

**REVENUES AND EXPENDITURES:  
PEER AND BENCHMARK COMPARISONS  
UNIVERSITY OF HAWAI'I AT MANOA  
FISCAL YEAR 1998-99**

Institutional Research Office

University of Hawai'i

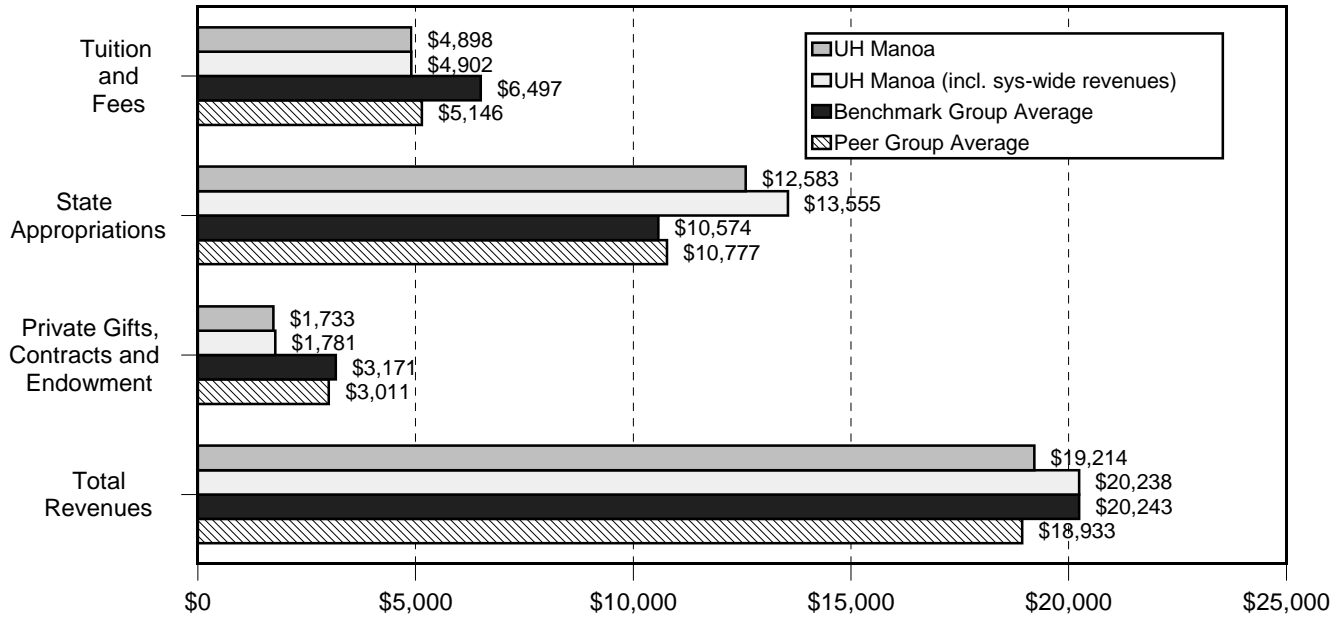
April 2002

File Reference: Management and Planning Support Folder, Finance

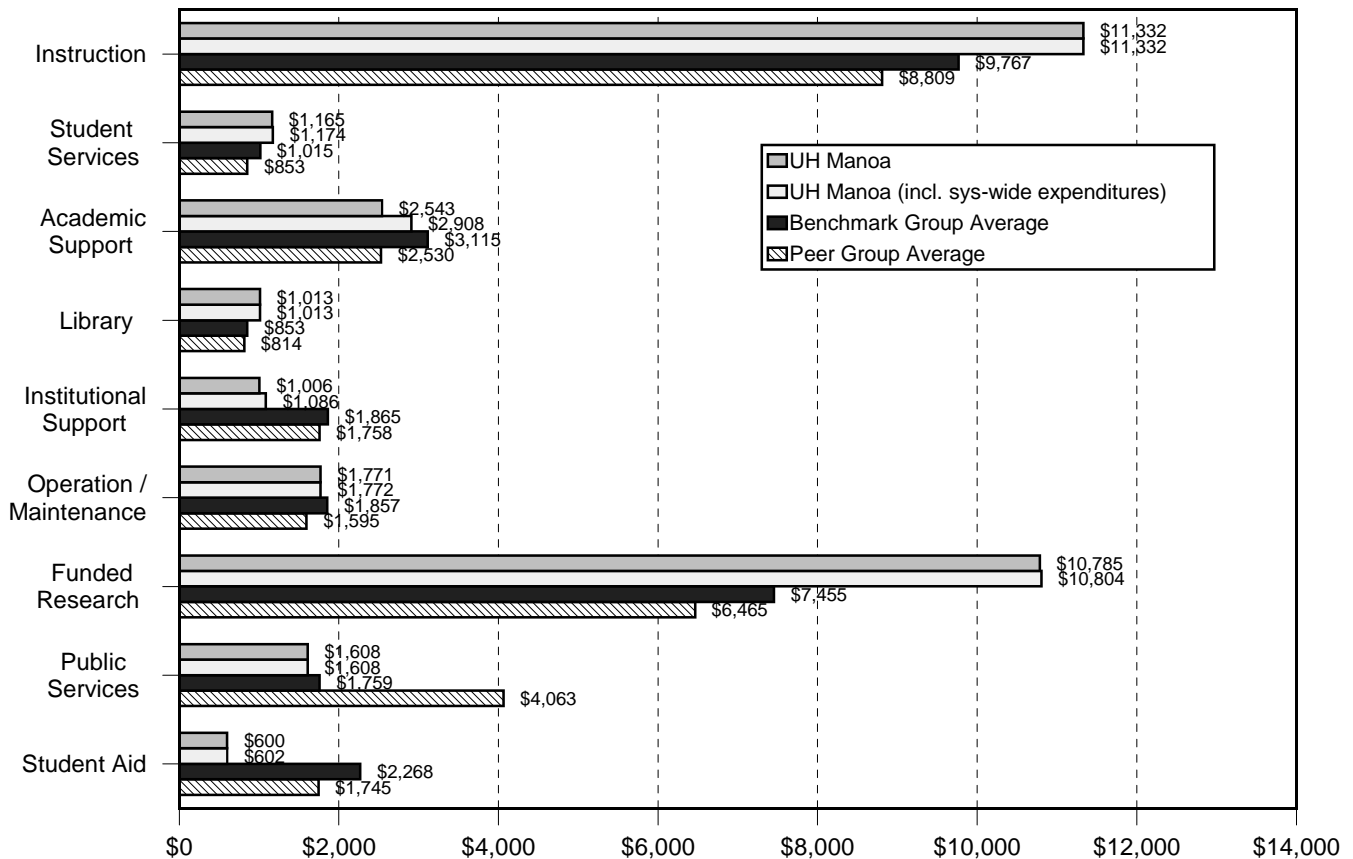
Reports available online at: <http://www.hawaii.edu/iro/maps.htm>

# University of Hawai'i at Mānoa Benchmark and Peer Group Comparisons, FY 1998-99

**Figure 1  
Revenues per FTE Student**

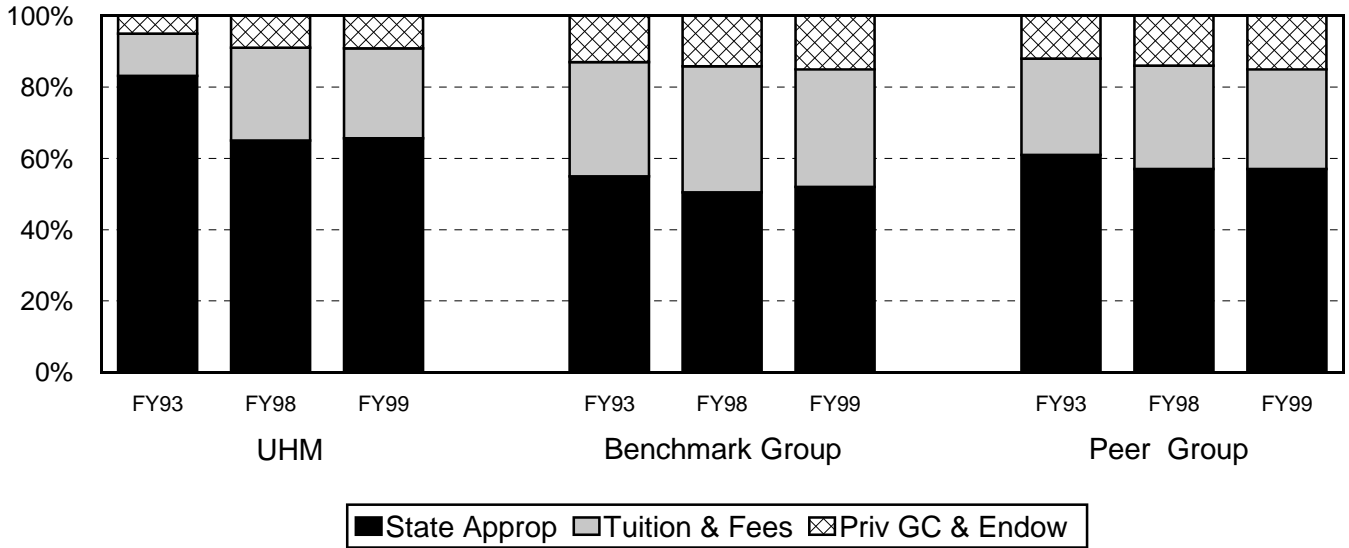


**Figure 2  
Expenditures per FTE Student**

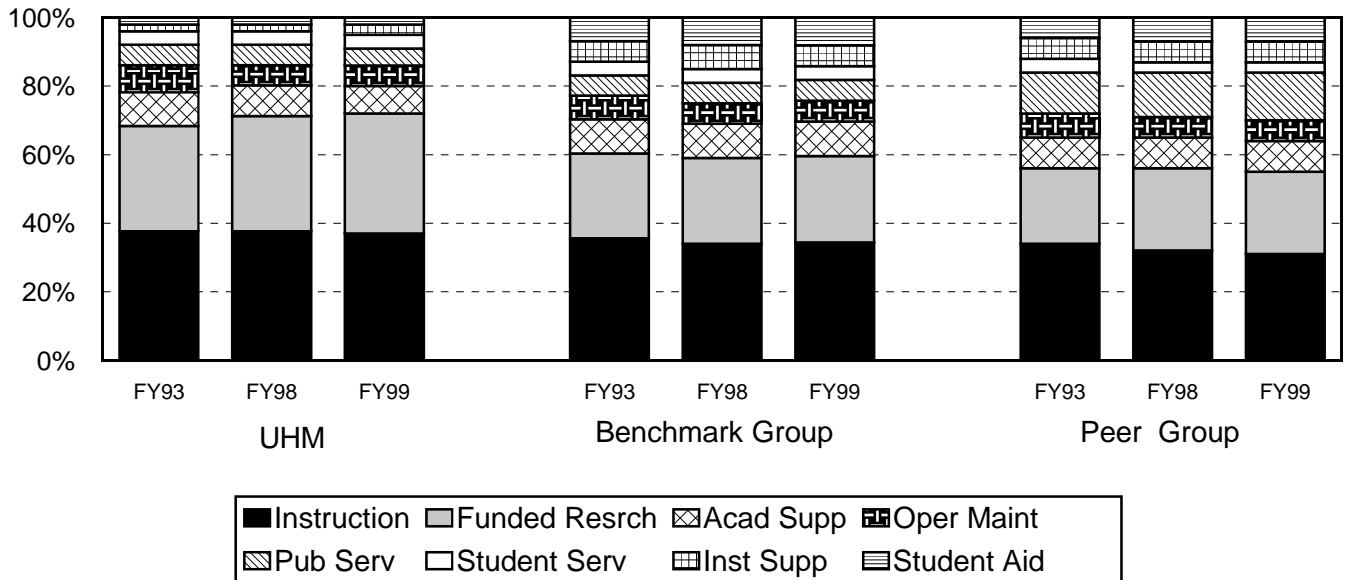


# University of Hawai'i at Mānoa Benchmark and Peer Group Comparisons

**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

Figure 5  
UH Manoa

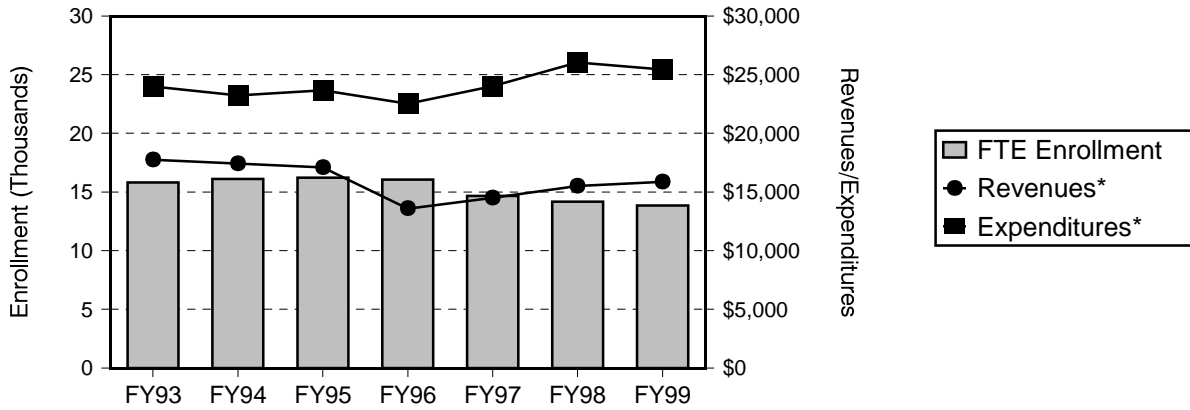


Figure 6  
Benchmark Group Average

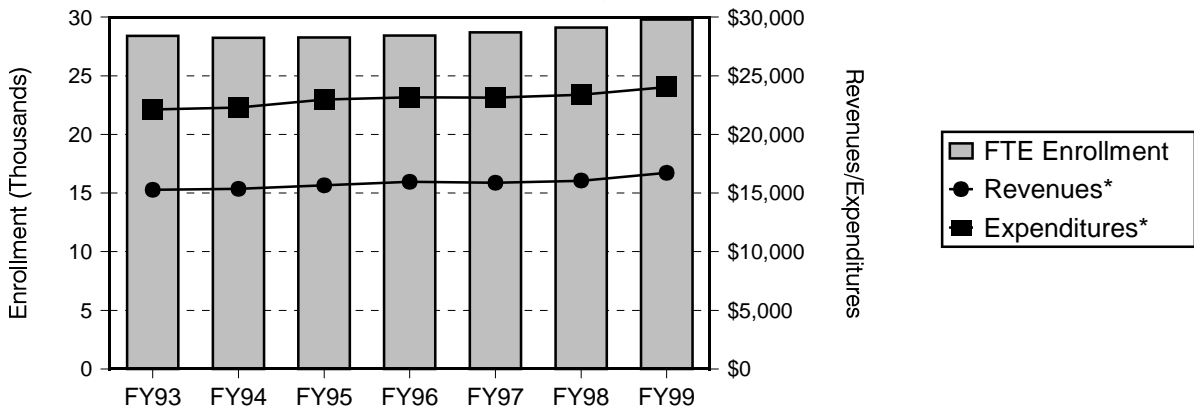
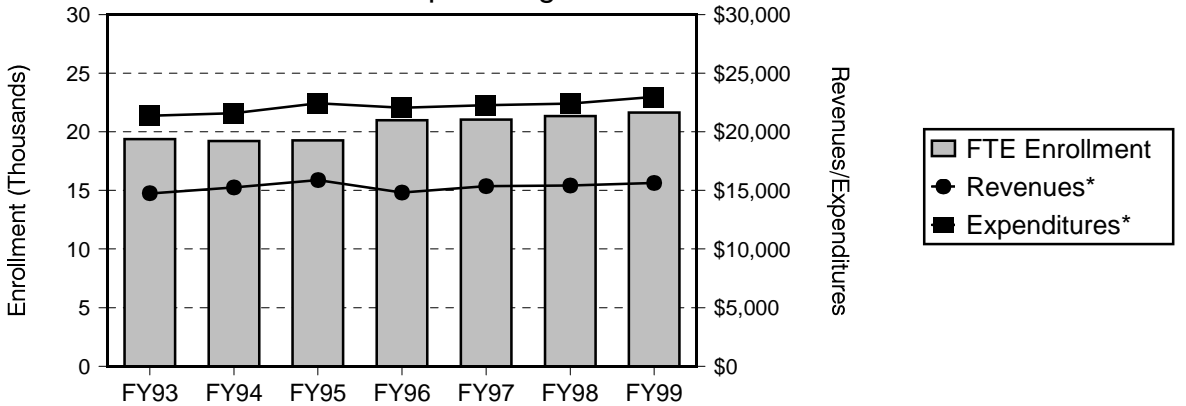


Figure 7  
Peer Group Average



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



Table 1A (cont.)

Year	FTE ENROLLMENT			REVENUES PER FTE STUDENT					EXPENDITURES PER FTE STUDENT											
	Number	% Chnge	% Grads	Tuition 2/ & Fees	State Approp	Priv GC & Endow	TOTAL REV 2/	% Chnge	Instruc- tion	Student Ser	Acad Sup 3/	Library 3/	Inst Supprt	Oper Maint	ESTM FULL INSTR 4/	Funded Resrch	Pub Ser	Student Aid	TOTAL EXP	% Chnge
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 5/	20,983	NA	22	4,528	8,603	1,926	14,826	NA	7,107	697	1,922	631	1,366	1,348	9,201	5,259	2,646	1,709	22,055	NA
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
1998-99	21,644	1.4	25	4,249	8,899	2,486	15,634	1.3	7,274	704	2,089	672	1,452	1,317	10,319	5,339	3,355	1,441	22,970	2.5
% Change FY 93 to 99		11.8						6.1												7.5

NA means not applicable.

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/ 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.

6/ For FY98-99, data was not available for one institution in the benchmark 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: Beginning FY98-99, data were extracted from the NCES on-line IPEDS Peer Analysis System. Data prior to FY98-99 were provided by Research Associates of Washington.

**TABLE 1B**  
**UNIVERSITY OF HAWAII AT MANOA**  
**BENCHMARK AND PEER GROUP COMPARISONS**  
**FISCAL YEAR 1992-93 TO 1998-99**  
**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	ESTM 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%
1998-99	13,856	31	25	65	9	100%	37	4	8	3	3	6	49	35	5	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%
1998-99	13,856	31	24	67	9	100%	36	4	9	3	3	6	49	35	5	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%
1998-99 5/	29,801	27	33	52	15	100%	34	4	10	3	6	6	51	25	6	8	100%

**Table 1B (cont.)**

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	ESTM FULL INSTR 3/	Funded Resrch	Pub Ser	Student Aid	TOTAL EXP
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%
1998-99	21,644	25	28	57	15	100%	31	3	9	3	6	6	45	24	14	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 "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. Percent distribution of revenue source (per FTE student) were not calculated for these institutions. Please note that these items were miscalculated in the FY95-96 report and has been corrected in this report.

5/ For FY98-99, data was not available for one institution in the benchmark 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: Beginning FY98-99, data were extracted from the NCES on-line IPEDS Peer Analysis System. Data prior to FY98-99 were provided by Research Associates of Washington.



**Table 2A  
UNIVERSITY OF HAWAI'I AT MANOA  
BENCHMARK GROUP COMPARISONS, PER FTE STUDENT  
FISCAL YEAR 1998-99**

	INSTITUTION	ENROLLMENT		REVENUES PER FTE STUDENT			FUNCTIONAL EXPENDITURES PER FTE STUDENT											
		FTE	% Grad	Tuition & Fees	Priv GC Approp	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 2/
1	<b>University Of Hawaii at Manoa</b>	<b>13,856</b>	<b>31</b>	<b>4,898</b>	<b>12,583</b>	<b>1,733</b>	<b>19,214</b>	<b>11,332</b>	<b>1,165</b>	<b>2,543</b>	<b>1,013</b>	<b>1,006</b>	<b>1,771</b>	<b>10,785</b>	<b>1,608</b>	<b>600</b>	<b>30,810</b>	<b>15,168</b>
	<b>UH Manoa (including systemwide)</b>	<b>13,856</b>	<b>31</b>	<b>4,902</b>	<b>13,555</b>	<b>1,781</b>	<b>20,238</b>	<b>11,332</b>	<b>1,174</b>	<b>2,908</b>	<b>1,013</b>	<b>1,086</b>	<b>1,772</b>	<b>10,804</b>	<b>1,608</b>	<b>602</b>	<b>31,286</b>	<b>15,400</b>
2	Indiana University at Bloomington	31,984	22	7,344	6,381	1,085	14,810	7,157	760	1,466	690	1,753	1,254	1,745	1,026	1,912	17,073	11,230
3	Michigan State University	37,918	21	6,252	9,050	1,647	16,949	8,403	572	2,023	397	1,239	1,315	4,220	3,181	1,245	22,198	11,483
4	State University of New York at Buffalo	19,691	33	5,084	13,140	1,691	19,915	9,921	757	2,454	852	2,670	1,958	3,127	352	1,499	22,738	16,020
5	University Of Arizona	29,132	24	5,155	10,781	2,740	18,676	8,159	703	2,191	736	1,852	1,389	7,604	1,432	2,339	25,669	11,552
6	University Of California - Berkeley	29,262	28	7,868	13,496	5,169	26,533	10,809	2,009	4,153	1,407	2,545	1,890	9,885	1,062	3,536	35,889	17,450
7	University Of California - Davis	23,162	22	5,684	14,989	2,579	23,252	11,646	1,502	3,920	889	1,823	2,096	9,312	1,408	2,188	33,895	17,466
8	University Of California - Los Angeles	34,634	33	6,424	14,415	5,380	26,219	17,446	1,288	5,976	1,142	2,451	1,536	10,162	810	3,177	42,846	25,017
9	University Of Florida	38,725	26	3,147	12,689	1,454	17,290	9,452	636	2,153	585	1,584	1,485	7,115	2,206	1,258	25,889	12,802
10	University Of Illinois At Urbana	35,418	25	5,484	8,452	2,913	16,849	6,910	892	2,335	711	614	1,895	7,423	3,238	2,734	26,041	9,849
11	University Of Iowa	24,558	33	5,006	10,463	2,301	17,770	9,236	870	3,006	934	1,140	1,904	5,832	2,331	1,720	26,039	13,453
12	University Of Maryland College Park	28,181	25	6,385	9,696	1,881	17,962	7,540	779	2,442	591	1,264	1,708	7,305	1,492	1,755	24,285	10,950
13	University Of Michigan, Ann Arbor	34,833	35	13,162	9,471	5,194	27,827	11,722	1,452	3,805	1,151	2,525	3,441	11,165	1,189	4,263	39,562	18,216
14	University Of Minnesota - Twin Cities	35,500	28	6,581	14,964	6,241	27,786	11,359	1,474	5,313	1,107	4,313	3,130	9,254	3,982	2,056	40,881	19,112
15	University Of Missouri - Columbia	20,499	22	6,640	9,032	2,233	17,905	9,814	1,118	2,509	651	1,048	1,533	5,301	2,487	2,521	26,331	13,904
16	University of Oregon	15,716	22	6,491	3,497	1,124	11,112	5,995	781	1,650	838	1,255	914	2,284	1,031	1,141	15,051	9,340
17	University Of Washington	31,177	28	7,041	9,181	4,500	20,722	12,115	591	4,348	884	2,578	2,162	12,841	461	3,148	38,244	17,146
18	University Of Wisconsin - Madison	36,228	27	6,706	10,069	5,783	22,558	8,355	1,068	3,216	929	1,058	1,953	12,159	2,213	2,056	32,078	11,889

<b>HIGH AVERAGE LOW</b>	<b>Excluding UHM and UHM w/ systemwide</b>	<b>38,725</b>	<b>35</b>	<b>13,162</b>	<b>14,989</b>	<b>6,241</b>	<b>27,827</b>	<b>17,446</b>	<b>2,009</b>	<b>5,976</b>	<b>1,407</b>	<b>4,313</b>	<b>3,441</b>	<b>12,841</b>	<b>3,982</b>	<b>4,263</b>	<b>42,846</b>	<b>25,017</b>
		<b>29,801</b>	<b>27</b>	<b>6,497</b>	<b>10,574</b>	<b>3,171</b>	<b>20,243</b>	<b>9,767</b>	<b>1,015</b>	<b>3,115</b>	<b>853</b>	<b>1,865</b>	<b>1,857</b>	<b>7,455</b>	<b>1,759</b>	<b>2,268</b>	<b>29,101</b>	<b>14,522</b>
		<b>15,716</b>	<b>21</b>	<b>3,147</b>	<b>3,497</b>	<b>1,085</b>	<b>11,112</b>	<b>5,995</b>	<b>572</b>	<b>1,466</b>	<b>397</b>	<b>614</b>	<b>914</b>	<b>1,745</b>	<b>352</b>	<b>1,141</b>	<b>15,051</b>	<b>9,340</b>
<b>% DIFF FROM AVERAGE</b>	<b>UHM</b>	<b>-54%</b>	<b>15%</b>	<b>-25%</b>	<b>19%</b>	<b>-45%</b>	<b>-5%</b>	<b>16%</b>	<b>15%</b>	<b>-18%</b>	<b>19%</b>	<b>-46%</b>	<b>-5%</b>	<b>45%</b>	<b>-9%</b>	<b>-74%</b>	<b>6%</b>	<b>4%</b>
	<b>UHM (w/ sys-wide)</b>	<b>-54%</b>	<b>15%</b>	<b>-25%</b>	<b>28%</b>	<b>-44%</b>	<b>0%</b>	<b>16%</b>	<b>16%</b>	<b>-7%</b>	<b>19%</b>	<b>-42%</b>	<b>-5%</b>	<b>45%</b>	<b>-9%</b>	<b>-73%</b>	<b>8%</b>	<b>6%</b>
<b>RANK</b>	<b>UHM</b>	<b>18</b>	<b>5</b>	<b>17</b>	<b>7</b>	<b>13</b>	<b>9</b>	<b>6</b>	<b>6</b>	<b>9</b>	<b>5</b>	<b>17</b>	<b>10</b>	<b>4</b>	<b>8</b>	<b>18</b>	<b>8</b>	<b>8</b>
	<b>UHM (w/ sys-wide)</b>	<b>18</b>	<b>5</b>	<b>17</b>	<b>4</b>	<b>13</b>	<b>8</b>	<b>6</b>	<b>6</b>	<b>9</b>	<b>5</b>	<b>15</b>	<b>10</b>	<b>4</b>	<b>8</b>	<b>18</b>	<b>8</b>	<b>8</b>

1/ Library is included in Academic Support.

2/ This is the estimated full instructional expenditure, not adjusted by cost of living index (CLI) or higher education wage index (HEWI). Calculations are based on methodology developed by Research Associates of Washington. Please refer to Appendix 4. Data for the HEWI, adjusted and normative value for full instructional expenditure per FTE student that were provided in previous reports are not available.

Note: Data was not available for University Of Colorado At Boulder.

Source: NCES on-line IPEDS Peer Analysis System.

**Table 2B**  
**UNIVERSITY OF HAWAI'I AT MANOA**  
**BENCHMARK GROUP COMPARISONS, PER FTE STUDENT**  
**FISCAL YEAR 1998-99**  
**PERCENT DISTRIBUTION**

	INSTITUTION	ENROLLMENT		REVENUES PER FTE STUDENT				FUNCTIONAL EXPENDITURES PER FTE STUDENT										
		FTE	% Grad	Tuition & Fees	Priv Approp	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 2/
1	<b>University Of Hawaii at Manoa</b>	<b>13,856</b>	<b>31</b>	<b>25</b>	<b>65</b>	<b>9</b>	100%	<b>37</b>	<b>4</b>	<b>8</b>	<b>3</b>	<b>3</b>	<b>6</b>	<b>35</b>	<b>5</b>	<b>2</b>	<b>100%</b>	<b>49</b>
	<b>UH Manoa (including systemwide)</b>	<b>13,856</b>	<b>31</b>	<b>24</b>	<b>67</b>	<b>9</b>	100%	<b>36</b>	<b>4</b>	<b>9</b>	<b>3</b>	<b>3</b>	<b>6</b>	<b>35</b>	<b>5</b>	<b>2</b>	<b>100%</b>	<b>49</b>
2	Indiana University at Bloomington	31,984	22	50	43	7	100%	42	4	9	4	10	7	10	6	11	100%	66
3	Michigan State University	37,918	21	37	53	10	100%	38	3	9	2	6	6	19	14	6	100%	52
4	State University of New York at Buffalo	19,691	33	26	66	8	100%	44	3	11	4	12	9	14	2	7	100%	70
5	University Of Arizona	29,132	24	28	58	15	100%	32	3	9	3	7	5	30	6	9	100%	45
6	University Of California - Berkeley	29,262	28	30	51	19	100%	30	6	12	4	7	5	28	3	10	100%	49
7	University Of California - Davis	23,162	22	24	64	11	100%	34	4	12	3	5	6	27	4	6	100%	52
8	University Of California - Los Angeles	34,634	33	25	55	21	100%	41	3	14	3	6	4	24	2	7	100%	58
9	University Of Florida	38,725	26	18	73	8	100%	37	2	8	2	6	6	27	9	5	100%	49
10	University Of Illinois At Urbana	35,418	25	33	50	17	100%	27	3	9	3	2	7	29	12	10	100%	38
11	University Of Iowa	24,558	33	28	59	13	100%	35	3	12	4	4	7	22	9	7	100%	52
12	University Of Maryland College Park	28,181	25	36	54	10	100%	31	3	10	2	5	7	30	6	7	100%	45
13	University Of Michigan, Ann Arbor	34,833	35	47	34	19	100%	30	4	10	3	6	9	28	3	11	100%	46
14	University Of Minnesota - Twin Cities	35,500	28	24	54	22	100%	28	4	13	3	11	8	23	10	5	100%	47
15	University Of Missouri - Columbia	20,499	22	37	50	12	100%	37	4	10	2	4	6	20	9	10	100%	53
16	University of Oregon	15,716	22	58	31	10	100%	40	5	11	6	8	6	15	7	8	100%	62
17	University Of Washington	31,177	28	34	44	22	100%	32	2	11	2	7	6	34	1	8	100%	45
18	University Of Wisconsin - Madison	36,228	27	30	45	26	100%	26	3	10	3	3	6	38	7	6	100%	37

<b>HIGH</b>		<b>38,725</b>	<b>35</b>	<b>58</b>	<b>73</b>	<b>26</b>	-	<b>44</b>	<b>6</b>	<b>14</b>	<b>6</b>	<b>12</b>	<b>9</b>	<b>38</b>	<b>14</b>	<b>11</b>	-	<b>70</b>
<b>AVERAGE</b>	<b>Excluding UHM and UHM w/ systemwide</b>	<b>29,801</b>	<b>27</b>	<b>33</b>	<b>52</b>	<b>15</b>	-	<b>34</b>	<b>4</b>	<b>10</b>	<b>3</b>	<b>6</b>	<b>6</b>	<b>25</b>	<b>6</b>	<b>8</b>	-	<b>51</b>
<b>LOW</b>		<b>15,716</b>	<b>21</b>	<b>18</b>	<b>31</b>	<b>7</b>	-	<b>26</b>	<b>2</b>	<b>8</b>	<b>2</b>	<b>2</b>	<b>4</b>	<b>10</b>	<b>1</b>	<b>5</b>	-	<b>37</b>

1/ Library is included in Academic Support.

2/ This is the estimated full instructional expenditure, not adjusted by cost of living index (CLI) or higher education wage index (HEWI). Calculations are based on methodology developed by Research Associates of Washington. Please refer to Appendix 4. Data for the HEWI, adjusted and normative value for full instructional expenditure per FTE student that were provided in previous reports are not available.

Note: Data was not available for University Of Colorado At Boulder.

Source: NCES on-line IPEDS Peer Analysis System.

**Table 3A  
UNIVERSITY OF HAWAII AT MANOA  
PEER GROUP COMPARISONS, PER FTE STUDENT  
FISCAL YEAR 1998-99**

	INSTITUTION	ENROLLMENT		REVENUES PER FTE STUDENT				FUNCTIONAL EXPENDITURES PER FTE STUDENT										
		FTE	% Grad	Tuition & Fees	Priv Approp	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 2/
1	<b>University Of Hawaii at Manoa</b>	<b>13,856</b>	<b>31</b>	<b>4,898</b>	<b>12,583</b>	<b>1,733</b>	<b>19,214</b>	<b>11,332</b>	<b>1,165</b>	<b>2,543</b>	<b>1,013</b>	<b>1,006</b>	<b>1,771</b>	<b>10,785</b>	<b>1,608</b>	<b>600</b>	<b>30,810</b>	<b>15,168</b>
	<b>UH Manoa (including systemwide)</b>	<b>13,856</b>	<b>31</b>	<b>4,902</b>	<b>13,555</b>	<b>1,781</b>	<b>20,238</b>	<b>11,332</b>	<b>1,174</b>	<b>2,908</b>	<b>1,013</b>	<b>1,086</b>	<b>1,772</b>	<b>10,804</b>	<b>1,608</b>	<b>602</b>	<b>31,286</b>	<b>15,400</b>
2	Colorado State University	22,004	24	5,427	5,338	1,239	12,004	5,773	719	1,265	522	1,307	963	4,465	1,826	1,234	17,552	8,287
3	Iowa State University	23,011	18	4,463	11,410	1,513	17,386	6,404	919	2,031	620	1,404	1,248	5,659	2,817	1,521	22,003	9,494
4	Louisiana State Univ & Ag & Mech Coll	27,047	19	3,791	7,691	717	12,199	5,217	331	1,423	517	1,196	1,043	4,362	1,913	1,103	16,588	7,266
5	Oregon State University	13,773	20	4,938	8,414	2,318	15,670	6,775	741	2,002	578	1,685	1,169	8,073	3,238	1,460	25,143	9,455
6	University Of California - Davis	23,162	22	5,684	14,989	2,579	23,252	11,646	1,502	3,920	889	1,823	2,096	9,312	1,408	2,188	33,895	17,466
7	University Of Georgia	27,304	22	4,195	14,731	1,805	20,731	5,784	701	2,570	787	2,159	2,043	7,186	4,694	1,765	26,902	8,876
8	University Of Kentucky	20,555	28	4,862	13,550	3,944	22,356	9,776	889	2,829	970	1,889	1,529	6,193	6,474	1,650	31,229	13,520
9	University Of Missouri - Columbia	20,499	22	6,640	9,032	2,233	17,905	9,814	1,118	2,509	651	1,048	1,533	5,301	2,487	2,521	26,331	13,904
10	University Of North Carolina At Chapel Hill	21,386	37	5,162	17,880	5,487	28,529	19,232	639	2,824	1,263	2,467	3,063	8,182	4,024	2,072	42,503	25,046
11	University Of Tennessee at Knoxville	22,717	24	4,517	9,678	1,482	15,677	6,698	1,234	2,055	589	885	1,228	4,204	2,995	1,152	20,451	10,117
12	University Of Utah	18,869	19	3,648	9,575	5,823	19,046	8,995	673	3,071	1,120	3,002	1,813	7,634	15,673	1,086	41,947	11,980
13	University Of Virginia	19,405	40	8,425	7,033	6,988	22,446	9,595	765	3,856	1,263	2,226	1,410	7,011	1,211	3,183	29,257	14,537

<b>HIGH AVERAGE LOW</b>	<b>Excluding UHM and UHM w/ systemwide</b>	<b>27,304</b>	<b>40</b>	<b>8,425</b>	<b>17,880</b>	<b>6,988</b>	<b>28,529</b>	<b>19,232</b>	<b>1,502</b>	<b>3,920</b>	<b>1,263</b>	<b>3,002</b>	<b>3,063</b>	<b>9,312</b>	<b>15,673</b>	<b>3,183</b>	<b>42,503</b>	<b>25,046</b>
		<b>21,644</b>	<b>25</b>	<b>5,146</b>	<b>10,777</b>	<b>3,011</b>	<b>18,933</b>	<b>8,809</b>	<b>853</b>	<b>2,530</b>	<b>814</b>	<b>1,758</b>	<b>1,595</b>	<b>6,465</b>	<b>4,063</b>	<b>1,745</b>	<b>27,817</b>	<b>12,496</b>
		<b>13,773</b>	<b>18</b>	<b>3,648</b>	<b>5,338</b>	<b>717</b>	<b>12,004</b>	<b>5,217</b>	<b>331</b>	<b>1,265</b>	<b>517</b>	<b>885</b>	<b>963</b>	<b>4,204</b>	<b>1,211</b>	<b>1,086</b>	<b>16,588</b>	<b>7,266</b>
<b>% DIFF FROM AVERAGE</b>	<b>UHM</b>	<b>-36%</b>	<b>24%</b>	<b>-5%</b>	<b>17%</b>	<b>-42%</b>	<b>1%</b>	<b>29%</b>	<b>37%</b>	<b>1%</b>	<b>24%</b>	<b>-43%</b>	<b>11%</b>	<b>67%</b>	<b>-60%</b>	<b>-66%</b>	<b>11%</b>	<b>21%</b>
	<b>UHM (w/ sys-wide)</b>	<b>-36%</b>	<b>24%</b>	<b>-5%</b>	<b>26%</b>	<b>-41%</b>	<b>7%</b>	<b>29%</b>	<b>38%</b>	<b>15%</b>	<b>24%</b>	<b>-38%</b>	<b>11%</b>	<b>67%</b>	<b>-60%</b>	<b>-66%</b>	<b>12%</b>	<b>23%</b>
<b>RANK</b>	<b>UHM</b>	<b>12</b>	<b>3</b>	<b>7</b>	<b>5</b>	<b>9</b>	<b>6</b>	<b>3</b>	<b>3</b>	<b>7</b>	<b>4</b>	<b>12</b>	<b>5</b>	<b>1</b>	<b>11</b>	<b>13</b>	<b>5</b>	<b>3</b>
	<b>UHM (w/ sys-wide)</b>	<b>12</b>	<b>3</b>	<b>7</b>	<b>4</b>	<b>9</b>	<b>6</b>	<b>3</b>	<b>3</b>	<b>4</b>	<b>4</b>	<b>11</b>	<b>5</b>	<b>1</b>	<b>11</b>	<b>13</b>	<b>4</b>	<b>3</b>

1/ Library is included in Academic Support.

2/ This is the estimated full instructional expenditure, not adjusted by cost of living index (CLI) or higher education wage index (HEWI). Calculations are based on methodology developed by Research Associates of Washington. Please refer to Appendix 4. Data for the HEWI, adjusted and normative value for full instructional expenditure per FTE student that were provided in previous reports are not available.

Source: NCES on-line IPEDS Peer Analysis System.

**Table 3B  
UNIVERSITY OF HAWAI'I AT MANOA  
PEER GROUP COMPARISONS, PER FTE STUDENT  
FISCAL YEAR 1998-99  
PERCENT DISTRIBUTION**

	INSTITUTION	ENROLLMENT		REVENUES PER FTE STUDENT				FUNCTIONAL EXPENDITURES PER FTE STUDENT										
		FTE	% Grad	Tuition & Fees	Priv Approp	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 2/
1	<b>University Of Hawaii at Manoa</b>	<b>13,856</b>	<b>31</b>	<b>25</b>	<b>65</b>	<b>9</b>	100%	<b>37</b>	<b>4</b>	<b>8</b>	<b>3</b>	<b>3</b>	<b>6</b>	<b>35</b>	<b>5</b>	<b>2</b>	<b>100%</b>	<b>49</b>
	<b>UH Manoa (including systemwide)</b>	<b>13,856</b>	<b>31</b>	<b>24</b>	<b>67</b>	<b>9</b>	100%	<b>36</b>	<b>4</b>	<b>9</b>	<b>3</b>	<b>3</b>	<b>6</b>	<b>35</b>	<b>5</b>	<b>2</b>	<b>100%</b>	<b>49</b>
2	Colorado State University	22,004	24	45	44	10	100%	33	4	7	3	7	5	25	10	7	100%	47
3	Iowa State University	23,011	18	26	66	9	100%	29	4	9	3	6	6	26	13	7	100%	43
4	Louisiana State Univ & Ag & Mech Coll	27,047	19	31	63	6	100%	31	2	9	3	7	6	26	12	7	100%	44
5	Oregon State University	13,773	20	32	54	15	100%	27	3	8	2	7	5	32	13	6	100%	38
6	University Of California - Davis	23,162	22	24	64	11	100%	34	4	12	3	5	6	27	4	6	100%	52
7	University Of Georgia	27,304	22	20	71	9	100%	22	3	10	3	8	8	27	17	7	100%	33
8	University Of Kentucky	20,555	28	22	61	18	100%	31	3	9	3	6	5	20	21	5	100%	43
9	University Of Missouri - Columbia	20,499	22	37	50	12	100%	37	4	10	2	4	6	20	9	10	100%	53
10	University Of North Carolina At Chapel Hill	21,386	37	18	63	19	100%	45	2	7	3	6	7	19	9	5	100%	59
11	University Of Tennessee at Knoxville	22,717	24	29	62	9	100%	33	6	10	3	4	6	21	15	6	100%	49
12	University Of Utah	18,869	19	19	50	31	100%	21	2	7	3	7	4	18	37	3	100%	29
13	University Of Virginia	19,405	40	38	31	31	100%	33	3	13	4	8	5	24	4	11	100%	50

<b>HIGH</b>		<b>27,304</b>	<b>40</b>	<b>45</b>	<b>71</b>	<b>31</b>	-	<b>45</b>	<b>6</b>	<b>13</b>	<b>4</b>	<b>8</b>	<b>8</b>	<b>32</b>	<b>37</b>	<b>11</b>	-	<b>59</b>
<b>AVERAGE</b>	<b>Excluding UHM and UHM w/ systemwide</b>	<b>21,644</b>	<b>25</b>	<b>28</b>	<b>57</b>	<b>15</b>	-	<b>31</b>	<b>3</b>	<b>9</b>	<b>3</b>	<b>6</b>	<b>6</b>	<b>24</b>	<b>14</b>	<b>7</b>	-	<b>45</b>
<b>LOW</b>		<b>13,773</b>	<b>18</b>	<b>18</b>	<b>31</b>	<b>6</b>	-	<b>21</b>	<b>2</b>	<b>7</b>	<b>2</b>	<b>4</b>	<b>4</b>	<b>18</b>	<b>4</b>	<b>3</b>	-	<b>29</b>

1/ Library is included in Academic Support.

2/ This is the estimated full instructional expenditure, not adjusted by cost of living index (CLI) or higher education wage index (HEWI). Calculations are based on methodology developed by Research Associates of Washington. Please refer to Appendix 4. Data for the HEWI, adjusted and normative value for full instructional expenditure per FTE student that were provided in previous reports are not available.

Source: NCES on-line IPEDS Peer Analysis System.

**Appendix 1**  
**UNIVERSITY OF HAWAI'I AT MANOA**  
**BENCHMARK GROUP**  
**FISCAL YEAR 1998-99**

	STATE	CARNEGIE CLASSIFICATION 1/	NAME	CITY	UNIT ID	ENROLLMENT	
						FTE Enroll	% Grad
1	HI	<b>Doctoral/Research Universities - Extensive</b>	<b>University Of Hawai'i at Manoa</b>	<b>Honolulu</b>	<b>141574</b>	<b>13,856</b>	<b>31</b>
2	IN	Doctoral/Research Universities - Extensive	Indiana University at Bloomington	Bloomington	151351	31,984	22
3	MI	Doctoral/Research Universities - Extensive	Michigan State University	East Lansing	171100	37,918	21
4	NY	Doctoral/Research Universities - Extensive	State University of New York at Buffalo	Buffalo	196088	19,691	33
5	AZ	Doctoral/Research Universities - Extensive	University Of Arizona	Tucson	104179	29,132	24
6	CA	Doctoral/Research Universities - Extensive	University Of California - Berkeley	Berkeley	110635	29,262	28
7	CA	Doctoral/Research Universities - Extensive	University Of California - Davis	Davis	110644	23,162	22
8	CA	Doctoral/Research Universities - Extensive	University Of California - Los Angeles	Los Angeles	110662	34,634	33
9	CO	Doctoral/Research Universities - Extensive	University Of Colorado at Boulder 2/	Boulder	126614	-	-
10	FL	Doctoral/Research Universities - Extensive	University Of Florida	Gainesville	134130	38,725	26
11	IL	Doctoral/Research Universities - Extensive	University Of Illinois Urbana-Champaign	Champaign	145637	35,418	25
12	IA	Doctoral/Research Universities - Extensive	University Of Iowa	Iowa City	153658	24,558	33
13	MD	Doctoral/Research Universities - Extensive	University Of Maryland College Park	College Park	163286	28,181	25
14	MI	Doctoral/Research Universities - Extensive	University Of Michigan, Ann Arbor	Ann Arbor	170976	34,833	35
15	MN	Doctoral/Research Universities - Extensive	University Of Minnesota - Twin Cities	Minneapolis	174066	35,500	28
16	MO	Doctoral/Research Universities - Extensive	University Of Missouri - Columbia	Columbia	178396	20,499	22
17	OR	Doctoral/Research Universities - Extensive	University Of Oregon	Eugene	209551	15,716	22
18	WA	Doctoral/Research Universities - Extensive	University Of Washington - Seattle	Seattle	236948	31,177	28
19	WI	Doctoral/Research Universities - Extensive	University of Wisconsin - Madison	Madison	240444	36,228	27

1/ Carnegie Classification updated in 2000.

2/ Data was not available for University Of Colorado At Boulder.

Sources:

State, Carnegie Classification, Institution Name, City, Unit ID Code: UH Benchmark and Peer Comparison Groups (UH Office of Planning and Policy, March 2002).  
 FTE Enrollment, Percent of Graduate Students: NCES on-line IPEDS Peer Analysis System.

**Appendix 2**  
**UNIVERSITY OF HAWAI'I AT MANOA**  
**PEER GROUP**  
**FISCAL YEAR 1998-99**

STATE	CARNEGIE CLASSIFICATION 1/	NAME	CITY	UNIT ID	ENROLLMENT		
					FTE Enroll	% Grad	
1	<b>HI</b>	<b>Doctoral/Research Universities - Extensive</b>	<b>University Of Hawai'i at Manoa</b>	<b>Honolulu</b>	<b>141574</b>	<b>13,856</b>	<b>31</b>
2	CO	Doctoral/Research Universities - Extensive	Colorado State University	Fort Collins	126818	22,004	24
3	IA	Doctoral/Research Universities - Extensive	Iowa State University	Ames	153603	23,011	18
4	LA	Doctoral/Research Universities - Extensive	Louisiana St Univ & Ag & Mech Coll	Baton Rouge	159391	27,047	19
5	OR	Doctoral/Research Universities - Extensive	Oregon State University	Corvallis	209542	13,773	20
6	CA	Doctoral/Research Universities - Extensive	University Of California - Davis	Davis	110644	23,162	22
7	GA	Doctoral/Research Universities - Extensive	University Of Georgia	Athens	139959	27,304	22
8	KY	Doctoral/Research Universities - Extensive	University Of Kentucky	Lexington	157085	20,555	28
9	MO	Doctoral/Research Universities - Extensive	University Of Missouri - Columbia	Columbia	178396	20,499	22
10	NC	Doctoral/Research Universities - Extensive	University of North Carolina at Chapel Hill	Chapel Hill	199120	21,386	37
11	TN	Doctoral/Research Universities - Extensive	University Of Tennessee at Knoxville	Knoxville	221759	22,717	24
12	UT	Doctoral/Research Universities - Extensive	University Of Utah	Salt Lake City	230764	18,869	19
13	VA	Doctoral/Research Universities - Extensive	University Of Virginia	Charlottesville	234076	19,405	40

1/ Carnegie Classification updated in 2000.

Sources:

State, Carnegie Classification, Institution Name, City, Unit ID Code: UH Benchmark and Peer Comparison Groups (UH Office of Planning and Policy, March 2002).  
 FTE Enrollment, Percent of Graduate Students: NCES on-line IPEDS Peer Analysis System.

**Appendix 3**  
**UNIVERSITY OF HAWAI'I AT MANOA**  
**HIGHER EDUCATION PRICE INDEX (HEPI) 1/**  
**FISCAL YEARS 1992-93 TO 1998-99**

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
1998-99	121.1	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

*Terms denoted by \* include definitions that were provided by Research Associates of Washington.*

**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.

**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 those developed more systematically by the National Center for Higher Education Management Systems (NCHEMS) or by using the peer analysis tool of the national Integrated Postsecondary Education Data System (IPEDS). In particular, the **benchmark** groups reflect input from campus executives. The UH Mānoa list was developed many years ago and its enduring use reflects the desire of UH officials to understand where UH Mānoa stands relative to some well-known mainland institutions.

The institutions included in the **peer** group were developed by NCHEMS Information Services or jointly by UH system and campus analysts. NCHEMS and UH analysts use an indicator data base containing variables covering institutional characteristics, faculty, finance, degrees awarded, enrollments, and other data. There is also professional judgement involved in this selection process. (Source: UH Office of Planning & Policy, revised March 2002.)

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

**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 %).

**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.

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



**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.)

**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.

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

**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.

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

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

**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.

**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.

**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.

**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.

**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.

**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 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.*

**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.

**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.

**Unit ID code\*:** Individual institution identification number assigned by the National Center for Education Statistics, U.S. Department of Education.