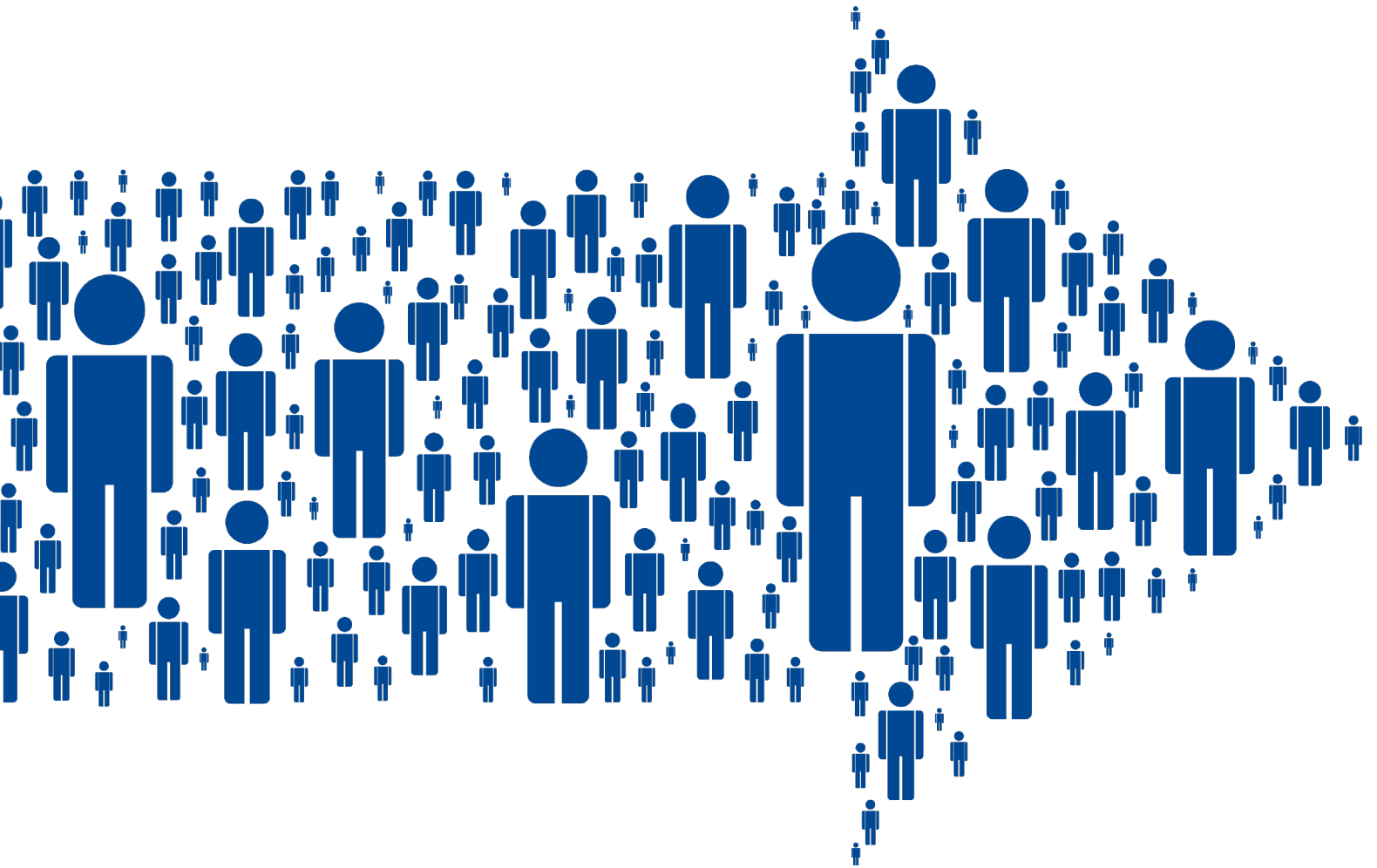


# Understanding the Need for Adult Education in Texas



## **The Mission of the Texas Workforce Investment Council**

*Assisting the Governor and the Legislature with strategic planning for and evaluation of the Texas workforce system to promote the development of a well-educated, highly skilled workforce for Texas.*

# **Understanding the Need for Adult Education in Texas**

**Texas Workforce Investment Council  
December 2018**

The Texas Workforce Investment Council would like to acknowledge and thank the Office of the State Demographer for their extensive collaboration on this project. Dr. Lloyd Potter and his staff provided the data, projections, and the technical discussion about the methodologies in Appendix B.

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## Introduction

The Texas Workforce Investment Council (Council) was created in 1993 by the 73<sup>rd</sup> Texas Legislature. As an advisory body to the Governor and the Legislature, the Council assists with strategic planning for and evaluation of Texas' workforce development system. The Council promotes the development of a well-educated, highly skilled workforce for Texas and advocates a workforce system that provides quality workforce education and training opportunities. The 19-member Council includes representatives from business, labor, education, community-based organizations, and the Council's five member state agencies.

## Statutory Directive

Under Title 10 Texas Government Code (TGC) Section 2308.1016, the Council is responsible for facilitating the efficient delivery of integrated adult education and literacy services in Texas. The Council is charged with evaluating the adult education programs administered by the Texas Workforce Commission (TWC) and identifying duplication of planning, lack of adequate client information sharing, and any other problems that adversely affect the delivery of adult education and literacy programs.

## Scope of Report

This report is an update to *Identifying the Current and Future Population in Need of Adult Education* published by the Council in March 2010. The data presented in this report supersedes the initial data reported in the previous report. Between April 2018 and September 2018, the Council worked with the Office of the State Demographer to conduct further analyses of the current population in need of adult education services, a more detailed estimate of the future need for services based on projections for the Texas population, and the geographic dispersion of need in Texas by local workforce development areas (LWDA). The Office of the State Demographer also provided detailed descriptions of the rationale and methodology used to produce the data and projections.

## Defining Adult Education

*Adult education* is often applied as a broad reference for numerous and distinct types of adult learning activities. Individuals most in need of services or hardest to serve, including those with multiple barriers to educational enhancement, are considered eligible. For the purpose of the Council's work, the definition of adult education is determined by Title II of the 2014 Workforce Innovation and Opportunity Act (WIOA), the Adult Education and Family Literacy Act. WIOA defines adult education as academic instruction and education services below the postsecondary level that increase an eligible individual's ability to:

- Read, write, and speak in English and perform mathematics or other activities that are necessary for the attainment of a secondary school diploma or its recognized equivalent,
- Transition to postsecondary education and training, and
- Obtain employment.

Under WIOA, an "eligible individual" is an individual:

- Who has attained 16 years of age,
- Who is not enrolled or required to be enrolled in secondary school under state law, and

- Who:
  - is basic skills deficient;
  - does not have a secondary school diploma or its recognized equivalent, and has not achieved an equivalent level of education; or
  - is an English language learner.

Adult education programs generally emphasize basic skills in reading, writing, math, and English language competency to prepare adults for jobs or further academic instruction. This definition, though somewhat narrowed by statutory parameters, provides a starting point for understanding the role of adult education in workforce development. A short discussion of the definition of adult education and its role within the workforce system is included in *The Texas Workforce System Strategic Plan FY 2016-FY 2023* (Texas Workforce Investment Council, 2015).

## **Current Population in Need of Adult Education**

Understanding the current need for adult education services is critical to policy makers and practitioners in order to evaluate program effectiveness, design services, develop strategies, and make policy recommendations. This section describes the current Texas population in need of adult education services according to the eligibility definition in Title II of WIOA using data from the 2012-2016 American Community Survey (ACS). Results indicate that 23.3 percent of the Texas population over the age of 16 (4,807,600) met the federal definition and qualify for adult education services. The need for adult education services varies between racial and ethnic groups with Hispanics accounting for the largest percentages of individuals qualifying for services in all but one of the educational attainment categories and whites accounting for the second largest percentage of English fluent individuals with less than a high school diploma, GED, or high school equivalency.

### **Defining Need**

As discussed in the introduction, the Council's definition of adult education is determined by Title II of WIOA. In this report, individuals who are not enrolled in secondary school, and who are at least 16 years old, are eligible for adult education services if they have not earned a high school diploma (GED or high school equivalency) or are unable to speak, read, or write English. Calculating the numbers of individuals in Texas that meet these eligibility requirements provides an idea of the current need for adult education services in the state.

### **Description of the Current Population**

To determine current need for adult education services in Texas, the Office of the State Demographer calculated the number of individuals who qualify for adult education by analyzing the 2012-2016 ACS. The ACS is a nationwide survey conducted by the Census Bureau since 2005. The ACS provides yearly demographic and socioeconomic data such as educational attainment, ability to speak English, and citizenship status. ACS replaced the decennial census long form in 2010 (U.S. Census Bureau, 2014). Survey results are statistically weighted to approximate the population of the state. The 2012-2016 multiyear estimates are based on data collected over five years and describe the average characteristics for that five-year period. For example, if the number of individuals who have not completed high school in an area was 2,000 from 2012 to 2015 and 5,000 in 2016, then the five-year (2012-2016) estimate would be 2,600. Compared to the one-year ACS estimates, the 2012-2016 ACS data is less current. However, the five-year estimates are more reliable since they are based on larger samples and include information from smaller geographic areas (U.S. Census Bureau, 2009).

The 2012-2016 ACS indicates that there were 16,837,377 individuals in Texas who were at least 16 years old. Of that number, 29 percent or 4,807,600 qualified for adult education services because they were not English fluent and/or did not have at least a high school diploma, GED, or high school equivalency. Looking specifically at the group of individuals traditionally thought of as prime working age, between the ages of 16 and 64, 24 percent, or 4,031,666 individuals, qualified for adult education services.

Table 1 presents the numbers of individuals eligible for adult education services in Texas by nativity, fluency, and educational attainment. Information is provided for everyone who is at least 16 years old and for individuals between 16 and 64 years old. Of the 4,807,600 individuals over the age of 16 who qualify for adult education services, 3,007,280, or 63 percent, are English fluent and have less than a high school level of education.

Table 1 indicates that approximately 37 percent of Texans eligible for adult education services are unable to speak English. In order to understand the percentage of adult English language learners, an individual's nativity status was considered. Almost 35 percent of non-English fluent individuals over the age of 16 who qualify for adult education services in Texas are foreign-born. These individuals in need of English literacy skills do not necessarily lack basic educational skills, though it is often the case. Of the individuals over the age of 16 who qualify for adult education services and are not English fluent, 36 percent have a high school diploma, GED or high school equivalency, or higher level of educational attainment. For example, an immigrant may have a college degree from his or her home country but not be able to speak English. This individual is therefore literate and educated in his or her native language. The adult education services required by this individual would be very different compared to the services required by a native or foreign-born individual who did not graduate high school and is unable to speak English. Providing English language skills to these individuals could give them the fluency necessary to find a job in which they can utilize their education.

Table 1 also indicates that the greatest number in need of adult education is not those who do not speak or read English well. Rather, the greatest need is in those individuals who are English fluent but only have a 5<sup>th</sup> to 8<sup>th</sup> or 9<sup>th</sup> to 12<sup>th</sup> grade education.

**Table 1: Individuals Eligible for Adult Education Services in Texas by Nativity, Fluency, and Educational Attainment (2012-2016)**

Educational Attainment	English Fluent		Not English Fluent, Native Born		Not English Fluent, Foreign Born		Total	
	Age 16+	16-64	Age 16+	16-64	Age 16+	16-64	Age 16+	16-64
<b>0 to 4th Grade</b>	266,197 (8.9%)	177,318 (7.6%)	34,582 (20.7%)	11,292 (9.5%)	309,175 (18.9%)	206,710 (14.9%)	609,954 (12.7%)	395,320 (9.8%)
<b>5th to 8th Grade</b>	497,444 (16.5%)	352,001 (15.0%)	31,853 (19.0%)	19,259 (16.2%)	478,904 (29.3%)	412,249 (29.7%)	1,008,201 (21.0%)	783,509 (19.4%)
<b>9th to 12th Grade (no diploma)</b>	2,243,639 (74.6%)	1,996,169 (85.0%)	33,272 (19.9%)	28,846 (24.3%)	323,520 (19.8%)	301,842 (21.8%)	2,600,431 (54.1%)	2,326,857 (57.7%)
<b>High School Graduate</b>	*	*	28,639 (17.1%)	25,417 (21.4%)	292,835 (17.9%)	268,254 (19.3%)	321,474 (6.7%)	293,671 (7.3%)
<b>GED or High School Equivalency</b>	*	*	5,554 (3.3%)	4,673 (3.9%)	32,773 (2.0%)	28,480 (2.1%)	38,327 (0.8%)	33,153 (0.8%)
<b>Some College to 2-yr Degree</b>	*	*	21,108 (12.6%)	18,881 (15.9%)	118,305 (7.2%)	105,733 (7.6%)	139,413 (2.9%)	124,614 (3.1%)
<b>Bachelor's Degree and Higher</b>	*	*	12,439 (7.4%)	10,500 (8.8%)	77,361 (4.7%)	64,042 (4.6%)	89,800 (1.9%)	74,542 (1.8%)
<b>Total</b>	3,007,280 (100%)	2,525,488 (100%)	167,447 (100%)	118,868 (100%)	1,632,873 (100%)	1,387,310 (100%)	4,807,600 (100%)	4,031,666 (100%)

Table Notes: This table presents information for everyone over the age of 16 who qualifies for adult education and the subset of individuals who are between 16 and 64. Percentages represent individuals in each column. Asterisks indicate placeholders since English fluent individuals who have at least graduated high school do not qualify for adult education. Individuals are not English fluent if they report speaking English “not well” or “not at all.”

Source: Office of the State Demographer’s analysis of American Community Survey 2012-2016, five-year estimate.

\*For comparison of current and previous report data, please see Appendix D.

Texas' population in need of adult education has increased since the previous report. As a whole, this population grew by close to one million people—from 3,871,173 in 2010 to 4,807,600 in 2018. The greatest increase comes from individuals who are English fluent. Those individuals who are not English fluent, and are foreign born, make up the second largest increase. Analysis performed by educational attainment, fluency, and nativity for individuals eligible for adult education was compiled using data from the 2010 report and Table 1. Comparison of data from the previous and new report is included in Appendix D.

To obtain more detail of the population in need of adult education services, race and ethnicity were analyzed. Table 2 illustrates the numbers and percentages of individuals in each educational attainment category by race, nativity, and English fluency. Hispanics account for the largest percentages of individuals who qualify for services in all of the educational attainment categories except for bachelor's degree and higher for non-English fluent native born. Whites account for the second largest percentage of English fluent individuals with less than a high school diploma, GED, or high school equivalency.



**Table 2: Individuals Eligible for Adult Education Services in Texas by Nativity, Fluency, Race, and Educational Attainment (2012-2016)**

Educational Attainment	Race/Ethnicity	English Fluent		Not English Fluent, Native Born		Not English Fluent, Foreign Born		Total	
		Num	%	Num	%	Num	%	Num	%
0 to 4th Grade	White	55,593	21%	617	2%	3,889	1%	60,099	10%
	Black	25,549	10%	52	0%	2,245	1%	27,846	5%
	Hispanic	169,721	64%	33,453	97%	278,113	90%	481,287	79%
	Other	15,323	6%	462	1%	24,911	8%	40,696	7%
	Total	266,186	100%	34,584	100%	309,158	100%	609,928	100%
5th to 8th Grade	White	111,499	22%	601	2%	4,287	1%	116,387	12%
	Black	36,305	7%	34	0%	1,135	0%	37,474	4%
	Hispanic	338,253	68%	31,145	98%	459,722	96%	829,120	82%
	Other	11,379	2%	69	0%	13,751	3%	25,199	2%
	Total	497,436	100%	31,849	100%	478,895	100%	1,008,180	100%
9th to 12th Grade (no diploma)	White	760,956	34%	1,480	4%	3,509	1%	765,945	29%
	Black	306,214	14%	77	0%	1,414	0%	307,705	12%
	Hispanic	1,079,706	48%	30,902	93%	295,644	91%	1,406,252	54%
	Other	96,743	4%	806	2%	22,946	7%	120,495	5%
	Total	2,243,619	100%	33,265	100%	323,513	100%	2,600,397	100%
High School Graduate	White	*	*	1,612	6%	6,659	2%	8,271	3%
	Black	*	*	89	0%	2,772	1%	2,861	1%
	Hispanic	*	*	26,060	91%	247,080	84%	273,140	85%
	Other	*	*	880	3%	36,315	12%	37,195	12%
	Total	*	*	28,641	100%	292,826	100%	321,467	100%
GED or High School Equivalency	White	*	*	356	6%	410	1%	766	2%
	Black	*	*	33	1%	290	1%	323	1%
	Hispanic	*	*	5,093	92%	28,674	88%	33,767	88%
	Other	*	*	84	2%	3,394	10%	3,478	9%
	Total	*	*	5,566	100%	32,768	100%	38,334	100%
Some College to 2-yr Degree	White	*	*	2,742	13%	3,286	3%	6,028	4%
	Black	*	*	487	2%	1,608	1%	2,095	2%
	Hispanic	*	*	17,159	81%	94,543	80%	111,702	80%
	Other	*	*	719	3%	18,868	16%	19,587	14%
	Total	*	*	21,107	100%	118,305	100%	139,412	100%
Bachelor's Degree and Higher	White	*	*	1,368	40%	1,456	9%	2,824	14%
	Black	*	*	228	7%	339	2%	567	3%
	Hispanic	*	*	1,491	43%	9,052	55%	10,543	53%
	Other	*	*	347	10%	5,735	35%	6,082	30%
	Total	*	*	3,434	100%	16,582	100%	20,016	100%

Source: Office of the State Demographer's analysis of American Community Survey 2012-2016, five-year estimate.

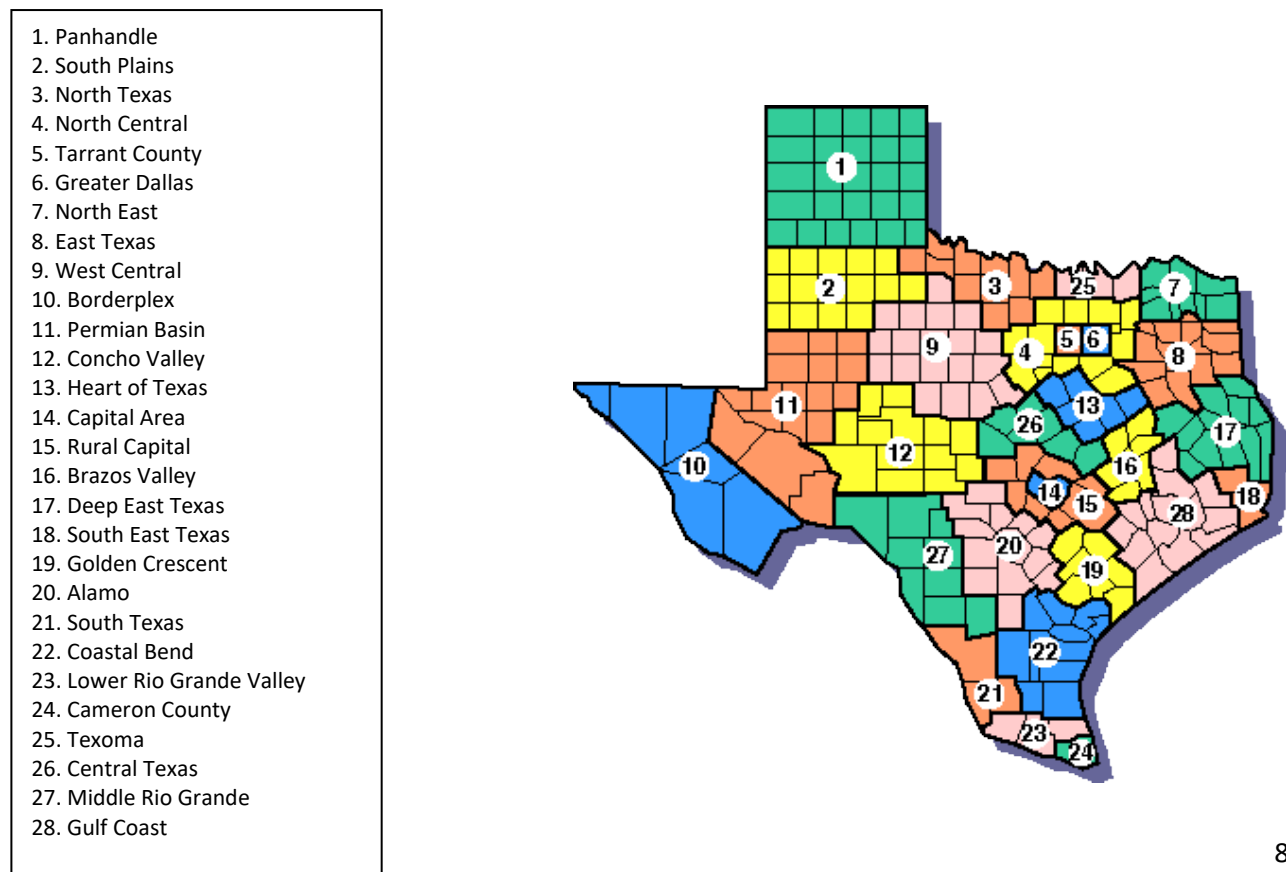
## Geographic Distribution of Current Need for Adult Education in Texas

As part of the demographic research conducted by the Office of the State Demographer, the Council asked that the geographic distribution of the need for adult education in Texas be determined. The Office of the State Demographer calculated the numbers of individuals over the age of 16 who qualify for adult education in each of the 28 local workforce development areas (LWDA) using the 2012-2016 American Community Survey. Gulf Coast, Dallas, North Central, and Alamo have the highest total percentages of individuals eligible for adult education services in Texas.

### The 28 Local Workforce Development Areas

Under Title 10 TGC Sections 2308.1015 and 2308.1016, the Council is responsible for facilitating the delivery of integrated workforce services and the efficient delivery of integrated adult education and literacy services in Texas. To assist workforce system stakeholders in coordinating program planning and delivery and in designing integrated services, the Council selected the 28 local workforce development areas as the sub-state regions that the Office of the State Demographer would use to analyze the geographic distribution of the current and projected populations in need of adult education services. These geographic regions are widely recognized among system stakeholders and are the boundaries within which funding flows for a number of workforce programs and initiatives. Figure 1 illustrates the 28 local workforce development areas throughout the state.

**Figure 1: Texas Local Workforce Development Areas**



## Summary Table of the Geographic Distribution of Current Need

The tables in this report include detail by nativity, fluency, and educational attainment. Table 3 summarizes the total numbers of individuals eligible for adult education services in each LWDA. Gulf Coast has the highest percentages of individuals in all three categories (English fluent; not English fluent-native born; and not English fluent-foreign born) followed by Greater Dallas, North Central, and Alamo. Appendix A presents the numbers of individuals over the age of 16 eligible for adult education services broken down into each LWDA.

**Table 3: Individuals Eligible for Adult Education Services in Texas by Local Workforce Development Area (2012-2016)**

LWDA	English Fluent		Not English Fluent, Native Born		Not English Fluent, Foreign Born		Total	
	Count	Percentage	Count	Percentage	Count	Percentage	Count	Percentage
1. Panhandle	55,169	1.8%	1,597	1.0%	21,532	1.3%	78,298	1.6%
2. South Plains	55,718	1.9%	2,767	1.7%	10,914	0.7%	69,399	1.4%
3. North Texas	27,536	0.9%	598	0.4%	3,734	0.2%	31,868	0.7%
4. North Central	298,150	9.9%	20,326	12.1%	164,492	10.1%	482,968	10.0%
5. Tarrant County	193,836	6.4%	7,069	4.2%	99,496	6.1%	300,401	6.2%
6. Greater Dallas	288,154	9.6%	11,354	6.8%	238,069	14.6%	537,577	11.2%
7. North East	32,452	1.1%	392	0.2%	5,376	0.3%	38,220	0.8%
8. East Texas	112,602	3.7%	2,484	1.5%	21,616	1.3%	136,702	2.8%
9. West Central	44,276	1.5%	1,631	1.0%	5,219	0.3%	51,126	1.1%
10. Borderplex	22,589	0.8%	540	0.3%	8,107	0.5%	31,236	0.6%
11. Permian Basin	64,893	2.2%	4,041	2.4%	25,803	1.6%	94,737	2.0%
12. Concho Valley	21,436	0.7%	1,015	0.6%	4,408	0.3%	26,859	0.6%
13. Heart of Texas	44,871	1.5%	700	0.4%	13,657	0.8%	59,228	1.2%
14. Capital Area	87,360	2.9%	4,387	2.6%	65,703	4.0%	157,450	3.3%
15. Rural Capital	82,658	2.7%	3,473	2.1%	24,142	1.5%	110,273	2.3%
16. Brazos Valley	37,452	1.2%	930	0.6%	11,242	0.7%	49,624	1.0%
17. Deep East Texas	53,413	1.8%	544	0.3%	10,299	0.6%	64,256	1.3%
18. South East	47,915	1.6%	1,102	0.7%	9,665	0.6%	58,682	1.2%
19. Golden Crescent	28,448	0.9%	1,143	0.7%	4,656	0.3%	34,247	0.7%
20. Alamo	285,894	9.5%	18,762	11.2%	94,017	5.8%	398,673	8.3%
21. South Texas	35,195	1.2%	10,055	6.0%	43,691	2.7%	88,941	1.9%
22. Coastal Bend	92,479	3.1%	7,582	4.5%	16,960	1.0%	117,021	2.4%
23. Lower Rio	122,649	4.1%	20,570	12.3%	138,551	8.5%	281,770	5.9%
24. Cameron County	61,090	2.0%	10,725	6.4%	53,558	3.3%	125,373	2.6%
25. Texoma	23,689	0.8%	338	0.2%	4,327	0.3%	28,354	0.6%
26. Central Texas	44,281	1.5%	2,139	1.3%	7,766	0.5%	54,186	1.1%
27. Middle Rio	33,586	1.1%	4,092	2.4%	20,581	1.3%	58,259	1.2%
28. Gulf Coast	709,489	23.6%	27,091	16.2%	505,292	30.9%	1,241,872	25.8%
<b>Total</b>	<b>3,007,280</b>	<b>100.0%</b>	<b>167,447</b>	<b>100.0%</b>	<b>1,632,873</b>	<b>100.0%</b>	<b>4,807,600</b>	<b>100.0%</b>

Source: Office of the State Demographer's analysis of American Community Survey 2012-2016, five-year estimate.

## Projected Population in Need of Adult Education

Between 2020 and 2050, the population of Texas is projected to grow by 41 percent. Changes in the racial/ethnic composition of the state will also occur between 2020 and 2050 with the Hispanic population growing rapidly. As the state's population changes, the number of individuals who qualify for adult education services will also change. By 2050, current and projected population trends indicate that 10,017,935 Texans will be eligible for adult education services. This is an 80 percent increase from 2020. Additionally, Hispanics will represent an increasingly larger percentage of the total individuals who qualify for adult education in the future, increasing from 2,215,375 (72 percent of the total) in 2020 to 7,763,968 (78 percent of the total) in 2050.

### Texas Population Trends

Texas is the second largest state in terms of population (second to California) and area (second to Alaska). In terms of number of people, Texas' growth exceeds that of all other states between 2010 and 2017. From 2010 to 2020, the population of Texas is expected to have grown by 15 percent whereas the population of the U.S. is expected to increase by eight percent. By 2010, Texas' population was 25,145,561, and projections indicate that the population will be 40,502,749 in 2050. Texas also has the fourth highest total fertility rate in the U.S. and a younger population than the national average. The median age in Texas was 34.7 in 2017 whereas the national median age was 38.

The racial and ethnic composition of the Texas population is also changing rapidly. The number of whites is growing at a slower rate and each year accounts for a smaller percentage of the Texas population. However, the Hispanic population is growing rapidly. Projections from the Texas Demographic Center indicate that from 2020 to 2050, the Hispanic population in Texas will increase by approximately 80 percent. Figure 2 illustrates the projected growth in the Texas population by ethnicity.

**Figure 2: Projected Population Growth in Texas by Race/Ethnicity, 2020-2050**

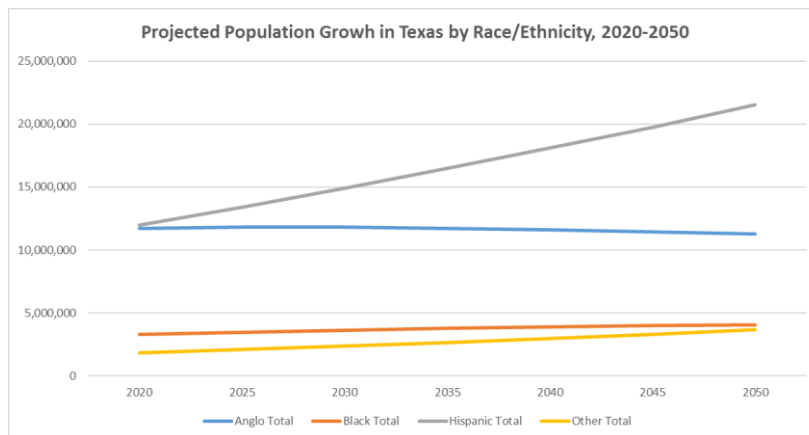


Figure Notes: Projections assume net migration rates equal to one-half of those of 2010s (0.5 scenario).

Figure Source: Texas Demographic Center projections.

Three population trends—high school graduation, English fluency, and nativity—will be important indicators of the future numbers of individuals who will qualify for adult education services. Even though the percentages of Texans graduating high school, and earning a GED or high school equivalency, have increased between 2010 and 2017, Texas has a smaller percentage of high school graduates when compared to the U.S. In 2000, 80 percent of Texans over the age of 25 had graduated high school whereas the percentage for the U.S. was 85 percent. By 2016, 82 percent of Texans over the age of 25 had graduated high school whereas the national average was 87 percent.

Texas also has higher percentages of people speaking a language other than English at home. In 2000, 35 percent of the Texas population reported speaking a language other than English at home whereas the U.S. percentage was 21 percent. By 2017, the percentage of Texans speaking a language other than English at home increased to 36 percent.

Lastly, Texas' population also has a greater percentage of foreign-born individuals than the U.S. population. In 2010, foreign-born individuals accounted for 16 percent of Texas' population and 13 percent of the U.S. population. The percentage of foreign-born individuals in Texas rose to 17 percent in 2017.

## Description of the Future Population

Texas' population trends suggest that the need for adult education services will increase in the future. To determine the future need for adult education services in Texas, the Office of the State Demographer used ACS data in conjunction with projections from the Texas Demographic Center to calculate the number of individuals who will qualify for adult education in 2020, 2030, 2040, and 2050. A detailed explanation of the projection methodology is included in Appendix B.

Table 4 illustrates the projected numbers of individuals eligible for adult education services in Texas by nativity, fluency, and education level for 2020 through 2050. Projections indicate that 10,017,935 Texans will be eligible for adult education services by 2050. This is an 80 percent increase from 2020. Looking at each of the educational attainment levels separately, Texas will see the largest increase (114 percent) in non-English fluent individuals with less than a high school education between 2020 and 2050. Generally, projections indicate greater increases in the need for adult education for the native born than for the foreign-born at all three education levels.

**Table 4: Projected Numbers of Individuals Eligible for Adult Education Services in Texas by Nativity, Fluency, and Education Level (2020-2050)**

Year	Native Born			Foreign Born			Total
	Less than HS, English Fluent	Less than HS, Not English Fluent	HS and Above, Not English Fluent	Less than HS, English Fluent	Less than HS, Not English Fluent	HS and Above, Not English Fluent	
2020	1,449,488	35,044	39,363	470,816	696,079	382,784	3,073,574
2030	3,041,635	185,399	98,909	996,566	1,808,327	824,309	6,955,146
2040	3,490,977	247,166	120,146	1,231,422	2,310,485	1,021,745	8,421,942
2050	3,946,356	313,525	143,922	1,494,905	2,874,345	1,244,883	10,017,935

Source: Texas Demographic Center projections.

The projected population in need of adult education services can be described in more detail by analyzing data on race and ethnicity. Table 5 illustrates the projected numbers of individuals in each educational attainment category by race, nativity, and English fluency for 2020 through 2050. Hispanics account for the largest projected percentages of individuals who will qualify for services for each year. Additionally, Hispanics will represent an increasingly larger percentage of the total individuals who qualify for adult education in the future. The percentage of Hispanics qualifying for adult education is projected to increase from 2,215,375 (72 percent of the total in 2020) to 7,763,968 (78 percent of the total) in 2050.

**Table 5: Projected Numbers of Individuals Eligible for Adult Education Services in Texas by Nativity, Fluency, Race, and Education Level (2020-2050)**

Year	Race/ Ethnicity	Native Born			Foreign Born			Total	Percent Total for Each Year
		Less than HS, English Fluent	Less than HS, Not English Fluent	HS and Above, Not English Fluent	Less than HS, English Fluent	Less than HS, Not English Fluent	HS and Above, Not English Fluent		
2020	White	476,928	1,302	3,490	11,529	4,613	6,172	504,033	16%
	Black	204,508	89	461	8,576	2,484	4,206	220,324	7%
	Hispanic	719,936	32,949	34,343	421,426	668,328	338,393	2,215,375	72%
	Other	48,116	705	1,069	29,285	20,654	34,013	133,842	4%
	<b>Total</b>	<b>1,449,488</b>	<b>35,044</b>	<b>39,363</b>	<b>470,816</b>	<b>696,079</b>	<b>382,784</b>	<b>3,073,574</b>	<b>100%</b>
2030	White	934,510	2,900	8,796	26,282	12,410	17,039	1,001,937	14%
	Black	443,476	225	1,332	20,898	9,020	7,980	482,931	7%
	Hispanic	1,566,516	179,990	84,342	864,611	1,682,437	664,440	5,042,337	72%
	Other	97,132	2,284	4,439	84,775	104,460	134,849	427,941	6%
	<b>Total</b>	<b>3,041,635</b>	<b>185,399</b>	<b>98,909</b>	<b>996,566</b>	<b>1,808,327</b>	<b>824,309</b>	<b>6,955,146</b>	<b>100%</b>
2040	White	927,099	2,890	8,743	26,076	12,310	16,941	994,059	12%
	Black	489,556	255	1,480	24,097	10,842	8,987	535,217	6%
	Hispanic	1,951,634	241,017	104,344	1,071,427	2,145,716	817,931	6,332,069	75%
	Other	122,689	3,005	5,579	109,822	141,617	177,885	560,597	7%
	<b>Total</b>	<b>3,490,977</b>	<b>247,166</b>	<b>120,146</b>	<b>1,231,422</b>	<b>2,310,485</b>	<b>1,021,745</b>	<b>8,421,942</b>	<b>100%</b>
2050	White	902,131	2,816	8,507	25,335	11,931	16,466	967,186	10%
	Black	523,023	277	1,596	26,649	12,283	9,760	573,588	6%
	Hispanic	2,370,238	306,589	126,841	1,304,458	2,665,098	990,744	7,763,968	78%
	Other	150,964	3,843	6,978	138,462	185,033	227,914	713,193	7%
	<b>Total</b>	<b>3,946,356</b>	<b>313,525</b>	<b>143,922</b>	<b>1,494,905</b>	<b>2,874,345</b>	<b>1,244,883</b>	<b>10,017,935</b>	<b>100%</b>

Source: Texas Demographic Center projections.

## **Geographic Distribution of Projected Need for Adult Education in Texas**

The Office of the State Demographer determined the geographic distribution of the projected need for adult education throughout Texas by calculating the projected numbers of individuals over the age of 16 who qualify for adult education in each of the 28 LWDA's using projections developed by the Texas Demographic Center.

### **Projection Methodology by LWDA Summary**

The Office of the State Demographer, using the projection methodology detailed in Appendix B, calculated the numbers for each LWDA. In short, the projections assumed rates of net migration that are half of those observed in the 2000s (the 0.5 migration scenario). Then, a portion of the total foreign-born population was allocated to each workforce region based on the region's projected growth. Finally, the percentages of the population needing adult education were calculated for each LWDA by applying statewide rates from the 2012-2016 ACS.

### **Summary of the Geographic Distribution of Projected Need for Adult Education in Texas**

Appendix C presents the projected numbers of individuals over the age of 16, eligible for adult education services, in each LWDA by level of educational attainment. Table 6 summarizes the total projected numbers of individuals eligible for adult education services in each LWDA. Projections indicate that Texas will experience an 80 percent increase in the numbers of individuals qualifying for adult education between 2020 and 2050. The largest projected increase in any category, between 2020 and 2050, is the 362.55 percent growth rate for non-English fluent individuals with less than a high school education in North Central.



**Table 6: Projected Growth of Individuals Needing Adult Education by LWDA (2050)**

LWDA	Less than HS, English Fluent	Growth Rate from 2020	Less than High School, Not English Fluent	Growth Rate from 2020	HS and above, Not English Fluent	Growth Rate from 2020	Total	Growth Rate from 2020
1	78,698	54.41%	38,037	110.56%	16,340	90.78%	133,075	71.49%
2	78,954	44.98%	21,848	83.37%	9,691	67.93%	110,493	53.15%
3	28,794	25.74%	8,204	101.87%	3,671	72.43%	40,669	39.79%
4	609,089	98.98%	254,183	362.55%	151,375	190.97%	1,014,646	145.63%
5	351,268	62.55%	206,345	133.00%	94,362	103.35%	651,975	85.71%
6	452,462	48.91%	372,508	101.27%	156,785	75.63%	981,755	69.79%
7	32,708	25.90%	14,135	118.47%	5,961	92.17%	52,804	48.53%
8	126,013	40.72%	61,213	169.12%	26,142	133.95%	213,368	72.81%
9	46,173	25.35%	11,305	77.64%	4,997	59.39%	62,475	34.83%
10	176,297	56.95%	195,456	50.56%	58,609	48.12%	430,363	52.76%
11	90,133	55.08%	42,505	92.44%	16,988	73.61%	149,626	66.27%
12	24,641	26.35%	8,075	55.23%	3,226	41.62%	35,942	33.21%
13	54,892	37.47%	22,763	111.24%	9,594	87.16%	87,249	56.27%
14	206,148	55.78%	111,142	111.10%	52,224	88.36%	369,514	73.72%
15	231,791	114.68%	90,551	212.08%	41,262	169.07%	363,604	138.71%
16	60,566	57.82%	25,116	142.04%	11,811	116.04%	97,493	79.81%
17	51,717	29.15%	20,256	125.12%	8,418	93.87%	80,391	50.59%
18	56,735	33.35%	21,732	133.43%	10,245	104.33%	88,712	55.99%
19	33,255	33.91%	10,456	70.27%	4,262	56.46%	47,973	42.36%
20	540,933	54.40%	203,784	81.30%	83,734	64.50%	828,451	61.29%
21	87,358	72.93%	63,546	80.89%	24,122	67.15%	175,026	74.89%
22	120,004	31.40%	32,162	50.86%	13,133	39.94%	165,299	35.46%
23	277,314	76.25%	215,048	87.91%	81,707	71.94%	574,069	79.79%
24	118,291	63.60%	80,945	72.35%	30,532	60.57%	229,768	66.16%
25	25,619	33.31%	11,351	153.77%	4,947	115.56%	41,917	61.31%
26	88,381	66.29%	23,001	133.70%	11,629	109.08%	123,011	79.44%
27	43,645	36.46%	26,263	49.27%	10,011	44.48%	79,919	41.43%
28	1,349,389	68.56%	995,938	125.52%	443,024	98.62%	2,788,351	90.30%

Source: Texas Demographic Center projections.

## **Next Steps**

The Council worked with the Office of the State Demographer to conduct further analyses of the current population in need of adult education services, a more detailed estimate of the future need for services based on projections for the Texas population, and the geographic dispersion of need in Texas by LWDA. This report offers a more comprehensive and authoritative determination of the current and future populations in need of adult education services. Additionally, this research can assist policy makers and program administrators to develop or modify policy and service delivery strategies.

## References

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## Appendix A: Current Need for Adult Education by LWDA

This appendix presents the numbers of individuals over the age of 16 who qualify for adult education by each LWDA. The numbers were calculated by the Office of the State Demographer using the American Community Survey 2012-2016 five-year estimates. The five-year estimates describe the average social, economic, and demographic characteristics for the five-year period between 2012 and 2016. Individuals are not English fluent if they report speaking English “not well” or “not at all.” Percentages represent individuals in each column. The asterisks in each table are placeholders since English fluent individuals who have at least graduated high school do not qualify for adult education.

### LWDA 1: Panhandle

Counties Served: Armstrong, Briscoe, Carson, Castro, Childress, Collingsworth, Dallam, Deaf Smith, Donley, Gray, Hall, Hansford, Hartley, Hemphill, Hutchinson, Lipscomb, Moore, Ochilltree, Oldham, Parmer, Potter, Randall, Roberts, Sherman, Swisher, Wheeler.

**Table 7: LWDA 1 Panhandle - Individuals Eligible for Adult Education Services (2012-2016)**

Educational Attainment	English Fluent		Not English Fluent, Native Born		Not English Fluent, Foreign Born		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
0 to 4th Grade	4,498	8.2%	272	17.0%	4,619	21.5%	9,389	12.0%
5th to 8th Grade	9,729	17.6%	314	19.7%	7,274	33.8%	17,317	22.1%
9th to 12th Grade (no diploma)	40,942	74.2%	472	29.6%	4,955	23.0%	46,369	59.2%
High School Graduate	*	*	305	19.1%	3,100	14.4%	3,405	4.3%
GED or High School Equivalency	*	*	52	3.3%	195	0.9%	247	0.3%
Some College to 2-yr Degree	*	*	154	9.6%	949	4.4%	1,103	1.4%
Bachelor’s Degree and Higher	*	*	28	1.8%	440	2.0%	468	0.6%
Total	55,169	100.0%	1,597	100.0%	21,532	100.0%	78,298	100.0%

## LWDA 2: South Plains

Counties Served: Bailey, Cochran, Crosby, Dickens, Floyd, Hale, Hockley, King, Lamb, Lynn, Motley, Terry, Yoakum, Garza, Lubbock.

**Table 8: LWDA 2 South Plains - Individuals Eligible for Adult Education Services (2012-2016)**

Educational Attainment	English Fluent		Not English Fluent, Native Born		Not English Fluent, Foreign Born		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
0 to 4th Grade	5,787	10.4%	1,042	37.7%	2,620	24.0%	9,449	13.6%
5th to 8th Grade	10,303	18.5%	606	21.9%	2,967	27.2%	13,876	20.0%
9th to 12th Grade (no diploma)	39,628	71.1%	447	16.2%	2,420	22.2%	42,495	61.2%
High School Graduate	*	*	268	9.7%	1,420	13.0%	1,688	2.4%
GED or High School Equivalency	*	*	71	2.6%	149	1.4%	220	0.3%
Some College to 2-yr Degree	*	*	256	9.3%	825	7.6%	1,081	1.6%
Bachelor's Degree and Higher	*	*	77	2.8%	513	4.7%	590	0.9%
<b>Total</b>	<b>55,718</b>	<b>100.0%</b>	<b>2,767</b>	<b>100.0%</b>	<b>10,914</b>	<b>100.0%</b>	<b>69,399</b>	<b>100.0%</b>

## LWDA 3: North Texas

Counties Served: Archer, Baylor, Clay, Cottle, Foard, Hardeman, Jack, Montague, Wichita, Wilbarger, Young.

**Table 9: LWDA 3 North Texas - Individuals Eligible for Adult Education Services (2012-2016)**

Educational Attainment	English Fluent		Not English Fluent, Native Born		Not English Fluent, Foreign Born		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
0 to 4th Grade	2,005	7.3%	87	14.5%	562	15.1%	2,654	8.3%
5th to 8th Grade	4,767	17.3%	54	9.0%	1,295	34.7%	6,116	19.2%
9th to 12th Grade (no diploma)	20,764	75.4%	140	23.4%	662	17.7%	21,566	67.7%
High School Graduate	*	*	186	31.1%	726	19.4%	912	2.9%
GED or High School Equivalency	*	*	51	8.5%	156	4.2%	207	0.6%
Some College to 2-yr Degree	*	*	30	5.0%	204	5.5%	234	0.7%
Bachelor's Degree and Higher	*	*	50	8.4%	129	3.5%	179	0.6%
Total	27,536	100.0%	598	100.0%	3,734	100.0%	31,868	100.0%

## LWDA 4: North Central

Counties Served: Collin, Denton, Ellis, Erath, Hood, Hunt, Johnson, Kaufman, Navarro, Palo Pinto, Parker, Rockwall, Somervell, Wise.

**Table 10: LWDA 4 North Central - Individuals Eligible for Adult Education Services (2012-2016)**

Educational Attainment	English Fluent		Not English Fluent, Native Born		Not English Fluent, Foreign Born		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
0 to 4th Grade	16,868	7.3%	625	11.1%	11,062	14.8%	28,555	9.2%
5th to 8th Grade	30,697	13.3%	615	10.9%	20,799	27.8%	52,111	16.8%
9th to 12th Grade (no diploma)	182,417	79.3%	983	17.5%	13,245	17.7%	196,645	63.3%
High School Graduate	*	*	1,443	25.7%	15,095	20.2%	16,538	5.3%
GED or High School Equivalency	*	*	117	2.1%	1,007	1.3%	1,124	0.4%
Some College to 2-yr Degree	*	*	728	12.9%	6,505	8.7%	7,233	2.3%
Bachelor's Degree and Higher	*	*	1,114	19.8%	7,146	9.5%	8,260	2.7%
Total	229,982	100.0%	5,625	100.0%	74,859	100.0%	310,466	100.0%

## LWDA 5: Tarrant County

Counties Served: Tarrant.

**Table 11: LWDA 5 Tarrant County - Individuals Eligible for Adult Education Services (2012-2016)**

Educational Attainment	English Fluent		Not English Fluent, Native Born		Not English Fluent, Foreign Born		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
0 to 4th Grade	14,927	7.7%	1,149	16.3%	17,714	17.8%	33,790	11.2%
5th to 8th Grade	26,607	13.7%	827	11.7%	28,451	28.6%	55,885	18.6%
9th to 12th Grade (no diploma)	152,302	78.6%	1,445	20.4%	21,758	21.9%	175,505	58.4%
High School Graduate	*	*	1,397	19.8%	19,993	20.1%	21,390	7.1%
GED or High School Equivalency	*	*	163	2.3%	1,827	1.8%	1,990	0.7%
Some College to 2-yr Degree	*	*	1,214	17.2%	5,779	5.8%	6,993	2.3%
Bachelor's Degree and Higher	*	*	874	12.4%	3,974	4.0%	4,848	1.6%
Total	193,836	100.0%	7,069	100.0%	99,496	100.0%	300,401	100.0%



## LWDA 6: Greater Dallas

Counties Served: Dallas.

**Table 12: LWDA 6 Greater Dallas - Individuals Eligible for Adult Education Services (2012-2016)**

Educational Attainment	English Fluent		Not English Fluent, Native Born		Not English Fluent, Foreign Born		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
0 to 4th Grade	26,594	9.2%	1,685	14.8%	40,670	17.1%	68,949	12.8%
5th to 8th Grade	51,454	17.9%	1,953	17.2%	73,537	30.9%	126,944	23.6%
9th to 12th Grade (no diploma)	210,106	72.9%	2,819	24.8%	55,455	23.3%	268,380	49.9%
High School Graduate	*	*	2,144	18.9%	42,531	17.9%	44,675	8.3%
GED or High School Equivalency	*	*	276	2.4%	3,338	1.4%	3,614	0.7%
Some College to 2-yr Degree	*	*	1,592	14.0%	14,938	6.3%	16,530	3.1%
Bachelor's Degree and Higher	*	*	885	7.8%	7,600	3.2%	8,485	1.6%
<b>Total</b>	<b>288,154</b>	<b>100.0%</b>	<b>11,354</b>	<b>100.0%</b>	<b>238,069</b>	<b>100.0%</b>	<b>537,577</b>	<b>100.0%</b>

## LWDA 7: North East

Counties Served: Bowie, Cass, Delta, Franklin, Hopkins, Lamar, Morris, Red River, Titus.

**Table 13: LWDA 7 North East - Individuals Eligible for Adult Education Services (2012-2016)**

Educational Attainment	English Fluent		Not English Fluent, Native Born		Not English Fluent, Foreign Born		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
0 to 4th Grade	2,223	6.9%	100	25.5%	1,248	23.2%	3,571	9.3%
5th to 8th Grade	5,483	16.9%	75	19.1%	1,756	32.7%	7,314	19.1%
9th to 12th Grade (no diploma)	24,746	76.3%	36	9.2%	899	16.7%	25,681	67.2%
High School Graduate	*	*	77	19.6%	1,129	21.0%	1,206	3.2%
GED or High School Equivalency	*	*	8	2.0%	39	0.7%	47	0.1%
Some College to 2-yr Degree	*	*	76	19.4%	226	4.2%	302	0.8%
Bachelor's Degree and Higher	*	*	20	5.1%	79	1.5%	99	0.3%
Total	32,452	100.0%	392	100.0%	5,376	100.0%	38,220	100.0%

## LWDA 8: East Texas

Counties Served: Anderson, Camp, Cherokee, Gregg, Harrison, Henderson, Marion, Panola, Rains, Rusk, Smith, Upshur, Van Zandt, Wood.

**Table 14: LWDA 8 East Texas - Individuals Eligible for Adult Education Services (2012-2016)**

Educational Attainment	English Fluent		Not English Fluent, Native Born		Not English Fluent, Foreign Born		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
0 to 4th Grade	8,630	7.7%	452	18.2%	5,321	24.6%	14,403	10.5%
5th to 8th Grade	17,463	15.5%	597	24.0%	7,140	33.0%	25,200	18.4%
9th to 12th Grade (no diploma)	86,509	76.8%	533	21.5%	4,669	21.6%	91,711	67.1%
High School Graduate	*	*	306	12.3%	2,918	13.5%	3,224	2.4%
GED or High School Equivalency	*	*	24	1.0%	213	1.0%	237	0.2%
Some College to 2-yr Degree	*	*	477	19.2%	915	4.2%	1,392	1.0%
Bachelor's Degree and Higher	*	*	95	3.8%	440	2.0%	535	0.4%
<b>Total</b>	<b>112,602</b>	<b>100.0%</b>	<b>2,484</b>	<b>100.0%</b>	<b>21,616</b>	<b>100.0%</b>	<b>136,702</b>	<b>100.0%</b>

## LWDA 9: West Central

Counties Served: Brown, Callahan, Coleman, Comanche, Eastland, Fisher, Haskell, Jones, Kent, Knox, Mitchell, Nolan, Runnels, Scurry, Shackelford, Stephens, Stonewall, Taylor, Throckmorton.

**Table 15: LWDA 9 West Central - Individuals Eligible for Adult Education Services (2012-2016)**

Educational Attainment	English Fluent		Not English Fluent, Native Born		Not English Fluent, Foreign Born		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
0 to 4th Grade	4,657	10.5%	656	40.2%	1,373	26.3%	6,686	13.1%
5th to 8th Grade	7,704	17.4%	432	26.5%	1,314	25.2%	9,450	18.5%
9th to 12th Grade (no diploma)	31,915	72.1%	129	7.9%	1,050	20.1%	33,094	64.7%
High School Graduate	*	*	143	8.8%	743	14.2%	886	1.7%
GED or High School Equivalency	*	*	53	3.2%	123	2.4%	176	0.3%
Some College to 2-yr Degree	*	*	183	11.2%	394	7.5%	577	1.1%
Bachelor's Degree and Higher	*	*	35	2.1%	222	4.3%	257	0.5%
Total	44,276	100.0%	1,631	100.0%	5,219	100.0%	51,126	100.0%

## LWDA 10: Borderplex

Counties Served: Brewster, Culberson, El Paso, Hudspeth, Jeff Davis, Presidio.

**Table 16: LWDA 10 Borderplex - Individuals Eligible for Adult Education Services (2012-2016)**

Educational Attainment	English Fluent		Not English Fluent, Native Born		Not English Fluent, Foreign Born		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
0 to 4th Grade	29,561	17.9%	2,453	16.1%	18,518	18.9%	50,532	18.2%
5th to 8th Grade	48,436	29.3%	2,267	14.9%	32,052	32.8%	82,755	29.7%
9th to 12th Grade (no diploma)	87,371	52.8%	3,534	23.2%	15,787	16.2%	106,692	38.3%
High School Graduate	*	*	2,891	19.0%	12,433	12.7%	15,324	5.5%
GED or High School Equivalency	*	*	934	6.1%	6,025	6.2%	6,959	2.5%
Some College to 2-yr Degree	*	*	2,263	14.8%	8,757	9.0%	11,020	4.0%
Bachelor's Degree and Higher	*	*	899	5.9%	4,168	4.3%	5,067	1.8%
Total	165,368	100.0%	15,241	100.0%	97,740	100.0%	278,349	100.0%

## LWDA 11: Permian Basin

Counties Served: Andrews, Borden, Crane, Dawson, Ector, Gaines, Glasscock, Howard, Loving, Martin, Midland, Pecos, Reeves, Terrell, Upton, Ward, Winkler.

**Table 17: LWDA 11 Permian Basin - Individuals Eligible for Adult Education Services (2012-2016)**

Educational Attainment	English Fluent		Not English Fluent, Native Born		Not English Fluent, Foreign Born		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
0 to 4th Grade	5,705	8.8%	1,400	34.6%	5,636	21.8%	12,741	13.4%
5th to 8th Grade	12,249	18.9%	1,041	25.8%	7,539	29.2%	20,829	22.0%
9th to 12th Grade (no diploma)	46,939	72.3%	483	12.0%	5,241	20.3%	52,663	55.6%
High School Graduate	*	*	591	14.6%	3,419	13.3%	4,010	4.2%
GED or High School Equivalency	*	*	93	2.3%	1,087	4.2%	1,180	1.2%
Some College to 2-yr Degree	*	*	361	8.9%	2,134	8.3%	2,495	2.6%
Bachelor's Degree and Higher	*	*	72	1.8%	747	2.9%	819	0.9%
Total	64,893	100.0%	4,041	100.0%	25,803	100.0%	94,737	100.0%

## LWDA 12: Concho Valley

Counties Served: Coke, Concho, Crockett, Irion, Kimble, Mason, McCulloch, Menard, Reagan, Schleicher, Sterling, Sutton, Tom Green.

**Table 18: LWDA 12 Concho Valley - Individuals Eligible for Adult Education Services (2012-2016)**

Educational Attainment	English Fluent		Not English Fluent, Native Born		Not English Fluent, Foreign Born		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
0 to 4th Grade	2,577	12.0%	154	15.2%	1,344	30.5%	4,075	15.2%
5th to 8th Grade	4,384	20.5%	156	15.4%	1,263	28.7%	5,803	21.6%
9th to 12th Grade (no diploma)	14,475	67.5%	191	18.8%	697	15.8%	15,363	57.2%
High School Graduate	*	*	135	13.3%	475	10.8%	610	2.3%
GED or High School Equivalency	*	*	39	3.8%	338	7.7%	377	1.4%
Some College to 2-yr Degree	*	*	158	15.6%	263	6.0%	421	1.6%
Bachelor's Degree and Higher	*	*	182	17.9%	28	0.6%	210	0.8%
Total	21,436	100.0%	1,015	100.0%	4,408	100.0%	26,859	100.0%

## LWDA 13: Heart of Texas

Counties Served: Bosque, Falls, Freestone, Hill, Limestone, McLennan.

**Table 19: LWDA 13 Heart of Texas - Individuals Eligible for Adult Education Services (2012-2016)**

Educational Attainment	English Fluent		Not English Fluent, Native Born		Not English Fluent, Foreign Born		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
0 to 4th Grade	3,820	8.5%	118	16.9%	2,586	18.9%	6,524	11.0%
5th to 8th Grade	7,117	15.9%	152	21.7%	4,392	32.2%	11,661	19.7%
9th to 12th Grade (no diploma)	33,934	75.6%	170	24.3%	3,706	27.1%	37,810	63.8%
High School Graduate	*	*	151	21.6%	2,025	14.8%	2,176	3.7%
GED or High School Equivalency	*	*	12	1.7%	142	1.0%	154	0.3%
Some College to 2-yr Degree	*	*	39	5.6%	662	4.8%	701	1.2%
Bachelor's Degree and Higher	*	*	58	8.3%	144	1.1%	202	0.3%
Total	44,871	100.0%	700	100.0%	13,657	100.0%	59,228	100.0%



## LWDA 14: Capital Area

Counties Served: Travis.

**Table 20: LWDA 14 Capital Area - Individuals Eligible for Adult Education Services (2012-2016)**

Educational Attainment	English Fluent		Not English Fluent, Native Born		Not English Fluent, Foreign Born		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
0 to 4th Grade	10,101	11.6%	610	13.9%	10,079	15.3%	20,790	13.2%
5th to 8th Grade	13,305	15.2%	618	14.1%	16,885	25.7%	30,808	19.6%
9th to 12th Grade (no diploma)	63,954	73.2%	851	19.4%	11,093	16.9%	75,898	48.2%
High School Graduate	*	*	1,117	25.5%	16,967	25.8%	18,084	11.5%
GED or High School Equivalency	*	*	131	3.0%	1,424	2.2%	1,555	1.0%
Some College to 2-yr Degree	*	*	543	12.4%	4,966	7.6%	5,509	3.5%
Bachelor's Degree and Higher	*	*	517	11.8%	4,289	6.5%	4,806	3.1%
Total	87,360	100.0%	4,387	100.0%	65,703	100.0%	157,450	100.0%

## LWDA 15: Rural Capital

Counties Served: Bastrop, Blanco, Burnet, Caldwell, Fayette, Hays, Lee, Llano, Williamson.

**Table 21: LWDA 15 Rural Capital - Individuals Eligible for Adult Education Services (2012-2016)**

Educational Attainment	English Fluent		Not English Fluent, Native Born		Not English Fluent, Foreign Born		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
0 to 4th Grade	6,566	7.9%	440	12.7%	4,027	16.7%	11,033	10.0%
5th to 8th Grade	11,830	14.3%	392	11.3%	7,396	30.6%	19,618	17.8%
9th to 12th Grade (no diploma)	64,262	77.7%	446	12.8%	4,633	19.2%	69,341	62.9%
High School Graduate	*	*	836	24.1%	4,358	18.1%	5,194	4.7%
GED or High School Equivalency	*	*	102	2.9%	589	2.4%	691	0.6%
Some College to 2-yr Degree	*	*	824	23.7%	1,878	7.8%	2,702	2.5%
Bachelor's Degree and Higher	*	*	433	12.5%	1,261	5.2%	1,694	1.5%
Total	82,658	100.0%	3,473	100.0%	24,142	100.0%	110,273	100.0%

## LWDA 16: Brazos Valley

Counties Served: Brazos, Burleson, Grimes, Leon, Madison, Robertson, Washington.

**Table 22: LWDA 16 Brazos Valley - Individuals Eligible for Adult Education Services (2012-2016)**

Educational Attainment	English Fluent		Not English Fluent, Native Born		Not English Fluent, Foreign Born		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
0 to 4th Grade	3,394	9.1%	153	16.5%	2,569	22.9%	6,116	12.3%
5th to 8th Grade	6,620	17.7%	83	8.9%	3,438	30.6%	10,141	20.4%
9th to 12th Grade (no diploma)	27,438	73.3%	300	32.3%	1,878	16.7%	29,616	59.7%
High School Graduate	*	*	88	9.5%	1,580	14.1%	1,668	3.4%
GED or High School Equivalency	*	*	78	8.4%	107	1.0%	185	0.4%
Some College to 2-yr Degree	*	*	195	21.0%	608	5.4%	803	1.6%
Bachelor's Degree and Higher	*	*	33	3.5%	1,062	9.4%	1,095	2.2%
Total	37,452	100.0%	930	100.0%	11,242	100.0%	49,624	100.0%

## LWDA 17: Deep East Texas

Counties Served: Angelina, Houston, Jasper, Nacogdoches, Newton, Polk, Sabine, San Augustine, San Jacinto, Shelby, Trinity, Tyler.

**Table 23: LWDA 17 Deep East Texas - Individuals Eligible for Adult Education Services (2012-2016)**

Educational Attainment	English Fluent		Not English Fluent, Native Born		Not English Fluent, Foreign Born		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
0 to 4th Grade	3,681	6.9%	49	9.0%	2,189	21.3%	5,919	9.2%
5th to 8th Grade	9,076	17.0%	210	38.6%	3,408	33.1%	12,694	19.8%
9th to 12th Grade (no diploma)	40,656	76.1%	82	15.1%	2,004	19.5%	42,742	66.5%
High School Graduate	*	*	68	12.5%	1,944	18.9%	2,012	3.1%
GED or High School Equivalency	*	*	3	0.6%	186	1.8%	189	0.3%
Some College to 2-yr Degree	*	*	101	18.6%	484	4.7%	585	0.9%
Bachelor's Degree and Higher	*	*	31	5.7%	84	0.8%	115	0.2%
Total	53,413	100.0%	544	100.0%	10,299	100.0%	64,256	100.0%

## LWDA 18: South East Texas

Counties Served: Hardin, Jefferson, Orange.

**Table 24: LWDA 18 South East Texas - Individuals Eligible for Adult Education Services (2012-2016)**

Educational Attainment	English Fluent		Not English Fluent, Native Born		Not English Fluent, Foreign Born		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
0 to 4th Grade	3,292	6.9%	179	16.2%	1,881	19.5%	5,352	9.1%
5th to 8th Grade	7,834	16.3%	233	21.1%	2,719	28.1%	10,786	18.4%
9th to 12th Grade (no diploma)	36,789	76.8%	326	29.6%	2,089	21.6%	39,204	66.8%
High School Graduate	*	*	118	10.7%	1,833	19.0%	1,951	3.3%
GED or High School Equivalency	*	*	33	3.0%	160	1.7%	193	0.3%
Some College to 2-yr Degree	*	*	148	13.4%	497	5.1%	645	1.1%
Bachelor's Degree and Higher	*	*	65	5.9%	486	5.0%	551	0.9%
Total	47,915	100.0%	1,102	100.0%	9,665	100.0%	58,682	100.0%

## LWDA 19: Golden Crescent

Counties Served: Calhoun, DeWitt, Goliad, Gonzales, Jackson, Lavaca, Victoria.

**Table 25: LWDA 19 Golden Crescent - Individuals Eligible for Adult Education Services (2012-2016)**

Educational Attainment	English Fluent		Not English Fluent, Native Born		Not English Fluent, Foreign Born		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
0 to 4th Grade	2,416	8.5%	388	33.9%	1,155	24.8%	3,959	11.6%
5th to 8th Grade	5,762	20.3%	253	22.1%	1,273	27.3%	7,288	21.3%
9th to 12th Grade (no diploma)	20,270	71.3%	113	9.9%	905	19.4%	21,288	62.2%
High School Graduate	*	*	252	22.0%	689	14.8%	941	2.7%
GED or High School Equivalency	*	*	67	5.9%	66	1.4%	133	0.4%
Some College to 2-yr Degree	*	*	32	2.8%	298	6.4%	330	1.0%
Bachelor's Degree and Higher	*	*	38	3.3%	270	5.8%	308	0.9%
Total	28,448	100.0%	1,143	100.0%	4,656	100.0%	34,247	100.0%

## LWDA 20: Alamo

Counties Served: Atascosa, Bandera, Bexar, Comal, Frio, Gillespie, Guadalupe, Karnes, Kendall, Kerr, McMullen, Medina, Wilson.

**Table 26: LWDA 20 Alamo - Individuals Eligible for Adult Education Services (2012-2016)**

Educational Attainment	English Fluent		Not English Fluent, Native Born		Not English Fluent, Foreign Born		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
0 to 4th Grade	27,505	9.6%	4,048	21.6%	18,880	20.1%	50,433	12.7%
5th to 8th Grade	47,256	16.5%	3,007	16.0%	24,933	26.5%	75,196	18.9%
9th to 12th Grade (no diploma)	211,133	73.9%	3,121	16.6%	18,069	19.2%	232,323	58.3%
High School Graduate	*	*	3,206	17.1%	17,359	18.5%	20,565	5.2%
GED or High School Equivalency	*	*	776	4.1%	2,052	2.2%	2,828	0.7%
Some College to 2-yr Degree	*	*	2,772	14.8%	8,111	8.6%	10,883	2.7%
Bachelor's Degree and Higher	*	*	1,832	9.8%	4,613	4.9%	6,445	1.6%
<b>Total</b>	<b>285,894</b>	<b>100.0%</b>	<b>18,762</b>	<b>100.0%</b>	<b>94,017</b>	<b>100.0%</b>	<b>398,673</b>	<b>100.0%</b>

## LWDA 21: South Texas

Counties Served: Jim Hogg, Webb, Zapata.

**Table 27: LWDA 21 South Texas - Individuals Eligible for Adult Education Services (2012-2016)**

Educational Attainment	English Fluent		Not English Fluent, Native Born		Not English Fluent, Foreign Born		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
0 to 4th Grade	3,134	8.9%	1,379	13.7%	7,805	17.9%	12,318	13.8%
5th to 8th Grade	6,043	17.2%	2,061	20.5%	12,685	29.0%	20,789	23.4%
9th to 12th Grade (no diploma)	26,018	73.9%	2,301	22.9%	9,637	22.1%	37,956	42.7%
High School Graduate	*	*	2,229	22.2%	7,148	16.4%	9,377	10.5%
GED or High School Equivalency	*	*	425	4.2%	831	1.9%	1,256	1.4%
Some College to 2-yr Degree	*	*	1,112	11.1%	2,984	6.8%	4,096	4.6%
Bachelor's Degree and Higher	*	*	548	5.5%	2,601	6.0%	3,149	3.5%
Total	35,195	100.0%	10,055	100.0%	43,691	100.0%	88,941	100.0%



## LWDA 22: Coastal Bend

Counties Served: Aransas, Bee, Brooks, Duval, Jim Wells, Kenedy, Kleberg, Live Oak, Nueces, Refugio, San Patricio.

**Table 28: LWDA 22 Coastal Bend - Individuals Eligible for Adult Education Services (2012-2016)**

Educational Attainment	English Fluent		Not English Fluent, Native Born		Not English Fluent, Foreign Born		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
0 to 4th Grade	7,876	8.5%	3,120	41.2%	4,196	24.7%	15,192	13.0%
5th to 8th Grade	18,662	20.2%	1,892	25.0%	4,925	29.0%	25,479	21.8%
9th to 12th Grade (no diploma)	65,941	71.3%	875	11.5%	3,029	17.9%	69,845	59.7%
High School Graduate	*	*	677	8.9%	2,555	15.1%	3,232	2.8%
GED or High School Equivalency	*	*	135	1.8%	210	1.2%	345	0.3%
Some College to 2-yr Degree	*	*	604	8.0%	1,371	8.1%	1,975	1.7%
Bachelor's Degree and Higher	*	*	279	3.7%	674	4.0%	953	0.8%
<b>Total</b>	<b>92,479</b>	<b>100.0%</b>	<b>7,582</b>	<b>100.0%</b>	<b>16,960</b>	<b>100.0%</b>	<b>117,021</b>	<b>100.0%</b>

## LWDA 23: Lower Rio Grande Valley

Counties Served: Hidalgo, Starr, Willacy.

**Table 29: LWDA 23 Lower Rio Grande Valley - Individuals Eligible for Adult Education Services (2012-2016)**

Educational Attainment	English Fluent		Not English Fluent, Native Born		Not English Fluent, Foreign Born		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
0 to 4th Grade	12,265	10.0%	5,617	27.3%	30,532	22.0%	48,414	17.2%
5th to 8th Grade	23,232	18.9%	4,803	23.3%	44,578	32.2%	72,613	25.8%
9th to 12th Grade (no diploma)	87,152	71.1%	3,893	18.9%	29,867	21.6%	120,912	42.9%
High School Graduate	*	*	2,904	14.1%	16,008	11.6%	18,912	6.7%
GED or High School Equivalency	*	*	521	2.5%	2,169	1.6%	2,690	1.0%
Some College to 2-yr Degree	*	*	1,982	9.6%	8,592	6.2%	10,574	3.8%
Bachelor's Degree and Higher	*	*	850	4.1%	6,805	4.9%	7,655	2.7%
Total	122,649	100.0%	20,570	100.0%	138,551	100.0%	281,770	100.0%

## LWDA 24: Cameron County

Counties Served: Cameron.

**Table 30: LWDA 24 Cameron County - Individuals Eligible for Adult Education Services (2012-2016)**

Educational Attainment	English Fluent		Not English Fluent, Native Born		Not English Fluent, Foreign Born		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
0 to 4th Grade	6,219	10.2%	2,678	25.0%	11,825	22.1%	20,722	16.5%
5th to 8th Grade	12,405	20.3%	3,282	30.6%	16,755	31.3%	32,442	25.9%
9th to 12th Grade (no diploma)	42,466	69.5%	1,906	17.8%	10,655	19.9%	55,027	43.9%
High School Graduate	*	*	1,010	9.4%	6,692	12.5%	7,702	6.1%
GED or High School Equivalency	*	*	316	2.9%	1,321	2.5%	1,637	1.3%
Some College to 2-yr Degree	*	*	1,034	9.6%	4,379	8.2%	5,413	4.3%
Bachelor's Degree and Higher	*	*	499	4.7%	1,931	3.6%	2,430	1.9%
Total	61,090	100.0%	10,725	100.0%	53,558	100.0%	125,373	100.0%

## LWDA 25: Texoma

Counties Served: Cooke, Fannin, Grayson.

**Table 31: LWDA 25 Texoma - Individuals Eligible for Adult Education Services (2012-2016)**

Educational Attainment	English Fluent		Not English Fluent, Native Born		Not English Fluent, Foreign Born		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
0 to 4th Grade	1,510	6.4%	60	17.8%	813	18.8%	2,383	8.4%
5th to 8th Grade	3,206	13.5%	40	11.8%	949	21.9%	4,195	14.8%
9th to 12th Grade (no diploma)	18,973	80.1%	32	9.5%	854	19.7%	19,859	70.0%
High School Graduate	*	*	97	28.7%	940	21.7%	1,037	3.7%
GED or High School Equivalency	*	*	17	5.0%	121	2.8%	138	0.5%
Some College to 2-yr Degree	*	*	69	20.4%	300	6.9%	369	1.3%
Bachelor's Degree and Higher	*	*	23	6.8%	350	8.1%	373	1.3%
<b>Total</b>	<b>23,689</b>	<b>100.0%</b>	<b>338</b>	<b>100.0%</b>	<b>4,327</b>	<b>100.0%</b>	<b>28,354</b>	<b>100.0%</b>

## LWDA 26: Central Texas

Counties Served: Bell, Coryell, Hamilton, Lampasas, Milam, Mills, San Saba.

**Table 32: LWDA 26 Central Texas - Individuals Eligible for Adult Education Services (2012-2016)**

Educational Attainment	English Fluent		Not English Fluent, Native Born		Not English Fluent, Foreign Born		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
0 to 4th Grade	3,240	7.3%	403	18.8%	2,037	26.2%	5,680	10.5%
5th to 8th Grade	7,036	15.9%	368	17.2%	2,236	28.8%	9,640	17.8%
9th to 12th Grade (no diploma)	34,005	76.8%	251	11.7%	934	12.0%	35,190	64.9%
High School Graduate	*	*	319	14.9%	1,591	20.5%	1,910	3.5%
GED or High School Equivalency	*	*	132	6.2%	143	1.8%	275	0.5%
Some College to 2-yr Degree	*	*	524	24.5%	489	6.3%	1,013	1.9%
Bachelor's Degree and Higher	*	*	142	6.6%	336	4.3%	478	0.9%
Total	44,281	100.0%	2,139	100.0%	7,766	100.0%	54,186	100.0%

## LWDA 27: Middle Rio Grande

Counties Served: Dimmit, Edwards, Kinney, LaSalle, Maverick, Real, Uvalde, Val Verde, Zavala.

**Table 33: LWDA 27 Middle Rio Grande - Individuals Eligible for Adult Education Services (2012-2016)**

Educational Attainment	English Fluent		Not English Fluent, Native Born		Not English Fluent, Foreign Born		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
0 to 4th Grade	3,505	10.4%	1,067	26.1%	5,011	24.3%	9,583	16.4%
5th to 8th Grade	7,760	23.1%	957	23.4%	7,012	34.1%	15,729	27.0%
9th to 12th Grade (no diploma)	22,321	66.5%	802	19.6%	3,783	18.4%	26,906	46.2%
High School Graduate	*	*	650	15.9%	1,720	8.4%	2,370	4.1%
GED or High School Equivalency	*	*	202	4.9%	637	3.1%	839	1.4%
Some College to 2-yr Degree	*	*	304	7.4%	1,613	7.8%	1,917	3.3%
Bachelor's Degree and Higher	*	*	110	2.7%	805	3.9%	915	1.6%
Total	33,586	100.0%	4,092	100.0%	20,581	100.0%	58,259	100.0%

## LWDA 28: Gulf Coast

Counties Served: Austin, Brazoria, Chambers, Colorado, Fort Bend, Galveston, Harris, Liberty, Matagorda, Montgomery, Walker, Waller, Wharton.

**Table 34: LWDA 28 Gulf Coast - Individuals Eligible for Adult Education Services (2012-2016)**

Educational Attainment	English Fluent		Not English Fluent, Native Born		Not English Fluent, Foreign Born		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
0 to 4th Grade	64,614	9.1%	4,198	15.5%	92,903	18.4%	161,715	13.0%
5th to 8th Grade	115,343	16.3%	4,565	16.9%	139,933	27.7%	259,841	20.9%
9th to 12th Grade (no diploma)	529,532	74.6%	6,591	24.3%	93,546	18.5%	629,669	50.7%
High School Graduate	*	*	5,031	18.6%	105,444	20.9%	110,475	8.9%
GED or High School Equivalency	*	*	723	2.7%	8,118	1.6%	8,841	0.7%
Some College to 2-yr Degree	*	*	3,333	12.3%	39,184	7.8%	42,517	3.4%
Bachelor's Degree and Higher	*	*	2,650	9.8%	26,164	5.2%	28,814	2.3%
Total	709,489	100.0%	27,091	100.0%	505,292	100.0%	1,241,872	100.0%

## **Appendix B: Projection Methodologies**

The Office of the State Demographer provided the technical discussion on the projection methodologies contained in this appendix. This appendix extensively details the procedures and supporting rationale behind the statewide and regional adult education projections. The tables include formatting and minor stylistic edits to be consistent with the rest of the paper.

### **Methodology of the Adult Education Projection**

The volume of international migration to the state influences the future population in need of adult education in the state of Texas. This is the case because lack of English language literacy and low education are two of the principal markers of membership in the adult education service population. Both attributes are strongly associated with foreign birth.

The Texas Demographic Center prepares projections of the population of the state by age, sex, race and Hispanic origin, using cohort component methodology. This method assumes the continuation of current trends in age-sex-race-Hispanic origin birth and death rates, and uses this information along with information about the current size of the population by these attributes to predict future population. Change to the population because of migration from other states and other countries uses several scenarios of possible future migration. The Texas Demographic Center publishes three scenarios, based respectively on:

1. The age-sex-race-Hispanic origin net migration rates observed in the 2000s (1.0 scenario),
2. An assumed reduction of those rates by one-half (0.5 scenario), and
3. An assumption of no migration.

The website of the Texas Demographic Center contains the full methodology for these projections (Texas Demographic Center, 2014).

The last, no migration, projection is not realistic. Texas has experienced net in-migration consistently in each year since 2000. Publication of the no migration scenario serves as a reference tool to understand the effects of migration on the state's migration. The Texas Demographic Center recommends the 0.5 scenario (one-half of net migration observed in the 2000s) as the most plausible scenario for predicting long-term population growth in the state. This recommendation is a subjective judgment, and by no means constitutes a certainty.



The Texas Demographic Center projects future service demand for the state by making assumptions about the relationship between the projected population by detailed demographic group and the projected characteristic.

The Texas Demographic Center projections do not explicitly project the size of the international immigrant population. The migration components used in these projections combine domestic and international migration, and do not explicitly estimate a stock of resident in-migrants. The rapid growth of the Hispanic population to some extent gives an indication of the growth of the immigrant population, and reflects the growth of a population shaped by recent migration, whose social characteristics reflect the presence of a substantial minority of immigrants.

In order to project the number of immigrants to the state and labor workforce development areas within the framework of the Texas Demographic Center projection program, the already developed projection scenario (2000-2010) was used. This scenario included projections of the number of net migrants by ethnicity for each year out to the projection horizon of 2050. The numbers of net migrants do not distinguish migrants to Texas from other states or from other countries.

Of course, this exercise is substantially speculative with respect to what will actually happen in future migration to the state. The ability to predict future migration flows on a theoretical basis is weak.

However, the comparisons illustrate one reason that the Texas Demographic Center 0.5 migration scenario remains the preferred one for long-term forecasts. All other scenarios imply either a substantial increase in the number of international migrants to the state over the next several decades, or large increases in domestic migration. Neither expectation appears strongly grounded in the demographic situation of the state or its principal migration partners. Specifically, the declining rate of growth of the Mexican labor force over the next several decades may weaken the push-factors sustaining illegal migration to the state from Mexico, while the aging of the population of the United States may also put downward pressure on domestic migration flows.

### Allocating the Foreign-Born to Workforce Regions

Projections of the foreign-born population are calculated at the state level, and then allocated to workforce regions to make estimates of the population in need of adult education in each region. The allocations assume that the growth of the foreign-born population in each age-sex-race-Hispanic origin group was proportional to the projected growth of the group as a whole within each region. This growth is conditional on migration, both domestic and international.

This means that allocations of areas projected for faster growth based on net migration components in the base Texas Demographic Center projection models receive a larger share of the foreign-born population. There was no attempt to forecast changing regional patterns of international migration within the state. The resulting regional projections were controlled algebraically to equal projected statewide totals of the foreign born.

### Converting the Foreign-Born Projections to Adult Education Projections

The final step in the projection of adult education need was to apply age-sex-race-ethnicity-immigrant status-specific rates of education and English language fluency to the projected population of the state and workforce regions in each group. The education categories were holding a high school diploma or higher credential versus being a high school dropout who was at least 16 years old. Fluency categories were those speaking English only, very well, or well versus those speaking English not well, or not at all. These rates are from the 2012-2016 five-year sample of the American Community Survey for Texas counties. Educational attainment rates for three age groups (16-44, 45-64, and 65 and older) were applied to projected populations and then aggregated.

## Appendix C: Projected Need for Adult Education by LWDA

This appendix presents the projected numbers of individuals over the age of 16 who will qualify for adult education by each LWDA in 2020, 2030, 2040, and 2050. The numbers were calculated by the Office of the State Demographer using the projection methodology detailed in Appendix B. In short, the percentages of the population needing adult education were calculated for each LWDA by applying statewide rates from the 2012-2016 American Community Survey. Individuals are not English fluent if they report speaking English “not well” or “not at all.”

### LWDA 1: Panhandle

**Table 35: LWDA 1 Panhandle- Projected Numbers of Individuals Eligible for Adult Education Services (2020-2050)**

LWDA	Year	Less than HS, English Fluent	Less than High School, Not English Fluent	HS and above, Not English Fluent	Total
1	2020	50,968	18,065	8,565	77,598
	2030	60,368	24,286	10,970	95,624
	2040	69,065	30,773	13,461	113,299
	2050	78,698	38,037	16,340	133,075

### LWDA 2: South Plains

**Table 36: LWDA 2 South Plains- Projected Numbers of Individuals Eligible for Adult Education Services (2020-2050)**

LWDA	Year	Less than HS, English Fluent	Less than High School, Not English Fluent	HS and above, Not English Fluent	Total
2	2020	54,460	11,915	5,771	72,146
	2030	63,312	15,314	7,020	85,646
	2040	71,043	18,517	8,326	97,886
	2050	78,954	21,848	9,691	110,493

LWDA 3: North Texas

**Table 37: LWDA 3 North Texas - Projected Numbers of Individuals Eligible for Adult Education Services (2020-2050)**

LWDA	Year	Less than HS, English Fluent	Less than High School, Not English Fluent	HS and above, Not English Fluent	Total
3	2020	22,900	4,064	2,129	29,093
	2030	25,393	5,408	2,634	33,435
	2040	27,124	6,742	3,125	36,991
	2050	28,794	8,204	3,671	40,669

LWDA 4: North Central

**Table 38: LWDA 4 North Central - Projected Numbers of Individuals Eligible for Adult Education Services (2020-2050)**

LWDA	Year	Less than HS, English Fluent	Less than High School, Not English Fluent	HS and above, Not English Fluent	Total
4	2020	306,105	54,953	52,024	413,082
	2030	393,942	102,444	77,985	574,371
	2040	493,323	166,405	109,288	769,016
	2050	609,089	254,183	151,375	1,014,646

LWDA 5: Tarrant County

**Table 39: LWDA 5 Tarrant County - Projected Numbers of Individuals Eligible for Adult Education Services (2020-2050)**

LWDA	Year	Less than HS, English Fluent	Less than High School, Not English Fluent	HS and above, Not English Fluent	Total
5	2020	216,099	88,560	46,404	351,063
	2030	262,020	123,314	61,306	446,640
	2040	305,709	162,057	76,644	544,410
	2050	351,268	206,345	94,362	651,975

LWDA 6: Greater Dallas

**Table 40: LWDA 6 Greater Dallas - Projected Numbers of Individuals Eligible for Adult Education Services (2020-2050)**

LWDA	Year	Less than HS, English Fluent	Less than High School, Not English Fluent	HS and above, Not English Fluent	Total
6	2020	303,849	185,083	89,271	578,203
	2030	356,217	245,135	112,192	713,544
	2040	405,121	308,204	134,284	847,609
	2050	452,462	372,508	156,785	981,755

LWDA 7: North East

**Table 41: LWDA 7 North East - Projected Numbers of Individuals Eligible for Adult Education Services (2020-2050)**

LWDA	Year	Less than HS, English Fluent	Less than High School, Not English Fluent	HS and above, Not English Fluent	Total
7	2020	25,980	6,470	3,102	35,552
	2030	28,806	8,808	3,992	41,606
	2040	30,785	11,293	4,867	46,945
	2050	32,708	14,135	5,961	52,804

LWDA 8: East Texas

**Table 42: LWDA 8 East Texas - Projected Numbers of Individuals Eligible for Adult Education Services (2020-2050)**

LWDA	Year	Less than HS, English Fluent	Less than High School, Not English Fluent	HS and above, Not English Fluent	Total
8	2020	89,550	22,746	11,174	123,470
	2030	102,387	33,057	15,329	150,773
	2040	113,210	45,417	20,054	178,681
	2050	126,013	61,213	26,142	213,368

LWDA 9: West Central

**Table 43: LWDA 9 West Central - Projected Numbers of Individuals Eligible for Adult Education Services (2020-2050)**

LWDA	Year	Less than HS, English Fluent	Less than High School, Not English Fluent	HS and above, Not English Fluent	Total
9	2020	36,836	6,364	3,135	46,335
	2030	40,978	8,124	3,780	52,882
	2040	43,641	9,711	4,379	57,731
	2050	46,173	11,305	4,997	62,475

LWDA 10: Borderplex

**Table 44: LWDA 10 Borderplex - Projected Numbers of Individuals Eligible for Adult Education Services (2020-2050)**

LWDA	Year	Less than HS, English Fluent	Less than High School, Not English Fluent	HS and above, Not English Fluent	Total
10	2020	112,324	129,822	39,570	281,716
	2030	134,836	152,591	45,725	333,152
	2040	157,321	175,323	52,348	384,992
	2050	17,6297	195,456	58,609	430,363

LWDA 11: Permian Basin

**Table 45: LWDA 11 Permian Basin - Projected Numbers of Individuals Eligible for Adult Education Services (2020-2050)**

LWDA	Year	Less than HS, English Fluent	Less than High School, Not English Fluent	HS and above, Not English Fluent	Total
11	2020	58,119	22,087	9,785	89,991
	2030	69,278	28,706	12,092	110,076
	2040	79,440	35,426	14,489	129,355
	2050	90,133	42,505	16,988	149,626

## LWDA 12: Concho Valley

**Table 46: LWDA 12 Concho Valley - Projected Numbers of Individuals Eligible for Adult Education Services (2020-2050)**

<b>LWDA</b>	<b>Year</b>	<b>Less than HS, English Fluent</b>	<b>Less than High School, Not English Fluent</b>	<b>HS and above, Not English Fluent</b>	<b>Total</b>
12	2020	19,502	5,202	2,278	26,982
	2030	21,772	6,363	2,622	30,757
	2040	23,317	7,270	2,930	33,517
	2050	24,641	8,075	3,226	35,942

## LWDA 13: Heart of Texas

**Table 47: LWDA 13 Heart of Texas - Projected Numbers of Individuals Eligible for Adult Education Services (2020-2050)**

<b>LWDA</b>	<b>Year</b>	<b>Less than HS, English Fluent</b>	<b>Less than High School, Not English Fluent</b>	<b>HS and above, Not English Fluent</b>	<b>Total</b>
13	2020	39,930	10,776	5,126	55,832
	2030	45,553	14,455	6,502	66,510
	2040	50,147	18,380	7,963	76,490
	2050	54,892	22,763	9,594	87,249

## LWDA 14: Capital Area

**Table 48: LWDA 14 Capital Area - Projected Numbers of Individuals Eligible for Adult Education Services (2020-2050)**

<b>LWDA</b>	<b>Year</b>	<b>Less than HS, English Fluent</b>	<b>Less than High School, Not English Fluent</b>	<b>HS and above, Not English Fluent</b>	<b>Total</b>
14	2020	132,333	52,649	27,726	212,708
	2030	155,855	70,758	35,601	262,214
	2040	180,279	90,188	43,712	314,179
	2050	206,148	111,142	52,224	369,514

## LWDA 15: Rural Capital

**Table 49: LWDA 15 Rural Capital - Projected Numbers of Individuals Eligible for Adult Education Services (2020-2050)**

LWDA	Year	Less than HS, English Fluent	Less than High School, Not English Fluent	HS and above, Not English Fluent	Total
15	2020	107,971	29,015	15,335	152,321
	2030	142,443	44,359	22,228	209,030
	2040	183,068	64,112	30,407	277,587
	2050	231,791	90,551	41,262	363,604

## LWDA 16: Brazos Valley

**Table 50: LWDA 16 Brazos Valley - Projected Numbers of Individuals Eligible for Adult Education Services (2020-2050)**

LWDA	Year	Less than HS, English Fluent	Less than High School, Not English Fluent	HS and above, Not English Fluent	Total
16	2020	38,377	10,377	5,467	54,221
	2030	45,185	14,400	7,252	66,837
	2040	52,407	19,337	9,417	81,161
	2050	60,566	25,116	11,811	97,493

## LWDA 17: Deep East Texas

**Table 51: LWDA 17 Deep East Texas - Projected Numbers of Individuals Eligible for Adult Education Services (2020-2050)**

LWDA	Year	Less than HS, English Fluent	Less than High School, Not English Fluent	HS and above, Not English Fluent	Total
17	2020	40,045	8,998	4,342	53,385
	2030	44,751	12,318	5,598	62,667
	2040	48,243	15,932	6,880	71,055
	2050	51,717	20,256	8,418	80,391



LWDA 18: South East Texas

**Table 52: LWDA 18 South East Texas - Projected Numbers of Individuals Eligible for Adult Education Services (2020-2050)**

LWDA	Year	Less than HS, English Fluent	Less than High School, Not English Fluent	HS and above, Not English Fluent	Total
18	2020	42,547	9,310	5,014	56,871
	2030	47,879	12,803	6,528	67,210
	2040	52,072	16,852	8,244	77,168
	2050	56,735	21,732	10,245	88,712

LWDA 19: Golden Crescent

**Table 53: LWDA 19 Golden Crescent - Projected Numbers of Individuals Eligible for Adult Education Services (2020-2050)**

LWDA	Year	Less than HS, English Fluent	Less than High School, Not English Fluent	HS and above, Not English Fluent	Total
19	2020	24,833	6,141	2,724	33,698
	2030	28,199	7,687	3,232	39,118
	2040	30,746	9,037	3,718	43,501
	2050	33,255	10,456	4,262	47,973

LWDA 20: Alamo

**Table 54: LWDA 20 Alamo - Projected Numbers of Individuals Eligible for Adult Education Services 2020-2050)**

LWDA	Year	Less than HS, English Fluent	Less than High School, Not English Fluent	HS and above, Not English Fluent	Total
20	2020	350,353	112,401	50,901	513,655
	2030	418,480	143,424	61,739	623,643
	2040	481,508	173,892	72,641	728,041
	2050	540,933	203,784	83,734	828,451

LWDA 21: South Texas

**Table 55: LWDA 21 South Texas - Projected Numbers of Individuals Eligible for Adult Education Services (2020-2050)**

LWDA	Year	Less than HS, English Fluent	Less than High School, Not English Fluent	HS and above, Not English Fluent	Total
21	2020	50,515	35,129	14,431	100,075
	2030	61,931	43,892	17,403	123,226
	2040	74,681	53,777	20,691	149,149
	2050	87,358	63,546	24,122	175,026

LWDA 22: Coastal Bend

**Table 56: LWDA 22 Coastal Bend - Projected Numbers of Individuals Eligible for Adult Education Services 2020-2050)**

LWDA	Year	Less than HS, English Fluent	Less than High School, Not English Fluent	HS and above, Not English Fluent	Total
22	2020	91,324	21,319	9,385	122,028
	2030	103,330	25,717	10,705	139,752
	2040	112,410	29,168	11,975	153,553
	2050	120,004	32,162	13,133	165,299

LWDA 23: Lower Rio Grande Valley

**Table 57: LWDA 23 Lower Rio Grande Valley - Projected Numbers of Individuals Eligible for Adult Education Services 2020-2050)**

LWDA	Year	Less than HS, English Fluent	Less than High School, Not English Fluent	HS and above, Not English Fluent	Total
23	2020	157,337	114,444	47,522	319,303
	2030	194,090	144,825	58,031	396,946
	2040	235,157	179,367	69,563	484,087
	2050	277,314	215,048	81,707	574,069

LWDA 24: Cameron County

**Table 58: LWDA 24 Cameron County - Projected Numbers of Individuals Eligible for Adult Education Services 2020-2050)**

LWDA	Year	Less than HS, English Fluent	Less than High School, Not English Fluent	HS and above, Not English Fluent	Total
24	2020	72,303	46,965	19,015	138,283
	2030	86,553	57,694	22,472	166,719
	2040	102,589	69,470	26,430	198,489
	2050	118,291	80,945	30,532	229,768

LWDA 25: Texoma

**Table 59: LWDA 25 Texoma - Projected Numbers of Individuals Eligible for Adult Education Services 2020-2050)**

LWDA	Year	Less than HS, English Fluent	Less than High School, Not English Fluent	HS and above, Not English Fluent	Total
25	2020	19,217	4,473	2,295	25,985
	2030	21,839	6,366	3,075	31,280
	2040	23,639	8,577	3,910	36,126
	2050	25,619	11,351	4,947	41,917

LWDA 26: Central Texas

**Table 60: LWDA 26 Central - Projected Numbers of Individuals Eligible for Adult Education Services 2020-2050)**

LWDA	Year	Less than HS, English Fluent	Less than High School, Not English Fluent	HS and above, Not English Fluent	Total
26	2020	53,149	9,842	5,562	68,553
	2030	64,886	13,740	7,402	86,028
	2040	75,932	17,900	9,363	103,195
	2050	88,381	23,001	11,629	123,011

LWDA 27: Middle Rio Grande

**Table 61: LWDA 27 Middle Rio Grande - Projected Numbers of Individuals Eligible for Adult Education Services 2020-2050)**

<b>LWDA</b>	<b>Year</b>	<b>Less than HS, English Fluent</b>	<b>Less than High School, Not English Fluent</b>	<b>HS and above, Not English Fluent</b>	<b>Total</b>
27	2020	31,983	17,594	6,929	56,506
	2030	36,018	20,464	7,851	64,333
	2040	40,084	23,535	8,918	72,537
	2050	43,645	26,263	10,011	79,919

LWDA 28: Gulf Coast

**Table 62: LWDA 28 Gulf Coast - Projected Numbers of Individuals Eligible for Adult Education Services 2020-2050)**

<b>LWDA</b>	<b>Year</b>	<b>Less than HS, English Fluent</b>	<b>Less than High School, Not English Fluent</b>	<b>HS and above, Not English Fluent</b>	<b>Total</b>
28	2020	800,539	441,621	223,051	1,465,211
	2030	981,904	607,273	291,952	1,881,129
	2040	1,160,337	790,995	363,869	2,315,201
	2050	1,349,389	995,938	443,024	2,788,351

## Appendix D: Comparative Data

This appendix presents comparative data on individuals eligible for adult education services in Texas. A comparative analysis was conducted by evaluating data from current and previous reports. The data on the following tables serves as a guide for understanding the significant growth to the population in need of adult education. Tables 63-66 present the numbers of individuals eligible for adult education services in Texas by nativity, fluency, and educational attainment. Data is provided for everyone who is at least 16 years old and for individuals between 16 and 64 years old. Finally, each table includes calculations corresponding to percent change.

### Comparison of Individuals Eligible for Adult Education Services in Texas by Nativity, Fluency, and Educational Attainment (2010 and 2018)

**Table 63: Comparison of Individuals Eligible for Adult Education Services in Texas by Age, Fluency, and Educational Attainment (2010 and 2018)**

Educational Attainment	English Fluent					
	2010 Report		2018 Report		Percent Change	Percent Change
	Age 16+	16-64	Age 16+	16-64	Age 16+	16-64
0 to 4th Grade	208,518	129,255	266,197	177,318	27.66%	37.18%
5th to 8th Grade	532,069	352,349	497,444	352,001	-6.51%	-0.10%
9th to 12th Grade (no diploma)	1,462,265	1,181,430	2,243,639	1,996,169	53.44%	68.96%
High School Graduate	*	*	*	*	*	*
GED or High School Equivalency	*	*	*	*	*	*
Some College to 2-yr Degree	*	*	*	*	*	*
Bachelor's Degree and Higher	*	*	*	*	*	*
Total	2,202,852	1,663,034	3,007,280	2,525,488	36.52%	51.86%
	100%	100%	100%	100%	*	*

**Table 64: Comparison of Individuals Eligible for Adult Education Services in Texas by Age, Nativity (Native Born), Fluency, and Educational Attainment (2010 and 2018)**

Educational Attainment	Not English Fluent, Native Born					
	2010 Report		2018 Report		Percent Change	Percent Change
	Age 16+	16-64	Age 16+	16-64	Age 16+	16-64
0 to 4th Grade	50,368	15,158	34,582	11,292	-31.34%	-25.50%
5th to 8th Grade	42,436	27,342	31,853	19,259	-24.94%	-29.56%
9th to 12th Grade (no diploma)	21,393	18,813	33,272	28,846	55.53%	53.33%
High School Graduate	20,710	18,727	28,639	25,417	38.29%	35.72%
GED or High School Equivalency	5,947	5,099	5,554	4,673	-6.61%	-8.35%
Some College to 2-yr Degree	15,713	13,874	21,108	18,881	34.33%	36.09%
Bachelor's Degree and Higher	10,599	9,090	12,439	10,500	17.36%	15.51%
Total	167,166	108,103	167,447	118,868	0.17%	9.96%
	100%	100%	100%	100%	*	*

**Table 65: Comparison of Individuals Eligible for Adult Education Services in Texas by Age, Nativity (Foreign Born), Fluency, and Educational Attainment (2010 and 2018)**

Educational Attainment	Not English Fluent, Foreign Born					
	2010 Report		2018 Report		Percent Change	Percent Change
	Age 16+	16-64	Age 16+	16-64	Age 16+	16-64
0 to 4th Grade	282,242	204,539	309,175	206,710	9.54%	1.06%
5th to 8th Grade	506,703	456,306	478,904	412,249	-5.49%	-9.66%
9th to 12th Grade (no diploma)	297,250	284,424	323,520	301,842	8.84%	6.12%
High School Graduate	246,971	233,551	292,835	268,254	18.57%	14.86%
GED or High School Equivalency	28,666	26,528	32,773	28,480	14.33%	7.36%
Some College to 2-yr Degree	81,173	76,158	118,305	105,733	45.74%	38.83%
Bachelor's Degree and Higher	58,150	51,387	77,361	64,042	33.04%	24.63%
Total	1,501,155	1,332,893	1,632,873	1,387,310	8.77%	4.08%
	100%	100%	100%	100%	*	*

**Table 66: Comparison of Individuals Eligible for Adult Education Services in Texas by Age and Educational Attainment (2010 and 2018)**

Educational Attainment	Total					
	2010 Report		2018 Report		Percent Change	Percent Change
	Age 16+	16-64	Age 16+	16-64	Age 16+	16-64
0 to 4th Grade	541,128	348,952	609,954	395,320	12.72%	13.29%
5th to 8th Grade	1,081,208	835,997	1,008,201	783,509	-6.75%	-6.28%
9th to 12th Grade (no diploma)	1,780,908	1,484,667	2,600,431	2,326,857	46.02%	56.73%
High School Graduate	267,681	252,278	321,474	293,671	20.10%	16.41%
GED or High School Equivalency	34,613	31,627	38,327	33,153	10.73%	4.82%
Some College to 2-yr Degree	96,886	90,032	139,413	124,614	43.89%	38.41%
Bachelor's Degree and Higher	68,749	60,477	89,800	74,542	30.62%	23.26%
Total	3,871,173	3,104,030	4,807,600	4,031,667	24.19%	29.88%
	100%	100%	100%	100%	*	*



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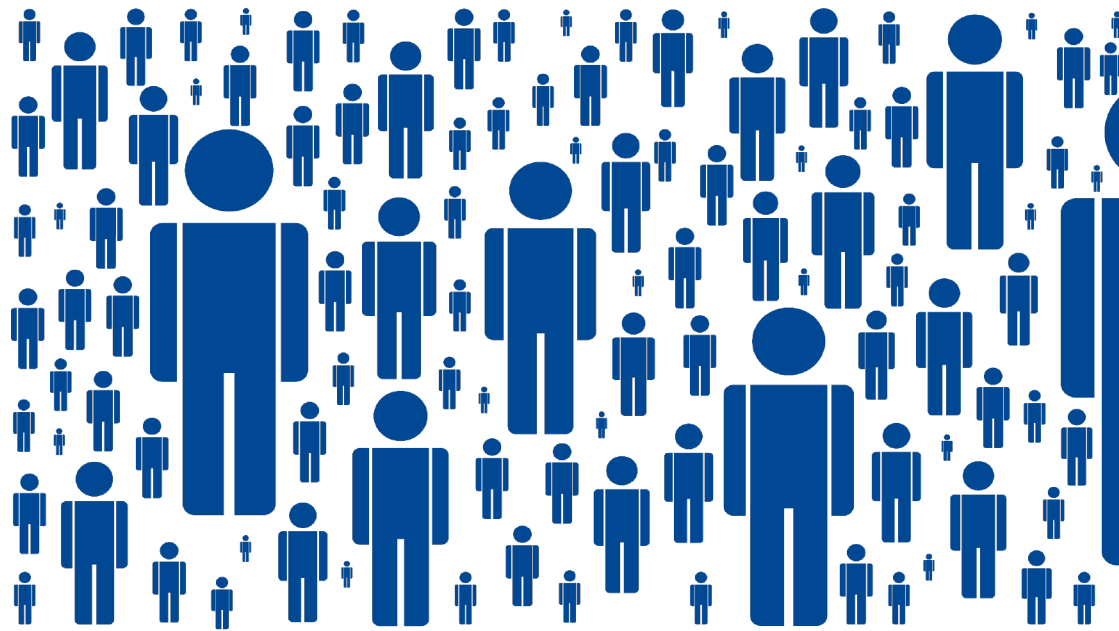
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