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Participation Forecast, 2005-2015

(formerly Study Paper 27, *Enrollment Forecast*)

Texas Institutions of Higher Education

Texas Higher Education Coordinating Board
Division of Planning and Information Resources
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January 2005

The Texas Higher Education Coordinating Board

Board Members	Term	Hometown
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Ms. Cathy Obriotti Green, <i>Secretary of the Board</i>	1999-2005	San Antonio
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Mr. A. W. "Whit" Riter, III	2004-2005	Tyler
Mr. Terdema L. Ussery, II	1999-2005	Dallas

Mission of the Coordinating Board

The Texas Higher Education Coordinating Board's mission is to work with the Legislature, Governor, governing boards, higher education institutions and other entities to provide the people of Texas the widest access to higher education of the highest quality in the most efficient manner.

Philosophy of the Coordinating Board

The Texas Higher Education Coordinating Board will promote access to quality higher education across the state with the conviction that access without quality is mediocrity and that quality without access is unacceptable. The Board will be open, ethical, responsive, and committed to public service. The Board will approach its work with a sense of purpose and responsibility to the people of Texas and is committed to the best use of public monies. The Coordinating Board will engage in actions that add value to Texas and to higher education; the agency will avoid efforts that do not add value or that are duplicated by other entities.

Foreword

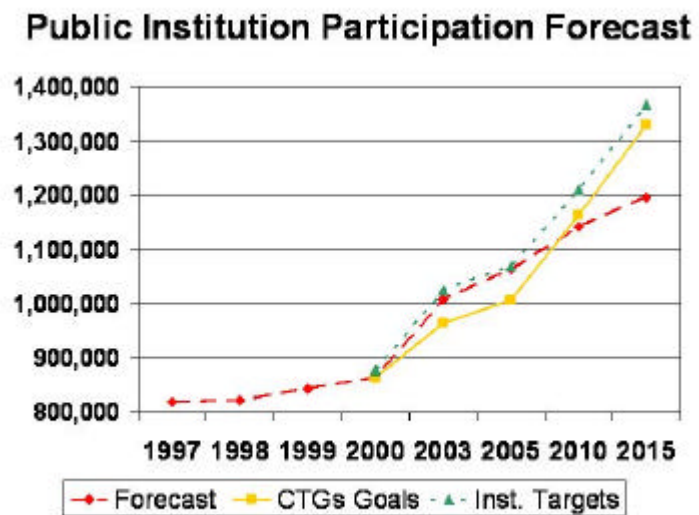
The Coordinating Board began forecasting enrollments biannually in 1979, and the methodology has remained relatively unchanged since then. This 2005 edition, titled *Participation Forecast, 2005-2015*, reflects the new format first introduced in 2003, but does not include the success forecast introduced that year. Future reports may include a success forecast, however, that uses the enrollment (participation) forecast to predict statewide degree production in bachelor's and associate's degrees and certificates (success).

Participation Forecast

Information about enrollment trends and expectations, always fundamental to higher education planning, is even more critical in times of limited resources and growing numbers of students. The methodology employed in this participation forecast is based on past enrollment and population trends related to geographic location, age, and race/ethnicity. The focus on current trends, however, does not reflect possible changes in the rate of high school graduation, increased participation by racial/ethnic groups, or changes in local policies. For that reason, the forecasts are conservative.

Figure 1

The Coordinating Board studies enrollments in ways other than these forecasts. For example, in October 2000, the Coordinating Board developed a new higher education plan called *Closing the Gaps by 2015*. The plan established a participation goal of enrolling an additional 500,000 students (based on enrollments in fall 2000) by 2015 to ensure that Texas educates more of its people. In an effort to determine how to meet these goals, the Coordinating Board asked each public institution to submit ambitious individual institution-level targets for participation (Institutional Targets). This graph demonstrates the difference between the forecasted enrollment noted in this document, *Closing the Gaps* (CTG) goals, and *Closing the Gaps* targets set by institutions. Progress toward meeting the goals of *Closing the Gaps* provided through an annual progress report. These numbers are reflected in Figure 1, above.



In addition, through an agreement with the Texas Education Agency (TEA) and State Board for Educator Certification (SBEC), the Coordinating Board has the ability to track public school students through enrollment and receipt of a higher education degree or certificate. Analysis of this data provides an in-depth review of public student participation and success trends that can help identify educational challenges facing the state, as well as effective responses.

Conclusion

The *Participation Forecast* predicts student enrollment in higher education, based on current trends, to 2015. Comparisons among these projections, state goals, and targets set by institutions indicate that Texas is not yet on track to meet its goals. This conclusion is amplified with the Texas State Data Center's most recent population projections, which indicate that Texas' Hispanic population is growing much more rapidly than previously thought.

Even though the total enrollment is on track to reach the *Closing the Gaps* statewide targets for 2005, the Hispanic enrollment growth is not keeping pace. The Coordinating Board determined previously that if any group does not reach its target, the state as a whole is not on target. Based on the new population projections from the Texas State Data Center, Texas must enroll an additional 100,000 Hispanic students by 2015 – bringing the needed total enrollment to 1.6 million by that year to enroll 5.7 percent of the population.

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Participation in Texas' Public Colleges and Universities to 2015

Based on current population projections and recent patterns in college and university attendance, participation in Texas' institutions of higher education is expected to reach over 1.17 million students by 2005. This figure represents an increase of 21,000 students over 2004, producing a growth rate of approximately 2% percent during the five-year period. During the ensuing five-year period—from 2005 to 2010—participation is expected to increase by 7 percent, providing an additional 85,000 students. For the following five-year period—from 2010 to 2015—enrollment is expected to increase by an additional 57,000 students. As a result of these increases, Texas higher education institutions are expected to enroll over 1.3 million students by 2015, based on current trends.

For public universities, participation is expected to increase to approximately 490,000 students by 2005. This increase of 9,264 students over 2004 participation is expected from a projected growth rate of 1.9 percent annually. During the ensuing five-year period—from 2005 to 2010—participation is expected to increase at about 1.5 percent annually to provide nearly 35,700 additional students. For the following five-year period—from 2010 to 2015—enrollment is expected to grow at .9 percent annually to give these institutions 23,600 additional students. As a result of these increases, Texas public universities are expected to enroll 550,700 students by 2015.

For public two-year colleges, participation is expected to increase to approximately 570,164 students by 2005. This increase of 10,336 students over preliminary 2004 participation is expected from a projected growth rate of 1.8 percent annually. During the ensuing five-year period—from 2005 to 2010—participation is expected to increase at about 1.6 percent annually to provide nearly 44,400 additional students. For the following five-year period—from 2010 to 2015—the growth is expected to continue at 1 percent annually to give these institutions 30,600 additional students. As a result of these increases, Texas public two-year colleges are expected to enroll more than 645,200 students by 2015.

The following points should be considered when reviewing the forecasts:

- The forecast model is influenced strongly by historical in-state participation patterns at each institution and projected population changes by county. Therefore, these forecasts may not accurately reflect future participation because institutions may recruit students from different areas, the demographics of geographic recruitment bases may change, or institutions may change or impose enrollment limitations.

- Participation may be affected by the Texas economy. Participation has usually expanded in times of increasing unemployment, in part because students want to prepare for better jobs. The availability of financial aid also influences students' decisions to enter or return to college.
- Texas' independent institutions and career colleges widely contribute to providing higher education opportunities to citizens of this state, but their data is not reflected in this report.

Table 1
Fall Headcount Participation Forecasts – Texas Institutions of Higher Education

	Actual 2000	Actual 2001	Actual 2002	Actual 2003	Actual 2004	2005	Forecast		
							2006	2010	2015
Public Universities	414,626	430,770	455,719	472,818	482,123	491,387	500,585	527,076	550,710
Public Two-Year Colleges	447,998	478,313	515,771	536,005	559,828	570,164	580,007	614,528	645,158
Independent Colleges and Universities	106,742	110,177	112,217	112,930	112,677	114,067	115,248	118,649	121,683
Total	969,366	1,019,260	1,083,707	1,121,753	1,154,628	1,175,618	1,195,839	1,260,254	1,317,552

Table 2
Forecasted Changes in Fall Headcount Participation

	2000-2005		2005-2010		2010-2015	
	Number	Percent	Number	Percent	Number	Percent
Public Universities	76,761	18.5%	35,690	7.3%	23,634	4.5%
Public Two-Year Colleges	122,166	27.3%	44,364	7.8%	30,630	5.0%
Independent Colleges and Universities	7,325	6.9%	4,582	4.0%	3,034	2.6%
Total	206,252	21.3%	84,636	7.2%	57,298	4.5%

Figure 2
Texas Higher Education Coordinating Board
Ten Regions

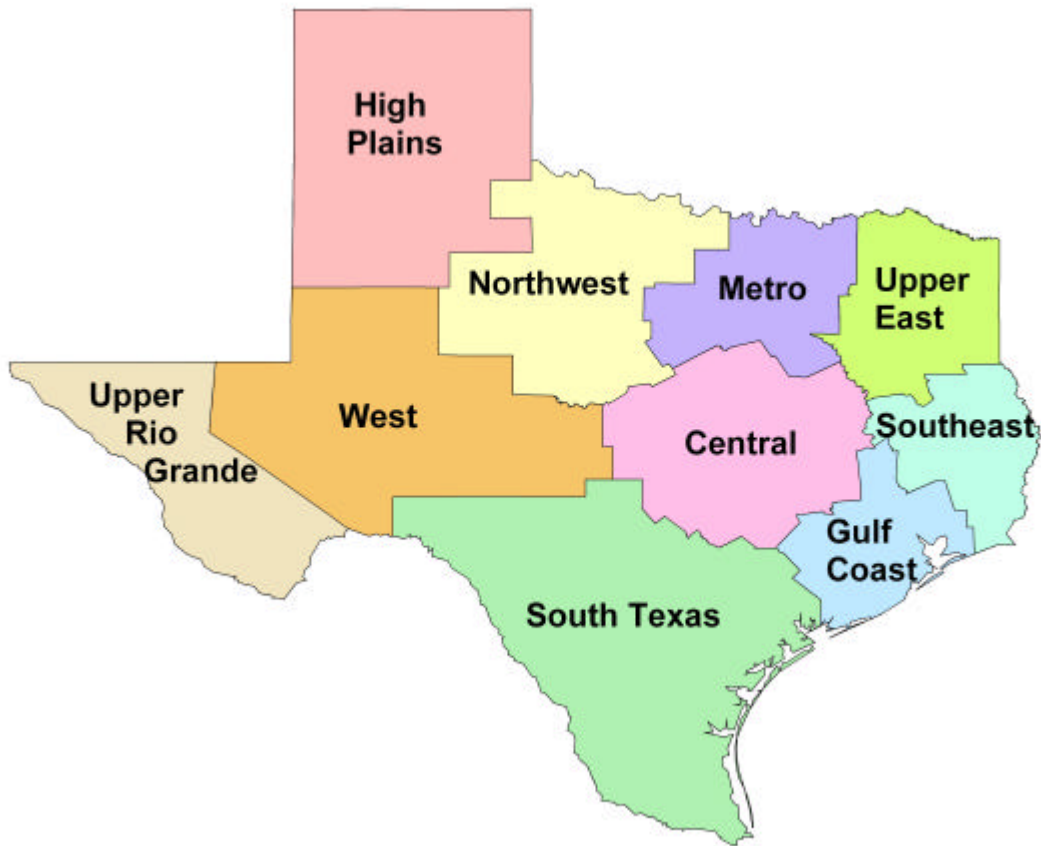


Table 3
Participation Projections by Region
Texas Public Institutions of Higher Education

	Actual 2000	Actual 2001	Actual 2002	Actual 2003	Actual/Prel 2004	2005	Total Projections		
							2006	2010	2015
Central Texas Region									
Texas A&M University	44,026	44,618	45,083	44,813	44,435	45,087	45,031	45,052	45,046
Texas State University-San Marcos	22,423	23,517	25,025	26,306	26,783	27,395	28,025	29,727	30,834
University of Texas at Austin	49,996	50,616	52,261	51,426	50,377	50,004	49,656	48,135	47,990
	116,445	118,751	122,369	122,545	121,595	122,485	122,711	122,914	123,870
Austin Community College	25,853	27,577	29,156	28,862	29,004	29,261	29,536	30,959	32,942
Blinn College	12,025	12,686	13,806	14,057	14,027	14,454	14,615	14,761	14,473
Central Texas College	6,650	7,231	7,935	7,651	7,930	7,674	7,757	8,111	8,421
Hill College	2,506	2,694	2,923	3,237	3,169	3,341	3,418	3,702	4,021
McLennan Community College	5,721	6,110	6,532	7,052	7,522	7,893	8,199	9,152	9,577
Temple College	3,381	3,579	3,664	3,932	4,068	4,107	4,119	4,246	4,343
Texas State Technical College-Waco	3,928	4,068	4,203	4,286	4,485	4,538	4,586	4,690	4,698
	60,064	63,945	68,219	69,077	70,205	71,268	72,229	75,621	78,476
Central Texas Regional Totals	176,509	182,696	190,588	191,622	191,800	193,753	194,941	198,535	202,345
Gulf Coast Region									
5 Prairie View A&M University	6,609	6,747	7,255	7,808	8,350	8,558	8,761	9,430	9,748
Sam Houston State University	12,348	12,985	13,072	13,417	14,333	14,678	15,004	15,703	15,919
Texas A&M University at Galveston	1,363	1,366	1,556	1,620	1,615	1,642	1,663	1,684	1,645
Texas Southern University	6,886	8,119	9,739	10,888	11,635	12,218	12,496	13,456	13,943
University of Houston	32,123	33,007	34,443	35,066	35,180	35,832	36,564	39,271	41,800
University of Houston-Clear Lake	7,580	7,738	7,753	7,776	7,785	7,851	7,935	8,354	8,734
University of Houston-Downtown	8,951	9,704	10,528	10,974	11,408	11,503	11,788	12,991	14,299
	75,860	79,666	84,346	87,549	90,306	92,281	94,211	100,889	106,089
Alvin Community College	3,531	3,667	4,161	4,049	3,933	4,200	4,284	4,579	4,902
Brazosport College	3,855	4,022	4,097	3,679	3,507	3,598	3,680	3,969	4,279
College of the Mainland CCD	3,159	3,346	3,588	3,919	3,948	4,096	4,169	4,423	4,587
Galveston College	2,245	2,207	2,293	2,240	2,352	2,391	2,435	2,604	2,728
Houston Community College	33,509	34,714	34,928	33,631	35,982	36,792	37,674	41,133	45,089
Lee College	6,170	6,226	6,329	6,233	5,864	5,984	6,071	6,381	6,658
NHMCCCD Cy-Fair College*			3,154	6,683	8,451	8,581	8,796	9,146	9,647
NHMCCCD Kingwood College	4,568	5,302	5,970	6,060	6,405	6,463	6,587	6,799	7,030

	Actual 2000	Actual 2001	Actual 2002	Actual 2003	Actual/Prel 2004	2005	Total Projections		
							2006	2010	2015
NHMCCCD Montgomery College	5,316	5,776	6,258	6,712	7,180	7,439	7,779	9,022	10,354
NHMCCCD North Harris College	9,118	9,972	10,698	10,466	10,106	9,980	10,151	10,780	11,387
NHMCCCD Tomball College	5,902	8,336	7,891	7,420	7,342	7,399	7,480	7,600	7,590
San Jacinto College Central Campus	10,816	11,139	11,283	11,540	11,977	12,100	12,214	12,485	12,655
San Jacinto College North Campus	4,937	4,976	5,036	4,981	5,479	5,457	5,541	5,834	6,090
San Jacinto College South Campus	6,238	6,632	7,225	7,582	7,998	8,129	8,254	8,664	9,026
Wharton County Junior College	4,571	5,281	5,771	5,906	6,100	6,295	6,542	7,281	7,897
Gulf Coast Regional Totals	103,935	111,596	118,682	121,101	126,624	128,906	131,658	140,700	149,921
	179,795	191,262	203,028	208,650	216,930	221,187	225,869	241,589	256,009
High Plains Region									
Texas Tech University	24,199	25,416	27,569	28,549	28,325	28,983	29,242	29,260	28,439
West Texas A&M University	6,775	6,675	6,780	7,023	7,299	7,433	7,565	7,589	7,341
	30,974	32,091	34,349	35,572	35,624	36,416	36,808	36,849	35,780
Amarillo College	8,181	8,499	9,144	9,970	10,466	10,556	10,616	10,838	10,948
Clarendon College	1,001	880	968	959	1,013	1,020	1,033	1,025	953
Frank Phillips College	1,153	1,242	1,335	1,143	1,389	1,390	1,389	1,352	1,271
South Plains College	7,432	8,512	8,994	9,595	9,537	9,578	9,586	9,364	8,970
	17,767	19,133	20,441	21,667	22,405	22,545	22,623	22,578	22,142
High Plains Regional Totals	48,741	51,224	54,790	57,239	58,029	58,960	59,431	59,427	57,922
Metroplex Region									
Tarleton State University	7,545	8,024	8,320	8,845	9,033	9,341	9,538	9,964	10,016
Texas A&M University-Commerce	7,483	7,934	8,483	8,353	8,547	8,567	8,694	9,238	9,759
Texas Woman's University	8,404	7,887	8,703	9,701	10,746	10,955	11,177	12,254	13,612
University of North Texas	27,054	27,858	30,183	31,065	31,155	31,603	32,907	35,453	38,282
University of Texas at Arlington	20,424	21,180	23,821	24,979	25,297	25,563	25,950	27,688	29,489
University of Texas at Dallas	10,945	12,455	13,229	13,718	14,092	14,426	14,639	15,813	17,627
	81,855	85,338	92,739	96,661	98,870	100,455	102,905	110,411	118,785
Collin County CCD	12,704	14,179	15,766	16,332	17,702	18,423	19,563	23,588	29,787
DCCCD Brookhaven College	7,687	8,306	9,184	9,718	9,714	9,804	9,907	10,569	11,557
DCCCD Cedar Valley College	2,799	2,913	3,990	4,443	4,377	4,393	4,418	4,499	4,515
DCCCD Eastfield College	7,643	8,462	9,071	9,376	9,574	9,513	9,534	9,740	10,063
DCCCD El Centro College	4,366	4,763	5,672	6,182	5,901	5,975	6,032	6,347	6,728
DCCCD Mountain View College	4,949	5,729	6,266	5,843	6,227	6,254	6,315	6,686	7,200
DCCCD North Lake College	6,764	7,338	8,456	7,960	8,382	8,458	8,493	8,769	9,156

	Actual 2000	Actual 2001	Actual 2002	Actual 2003	Actual/Prel 2004	2005	Total Projections		
							2006	2010	2015
DCCCD Richland College	11,958	12,680	13,562	13,204	13,598	14,568	14,573	14,896	15,417
Grayson County College	3,260	3,470	3,498	3,837	3,941	3,931	3,980	4,053	4,052
Navarro College	3,989	4,411	4,967	5,445	6,019	6,204	6,320	6,667	6,921
North Central Texas College	4,794	5,182	6,158	6,353	6,462	6,660	6,819	7,553	8,486
Tarrant County Northeast Campus	9,315	10,035	10,882	11,602	12,835	12,796	12,931	13,490	13,977
Tarrant County Northwest Campus	4,199	4,648	5,182	6,025	7,473	7,232	7,363	7,929	8,588
Tarrant County South Campus	7,062	7,337	8,027	8,200	10,189	10,223	10,429	11,316	12,298
Tarrant County Southeast Campus	7,293	7,797	8,370	8,579	9,029	8,905	9,052	9,666	10,298
Weatherford College	2,751	3,136	3,569	3,895	4,216	4,438	4,588	5,064	5,366
	101,533	110,386	122,620	126,994	135,639	137,778	140,317	150,833	164,410
Metroplex Regional Totals	183,388	195,724	215,359	223,655	234,509	238,234	243,222	261,243	283,195
Northwest Region									
Midwestern State University	5,812	5,960	6,157	6,420	6,257	6,361	6,411	6,590	6,610
Cisco Junior College	2,639	2,716	2,963	3,208	3,574	3,569	3,543	3,462	3,266
Ranger College	847	840	893	774	916	924	928	919	879
Texas State Technical College-West Texas	1,563	1,607	1,642	1,605	1,739	1,710	1,727	1,717	1,634
Vernon College	2,095	2,269	2,523	2,640	2,692	2,666	2,674	2,663	2,602
Western Texas College	1,176	1,323	1,579	1,601	1,698	1,716	1,690	1,638	1,532
	8,320	8,755	9,600	9,828	10,619	10,585	10,562	10,398	9,914
Northwest Texas Regional Totals	14,132	14,715	15,757	16,248	16,876	16,945	16,973	16,989	16,524
South Texas Region									
Sul Ross Rio Grande College	828	810	908	954	1,055	1,058	1,082	1,183	1,271
Texas A&M International University	3,038	3,372	3,724	4,078	4,269	4,523	4,691	5,352	5,944
Texas A&M University-Corpus Christi	6,823	7,369	7,607	7,861	8,227	8,547	9,154	10,338	10,719
Texas A&M University-Kingsville	5,942	6,148	6,554	6,841	7,126	7,173	7,307	7,651	7,756
University of Houston-Victoria	1,698	1,927	2,183	2,411	2,418	2,485	2,538	2,830	3,147
University of Texas at Brownsville	3,157	3,494	3,527	3,703	4,052	4,171	4,304	4,869	5,465
University of Texas at Pan American	12,760	13,640	14,392	15,915	17,030	18,095	19,118	22,234	26,450
University of Texas at San Antonio	18,830	19,883	22,016	24,665	26,175	27,185	28,162	30,812	32,879
	53,076	56,643	60,911	66,428	70,352	73,238	76,356	85,269	93,629
ACCD NW Vista College	4,056	5,425	7,099	7,929	8,809	8,918	8,981	9,249	9,224
ACCD Palo Alto College	6,370	6,688	7,055	7,727	7,960	8,106	8,230	8,714	8,985
ACCD San Antonio College	20,490	21,303	21,481	22,109	22,141	22,378	22,650	23,796	24,521
ACCD St. Philip's College	8,286	8,628	9,329	9,880	10,575	10,867	11,041	11,740	12,315

	Actual 2000	Actual 2001	Actual 2002	Actual 2003	Actual/Prel 2004	2005	Total Projections		
							2006	2010	2015
Coastal Bend College	3,026	3,095	3,480	3,504	3,844	3,916	3,948	3,991	3,943
Del Mar College	9,683	10,246	11,159	11,289	11,245	11,397	11,518	12,209	12,469
Laredo Community College	7,284	7,469	7,748	7,906	8,328	8,738	9,067	10,303	11,224
South Texas College	11,183	12,443	13,691	15,228	17,132	17,957	18,725	21,571	23,695
Southwest Texas Junior College	3,716	3,723	4,326	4,753	5,140	5,252	5,351	5,630	5,609
Texas Southmost College	7,245	7,210	7,808	8,354	9,204	9,751	10,088	11,196	11,902
Texas State Technical College-Harlingen	3,266	3,842	4,109	4,082	4,456	4,396	4,544	5,009	5,286
Victoria College, The	4,021	4,006	4,028	4,241	4,034	4,178	4,227	4,271	4,188
	88,626	94,078	101,313	107,002	112,868	115,854	118,370	127,679	133,361
South Texas Regional Totals	141,702	150,721	162,224	173,430	183,220	189,092	194,726	212,948	226,990
Southeast Texas Region									
Lamar University	8,568	8,968	9,802	10,379	10,804	10,933	10,972	10,912	10,588
Stephen F. Austin State University	11,453	11,525	11,312	11,354	11,172	10,997	11,124	11,417	11,425
	20,021	20,493	21,114	21,733	21,976	21,930	22,097	22,329	22,013
Angelina College	4,376	4,659	4,963	5,020	4,924	5,057	5,081	5,133	5,098
Lamar Institute of Technology.	2,349	2,448	2,422	2,538	2,540	2,581	2,599	2,635	2,609
Lamar State College-Orange	1,939	2,020	1,976	1,853	2,047	2,009	2,018	2,031	1,990
Lamar State College-Port Arthur	2,508	2,497	2,406	2,429	2,385	2,441	2,446	2,464	2,454
	11,172	11,624	11,767	11,840	11,896	12,087	12,143	12,262	12,152
Southeast Texas Regional Totals	31,193	32,117	32,881	33,573	33,872	34,017	34,240	34,591	34,164
Upper East Texas Region									
Texas A&M University-Texarkana	1,195	1,219	1,367	1,429	1,540	1,593	1,650	1,767	1,834
University of Texas at Tyler	3,592	3,732	4,254	4,769	5,326	5,391	5,439	5,602	5,605
	4,787	4,951	5,621	6,198	6,866	6,984	7,089	7,369	7,439
Kilgore College	3,872	4,026	4,578	4,874	4,935	4,913	4,899	4,778	4,530
Panola College	1,422	1,492	1,693	1,682	1,774	1,779	1,778	1,750	1,671
Northeast Texas Community College	1,990	2,203	2,423	2,508	2,473	2,495	2,508	2,493	2,435
Paris Junior College	2,936	3,278	3,639	4,072	4,152	4,234	4,264	4,358	4,367
Texarkana College	3,394	3,526	3,538	3,987	3,797	4,121	4,115	3,995	3,722
Texas State Technical College-Marshall	511	595	605	615	704	708	711	708	687
Trinity Valley Comm College	4,588	4,604	5,212	5,499	5,567	5,658	5,763	6,055	6,298
Tyler Junior College	8,240	8,451	8,977	9,591	9,430	9,521	9,590	9,805	9,903
	26,953	28,175	30,665	32,828	32,832	33,428	33,626	33,943	33,613
Upper East Texas Regional Totals	31,740	33,126	36,286	39,026	39,698	40,413	40,715	41,312	41,052

	Actual 2000	Actual 2001	Actual 2002	Actual 2003	Actual/Prel 2004	2005	Total Projections		
							2006	2010	2015
Upper Rio Grande Region									
Sul Ross State University	2,010	1,992	1,954	2,109	1,938	2,023	2,086	2,185	2,166
University of Texas at El Paso	15,224	16,220	17,232	18,542	18,918	19,549	20,046	22,488	24,840
	17,234	18,212	19,186	20,651	20,856	21,571	22,131	24,673	27,006
El Paso Community College District	17,747	18,356	19,644	22,704	23,828	24,779	25,438	27,414	28,154
Upper Rio Grande Regional Totals	34,981	36,568	38,830	43,355	44,684	46,350	47,569	52,087	55,160
West Texas Region									
Angelo State University	6,290	6,256	6,255	6,033	6,130	6,237	6,300	6,150	5,725
University of Texas of the Permian Basin	2,272	2,409	2,672	3,028	3,291	3,428	3,565	3,634	3,765
	8,562	8,665	8,927	9,061	9,421	9,665	9,865	9,784	9,490
Howard College	2,337	2,539	2,710	2,649	2,643	2,661	2,659	2,686	2,631
Midland College	4,841	5,060	5,041	5,392	5,531	5,547	5,641	5,738	5,838
Odessa College	4,568	4,545	4,935	4,783	4,569	4,575	4,586	4,519	4,394
Southwest Collegiate Institute	135	121	134	140	169	152	154	156	153
o	11,881	12,265	12,820	12,964	12,912	12,935	13,041	13,100	13,017
West Texas Regional Totals	20,443	20,930	21,747	22,025	22,333	22,600	22,906	22,884	22,507
Public Total	862,624	909,083	971,490	1,008,823	1,041,951	1,061,551	1,080,591	1,141,605	1,195,869

* NHMCCD Cy-Fair College opened in 2003 affecting enrollment at the NHMCCD Tomball campus

Table 4
Fall Headcount Participation Forecasts—Texas Public Universities

	Actual 2000	Actual 2001	Actual 2002	Actual 2003	Actual/Prel 2004	2005	Total Projections		
							2006	2010	2015
Angelo State University	6,290	6,256	6,255	6,033	6,130	6,237	6,300	6,150	5,725
Lamar University	8,568	8,968	9,802	10,379	10,804	10,933	10,972	10,912	10,588
Midwestern State University	5,812	5,960	6,157	6,420	6,257	6,361	6,411	6,590	6,610
Prairie View A&M University	6,609	6,747	7,255	7,808	8,350	8,558	8,761	9,430	9,748
Sam Houston State University	12,348	12,985	13,072	13,417	14,333	14,678	15,004	15,703	15,919
Stephen F. Austin State University	11,453	11,525	11,312	11,354	11,172	10,997	11,124	11,417	11,425
Sul Ross State University	2,010	1,992	1,954	2,109	1,938	2,023	2,086	2,185	2,166
Sul Ross Rio Grande College	828	810	908	954	1,055	1,058	1,082	1,183	1,271
Tarleton State University	7,545	8,024	8,320	8,845	9,033	9,341	9,538	9,964	10,016
Texas A&M International University	3,038	3,372	3,724	4,078	4,269	4,523	4,691	5,352	5,944
Texas A&M University	44,026	44,618	45,083	44,813	44,435	45,087	45,031	45,052	45,046
Texas A&M University at Galveston	1,363	1,366	1,556	1,620	1,615	1,642	1,663	1,684	1,645
Texas A&M University-Commerce	7,483	7,934	8,483	8,353	8,547	8,567	8,694	9,238	9,759
Texas A&M University-Corpus Christi	6,823	7,369	7,607	7,861	8,227	8,547	9,154	10,338	10,719
Texas A&M University-Kingsville	5,942	6,148	6,554	6,841	7,126	7,173	7,307	7,651	7,756
Texas A&M University-Texarkana	1,195	1,219	1,367	1,429	1,540	1,593	1,650	1,767	1,834
Texas Southern University	6,886	8,119	9,739	10,888	11,635	12,218	12,496	13,456	13,943
Texas State University-San Marcos	22,423	23,517	25,025	26,306	26,783	27,395	28,025	29,727	30,834
Texas Tech University	24,199	25,416	27,569	28,549	28,325	28,983	29,242	29,260	28,439
Texas Woman's University	8,404	7,887	8,703	9,701	10,746	10,955	11,177	12,254	13,612
The University of Texas at Arlington	20,424	21,180	23,821	24,979	25,297	25,563	25,950	27,688	29,489

	Actual 2000	Actual 2001	Actual 2002	Actual 2003	Actual/Prel 2004	2005	Total Projections		
							2006	2010	2015
The University of Texas at Austin	49,996	50,616	52,261	51,426	50,377	50,004	49,656	48,135	47,990
The University of Texas at Brownsville	3,157	3,494	3,527	3,703	4,052	4,171	4,304	4,869	5,465
The University of Texas at Dallas	10,945	12,455	13,229	13,718	14,092	14,426	14,639	15,813	17,627
The University of Texas at El Paso	15,224	16,220	17,232	18,542	18,918	19,549	20,046	22,488	24,840
The University of Texas at San Antonio	18,830	19,883	22,016	24,665	26,175	27,185	28,162	30,812	32,879
The University of Texas at Tyler	3,592	3,732	4,254	4,769	5,326	5,391	5,439	5,602	5,605
The University of Texas of the Permian Basin	2,272	2,409	2,672	3,028	3,291	3,428	3,565	3,634	3,765
The University of Texas Pan American	12,760	13,640	14,392	15,915	17,030	18,095	19,118	22,234	26,450
University of Houston	32,123	33,007	34,443	35,066	35,180	35,832	36,564	39,271	41,800
→ University of Houston-Clear Lake	7,580	7,738	7,753	7,776	7,785	7,851	7,935	8,354	8,734
University of Houston-Downtown	8,951	9,704	10,528	10,974	11,408	11,503	11,788	12,991	14,299
University of Houston-Victoria	1,698	1,927	2,183	2,411	2,418	2,485	2,538	2,830	3,147
University of North Texas	27,054	27,858	30,183	31,065	31,155	31,603	32,907	35,453	38,282
West Texas A&M University	6,775	6,675	6,780	7,023	7,299	7,433	7,565	7,589	7,341
University Statewide Totals	414,626	430,770	455,719	472,818	482,123	491,387	500,585	527,076	550,710

Table 5
Forecasted Changes in Fall Headcount Participation—Public Universities

	2000-2005		2005-2010		2010-2015	
	Number	Percent	Number	Percent	Number	Percent
Angelo State University	(53)	-0.8%	(87)	-1.4%	(425)	-6.9%
Lamar University	2,365	27.6%	(21)	-0.2%	(325)	-3.0%
Midwestern State University	549	9.4%	230	3.6%	20	0.3%
Prairie View A&M University	1,949	29.5%	872	10.2%	318	3.4%
Sam Houston State University	2,330	18.9%	1,025	7.0%	217	1.4%
Stephen F. Austin State University	(456)	-4.0%	420	3.8%	8	0.1%
Sul Ross State University	13	0.6%	162	8.0%	(19)	-0.9%
Sul Ross Rio Grande College	230	27.8%	125	11.8%	88	7.4%
Tarleton State University	1,796	23.8%	623	6.7%	51	0.5%
Texas A&M International University	1,485	48.9%	829	18.3%	591	11.0%
Texas A&M University	1,061	2.4%	(35)	-0.1%	(6)	0.0%
Texas A&M University at Galveston	279	20.5%	42	2.6%	(39)	-2.3%
Texas A&M University-Commerce	1,084	14.5%	671	7.8%	521	5.6%
Texas A&M University-Corpus Christi	1,724	25.3%	1,790	20.9%	381	3.7%
Texas A&M University-Kingsville	1,231	20.7%	477	6.7%	106	1.4%
Texas A&M University-Texarkana	398	33.3%	174	10.9%	67	3.8%
Texas Southern University	5,332	77.4%	1,238	10.1%	486	3.6%
Texas State University-San Marcos	4,972	22.2%	2,332	8.5%	1,107	3.7%
Texas Tech University	4,784	19.8%	277	1.0%	(821)	-2.8%
Texas Woman's University	2,551	30.3%	1,300	11.9%	1,357	11.1%
The University of Texas at Arlington	5,139	25.2%	2,124	8.3%	1,802	6.5%
The University of Texas at Austin	8	0.0%	(1,868)	-3.7%	(145)	-0.3%
The University of Texas at Brownsville	1,014	32.1%	698	16.7%	596	12.2%
The University of Texas at Dallas	3,481	31.8%	1,386	9.6%	1,814	11.5%

	2000-2005		2005-2010		2010-2015	
	Number	Percent	Number	Percent	Number	Percent
The University of Texas at El Paso	4,325	28.4%	2,939	15.0%	2,353	10.5%
The University of Texas at San Antonio	8,355	44.4%	3,627	13.3%	2,067	6.7%
The University of Texas at Tyler	1,799	50.1%	211	3.9%	3	0.1%
The University of Texas of the Permian Basin	1,156	50.9%	206	6.0%	131	3.6%
The University of Texas Pan American	5,335	41.8%	4,139	22.9%	4,216	19.0%
University of Houston	3,709	11.5%	3,439	9.6%	2,529	6.4%
University of Houston-Clear Lake	271	3.6%	503	6.4%	381	4.6%
University of Houston-Downtown	2,552	28.5%	1,488	12.9%	1,308	10.1%
University of Houston-Victoria	787	46.3%	345	13.9%	316	11.2%
University of North Texas	4,549	16.8%	3,850	12.2%	2,829	8.0%
West Texas A&M University	658	9.7%	156	2.1%	(247)	-3.3%
	76,761	18.5%	35,690	7.3%	23,634	4.5%

Table 6
Fall Headcount Participation Forecast—Two-year Colleges

	Actual 2000	Actual 2001	Actual 2002	Actual 2003	Actual/Prel 2004	2005	Projected Enrollments		
							2006	2010	2,015
ACCD Northwest Vista College	4,056	5,425	7,099	7,929	8,809	8,918	8,981	9,249	9,224
ACCD Palo Alto College	6,370	6,688	7,055	7,727	7,960	8,106	8,230	8,714	8,985
ACCD San Antonio College	20,490	21,303	21,481	22,109	22,141	22,378	22,650	23,796	24,521
ACCD St. Philip's College	8,286	8,628	9,329	9,880	10,575	10,867	11,041	11,740	12,315
Alvin Community College	3,531	3,667	4,161	4,049	3,933	4,200	4,284	4,579	4,902
Amarillo College	8,181	8,499	9,144	9,970	10,466	10,556	10,616	10,838	10,948
Angelina College	4,376	4,659	4,963	5,020	4,924	5,057	5,081	5,133	5,098
Austin Community College	25,853	27,577	29,156	28,862	29,004	29,261	29,536	30,959	32,942
Blinn College	12,025	12,686	13,806	14,057	14,027	14,454	14,615	14,761	14,473
Brazosport College	3,855	4,022	4,097	3,679	3,507	3,598	3,680	3,969	4,279
Central Texas College	6,650	7,231	7,935	7,651	7,930	7,674	7,757	8,111	8,421
Cisco Junior College	2,639	2,716	2,963	3,208	3,574	3,569	3,543	3,462	3,266
Clarendon College	1,001	880	968	959	1,013	1,020	1,033	1,025	953
Coastal Bend College	3,026	3,095	3,480	3,504	3,844	3,916	3,948	3,991	3,943
College of the Mainland CCD	3,159	3,346	3,588	3,919	3,948	4,096	4,169	4,423	4,587
Collin County CCD	12,704	14,179	15,766	16,332	17,702	18,423	19,563	23,588	29,787
DCCCD Brookhaven College	7,687	8,306	9,184	9,718	9,714	9,804	9,907	10,569	11,557
DCCCD Cedar Valley College	2,799	2,913	3,990	4,443	4,377	4,393	4,418	4,499	4,515
DCCCD Eastfield College	7,643	8,462	9,071	9,376	9,574	9,513	9,534	9,740	10,063
DCCCD El Centro College	4,366	4,763	5,672	6,182	5,901	5,975	6,032	6,347	6,728
DCCCD Mountain View College	4,949	5,729	6,266	5,843	6,227	6,254	6,315	6,686	7,200
DCCCD North Lake College	6,764	7,338	8,456	7,960	8,382	8,458	8,493	8,769	9,156
DCCCD Richland College	11,958	12,680	13,562	13,204	13,598	14,568	14,573	14,896	15,417
Del Mar College	9,683	10,246	11,159	11,289	11,245	11,397	11,518	12,209	12,469
El Paso CCD	17,747	18,356	19,644	22,704	23,828	24,779	25,438	27,414	28,154
Frank Phillips College	1,153	1,242	1,335	1,143	1,389	1,390	1,389	1,352	1,271
Galveston College	2,245	2,207	2,293	2,240	2,352	2,391	2,435	2,604	2,728
Grayson County College	3,260	3,470	3,498	3,837	3,941	3,931	3,980	4,053	4,052
Hill College	2,506	2,694	2,923	3,237	3,169	3,341	3,418	3,702	4,021
Houston Community College	33,509	34,714	34,928	33,631	35,982	36,792	37,674	41,133	45,089

	Actual 2000	Actual 2001	Actual 2002	Actual 2003	Actual/Prel 2004	2005	Projected Enrollments		
							2006	2010	2,015
Howard College	2,337	2,539	2,710	2,649	2,643	2,661	2,659	2,686	2,631
Kilgore College	3,872	4,026	4,578	4,874	4,935	4,913	4,899	4,778	4,530
Lamar Institute of Technology	2,349	2,448	2,422	2,538	2,540	2,581	2,599	2,635	2,609
Lamar State College-Orange	1,939	2,020	1,976	1,853	2,047	2,009	2,018	2,031	1,990
Lamar State College-Port Arthur	2,508	2,497	2,406	2,429	2,385	2,441	2,446	2,464	2,454
Laredo Community College	7,284	7,469	7,748	7,906	8,328	8,738	9,067	10,303	11,224
Lee College	6,170	6,226	6,329	6,233	5,864	5,984	6,071	6,381	6,658
McLennan Community College	5,721	6,110	6,532	7,052	7,522	7,893	8,199	9,152	9,577
Midland College	4,841	5,060	5,041	5,392	5,531	5,547	5,641	5,738	5,838
Navarro College	3,989	4,411	4,967	5,445	6,019	6,204	6,320	6,667	6,921
NHMCCCD Cy-Fair College*			3,154	6,683	8,451	8,581	8,796	9,146	9,647
NHMCCCD Kingwood College	4,568	5,302	5,970	6,060	6,405	6,463	6,587	6,799	7,030
NHMCCCD Montgomery College	5,316	5,776	6,258	6,712	7,180	7,439	7,779	9,022	10,354
NHMCCCD North Harris College	9,118	9,972	10,698	10,466	10,106	9,980	10,151	10,780	11,387
NHMCCCD Tomball College	5,902	8,336	7,891	7,420	7,342	7,399	7,480	7,600	7,590
North Central Texas College	4,794	5,182	6,158	6,353	6,462	6,660	6,819	7,553	8,486
Northeast Texas Comm College	1,990	2,203	2,423	2,508	2,473	2,495	2,508	2,493	2,435
Odessa College	4,568	4,545	4,935	4,783	4,569	4,575	4,586	4,519	4,394
Panola College	1,422	1,492	1,693	1,682	1,774	1,779	1,778	1,750	1,671
Paris Junior College	2,936	3,278	3,639	4,072	4,152	4,234	4,264	4,358	4,367
Ranger College	847	840	893	774	916	924	928	919	879
San Jacinto College Central Campus	10,816	11,139	11,283	11,540	11,977	12,100	12,214	12,485	12,655
San Jacinto College North Campus	4,937	4,976	5,036	4,981	5,479	5,457	5,541	5,834	6,090
San Jacinto College South Campus	6,238	6,632	7,225	7,582	7,998	8,129	8,254	8,664	9,026
South Plains College	7,432	8,512	8,994	9,595	9,537	9,578	9,586	9,364	8,970
South Texas College	11,183	12,443	13,691	15,228	17,132	17,957	18,725	21,571	23,695
Southwest Collegiate Institute	135	121	134	140	169	152	154	156	153
Southwest Texas Junior College	3,716	3,723	4,326	4,753	5,140	5,252	5,351	5,630	5,609
Tarrant County Northeast Campus	9,315	10,035	10,882	11,602	12,835	12,796	12,931	13,490	13,977
Tarrant County Northwest Campus	4,199	4,648	5,182	6,025	7,473	7,232	7,363	7,929	8,588
Tarrant County South Campus	7,062	7,337	8,027	8,200	10,189	10,223	10,429	11,316	12,298
Tarrant County Southeast Campus	7,293	7,797	8,370	8,579	9,029	8,905	9,052	9,666	10,298
Temple College	3,381	3,579	3,664	3,932	4,068	4,107	4,119	4,246	4,343

	Actual 2000	Actual 2001	Actual 2002	Actual 2003	Actual/Prel 2004	2005	Projected Enrollments		
							2006	2010	2,015
Texarkana College	3,394	3,526	3,538	3,987	3,797	4,121	4,115	3,995	3,722
Texas Southmost College	7,245	7,210	7,808	8,354	9,204	9,751	10,088	11,196	11,902
Texas State Technical College-Harlingen	3,266	3,842	4,109	4,082	4,456	4,396	4,544	5,009	5,286
Texas State Technical College-Marshall	3,928	4,068	4,203	4,286	4,485	4,538	4,586	4,690	4,698
Texas State Technical College-Waco	1,563	1,607	1,642	1,605	1,739	1,710	1,727	1,717	1,634
Texas State Technical College-West Texas	511	595	605	615	704	708	711	708	687
Trinity Valley Comm College	4,588	4,604	5,212	5,499	5,567	5,658	5,763	6,055	6,298
Tyler Junior College	8,240	8,451	8,977	9,591	9,430	9,521	9,590	9,805	9,903
Vernon College	2,095	2,269	2,523	2,640	2,692	2,666	2,674	2,663	2,602
Victoria College, The	4,021	4,006	4,028	4,241	4,034	4,178	4,227	4,271	4,188
Weatherford College	2,751	3,136	3,569	3,895	4,216	4,438	4,588	5,064	5,366
Western Texas College	1,176	1,323	1,579	1,601	1,698	1,716	1,690	1,638	1,532
Wharton County Junior College	4,571	5,281	5,771	5,906	6,100	6,295	6,542	7,281	7,897
	447,998	478,313	515,771	536,005	559,828	570,164	580,007	614,528	645,158

* NHMCCD Cy-Fair College opened in 2003 affecting enrollment at the NHMCCD Tomball campus

Table 7
Forecasted Changes in Fall Headcount Participation—Public Two-year Colleges

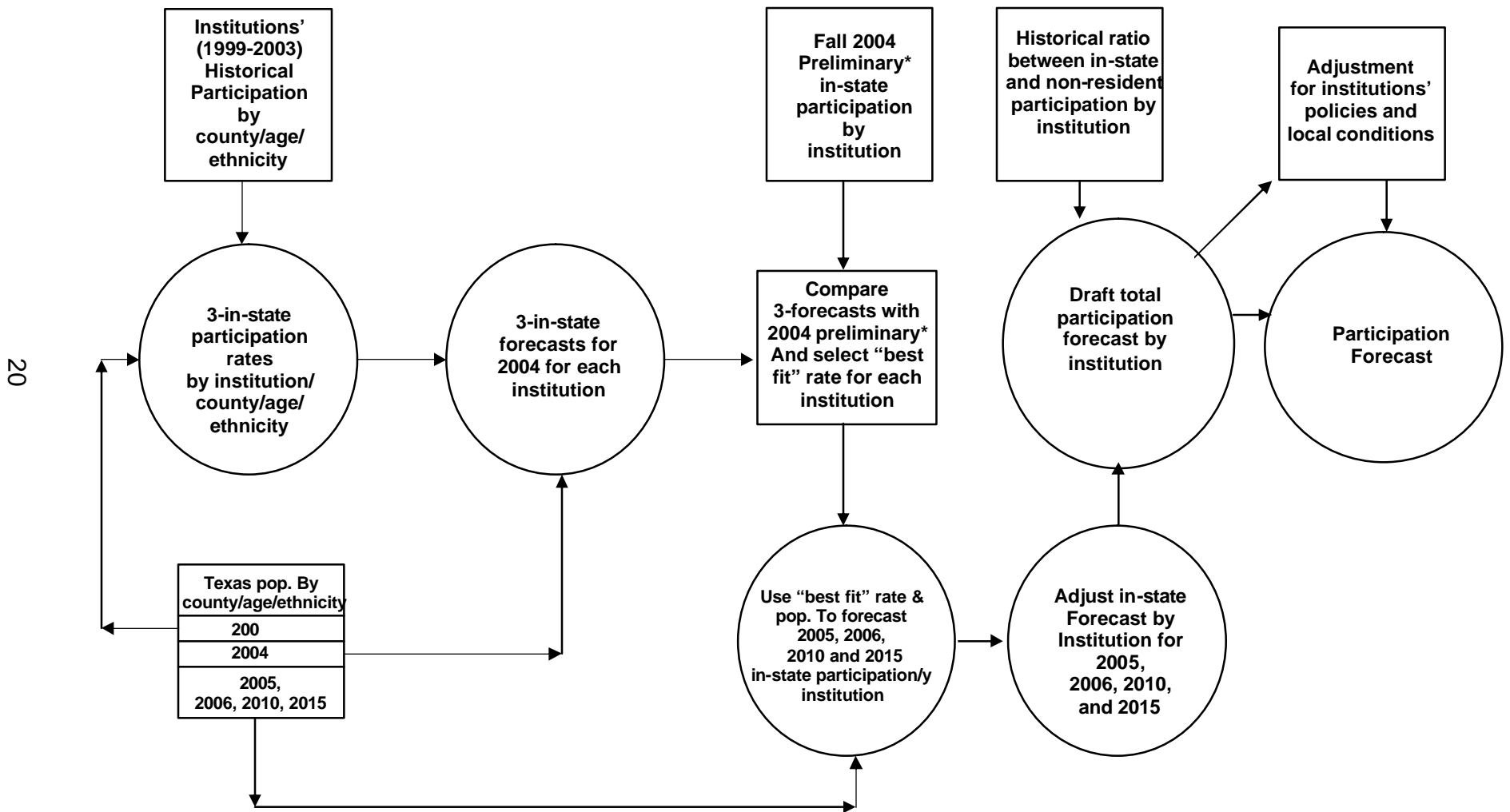
	2000-2005		2005-2010		2010-2015	
	Number	Percent	Number	Percent	Number	Percent
ACCD Northwest Vista College	4,862	119.9%	332	3.7%	(25)	-0.3%
ACCD Palo Alto College	1,736	27.3%	608	7.5%	271	3.1%
ACCD San Antonio College	1,888	9.2%	1,418	6.3%	725	3.0%
ACCD St. Philip's College	2,581	31.1%	874	8.0%	574	4.9%
Alvin Community College	669	18.9%	379	9.0%	323	7.1%
Amarillo College	2,375	29.0%	282	2.7%	110	1.0%
Angelina College	681	15.6%	76	1.5%	(34)	-0.7%
Austin Community College	3,408	13.2%	1,698	5.8%	1,983	6.4%
Blinn College	2,429	20.2%	307	2.1%	(288)	-1.9%
Brazosport College	(257)	-6.7%	371	10.3%	310	7.8%
Central Texas College	1,024	15.4%	436	5.7%	310	3.8%
Cisco Junior College	930	35.2%	(107)	-3.0%	(196)	-5.7%
Clarendon College	19	1.9%	5	0.5%	(72)	-7.0%
Coastal Bend College	890	29.4%	75	1.9%	(48)	-1.2%
College of the Mainland CCD	937	29.7%	327	8.0%	164	3.7%
Collin County CCD	5,719	45.0%	5,165	28.0%	6,199	26.3%
DCCCD Brookhaven College	2,117	27.5%	765	7.8%	988	9.3%
DCCCD Cedar Valley College	1,594	57.0%	106	2.4%	16	0.3%
DCCCD Eastfield College	1,870	24.5%	227	2.4%	323	3.3%
DCCCD El Centro College	1,609	36.8%	373	6.2%	381	6.0%
DCCCD Mountain View College	1,305	26.4%	432	6.9%	514	7.7%
DCCCD North Lake College	1,694	25.1%	310	3.7%	388	4.4%
DCCCD Richland College	2,610	21.8%	328	2.3%	521	3.5%
Del Mar College	1,714	17.7%	812	7.1%	260	2.1%
El Paso CCD	7,032	39.6%	2,636	10.6%	739	2.7%
Frank Phillips College	237	20.6%	(38)	-2.8%	(81)	-6.0%

	2000-2005		2005-2010		2010-2015	
	Number	Percent	Number	Percent	Number	Percent
Galveston College	146	6.5%	213	8.9%	124	4.8%
Grayson County College	671	20.6%	122	3.1%	(1)	0.0%
Hill College	835	33.3%	361	10.8%	319	8.6%
Houston Community College	3,283	9.8%	4,341	11.8%	3,956	9.6%
Howard College	324	13.8%	26	1.0%	(55)	-2.0%
Kilgore College	1,041	26.9%	(135)	-2.7%	(248)	-5.2%
Lamar Institute of Technology	232	9.9%	54	2.1%	(27)	-1.0%
Lamar State College-Orange	70	3.6%	22	1.1%	(40)	-2.0%
Lamar State College-Port Arthur	(67)	-2.7%	23	0.9%	(9)	-0.4%
Laredo Community College	1,454	20.0%	1,565	17.9%	921	8.9%
Lee College	(186)	-3.0%	396	6.6%	278	4.3%
McLennan Community College	2,172	38.0%	1,259	16.0%	426	4.7%
Midland College	706	14.6%	192	3.5%	100	1.7%
Navarro College	2,215	55.5%	463	7.5%	254	3.8%
NHMCCCD Cy-Fair College	8,581	NA	565	6.6%	501	5.5%
NHMCCCD Kingwood College	1,895	41.5%	336	5.2%	231	3.4%
NHMCCCD Montgomery College	2,123	39.9%	1,583	21.3%	1,332	14.8%
NHMCCCD North Harris College	862	9.5%	800	8.0%	607	5.6%
NHMCCCD Tomball College	1,497	25.4%	201	2.7%	(10)	-0.1%
North Central Texas College	1,866	38.9%	893	13.4%	933	12.4%
Northeast Texas Comm College	505	25.4%	(2)	-0.1%	(58)	-2.3%
Odessa College	7	0.2%	(57)	-1.2%	(124)	-2.8%
Panola College	357	25.1%	(28)	-1.6%	(80)	-4.5%
Paris Junior College	1,298	44.2%	124	2.9%	10	0.2%
Ranger College	77	9.1%	(6)	-0.6%	(39)	-4.3%
San Jacinto College Central Campus	1,284	11.9%	385	3.2%	171	1.4%
San Jacinto College North Campus	520	10.5%	377	6.9%	256	4.4%
San Jacinto College South Campus	1,891	30.3%	534	6.6%	362	4.2%
South Plains College	2,146	28.9%	(215)	-2.2%	(393)	-4.2%

	2000-2005		2005-2010		2010-2015	
	Number	Percent	Number	Percent	Number	Percent
South Texas College	6,774	60.6%	3,615	20.1%	2,124	9.8%
Southwest Collegiate Institute	17	12.7%	4	2.6%	(3)	-1.9%
Southwest Texas Junior College	1,536	41.3%	378	7.2%	(21)	-0.4%
Tarrant County Northeast Campus	3,481	37.4%	694	5.4%	487	3.6%
Tarrant County Northwest Campus	3,033	72.2%	698	9.6%	659	8.3%
Tarrant County South Campus	3,161	44.8%	1,093	10.7%	982	8.7%
Tarrant County Southeast Campus	1,612	22.1%	760	8.5%	633	6.5%
Temple College	726	21.5%	139	3.4%	97	2.3%
Texarkana College	727	21.4%	(126)	-3.1%	(273)	-6.8%
Texas Southmost College	2,506	34.6%	1,445	14.8%	706	6.3%
Texas State Technical College-Harlingen	1,130	34.6%	613	13.9%	277	5.5%
Texas State Technical College-Marshall	610	15.5%	152	3.4%	8	0.2%
Texas State Technical College-Waco	147	9.4%	8	0.4%	(83)	-4.8%
Texas State Technical College-West Texas	197	38.6%	(0)	0.0%	(21)	-2.9%
Trinity Valley Comm College	1,070	23.3%	398	7.0%	243	4.0%
Tyler Junior College	1,281	15.5%	284	3.0%	97	1.0%
Vernon College	571	27.3%	(4)	-0.1%	(61)	-2.3%
Victoria College, The	157	3.9%	92	2.2%	(82)	-1.9%
Weatherford College	1,687	61.3%	626	14.1%	302	6.0%
Western Texas College	540	45.9%	(78)	-4.6%	(106)	-6.4%
Wharton County Junior College	1,724	37.7%	986	15.7%	616	8.5%
	122,166	27.3%	44,364	7.8%	30,630	5.0%

** NHMCCD Cy-Fair College opened in 2003 affecting enrollment at the NHMCCD Tomball campus

Figure 3
 Participation Forecast Development Process
 Texas Higher Education Coordinating Board



*Certified Fall 2004 enrollment was used if available.

Texas Public College and University Participation Forecasts

Concept

Participation forecasts were developed for each of the public colleges and universities. Aggregate participation forecasts for the 35 public universities, the 50 public community college districts, four public technical colleges, and three state colleges were determined by summing institutional fall headcount enrollments. The forecast methodology employed five years of age- and racial/ethnic-specific historical participation by Texas counties. These participation data were combined with age- and racial/ethnic-specific demographic data. The forecast model used multiple regression analysis techniques modified by expected participation policies and other conditions affecting participation at individual institutions. A general description follows:

- In-state participation, which reflects in-state students, is based on population estimates. Five-year (1999-2003) historical participation by county, age groups, and racial/ethnic groups (Hispanic, African American, White, and Other) for each institution were combined with compatible population data to develop three alternative, age-specific participation rates for each of the four racial/ethnic groups in each of the 254 counties for 2004. These rates, combined with 2004 population estimates, were used to compute three alternative in-state participation levels for each institution for 2004.
- The three alternative forecasts were compared with the institutions' certified (if available) or preliminary in-state participation for fall 2004 and with past participation trends. Also taken into consideration was the accuracy of the past forecasts. If certified fall 2004 enrollment data was not available, a "best fit" participation was selected for each institution and adjusted as necessary by applying a multiplier to adjust the "best fit" within +/- 3 percent of the in-state preliminary headcount.
- Participation rates and multipliers which produced the "best fit" were applied to projected population by county/age/ethnic data for the years 2005, 2006, 2010, and 2015 to obtain a forecast of in-state participation for each institution. The resulting forecast was based on a fixed rate for the entire forecast period.
- Nonresidential participation, which includes both out-of-state and foreign students, was determined by examining the five-year historical record (1999-2003) and computing a ratio of nonresident to in-state students for each institution. These historical data were compared with the certified (if available) or preliminary fall 2004 participation of nonresidential students for each institution. If certified 2004 data was not available, the "best fit"

ratio was selected for each institution and used to compute nonresident participation.

- The adjusted in-state participation and the computed nonresident participation for each institution were combined to obtain a draft total participation forecast for the years 2005, 2006, 2010, and 2015.
- An additional adjustment was made to the draft total participation based on known enrollment management policies at some institutions. Also, the draft forecast was sent to each institution for review and response prior to final publication. Based on conditions unique to specific institutions which could not be accounted for in the methodology, some adjustments were made.

Historical Participation

Tables 8, 9, 10, and 11 provide a sample of participation data. Data in these tables represent all public universities and public two-year colleges statewide by age and racial/ethnic group. This same participation information is available for each of the public universities and public two-year colleges, at the county level. Between 1999 and 2003, enrollment increased at public universities by 65,744 students (16.2 percent). At public community and technical colleges, enrollment increases totaled 100,682 students, or 23.1 percent.

At both types of institutions, increases have been greater for Hispanics than for African American, White and Other students. Nevertheless, in 2003, White students made up 55 percent of the enrollment at public universities and 50.6 percent at public two-year colleges. Approximately 88.6 percent of all public university students and 84.4 percent of two-year college students were under 35 years of age. Texas residents comprised 89.5 percent of all students at public universities and 95.8 percent at public two-year colleges.

Table 8
Fall In-State Participation by Age and Race/Ethnicity—Public Universities

Year	Age 15-19	Age 20-24	Age 25-29	Age 30-34	Age 35-39	Age 40-Up	All Ages
1999							
White	53,977	100,492	28,938	14,033	10,347	20,673	228,484
African American	9,632	13,819	4,854	2,576	1,977	3,296	36,154
Hispanic	17,872	32,069	12,746	5,528	3,487	4,755	76,457
Other	6,567	10,994	3,545	1,309	798	987	24,200
Total	88,048	157,374	50,083	23,446	16,609	29,711	365,271
2000							
White	54,691	101,431	27,484	14,103	9,736	20,386	227,867
African American	10,375	14,735	4,920	2,753	2,035	3,439	38,276
Hispanic	19,072	32,834	12,805	5,857	3,504	5,004	79,081
Other	7,240	11,515	3,676	1,403	793	1,109	25,746
Total	91,378	160,515	48,885	24,116	16,068	29,938	370,970
2001							
White	56,443	105,249	26,893	14,240	9,255	20,162	232,269
African American	11,293	16,087	5,070	3,022	1,962	3,499	40,934
Hispanic	20,817	34,850	13,223	6,346	3,591	5,108	83,937
Other	7,799	12,476	3,707	1,639	808	1,229	27,665
Total	96,352	168,662	48,893	25,247	15,616	29,998	384,805
2002							
White	57,705	110,198	27,857	14,708	9,259	21,080	240,812
African American	12,316	17,898	5,715	3,477	2,147	3,988	45,541
Hispanic	22,479	37,818	14,255	6,957	3,872	5,473	90,855
Other	8,259	13,780	3,970	1,899	919	1,409	30,239
Total	100,759	179,694	51,797	27,041	16,197	31,950	407,447
2003							
White	58,771	113,255	28,906	14,946	8,995	20,746	245,624
African American	13,260	19,426	5,767	3,667	2,192	3,917	48,230
Hispanic	24,214	40,737	14,972	7,567	4,052	5,771	97,313
Other	8,637	14,688	4,161	1,991	1,018	1,481	31,983
Total	104,882	188,106	53,806	28,171	16,257	31,915	423,150

Table 9
In-State and Nonresident Participation for Public Universities

Year	In-State Enrollment	Nonresident Enrollment	Total Enrollment
1999	365,309	41,765	407,074
2000	370,970	43,656	414,626
2001	384,805	45,965	430,770
2002	407,447	48,272	455,719
2003	423,150	49,668	472,818

Table 10
Fall In-State Participation by Age and Race/Ethnicity—Public Two-Year Colleges

Year	Age 15-19	Age 20-24	Age 25-29	Age 30-34	Age 35-39	Age 40-Up	All Ages
1999							
White	78,577	64,730	26,022	16,397	14,521	28,546	228,862
African American	10,826	11,887	6,965	5,107	4,255	6,164	45,217
Hispanic	34,578	41,637	17,300	9,473	6,616	9,365	118,978
Other	4,682	5,836	2,793	1,518	1,168	1,838	17,843
Total	128,663	124,090	53,080	32,495	26,560	45,913	410,900
2000							
White	82,329	65,864	24,707	15,832	13,592	28,110	230,497
African American	11,214	12,419	7,229	5,251	4,249	6,371	46,742
Hispanic	36,763	43,329	18,064	9,730	6,699	9,449	124,057
Other	5,768	6,368	2,806	1,634	1,188	1,998	19,782
Total	136,074	127,980	52,806	32,447	25,728	45,928	421,078
2001							
White	87,684	71,258	25,222	16,803	13,102	28,189	242,323
African American	11,755	13,614	7,510	5,730	4,392	6,766	49,781
Hispanic	40,130	46,424	19,052	10,850	6,832	9,795	133,111
Other	7,745	7,508	3,149	1,924	1,433	2,316	24,119
Total	147,314	138,804	54,933	35,307	25,759	47,066	449,334
2002							
White	92,430	76,569	27,803	18,175	13,016	29,825	257,893
African American	12,561	15,062	8,242	6,427	4,657	7,469	54,429
Hispanic	44,219	50,384	21,046	12,131	7,652	11,401	146,870
Other	8,037	8,523	3,369	2,165	1,483	2,476	26,093
Total	157,247	150,538	60,460	38,898	26,808	51,171	485,285
2003							
White	94,208	80,227	29,298	19,151	12,931	29,424	265,297
African American	13,293	16,067	8,957	7,106	4,933	7,928	58,291
Hispanic	49,365	54,994	22,384	13,371	8,133	12,230	160,519
Other	8,322	10,191	3,834	2,572	1,715	2,740	29,399
Total	165,188	161,479	64,473	42,200	27,712	52,322	513,506

Table 11
In-State and Nonresident Participation for Public Two-year Colleges

Year	In-State Enrollment	Nonresident Enrollment	Total Enrollment
1999	410,900	24,423	435,323
2000	421,078	26,920	447,998
2001	449,334	28,979	478,313
2002	485,285	30,486	515,771
2003	513,506	22,499	536,005

Texas Population Projections

The participation forecast used the Texas State Data Center population projections, completed in spring 2004, which are based on a cohort-component technique. Projections from a base population—from the 2000 federal census—were made individually for people with a common characteristic (in this case age, gender, and race/ethnicity) for fertility, mortality, and migration.

Age, gender, and race/ethnicity-specific fertility rates were computed using recorded births and place of residence of the mother. This information was obtained from the Texas Department of Health. Data on women by age (10 to 49) and race/ethnicity were obtained from the 2000 federal census of the population.

Life survival rates for Whites, Hispanics, African Americans, and Others were computed using Texas Department of Health Mortality data. Migration rates were derived using net migration estimates by age, gender and race/ethnicity in Texas for 1990-2000 and 2000-2003. Using this as a base, migration rates were computed for White, Hispanic, African American, and Other populations for the appropriate timeframe. To deal with the migration component, which is the most difficult to project, alternative scenarios of growth were developed. All scenarios used the same set of mortality and fertility rates but differed in the assumptions relative to net migration. Population projections used in this revised enrollment forecast assumed that migration rates will be the same as those for the 2000-2003 timeframe.

Statewide population projections show several significant features of the future Texas population (see Table 12):

- Between 2004 and 2015, the total population will grow at an average annual rate of about 2.2 percent.
- Hispanics will continue to be the fastest growing racial/ethnic group. In 2004, Hispanics comprised about 34.7 percent of the population; by 2015, this share will reach 42.3 percent. The African American share will drop from 11.4 percent to 10.8 percent, while the White share will decline from 50.1 percent in 2004 to approximately 42 percent in 2015.
- The 40-year old-and-above age group will grow at a faster rate than the younger age groups. That age group will change from 40.8 percent of the population in 2004 to 50.4 percent of the population in 2015.
- The 15-to-34 year-old population, which makes up about 30.4 percent of the total in 2004, will drop to 29.4 percent in 2015. Overall, the 15-to-34 age group will increase at about 1.8 percent per year between 2005 and 2015.

Although Table 12 indicates the populations at the statewide level only, similar data are available for each of the 254 Texas counties.

Table 12
Texas Statewide Population by Race/Ethnicity

Year	Age 0-14	Age 15-19	Age 20-24	Age 25-29	Age 30-34	Age 35-39	Age 40-Up	All Ages
2004								
White	1,276,800	755,531	740,196	673,660	754,431	776,258	6,324,841	11,301,717
African American	395,309	224,880	215,769	184,361	195,860	196,927	1,167,552	2,580,658
Hispanic	1,418,595	679,293	731,775	726,889	691,738	597,062	2,981,914	7,827,266
Other	109,600	57,398	61,732	70,389	85,475	77,268	377,639	839,501
Total	3,200,304	1,717,102	1,749,472	1,655,299	1,727,504	1,647,515	10,851,946	22,549,142
2005								
White	1,259,657	756,013	749,008	681,403	731,644	769,736	6,407,038	11,354,499
African American	394,899	231,567	219,208	190,691	193,146	195,762	1,196,290	2,621,563
Hispanic	1,459,140	704,699	748,684	756,255	726,644	624,540	3,124,576	8,144,538
Other	113,109	59,819	63,420	70,456	87,667	82,646	404,838	881,955
Total	3,226,805	1,752,098	1,780,320	1,698,805	1,739,101	1,672,684	11,132,742	23,002,555
2006								
White	1,244,331	752,671	753,922	697,498	704,650	780,503	6,471,449	11,405,024
African American	393,815	237,384	222,386	198,563	189,079	198,274	1,223,041	2,662,542
Hispanic	1,494,015	734,379	762,211	787,540	762,180	658,103	3,272,919	8,471,347
Other	116,558	62,420	64,959	71,155	88,950	88,449	433,423	925,914
Total	3,248,719	1,786,854	1,803,478	1,754,756	1,744,859	1,725,329	11,400,832	23,464,827
2010								
White	1,197,284	715,839	757,332	757,098	694,114	741,228	6,725,076	11,587,971
African American	387,853	245,727	242,551	223,922	194,663	200,581	1,331,552	2,826,849
Hispanic	1,610,609	840,341	837,130	912,529	896,099	818,858	3,961,702	9,877,268
Other	124,481	72,838	74,465	79,779	88,347	108,624	568,908	1,117,442
Total	3,320,227	1,874,745	1,911,478	1,973,328	1,873,223	1,869,291	12,587,238	25,409,530
2015								
White	1,218,651	669,003	717,274	765,973	771,327	702,943	6,931,564	11,776,735
African American	390,509	231,548	257,887	247,781	228,758	201,861	1,471,090	3,029,434
Hispanic	1,893,658	890,102	1,000,596	1,018,364	1,084,421	1,011,266	4,963,250	11,861,657
Other	146,613	80,983	90,901	93,398	99,451	110,174	774,685	1,396,205
Total	3,649,431	1,871,636	2,066,658	2,125,516	2,183,957	2,026,244	14,140,589	28,064,031

Participation Rate Alternatives

The five-year (1999-2003) in-state participation data base and the population data base were used to obtain enrollment rates for each of the four racial/ethnic groups (White, Hispanic, African American, and Other) by county and age groups for each institution. Three alternative rates were calculated as follows:

2003 Racial/Ethnic Rate: The total number of students in a specific age/racial/ethnic group from each county attending each institution in 2003 divided by the total number of people of the specific age/racial/ethnic group living in the county.

Trend Racial/Ethnic Rates: Using five years of observed participation data, two straight-line arithmetic trend participation levels were developed by age/racial/ethnic groups and county for each institution. These were: (1) the 1999-2003 five-year trend extended to 2004 and (2) the five-year trend extended to 2005. The equation $Y_c = a + bx$ was used, where:

a is the mean participation over the five-year period;

b is the deviation from the center year multiplied by the observed participation, summed and divided by the sum of the squares of the deviations, and

$x = +2$ for the five-year trend extended to 2004, $+3$ for the five-year trend extended to 2005.

The predicted trend participation (Y_c) for each age/racial/ethnic group was divided by the total number of people of the specific age/racial/ethnic group living in the county for the corresponding year.

Each of these three alternative participation rates contained attendance rates for each of the 254 counties at each institution by six age groups (15 to 19, 20 to 24, 25 to 29, 30 to 34, 35 to 39, and 40 and above) for four racial/ethnic groups (White, Hispanic, African American, and Other).

In-State Participation Forecast Alternatives for 2004

Previous computed participation rates for each county were multiplied by the corresponding age/racial/ethnic/county population projections for 2004. This produced three alternative forecasts of students by age/racial/ethnicity from each county expected to attend each institution in 2004. Age groups were then summed to obtain statewide forecasts of White, Hispanic, African American, and Other students at each institution in 2004. Total in-state participation for each of the three alternatives was obtained by summing the racial/ethnic participation. The three alternative in-state participation levels for each institution are shown in Tables 13 and 14.

Table 13
In-State Participation Alternative Forecasts—Public Universities

	2003 Actual	2004 (Trend) Rate	2004 (Trend) Rate	2004 (Trend) Rate
Angelo State University	5,816	6,353	5,947	5,988
Lamar University	9,611	9,238	9,689	9,621
Midwestern State University	5,712	5,652	5,780	5,769
Prairie View A&M University	7,336	7,147	7,507	7,304
Sam Houston State University	13,031	13,410	13,365	13,107
Stephen F. Austin State University	10,963	11,444	11,170	10,966
Sul Ross Rio Grande College	946	930	958	944
Sul Ross State University	2,045	2,042	2,104	2,069
Tarleton State University	8,430	8,417	8,660	8,407
Texas A&M International University	3,833	3,805	3,987	3,773
Texas A&M University.	38,511	41,049	39,440	38,997
Texas A&M University at Galveston	1,329	1,292	1,354	1,376
Texas A&M University-Commerce	7,650	8,087	7,779	7,808
Texas A&M University-Corpus Christi	7,568	7,644	7,711	7,698
Texas A&M University-Kingsville	6,262	6,422	6,419	6,331
Texas A&M University-Texarkana	994	964	996	1,029
Texas Southern University	9,451	8,654	9,652	9,314
Texas State University-San Marcos	25,392	25,749	26,079	25,308
Texas Tech University	25,477	25,754	26,033	25,400
Texas Woman's University	9,046	8,552	9,217	8,708
University of Texas at Arlington	21,573	21,208	21,925	21,461
University of Texas at Austin	41,501	44,242	42,344	42,216
University of Texas at Brownsville	3,647	3,676	3,758	3,726
University of Texas at Dallas	9,935	9,691	10,078	10,082
University of Texas at El Paso	15,621	15,354	16,103	15,416
University of Texas at San Antonio	23,488	21,936	23,969	22,803
University of Texas at Tyler	4,545	4,209	4,611	4,502
University of Texas of the Permian Basin	2,903	2,663	2,947	2,901
University of Texas-Pan American	15,438	15,186	16,083	15,106
University of Houston	31,628	32,367	32,362	31,520
University of Houston-Clear Lake	6,831	6,965	6,888	6,986
University of Houston-Downtown	10,588	10,619	10,841	10,650
University of Houston-Victoria	2,345	2,224	2,389	2,382
University of North Texas	27,393	27,752	27,947	27,340
West Texas A&M University	6,311	6,478	6,469	6,298

Table 14
In-State Participation Alternative Forecasts
Public Two-year Colleges

	2003 Actual	2004 (Trend) Rate	2004 (Trend) Rate	2004 (Trend) Rate
Alamo CCD NW Vista College	7,703	7,080	7,796	8,000
Alamo CCD Palo Alto College	7,613	7,223	7,747	7,439
Alamo CCD San Antonio College	21,252	21,262	21,561	21,183
Alamo CCD St. Philip's College	9,336	9,243	9,486	9,352
Alvin Community College	4,003	4,259	4,087	4,053
Amarillo College	9,917	9,260	10,024	9,715
Angelina College	4,915	4,964	4,944	5,066
Austin Community College	27,298	28,199	27,473	27,830
Blinn College	13,714	13,903	13,917	13,963
Brazosport College	3,625	4,236	3,701	3,887
Central Texas College	6,714	7,238	6,770	6,993
Cisco Junior College	3,176	2,948	3,177	3,217
Clarendon College	887	890	892	996
Coastal Bend College	3,466	3,536	3,512	3,548
College of The Mainland CCD	3,914	3,739	4,002	3,830
Collin County CCD	15,174	16,161	15,987	15,396
DCCCD Brookhaven College	8,968	8,519	9,041	8,909
DCCCD Cedar Valley College	4,358	3,976	4,384	4,265
DCCCD Eastfield College	9,193	8,902	9,215	9,307
DCCCD El Centro College	5,862	5,358	5,903	5,735
DCCCD Mountain View College	5,746	6,218	5,796	6,098
DCCCD North Lake College	6,987	7,435	6,998	7,242
DCCCD Richland College	12,254	12,278	12,247	12,400
Del Mar College	11,038	11,279	11,199	11,227
El Paso Community College Dist	21,291	19,574	21,945	20,114
Frank Phillips College	1,056	1,221	1,048	1,185
Galveston College	2,165	2,311	2,214	2,254
Grayson County College	3,519	3,258	3,556	3,472
Hill College	3,093	2,913	3,167	3,110
Houston Community College	30,865	26,108	31,557	28,797
Howard College	2,592	2,648	2,595	2,823
Kilgore College	4,675	4,420	4,693	4,652
Lamar Institute of Technology.	2,503	2,439	2,531	2,519
Lamar State College-Orange	1,690	1,814	1,698	1,789
Lamar State College-Port Arthur	2,405	2,405	2,416	2,436
Laredo Community College	7,560	8,111	7,863	7,575
Lee College	6,198	6,429	6,277	6,344
McLennan Community College	6,935	6,484	6,963	6,906
Midland College	5,270	4,981	5,308	5,308
Navarro College	5,048	4,716	5,167	5,065
NHMCCCD Cy-Fair College	6,409	3,115	6,465	7,942
NHMCCCD Kingwood College	5,891	5,965	5,960	6,162
NHMCCCD Montgomery College	6,542	6,666	6,826	6,526

	2003 Actual	2004 (Trend) Rate	2004 (Trend) Rate	2004 (Trend) Rate
NHMCCCD North Harris College	9,807	10,365	9,961	10,033
NHMCCCD Tomball College	7,099	7,734	7,172	8,036
North Central Texas College	6,158	6,207	6,319	6,367
Northeast Texas Community College	2,440	2,409	2,459	2,503
Odessa College	4,661	4,863	4,695	4,754
Panola College	1,553	1,594	1,560	1,603
Paris Junior College	3,946	3,627	3,994	3,912
Ranger College	720	841	726	879
San Jacinto College Central Campus	11,103	10,452	11,209	10,962
San Jacinto College North Campus	4,811	4,691	4,878	4,821
San Jacinto College South Campus	6,989	6,370	7,100	6,840
South Plains College	9,221	8,791	9,270	9,370
South Texas College	15,228	14,879	15,870	15,038
Southwest Collegiate Institute	103	95	106	144
Southwest Texas Junior College	4,676	4,476	4,771	4,621
Tarrant County Northeast Campus	11,582	11,110	11,717	11,522
Tarrant County Northwest Campus	6,022	5,348	6,127	5,841
Tarrant County South Campus	8,189	8,335	8,347	8,247
Tarrant County Southeast Campus	8,571	8,659	8,725	8,759
Temple College	3,878	3,645	3,888	3,910
Texarkana College	2,970	2,650	2,968	2,910
Texas Southmost College	7,899	7,895	8,161	7,641
Trinity Valley Community College	5,419	5,343	5,523	5,483
Tyler Junior College	9,420	9,040	9,540	9,276
Vernon College	2,541	2,491	2,553	2,632
Victoria College, The	4,135	4,133	4,222	4,162
Weatherford College	3,837	3,817	3,995	3,869
Western Texas College	1,556	1,502	1,540	1,668
Wharton County Junior College	5,890	6,282	6,175	6,021
Texas State Technical College-Harlingen	3,897	4,289	4,026	4,092
Texas State Technical College-Marshall	598	609	603	662
Texas State Technical College-Waco	4,176	4,255	4,247	4,298
Texas State Technical College-West Texas	1,591	1,685	1,605	1,778

In-State Participation "Best Fit" Rate Selection

The next step was to select, for each institution, one of the three in-state participation rate alternatives. The following criteria were used:

1. The participation forecast produced for 2004, when compared with the preliminary 2004 participation and five-year trend, must be the one closest to the participation which follows the general trend of the historical participation pattern. If the historical participation pattern is increasing, the selected alternative should be greater than the preliminary 2004 participation. If the pattern is decreasing, the selected

alternative should be less than the preliminary 2004 participation. If the pattern is stable, the nearest alternative should be selected without regard to its relationship to the preliminary 2004 participation.

2. If the historical pattern is increasing or decreasing, the 2004 participation produced by the selected alternative must fall within 3 percent of the preliminary 2004 participation. If the historical pattern is stable, the 2004 participation produced by the selected alternative must fall within plus or minus 1 percent of the preliminary 2004 participation. If necessary, a multiplier can be computed to satisfy this condition.

The selected "best fit" alternative (see Tables 15 and 16) determined which rate to use for each institution in forecasting 2005, 2006, 2010, and 2015 participation. The multiplier, if needed, was used to augment the forecast for each year.

Table 15
 In-State Participation—Public Universities
 Comparison of Preliminary to Forecast In-State Participation for 2004

	2004 Certified In-State Participation	"Best Fit" In-State Participation	Selected Rate
Angelo State University	5,905	5,947	2003
Lamar University	10,033	9,689	2003
Midwestern State University	5,612	5,652	2002
Prairie View A&M University	7,778	7,507	2003
Sam Houston State University	13,920	13,410	2002
Stephen F. Austin State University	10,848	10,966	2004
Sul Ross Rio Grande College	1,050	958	2003
Sul Ross State University	1,879	2,042	2002
Tarleton State University	8,538	8,660	2003
Texas A&M International University	4,023	3,987	2003
Texas A&M University	38,369	38,997	2004
Texas A&M University at Galveston	1,353	1,354	2003
Texas A&M University-Commerce	7,903	7,808	2004
Texas A&M University-Corpus Christi	7,915	7,711	2003
Texas A&M University-Kingsville	6,424	6,422	2002
Texas A&M University-Texarkana	1,045	1,029	2004
Texas Southern University	10,182	9,652	2003
Texas State University-San Marcos	25,828	25,749	2002
Texas Tech University	25,364	25,400	2004
Texas Woman's University	9,849	9,217	2003
University of Texas at Arlington	22,073	21,925	2003
University of Texas at Austin	40,694	42,216	2004
University of Texas at Brownsville	3,901	3,758	2003
University of Texas at Dallas	10,335	10,082	2004
University of Texas at El Paso	16,040	16,103	2003
University of Texas at San Antonio	24,892	23,969	2003
University of Texas at Tyler	5,045	4,611	2003
University of Texas of the Permian Basin	3,157	2,947	2003
University of Texas-Pan American	16,522	16,083	2003
University of Houston	31,846	31,520	2004
University of Houston-Clear Lake	6,882	6,888	2003
University of Houston-Downtown	10,996	10,841	2003
University of Houston-Victoria	2,375	2,382	2004
University of North Texas	28,041	27,947	2003
West Texas A&M University	6,533	6,478	2002

Table 16

In-State Participation—Public Two-year Colleges
Comparison of Preliminary to Forecast In-State Participation for 2004

	2004 Prelim/Certified In-State Participation	"Best Fit" In-State Participation	Selected Rate
Alamo CCD NW Vista College	8,433	8,000	2004
Alvin Community College	3,877	4,053	2004
Amarillo College	11,607	10,024	2003
Angelina College	4,847	4,944	2003
Austin Community College	27,398	27,473	2003
Blinn College	13,705	13,903	2002
Brazosport College	3,469	3,701	2003
Central Texas College	6,383	6,770	2003
Cisco Junior College	3,427	3,217	2004
Clarendon College	940	892	2003
Coastal Bend College	3,774	3,548	2004
College of The Mainland CCD	3,952	4,002	2003
Collin County CCD	16,481	16,161	2002
DCCCD Brookhaven College	9,032	9,041	2003
DCCCD Cedar Valley College	4,244	4,265	2004
DCCCD Eastfield College	9,421	9,307	2004
DCCCD El Centro College	5,757	5,735	2004
DCCCD Mountain View College	6,128	6,098	2004
DCCCD North Lake College	7,437	7,435	2002
DCCCD Richland College	12,665	12,400	2004
Del Mar College	11,024	11,199	2003
El Paso CCD	24,910	21,945	2003
Frank Phillips College	1,309	1,221	2002
Galveston College	2,266	2,254	2004
Grayson County College	3,606	3,556	2003
Hill College	3,032	3,110	2004
Houston Community College	33,049	31,557	2003
Howard College	2,569	2,595	2003
Kilgore College	4,763	4,693	2003
Lamar Institute Of Technology.	2,508	2,519	2004
Lamar State College-Orange	1,829	1,814	2002
Lamar State College-Port Arthur	2,361	2,405	2002
Laredo Community College	8,025	8,111	2002
Lee College	5,788	6,277	2003
McLennan Community College	7,399	6,963	2003
Midland College	5,402	5,308	2004

	2004 Prelim/Certified In-State Participation	"Best Fit" In-State Participation	Selected Rate
Navarro College	5,697	5,167	2003
NHMCCCD Cy-Fair College	8,319	7,942	2004
NHMCCCD Kingwood College	6,310	6,162	2004
NHMCCCD Montgomery College	7,071	6,826	2003
NHMCCCD North Harris College	9,818	9,961	2003
NHMCCCD Tomball College	7,250	7,172	2003
North Central Texas College	6,281	6,319	2003
Northeast Texas Community College	2,380	2,409	2002
Odessa College	4,455	4,695	2003
Palo Alto College	7,884	7,747	2003
Panola College	1,607	1,603	2004
Paris Junior College	4,009	3,994	2003
Ranger College	869	879	2004
San Antonio College	21,324	21,262	2002
San Jacinto College Central Campus	11,555	11,209	2003
San Jacinto College North Campus	5,356	4,878	2003
San Jacinto College South Campus	7,358	7,100	2003
South Plains College	9,282	9,270	2003
South Texas College	16,519	15,870	2003
Southwest Collegiate Institute	123	106	2003
Southwest Texas Junior College	3,988	4,771	2002
St. Philip's College	9,886	9,486	2003
Tarrant County Northeast Campus	12,707	11,717	2003
Tarrant County Northwest Campus	7,398	6,127	2003
Tarrant County South Campus	10,087	8,347	2003
Tarrant County Southeast Campus	8,939	8,759	2004
Temple College	4,031	3,910	2004
Texarkana College	2,801	2,910	2004
Texas Southmost College	8,890	8,161	2003
Trinity Valley Community College	5,493	5,483	2004
Tyler Junior College	9,277	9,276	2004
Vernon College	2,588	2,553	2003
Victoria College, The	3,941	4,133	2002
Weatherford College	4,143	3,995	2003
Western Texas College	1,648	1,668	2004
Wharton County Junior College	6,087	6,021	2004
Texas State Technical College-Harlingen	4,412	4,289	2002
Texas State Technical College-Marshall	688	662	2004
Texas State Technical College-Waco	4,342	4,298	2004
Texas State Technical College-West Texas	1,716	1,685	2002

In-State Participation Forecast

The selected “best fit” participation rate alternative for each institution and for each racial/ethnic group was applied to the corresponding age/racial/ethnic group projected population for 2005, 2006, 2010, and 2015 by county. Age groups were summed for each year, by racial/ethnic group, to provide county total participation for White, Hispanic, African American, and Other students at each institution for each of the forecast years. County participation levels were summed by institution and year to provide total White, Hispanic, African American, and Other student forecasts for each institution. Finally, the racial/ethnic participation levels for each institution were summed to produce total in-state participation. Multipliers are applied to the in-state participation to meet the criteria if needed.

Nonresident Participation Ratios

The percent of in-state students varies from .5 percent to 48 percent at public universities and from 0 percent to 36 percent at public two-year colleges. Therefore, it was necessary to determine a means of accounting for expected nonresident students in each institution. This was done by selecting a representative “nonresidential factor” for each institution, based on historical data from 1999 to 2003. The ratios of nonresident to in-state participation were compared with the preliminary 2004 nonresident to in-state ratios for each institution. The selected ratio became a factor used later in the forecast process to determine nonresident participation forecasts for each institution. See Tables 17 and 18 for the 1999-2003 average, 2003, actual/preliminary 2004, and selected ratios.

Table 17
Nonresident Participation Ratios—Public Universities

	Average	2003	2004 Certified Or Preliminary	Selected
Angelo State University	0.035	0.037	1.261	0.035
Lamar University	0.068	0.080	0.085	0.080
Midwestern State University	0.133	0.124	0.115	0.115
Prairie View A&M University	0.075	0.064	0.073	0.075
Sam Houston State University	0.026	0.030	0.030	0.030
Stephen F. Austin State University	0.027	0.036	0.030	0.030
Sul Ross State University	0.025	0.031	0.031	0.031
Sul Ross State University Rio Grande College	0.005	0.008	0.021	0.005
Tarleton State University	0.053	0.049	0.055	0.053
Texas A&M International University	0.062	0.064	0.061	0.061
Texas A&M University	0.161	0.164	0.162	0.161
Texas A&M University at Galveston	0.274	0.219	0.194	0.194
Texas A&M University-Commerce	0.076	0.092	0.081	0.081
Texas A&M University-Corpus Christi	0.035	0.039	0.040	0.039
Texas A&M University-Kingsville	0.079	0.092	0.109	0.092
Texas A&M University-Texarkana	0.423	0.438	0.474	0.474
Texas Southern University	0.174	0.152	0.143	0.174
Texas State University - San Marcos	0.033	0.036	0.037	0.037
Texas Tech University	0.126	0.121	0.153	0.126
Texas Woman's University	0.073	0.072	0.091	0.091
The University of Texas at Arlington	0.140	0.158	0.146	0.149
The University of Texas at Austin	0.232	0.239	0.238	0.239
The University of Texas at Brownsville	0.061	0.015	0.034	0.707
The University of Texas at Dallas	0.382	0.381	0.371	0.378
The University of Texas at El Paso	0.188	0.187	0.183	0.182
The University of Texas at San Antonio	0.048	0.050	0.052	0.052
The University of Texas at Tyler	0.040	0.049	0.056	0.056
The University of the Permian Basin	0.034	0.043	0.057	0.043
The University of Texas-Pan American	0.030	0.031	0.031	0.031
University of Houston	0.115	0.109	0.105	0.105
University of Houston-Clear Lake	0.149	0.138	0.131	0.131
University of Houston-Downtown	0.040	0.036	0.037	0.037
University of Houston-Victoria	0.023	0.028	0.018	0.023
University of North Texas	0.137	0.134	0.087	0.134
West Texas A&M University	0.111	0.113	0.121	0.111

Table 18
Nonresident Participation Ratios—Public Two-year Colleges

	Average	2003	2004 Certified Or Preliminary	Selected
Alamo CCD Northwest Vista College	0.029	0.029	0.032	0.032
Alamo CCD Palo Alto College	0.025	0.015	0.010	0.010
Alamo CCD San Antonio College	0.045	0.040	0.038	0.038
Alamo CCD St. Philip's College	0.055	0.058	0.054	0.054
Alvin Community College	0.014	0.011	0.014	0.014
Amarillo College	0.004	0.005	0.006	0.005
Angelina College	0.015	0.021	0.016	0.016
Austin Community College	0.049	0.057	0.062	0.057
Blinn College	0.025	0.025	0.023	0.023
Brazosport College	0.011	0.015	0.011	0.011
Central Texas College District	0.152	0.140	0.242	0.197
Cisco Junior College	0.011	0.010	0.045	0.017
Clarendon College	0.079	0.081	0.083	0.081
Coastal Bend College	0.009	0.011	0.012	0.011
College of the Mainland CCD	0.002	0.001	0.002	0.002
Collin County CCD	0.085	0.076	0.074	0.076
DCCD Richland College	0.093	0.078	0.074	0.068
DCCD Brookhaven College	0.091	0.084	0.094	0.096
DCCD Cedar Valley College	0.018	0.020	0.031	0.023
DCCD Eastfield College	0.029	0.020	0.016	0.020
DCCD El Centro College	0.069	0.055	0.060	0.055
DCCD Mountain View College	0.021	0.017	0.016	0.017
DCCD North Lake College	0.133	0.139	0.127	0.133
Del Mar College	0.038	0.023	0.032	0.027
El Paso Community College District	0.077	0.066	0.061	0.066
Frank Phillips College	0.067	0.082	0.061	0.061
Galveston College	0.039	0.035	0.038	0.038
Grayson County College	0.082	0.090	0.093	0.096
Hill College	0.048	0.047	0.047	0.047
Houston Community College System	0.310	0.090	0.089	0.089
Howard College	0.025	0.022	0.029	0.029
Kilgore College	0.039	0.043	0.036	0.036
Lamar Institute of Technology	0.018	0.014	0.015	0.014
Lamar State College-Orange	0.098	0.096	0.119	0.103
Lamar State College-Port Arthur	0.012	0.010	0.010	0.010
Laredo Community College	0.044	0.046	0.038	0.038
Lee College	0.011	0.006	0.011	0.011
McLennan Community College	0.021	0.017	0.017	0.017
Midland College	0.032	0.023	0.024	0.024

Navarro College	0.105	0.079	0.057	0.057
NHMCCCD Cy-Fair College	0.034	0.043	0.023	0.034
NHMCCCD Kingwood College	0.016	0.029	0.018	0.021
NHMCCCD Montgomery College	0.019	0.026	0.021	0.024
NHMCCCD North Harris College	0.047	0.067	0.030	0.028
NHMCCCD Tomball College	0.026	0.045	0.022	0.022
North Central Texas Community College District	0.043	0.032	0.029	0.029
Northeast Texas Community College	0.021	0.028	0.039	0.028
Odessa College	0.023	0.026	0.028	0.028
Panola College	0.066	0.083	0.104	0.104
Paris Junior College	0.034	0.032	0.036	0.036
Ranger College	0.057	0.075	0.054	0.040
San Jacinto College Central Campus	0.074	0.039	0.038	0.039
San Jacinto College North Campus	0.079	0.035	0.026	0.035
San Jacinto College South Campus	0.132	0.085	0.087	0.085
South Plains College	0.035	0.041	0.030	0.030
South Texas College	0.000	0.000	0.037	0.000
Southwest Collegiate Institute for the Deaf	0.320	0.359	0.374	0.359
Southwest Texas Junior College	0.009	0.016	0.304	0.016
Tarrant County Northeast Campus	0.001	0.002	0.010	0.001
Tarrant County Northwest Campus	0.000	0.000	0.010	0.001
Tarrant County South Campus	0.001	0.001	0.010	0.001
Tarrant County Southeast Campus	0.000	0.001	0.010	0.000
Temple College	0.015	0.014	0.009	0.009
Texarkana College	0.336	0.342	0.356	0.356
Texas Southmost College	0.073	0.058	0.035	0.057
Trinity Valley Community College	0.015	0.015	0.013	0.013
Tyler Junior College	0.017	0.018	0.016	0.016
Vernon College	0.027	0.039	0.040	0.040
Victoria College, The	0.021	0.026	0.024	0.024
Weatherford College	0.016	0.015	0.018	0.018
Western Texas College	0.030	0.029	0.030	0.030
Wharton County Junior College	0.015	0.003	0.002	0.002
Texas State Technical College-Harlingen	0.016	0.047	0.010	0.010
Texas State Technical College-Marshall	0.024	0.028	0.023	0.023
Texas State Technical College-Waco	0.023	0.026	0.033	0.033
Texas State Technical College-West Texas	0.004	0.009	0.005	0.005

Draft Total Participation Forecast and Adjustments

At this point in the forecast process, total in-state participation forecasts for 2005, 2006, 2010, and 2015, plus a nonresident factor, were available for each institution.

Multiplying the selected nonresident factor by the in-state participation produced nonresident participation by institution and year. Adding the nonresident and in-state

participation levels resulted in a base total participation forecast for each institution for 2005, 2006, 2010, and 2015. The selected alternative used to forecast in-state participation and the factor which produced nonresident participation were controlled by quantifiable historical participation patterns and expected demographic changes. Consequently, the participation forecasts which they produced did not take into account future changes in the status of institutions or internal, non-quantifiable conditions which could influence participation at a specific college or university. These were addressed, to some degree, by making adjustments to institutional draft forecasts as appropriate:

- Some public universities have, or intend to establish, policies that will cap enrollment at specific levels. For these institutions, the model might possibly forecast an excess number of students. In cases where this occurred, the excess was subtracted and redistributed to other institutions.
- Other institutions have responded with limitations on capacity, new programs, or other institution-specific items for adjustment. Table 19 itemizes the larger ones.

Table 19
Adjustments to Draft Participation Forecasts
Based on Local Conditions

	Institutional Adjustment			
	2005	2006	2010	2015
Collin County CCD			(1,000)	(2,000)
Del Mar College	100	100	500	800
Howard College			100	200
McLennan Community College	300	600	1,500	2,000
Midland College	100	200	500	900
Midwestern State University			100	200
NHMCCCD Cy-Fair College	300	450	700	1,200
NHMCCCD Kingwood College	100	150	200	300
Texas A&M University.	(1,000)	(1,700)	(2,600)	(2,000)
Texas A&M University-Corpus Christi		500	1,500	2,000
Texas A&M University-Texarkana	75	125	225	300
University of Texas At Austin	(1,000)	(2,100)	(4,400)	(6,300)
University of Texas At El Paso			1,000	3,000
University of Texas At San Antonio	500	1,000	2,000	3,000
University of Texas-Permian Basin	100	200	200	400
University of Texas-Pan American	300	600	1,000	3,000
University of North Texas	(703)			

Participation Forecast –
Texas Independent Colleges and Universities

Forecasts of total participation for the independent colleges and universities were obtained by first determining the historical correlation between independent and public university total participation levels for the period 1999 to 2003, as follows:

Table 20
Actual Participation

Year	Public Universities (X)	Independent Senior Institutions (Y)
1999	407,074	103,764
2000	414,626	106,742
2001	430,770	110,177
2002	455,719	112,217
2003	472,818	112,930

These observed data were used to develop the following regression equation:

$$Y_i = \bar{Y} + \frac{\sum xY}{\sum x^2} (X_i - \bar{X}) \qquad Y_i = 109,166 + .130998951 (X_i - 436,201)$$

or

Where:

Y_i is the predicted value of participation at independent colleges and universities

X_i is the predicted value of participation at public universities

\bar{Y} is the mean of the Y observations (independent senior institutions)

\bar{X} is the mean of the X observations (public universities)

x is the deviation of X observations from the mean

After forecasts for public universities were made, the values as shown below were substituted for X_i . The regression equation was used to predict the participation for independent colleges and universities. An additional multiplier was added to account for past error. The following forecast was predicted:

Table 21
Independent Colleges and Universities Forecast

Year	Public University Forecast	Independent Colleges and University Forecast
2005	491,387	114,067
2006	500,585	115,248
2010	527,076	118,649
2015	550,710	121,683

Updated February 25, 2005

Related reports available from the Texas Higher Education Coordinating Board,
Division of Planning and Information Resources:

- *Closing the Gaps by 2015*, adopted 2000
- *Closing the Gaps by 2015: 2004 Progress Report*, July 2004
- *Regional Plan for Texas Higher Education*, October 2004

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