

**Section V**  
◆◆◆  
**Research  
Expenditures**

## Table of Contents

### V. Research Expenditures

1. Research Expenditures:	
◆ Total Research Expenditures .....	147
◆ Research Expenditure Trends: Academic, Health, and All Institutions .....	148
◆ 2002 Research Expenditures by Classification .....	149
◆ Federal Research Expenditures .....	150
◆ Federal Research Expenditure Trends .....	151
◆ State Research Expenditures .....	152
◆ State Research Expenditure Trends .....	153
◆ Private Research Expenditures .....	154
◆ Private Research Expenditure Trends .....	155

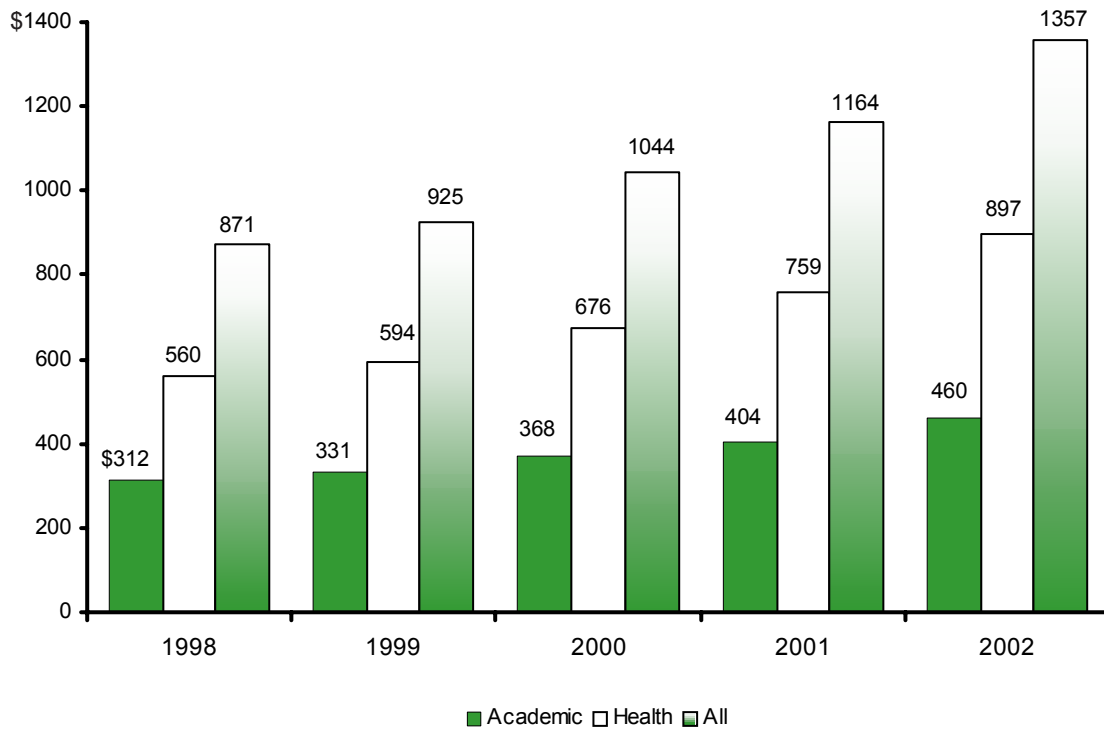
## Total Research Expenditures

Institution	1998	1999	% Change	2000	% Change	2001	% Change	2002	% Change
<b>Academic</b>									
Arlington	\$ 20,294,157	13,589,868	(33.0)	14,552,315	7.1	19,966,034	37.2	21,072,964	5.5
Austin	249,812,376	265,121,992	6.1	295,901,287	11.6	321,580,736	8.7	366,355,359	13.9
Brownsville	73,874	56,104	(24.1)	299,359	433.6	635,365	112.2	1,286,638	102.5
Dallas	15,544,628	13,676,687	(12.0)	15,923,269	16.4	18,531,582	16.4	27,444,057	48.1
El Paso	14,789,489	27,754,726	87.7	27,784,046	0.1	29,003,608	4.4	27,328,772	(5.8)
Pan American	1,986,602	2,296,623	15.6	2,175,562	(5.3)	2,601,598	19.6	2,605,758	0.2
Permian Basin	875,818	752,051	(14.1)	811,973	8.0	737,853	(9.1)	980,905	32.9
San Antonio	7,669,758	7,914,116	3.2	10,613,082	34.1	11,751,323	10.7	12,402,017	5.5
Tyler	677,505	88,011	(87.0)	210,747	139.5	342,206	62.4	375,821	9.8
<b>Total Academic</b>	<b>311,724,207</b>	<b>331,250,178</b>	<b>6.3</b>	<b>368,271,640</b>	<b>11.2</b>	<b>405,150,305</b>	<b>10.0</b>	<b>459,852,291</b>	<b>13.5</b>
<b>Health</b>									
SMC Dallas	153,711,130	163,518,455	6.4	189,216,337	15.7	222,378,235	17.5	263,958,410	18.7
MB Galveston	76,604,190	83,236,093	8.7	87,146,267	4.7	91,088,019	4.5	109,139,538	19.8
HSC Houston	102,443,781	106,703,164	4.2	122,914,171	15.2	128,161,248	4.3	140,827,726	9.9
HSC San Antonio	78,146,072	77,246,242	(1.2)	86,074,434	11.4	97,638,253	13.4	112,232,653	14.9
MD Anderson	141,260,451	155,126,396	9.8	182,196,490	17.5	210,236,589	15.4	262,144,960	24.7
HC Tyler	7,588,544	8,256,219	8.8	8,402,408	1.8	9,228,568	9.8	8,453,709	(8.4)
<b>Total Health</b>	<b>559,754,168</b>	<b>594,086,569</b>	<b>6.1</b>	<b>675,950,107</b>	<b>13.8</b>	<b>758,730,912</b>	<b>12.2</b>	<b>896,756,996</b>	<b>18.2</b>
<b>Total System</b>	<b>\$ 871,478,375</b>	<b>925,336,747</b>	<b>6.2</b>	<b>1,044,221,747</b>	<b>12.8</b>	<b>1,163,881,217</b>	<b>11.5</b>	<b>1,356,609,287</b>	<b>16.6</b>

Source: 1998 through 2002 "Survey of Research Expenditures" submitted to the Texas Higher Education Coordinating Board by each component institution. The Coordinating Board's definition of research expenditures includes indirect costs and pass-throughs to institutions of higher education.

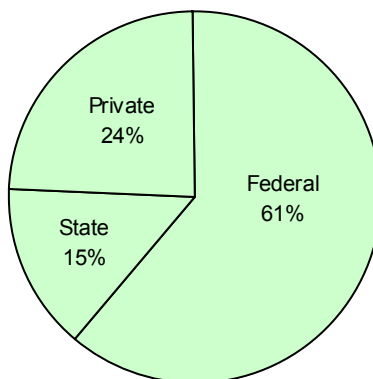
## Research Expenditure Trends

### Academic, Health, and All Institutions (in millions)



Source: 1998 through 2002 "Survey of Research Expenditures" submitted to the Texas Higher Education Coordinating Board by each component institution. The Coordinating Board's definition of research expenditures includes indirect costs and pass-throughs to institutions of higher education.

## 2002 Research Expenditures by Classification



Institution	Federal	State	Private	Total
<b>Academic</b>				
Arlington	\$ 7,923,657	9,504,934	3,644,373	21,072,964
Austin	235,436,101	52,829,525	78,089,733	366,355,359
Brownsville	896,646	2,082	387,910	1,286,638
Dallas	11,815,490	8,416,725	7,211,842	27,444,057
El Paso	19,796,441	4,255,602	3,276,729	27,328,772
Pan American	1,394,780	913,445	297,533	2,605,758
Permian Basin	138,194	682,963	159,748	980,905
San Antonio	7,641,990	3,515,547	1,244,480	12,402,017
Tyler	67,617	220,375	87,829	375,821
<b>Total Academic</b>	<b>285,110,916</b>	<b>80,341,198</b>	<b>94,400,177</b>	<b>459,852,291</b>
<b>Health</b>				
SMC-Dallas	155,257,992	17,072,471	91,627,947	263,958,410
MB-Galveston	78,100,188	12,441,099	18,598,251	109,139,538
HSC-Houston	101,738,767	12,207,413	26,881,546	140,827,726
HSC-San Antonio	83,760,708	6,206,131	22,265,814	112,232,653
MD Anderson	117,633,074	71,155,170	73,356,716	262,144,960
HC-Tyler	2,783,554	1,541,974	4,128,181	8,453,709
<b>Total Health</b>	<b>539,274,283</b>	<b>120,624,258</b>	<b>236,858,455</b>	<b>896,756,996</b>
<b>Total System</b>	<b>\$ 824,385,199</b>	<b>200,965,456</b>	<b>331,258,632</b>	<b>1,356,609,287</b>

Source: 1998 through 2002 "Survey of Research Expenditures" submitted to the Texas Higher Education Coordinating Board by each component institution. The Coordinating Board's definition of research expenditures includes indirect costs and pass-throughs to institutions of higher education.

## Federal Research Expenditures

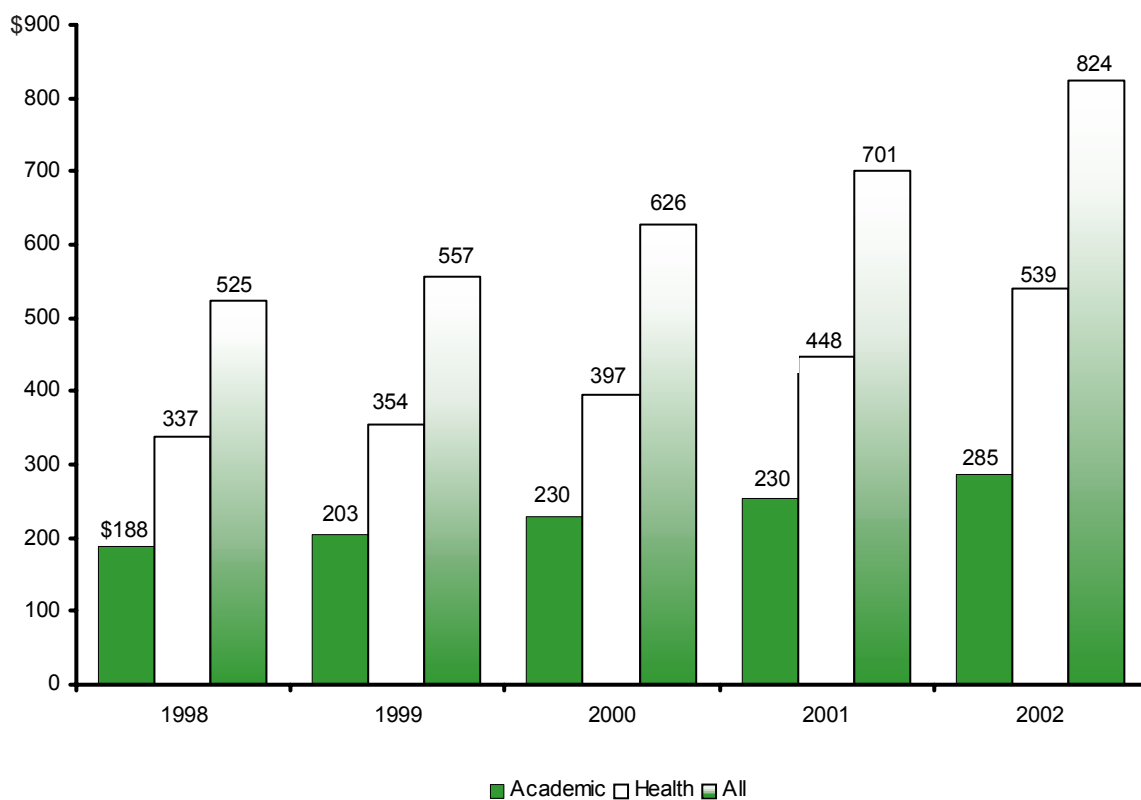
Institution	1998	1999	% Change	2000	% Change	2001	% Change	2002	% Change
<b>Academic:</b>									
Arlington	\$ 12,016,400	6,289,004	(47.7)	5,242,897	(16.6)	9,224,210	75.9	7,923,657	(14.1)
Austin	149,656,912	159,245,664	6.4	185,190,446	16.3	202,440,085	9.3	235,436,101	16.3
Brownsville	0	21,857	100.0	241,980	1007.1	602,856	149.1	896,646	48.7
Dallas	7,729,020	7,192,600	(6.9)	7,049,617	(2.0)	8,781,295	24.6	11,815,490	34.6
El Paso	11,009,111	23,871,117	116.8	22,972,030	(3.8)	22,872,682	(0.4)	19,796,441	(13.4)
Pan American	1,234,879	1,077,255	(12.8)	1,149,325	6.7	1,324,426	15.2	1,394,780	5.3
Permian Basin	321,389	155,219	(51.7)	233,075	50.2	147,629	(36.7)	138,194	(6.4)
San Antonio	5,195,954	5,480,519	5.5	7,421,650	35.4	8,032,790	8.2	7,641,990	(4.9)
Tyler	425,552	22,519	(94.7)	63,307	181.1	66,827	5.6	67,617	1.2
<b>Total Academic:</b>	<b>187,589,217</b>	<b>203,355,754</b>	<b>8.4</b>	<b>229,564,327</b>	<b>12.9</b>	<b>253,492,800</b>	<b>10.4</b>	<b>285,110,916</b>	<b>12.5</b>
<b>Health:</b>									
SMC Dallas	97,199,674	99,994,840	2.9	109,165,343	9.2	131,820,109	20.8	155,257,992	17.8
MB Galveston	48,588,233	55,061,209	13.3	61,356,467	11.4	63,274,494	3.1	78,100,188	23.4
HSC Houston	70,895,808	72,684,141	2.5	82,991,431	14.2	91,267,003	10.0	101,738,767	11.5
HSC San Antonio	55,843,751	54,128,757	(3.1)	58,600,224	8.3	66,852,477	14.1	83,760,708	25.3
MD Anderson	63,073,959	69,412,772	10.0	81,871,561	17.9	91,543,036	11.8	117,633,074	28.5
HC Tyler	1,799,884	2,297,638	27.7	2,807,980	22.2	3,063,099	9.1	2,783,554	(9.1)
<b>Total Health:</b>	<b>337,401,309</b>	<b>353,579,357</b>	<b>4.8</b>	<b>396,793,006</b>	<b>12.2</b>	<b>447,820,218</b>	<b>12.9</b>	<b>539,274,283</b>	<b>20.4</b>
<b>Total System:</b>	<b>\$ 524,990,526</b>	<b>556,935,111</b>	<b>6.1</b>	<b>626,357,333</b>	<b>12.5</b>	<b>701,313,018</b>	<b>12.0</b>	<b>824,385,199</b>	<b>17.5</b>

Source: 2002 "Survey of Research Expenditures" submitted to the Texas Higher Education Coordinating Board by each component institution. The Coordinating Board's definition of research expenditures includes indirect costs and pass-throughs to institutions of higher education.

## Federal Research Expenditure Trends

### Academic, Health, and All Institutions

(in millions)



Source: 1998 through 2002 "Survey of Research Expenditures" submitted to the Texas Higher Education Coordinating Board by each component institution. The Coordinating Board's definition of research expenditures includes indirect costs and pass-throughs to institutions of higher education.

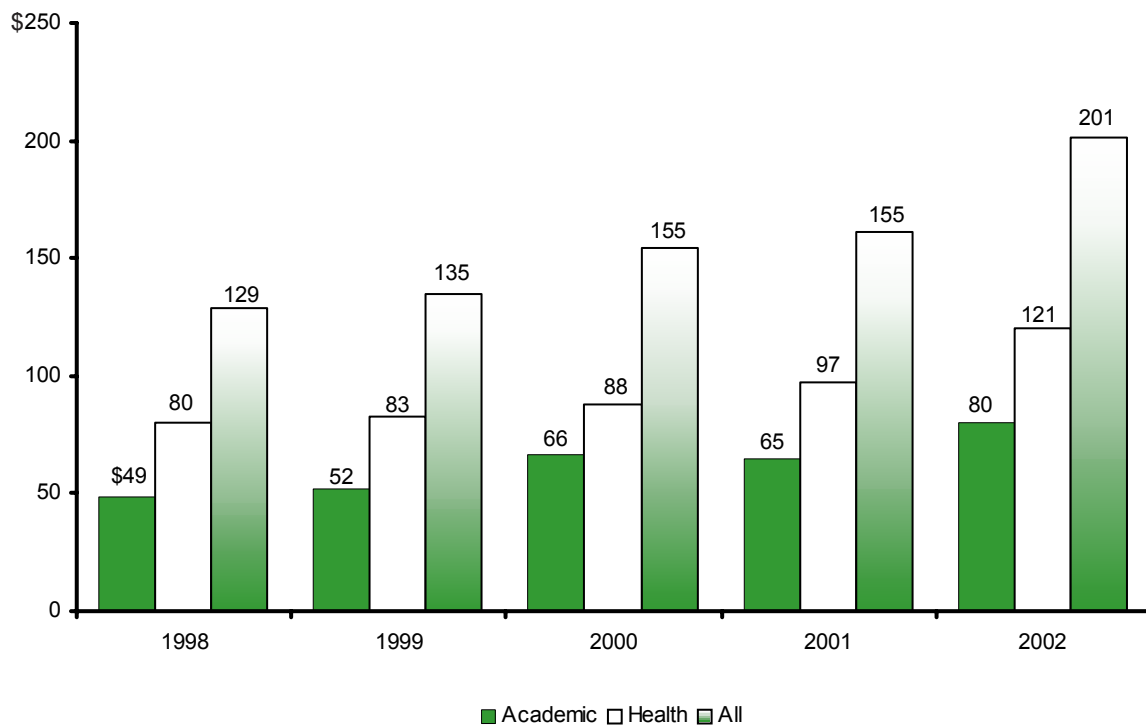
## State Research Expenditures

Institution	1998	1999	% Change	2000	% Change	2001	% Change	2002	% Change
<b>Academic</b>									
Arlington	\$ 5,313,589	4,702,474	(11.5)	6,215,031	32.2	5,735,774	(7.7)	9,504,934	65.7
Austin	36,554,413	38,862,472	6.3	50,123,577	29.0	47,309,232	(5.6)	52,829,525	11.7
Brownsville	17,186	34,230	99.2	57,379	67.6	32,509	(43.3)	2,082	(93.6)
Dallas	2,114,162	1,817,693	(14.0)	3,133,679	72.4	4,110,532	31.2	8,416,725	104.8
El Paso	1,864,554	3,166,910	69.8	3,204,195	1.2	3,277,907	2.3	4,255,602	29.8
Pan American	593,789	966,569	62.8	831,282	(14.0)	992,686	19.4	913,445	(8.0)
Permian Basin	392,022	398,678	1.7	431,990	8.4	439,084	1.6	682,963	55.5
San Antonio	1,743,589	1,685,129	(3.4)	2,240,540	33.0	2,580,743	15.2	3,515,547	36.2
Tyler	14,748	12,376	(16.1)	93,812	658.0	208,786	122.6	220,375	5.6
<b>Total Academic</b>	<b>48,608,052</b>	<b>51,646,531</b>	<b>6.3</b>	<b>66,331,485</b>	<b>28.4</b>	<b>64,687,253</b>	<b>(2.5)</b>	<b>80,341,198</b>	<b>24.2</b>
<b>Health</b>									
SMC-Dallas	5,601,366	5,485,856	(2.1)	11,320,483	106.4	9,516,270	(15.9)	17,072,471	79.4
MB-Galveston	11,506,046	9,685,947	(15.8)	8,587,850	(11.3)	10,775,438	25.5	12,441,099	15.5
HSC-Houston	6,485,773	6,847,441	5.6	9,772,581	42.7	10,787,093	10.4	12,207,413	13.2
HSC-San Antonio	6,538,140	6,714,023	2.7	5,814,670	(13.4)	6,441,298	10.8	6,206,131	(3.7)
MD Anderson	48,260,639	50,556,735	4.8	50,667,432	0.2	58,853,498	16.2	71,155,170	20.9
HC-Tyler	2,076,553	3,764,055	81.3	2,060,626	(45.3)	888,084	(56.9)	1,541,974	73.6
<b>Total Health</b>	<b>80,468,517</b>	<b>83,054,057</b>	<b>3.2</b>	<b>88,223,642</b>	<b>6.2</b>	<b>97,261,681</b>	<b>10.2</b>	<b>120,624,258</b>	<b>24.0</b>
<b>Total System:</b>	<b>\$ 129,076,569</b>	<b>134,700,588</b>	<b>4.4</b>	<b>154,555,127</b>	<b>14.7</b>	<b>161,948,934</b>	<b>4.8</b>	<b>200,965,456</b>	<b>24.1</b>

Source: 1998 through 2002 "Survey of Research Expenditures" submitted to the Texas Higher Education Coordinating Board by each component institution. The Coordinating Board's definition of research expenditures includes indirect costs and pass-throughs to institutions of higher education.

## State Research Expenditure Trends

### Academic, Health, and All Institutions (in millions)



Source: 1998 through 2002 "Survey of Research Expenditures" submitted to the Texas Higher Education Coordinating Board by each component institution. The Coordinating Board's definition of research expenditures includes indirect costs and pass-throughs to institutions of higher education.

## Private Research Expenditures

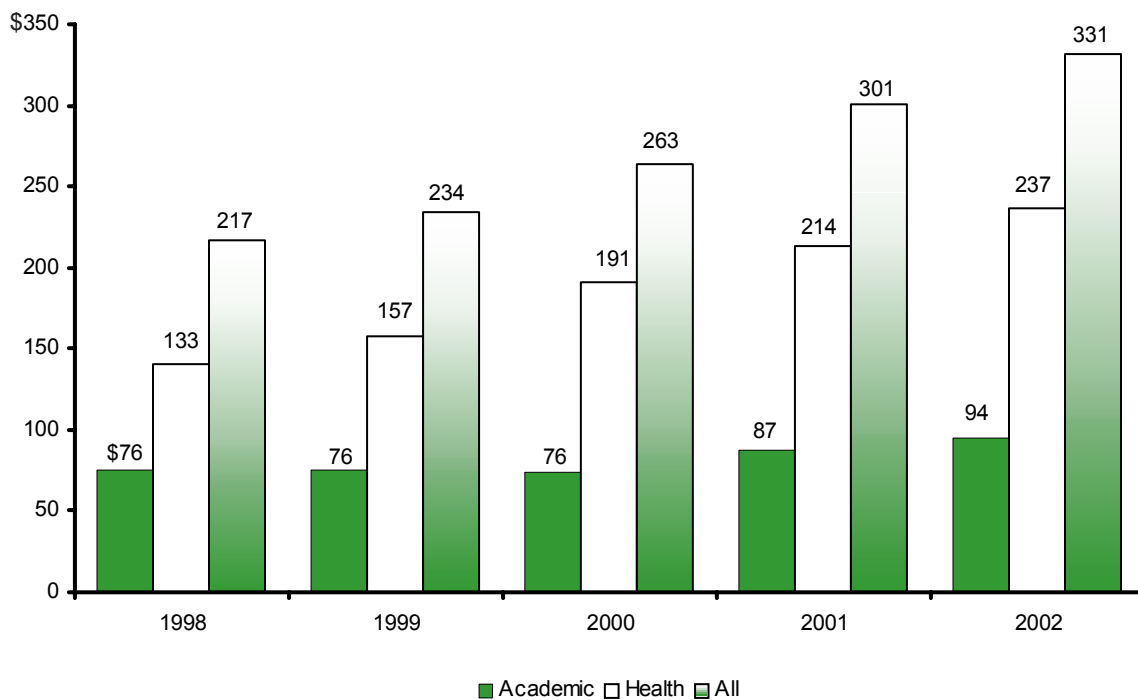
Institution	1998	1999	% Change	2000	% Change	2001	% Change	2002	% Change
<b>Academic</b>									
Arlington	\$ 2,964,168	2,598,390	(12.3)	3,094,387	19.1	5,006,050	61.8	3,644,373	(27.2)
Austin	63,601,051	7,013,856	5.4	60,587,264	(9.6)	71,831,419	18.6	78,089,733	8.7
Brownsville	56,688	17	(100.0)	0	(100.0)	0	0.0	387,910	0.0
Dallas	5,701,446	4,666,394	(18.2)	5,739,973	23.0	5,639,755	(1.7)	7,211,842	27.9
El Paso	1,915,824	716,699	(62.6)	1,607,821	124.3	2,853,019	77.4	3,276,729	14.9
Pan American	157,934	252,799	60.1	194,955	(22.9)	284,486	45.9	297,533	4.6
Permian Basin	162,407	198,154	22.0	146,908	(25.9)	151,140	2.9	159,748	5.7
San Antonio	730,215	748,468	2.5	950,892	27.0	1,137,790	19.7	1,244,480	9.4
Tyler	237,205	53,116	(77.6)	53,628	1.0	66,593	24.2	87,829	31.9
<b>Total Academic</b>	<b>75,526,938</b>	<b>76,247,893</b>	<b>1.0</b>	<b>72,375,828</b>	<b>(5.1)</b>	<b>86,970,252</b>	<b>20.2</b>	<b>94,400,177</b>	<b>8.5</b>
<b>Health</b>									
SMC Dallas	50,910,090	58,037,759	14.0	68,730,511	18.4	81,041,856	17.9	91,627,947	13.1
MB Galveston	16,509,911	18,488,937	12.0	17,201,950	(7.0)	17,038,087	(1.0)	18,598,251	9.2
HSC Houston	25,062,200	27,171,582	8.4	30,150,159	11.0	26,107,152	(13.4)	26,881,546	3.0
HSC San Antonio	15,764,181	16,403,462	4.1	21,659,540	32.0	24,344,478	12.4	22,265,814	(8.5)
MDACC	29,925,853	35,156,889	17.5	49,657,497	41.2	59,840,055	20.5	73,356,716	22.6
HC Tyler	3,712,107	2,194,526	(40.9)	3,533,802	61.0	5,277,385	49.3	4,128,181	(21.8)
<b>Total Health</b>	<b>141,884,342</b>	<b>157,453,155</b>	<b>11.0</b>	<b>190,933,459</b>	<b>21.3</b>	<b>213,649,013</b>	<b>11.9</b>	<b>236,858,455</b>	<b>10.9</b>
<b>Total System</b>	<b>\$ 217,411,280</b>	<b>233,701,048</b>	<b>7.5</b>	<b>263,309,287</b>	<b>12.7</b>	<b>300,619,265</b>	<b>14.2</b>	<b>331,258,632</b>	<b>10.2</b>

Source: 1998 through 2002 "Survey of Research Expenditures" submitted to the Texas Higher Education Coordinating Board by each component institution. The Coordinating Board's definition of research expenditures includes indirect costs and pass-throughs to institutions of higher education.

## Private Research Expenditure Trends

### Academic, Health, and All Institutions

(in millions)



Source: 1998 through 2002 "Survey of Research Expenditures" submitted to the Texas Higher Education Coordinating Board by each component institution. The Coordinating Board's definition of research expenditures includes indirect costs and pass-throughs to institutions of higher education.