	12	0	0	8	100%	92	92
17	Minot State University	2,900	5	40	57	4	100%	48	6	9	4	7	12	0	5	12	100%	79	86
18	Missouri Western State College	4,209	0	40	58	2	100%	53	10	5	3	6	9	0	0	16	100%	83	93
19	Ramapo College of New Jersey	3,466	3	39	61	0	100%	38	13	7	4	17	15	1	0	10	100%	89	84
20	Shepherd College	3,092	0	46	52	3	100%	45	11	11	4	12	8	1	2	11	100%	85	100
21	Southern University at New Orleans	3,322	7	36	64	0	100%	34	7	14	0	12	7	1	4	22	100%	71	75
22	SUNY College at Old Westbury	3,056	0	36	60	4	100%	32	8	4	3	19	12	1	1	21	100%	74	73
23	University of North Carolina at Asheville	2,560	1	18	79	4	100%	43	8	8	5	12	13	2	8	7	100%	79	76
24	University of South Carolina - Spartanburg	2,784	9	45	53	2	100%	40	9	11	5	10	9	1	7	13	100%	76	81
25	Western State College	2,430	0	59	38	2	100%	39	17	8	4	11	8	0	2	13	100%	83	98

HIGH	4,215	17	61	79	5	-	53	17	14	7	19	15	4	19	22	-	92	100
AVERAGE Excluding UHH	3,175	6	40	58	2	-	42	9	10	4	12	10	1	3	14	-	80	86
LOW	1,353	0	18	37	0	-	32	3	4	0	6	7	0	0	7	-	61	67

1/ Revenues and Expenditures for UH Hilo may be overstated due to the inclusion of revenue and expenditure items for Hawai'i Community College.

2/ Library is included in Academic Support.

Source: Research Associates of Washington.

**Table 3A
UNIVERSITY OF HAWAII AT HILO
PEER GROUP COMPARISONS, PER FTE STUDENT
FISCAL YEAR 1997-98**

	INSTITUTION	ENROLLMENT		REVENUES PER FTE STUDENT 1/				EXPENDITURES PER FTE STUDENT 1/										FULL INSTR EXPEND PER FTE STUDENT				
		FTE	% Grad	Tuition & Fees	Priv Approp	GC Endow	TOTAL REV	Instruc- tion	Student Svc	Acad Sup 2/	Library 2/	Inst'l Supprt	Oper Maint	Funded Rsch	Public Svc	Student Aid	TOTAL EXP	Estm Instr	Full HEWI Instr	Adjusted Full Instr	Norm	Devia- tion
1	University of Hawaii at Hilo	2,228	7	2,654	6,613	197	9,464	7,112	1,500	1,340	684	1,282	1,821	152	1,693	897	15,797	12,271	95	12,916	9,600	35%
	UH Hilo (including systemwide)	2,228	7	2,654	7,221	198	10,073	7,112	1,511	1,528	684	2,377	1,826	152	1,693	903	17,102	13,344	95	14,046	N/A	N/A
2	Christopher Newport University	3,771	4	2,914	4,289	114	7,316	3,595	655	968	616	1,060	723	354	43	1,064	8,463	7,042	93	7,572	7,975	-5%
3	Fort Lewis College	4,184	0	2,886	3,324	147	6,357	2,922	672	978	319	847	481	86	209	894	7,088	5,282	95	5,559	7,600	-27%
4	Lock Haven University of Pennsylvania	3,393	2	4,374	5,165	15	9,554	4,472	1,226	1,164	410	1,699	1,031	0	86	1,362	11,039	9,173	91	10,080	7,975	26%
5	Longwood College	3,054	12	3,287	4,202	308	7,798	4,057	537	1,227	572	1,098	630	16	295	1,216	9,075	6,992	90	7,769	8,650	-10%
6	Mary Washington College	3,334	1	4,084	3,558	374	8,015	4,058	730	1,071	518	1,022	880	87	228	675	8,751	7,266	100	7,266	8,450	-14%
7	Massachusetts College of Liberal Arts	1,353	8	3,928	8,921	1	12,850	6,103	2,354	1,471	389	2,743	1,940	23	26	1,214	15,874	13,574	100	13,574	8,975	51%
8	Purchase College, SUNY	2,747	3	4,585	12,476	1,555	18,616	5,100	1,329	1,400	552	2,475	2,574	84	504	1,395	14,861	13,125	109	12,097	8,350	45%
9	Ramapo College of New Jersey	3,466	3	4,235	6,523	4	10,762	4,564	1,568	846	423	2,022	1,766	64	0	1,217	12,047	10,762	106	10,153	7,975	27%
10	St. Mary's College of Maryland	1,560	0	6,689	7,747	273	14,709	6,248	1,744	1,247	907	3,636	1,255	95	430	1,097	15,752	13,547	99	13,753	8,850	55%
11	Savannah State University	2,504	3	2,319	7,135	127	9,581	4,693	849	1,229	281	2,194	1,197	183	813	5,678	16,835	9,518	94	10,179	8,350	22%
12	Southwest State University	2,214	7	3,002	6,010	290	9,302	4,423	1,697	1,141	319	1,543	1,133	147	80	1,347	11,511	10,087	88	11,462	8,600	33%
13	SUNY College at Old Westbury	3,056	0	3,839	6,410	380	10,630	3,607	876	490	346	2,170	1,368	158	149	2,330	11,148	7,949	101	7,870	8,100	-3%
14	University of Minnesota - Morris	1,872	0	4,854	5,690	313	10,856	4,141	1,592	1,517	444	757	1,473	114	82	2,215	11,890	8,170	91	8,978	8,725	3%
15	University of North Carolina at Asheville	2,560	1	1,938	8,662	426	11,027	5,241	1,003	1,016	641	1,480	1,575	205	947	841	12,308	9,466	104	9,146	8,475	8%
16	University of Pittsburgh Johnstown Campus	2,826	0	6,084	0	244	6,328	3,460	790	552	222	746	837	40	57	1,023	7,506	6,118	92	6,686	8,225	-19%

HIGH		4,184	12	6,689	12,476	1,555	18,616	6,248	2,354	1,517	907	3,636	2,574	354	947	5,678	16,835	13,574	109	13,753	8,975	55%
AVERAGE	Excluding UHH	2,793	3	3,935	6,007	305	10,247	4,446	1,175	1,088	464	1,699	1,258	110	263	1,571	11,610	9,205	97	9,476	8,352	13%
LOW		1,353	0	1,938	0	1	6,328	2,922	537	490	222	746	481	0	0	675	7,088	5,282	88	5,559	7,600	-27%
% DIFF	UHH	-20%		-33%	10%	-35%	-8%	60%	28%	23%	47%	-25%	45%	38%	544%	-43%	36%	33%	-2%	36%	15%	-
FROM																						
AVERAGE	UHH (w/ sys-wide)	-20%		-33%	20%	-35%	-2%	60%	29%	40%	47%	40%	45%	38%	544%	-43%	47%	45%	-2%	48%	-	-
RANK	UHH	12	3	14	6	10	10	1	6	4	2	10	3	5	1	13	3	4	8	3	6	3
	UHH (w/ sys-wide)	12	3	14	5	10	8	1	6	1	2	4	3	5	1	13	1	3	8	1	-	-

1/ Revenues and Expenditures for UH Hilo may be overstated due to the inclusion of revenue and expenditure items for Hawai'i Community College.

2/ Library is included in Academic Support.

Source: Research Associates of Washington.

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

	INSTITUTION	ENROLLMENT		REVENUES PER FTE STUDENT 1/				EXPENDITURES PER FTE STUDENT 1/										FULL INSTR EXPEND PER FTE STUDENT	
		% FTE	Grad	Tuition & Fees	Priv GC Approp	Endow	TOTAL REV	Instruc- tion	Student Svc	Acad Sup 2/	Library 2/	Inst'l Supprt	Oper Maint	Funded Rsch	Public Svc	Student Aid	TOTAL EXP	Estm Full Instr	Adjusted Full Instr
1	University of Hawaii at Hilo	2,228	7	28	70	2	100%	45	9	8	4	8	12	1	11	6	100%	78	82
	UH Hilo (including systemwide)	2,228	7	26	72	2	100%	42	9	9	4	14	11	1	10	5	100%	78	82
2	Christopher Newport University	3,771	4	40	59	2	100%	42	8	11	7	13	9	4	1	13	100%	83	89
3	Fort Lewis College	4,184	0	45	52	2	100%	41	9	14	4	12	7	1	3	13	100%	75	78
4	Lock Haven University of Pennsylvania	3,393	2	46	54	0	100%	41	11	11	4	15	9	0	1	12	100%	83	91
5	Longwood College	3,054	12	42	54	4	100%	45	6	14	6	12	7	0	3	13	100%	77	86
6	Mary Washington College	3,334	1	51	44	5	100%	46	8	12	6	12	10	1	3	8	100%	83	83
7	Massachusetts College of Liberal Arts	1,353	8	31	69	0	100%	38	15	9	2	17	12	0	0	8	100%	86	86
13	Purchase College, SUNY	2,747	3	25	67	8	100%	34	9	9	4	17	17	1	3	9	100%	88	81
8	Ramapo College of New Jersey	3,466	3	39	61	0	100%	38	13	7	4	17	15	1	0	10	100%	89	84
9	St. Mary's College of Maryland	1,560	0	45	53	2	100%	40	11	8	6	23	8	1	3	7	100%	86	87
10	Savannah State University	2,504	3	24	74	1	100%	28	5	7	2	13	7	1	5	34	100%	57	60
11	Southwest State University	2,214	7	32	65	3	100%	38	15	10	3	13	10	1	1	12	100%	88	100
12	SUNY College at old Westbury	3,056	0	36	60	4	100%	32	8	4	3	19	12	1	1	21	100%	71	71
14	University of Minnesota - Morris	1,872	0	45	52	3	100%	35	13	13	4	6	12	1	1	19	100%	69	76
15	University of North Carolina at Asheville	2,560	1	18	79	4	100%	43	8	8	5	12	13	2	8	7	100%	77	74
16	University of Pittsburgh Johnstown Campus	2,826	0	96	0	4	100%	46	11	7	3	10	11	1	1	14	100%	82	89

HIGH	4,184	12	96	79	8	-	46	15	14	7	23	17	4	8	34	-	89	100
AVERAGE Excluding UHH	2,793	3	41	56	3	-	39	10	10	4	14	11	1	2	13	-	80	82
LOW	1,353	0	18	0	0	-	28	5	4	2	6	7	0	0	7	-	57	60

1/ Revenues and Expenditures for UH Hilo may be overstated due to the inclusion of revenue and expenditure items for Hawai'i Community College.

2/ Library is included in Academic Support.

Source: Research Associates of Washington.

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

STATE	CARNEGIE CLASSIFICATION	NAME	CITY	FICE CODE	ENROLLMENT	
					FTE Enroll	% Grad
HI	Bach II	University of Hawaii at Hilo	Hilo	1611	2,228	7
AR	Master I	Arkansas Tech University	Russellville	1089	3,624	4
GA	Master I	Armstrong Atlantic State University 1/	Savannah	1546	4,215	10
VA	Bach II	Christopher Newport University	Newport News	3706	3,771	4
SC	Bach II	Coastal Carolina University 2/	Conway	3451	3,834	3
OK	Master I	East Central University	Ada	3154	3,558	17
NC	Master I	Fayetteville State University	Fayetteville	2928	3,463	17
CO	Bach II	Fort Lewis College	Durango	1353	4,184	0
SC	Master II	Francis Marion University	Florence	9226	2,945	13
AR	Master I	Henderson State University	Arkadelphia	1098	3,165	11
IN	Master II	Indiana University Kokomo	Kokomo	1814	1,714	12
MI	Master II	Lake Superior State University	Sault Sainte Marie	2293	2,778	4
PA	Bach II	Lock Haven University of Pennsylvania	Lock Haven	3323	3,393	2
VA	Master II	Longwood College	Farmville	3719	3,054	12
VA	Master II	Mary Washington College	Fredericksburg	3746	3,334	1
MA	Bach II	Massachusetts College of Liberal Arts 3/	North Adams	2187	1,353	8
ND	Master I	Minot State University	Minot	2994	2,900	5
MO	Bach II	Missouri Western State College	Saint Joseph	2490	4,209	0
NJ	Bach II	Ramapo College of New Jersey	Mahwah	9344	3,466	3
WV	Bach II	Shepherd College	Shepherdstown	3822	3,092	0
LA	Master II	Southern University at New Orleans	New Orleans	2026	3,322	7
NY	Bach II	SUNY College at Old Westbury	Old Westbury	7109	3,056	0
NC	Bach II	University of North Carolina at Asheville	Asheville	2907	2,560	1
SC	Bach II	University of South Carolina - Spartanburg	Spartanburg	6951	2,784	9
CO	Bach II	Western State College	Gunnison	1372	2,430	0

1/ Formerly called Armstrong State College.

2/ Formerly called USC Coastal Carolina College.

3/ Formerly called North Adams State College.

Source: Research Associates of Washington.

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

STATE	CARNEGIE CLASSIFICATION	NAME	CITY	FICE CODE	ENROLLMENT	
					FTE Enroll	% Grad
HI	Bach II	University of Hawaii at Hilo	Hilo	1611	2,228	7
VA	Bach II	Christopher Newport University	Newport News	3706	3,771	4
CO	Bach II	Fort Lewis College	Durango	1353	4,184	0
PA	Bach II	Lock Haven University of Pennsylvania	Lock Haven	3323	3,393	2
VA	Master II	Longwood College	Farmville	3719	3,054	12
VA	Master II	Mary Washington College	Fredericksburg	3746	3,334	1
MA	Bach II	Massachusetts College of Liberal Arts 1/	North Adams	2187	1,353	8
NY	Bach II	Purchase College, SUNY	Purchase	6791	2,747	3
NJ	Bach II	Ramapo College of New Jersey	Mahwah	9344	3,466	3
MD	Bach I	St. Mary's College of Maryland	Saint Mary's City	2095	1,560	0
GA	Bach II	Savannah State University 2/	Savannah	1590	2,504	3
MN	Bach II	Southwest State University	Marshall	2375	2,214	7
NY	Bach II	SUNY College at old Westbury	Old Westbury	7109	3,056	0
MN	Bach I	University of Minnesota - Morris	Morris	2389	1,872	0
NC	Bach I	University of North Carolina at Asheville	Asheville	2907	2,560	1
PA	Bach II	University of Pittsburgh Johnstown Campus	Johnstown	3382	2,826	0

1/ Formerly called North Adams State College.

2/ Formerly called Savannah State College.

Source: Research Associates of Washington.

**Appendix 3
HIGHER EDUCATION PRICE INDEX (HEPI) 1/
FISCAL YEAR 1992-93 TO 1997-98**

FISCAL YEAR	HIGHER EDUCATION PRICE INDEX	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’ 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.