



Public Health
Prevent. Promote. Protect.

Executive Summary:

The mission of the Williamson County and Cities Health District (WCCHD), in partnership with communities, is to protect and promote the health of the people of Williamson County. As a public health department serving the people of Williamson County, the most up-to-date information about the health of the community helps guide public health policy and activities.

Taylor and Hutto are the two largest population areas in the eastern portion of Williamson County, with a combined population in 2010 of nearly 30,000 people. The population of Hutto grew many times over in the past decade, while Taylor experienced less growth but saw a shift in demographic makeup. These changes underlie specific public health challenges in each town. Taylor, as a longer established town, has an older population, a higher rate of diabetes hospitalization, physician referral for diabetes through school risk assessment, and teen birth rate. Hutto has a higher rate of asthma hospitalization and does not have a large-scale grocery store selling produce within the city limits.

Within this document, these and other public health challenges are examined using available data sources.

EAST WILLIAMSON (PRECINCT 4) COMMUNITY HEALTH PROFILE



About Williamson County and Cities Health District:

The mission of the Williamson County and Cities Health District (WCCHD), in partnership with communities, is to protect and promote the health of the people of Williamson County. As a public health department, WCCHD professionals work every day to:

- Assess and monitor the health status of communities and populations at risk to identify health issues facing Williamson County;
- Engage communities to identify and solve health problems;
- Protect people from health problems and health hazards;
- Enforce laws that protect health and ensure safety;
- Give people information they need to make healthy choices;
- Help people access needed health services, including health promotion and disease prevention services.

About the Board of Health:

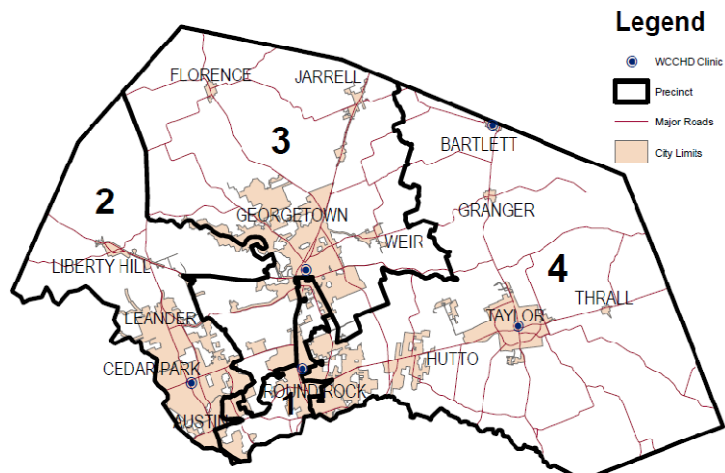
The Board of Health is the administrative authority for the Health District. The governmental entities that form the Health District appoint representatives to serve as directors of the Williamson County Board of Health. Each city with a population of 15,000 or greater appoints one director and the Commissioners’ Court appoints two directors. Cities with a population of less than 15,000 appoint one representative to represent them collectively. The Board meets every two months and meetings are open to the public.

Current Members:

- Kerry Russell, Chair**, Represents: Williamson County
- Mary Faith Sterk, Vice-Chair**, Represents: Williamson County
- Katherine M. Galloway, Secretary**, Represents: Cedar Park
- Rob T. Hardy**, Represents: Georgetown
- Pamela Sanford**, Represents: Taylor
- Andy Martinez**, Represents: Round Rock
- Florence Winkler**, Represents: Liberty Hill and Hutto
- W.S. "Chip" Riggins Jr., MD, MPH**, Executive Director and Health Authority, WCCHD

WCCHD Community Health Profile Boundaries:

This profile uses the precinct boundaries as of June 2011 to define eastern Williamson County. Precinct 4 includes the communities of Bartlett, Granger, Hutto, Taylor and Thrall. As the largest population areas, Hutto and Taylor are the focus of this report. Where possible, statistics are reported for the smaller population areas. Round Rock is divided by these boundaries and has a separate profile. Statistics for Round Rock are not highlighted in this report.



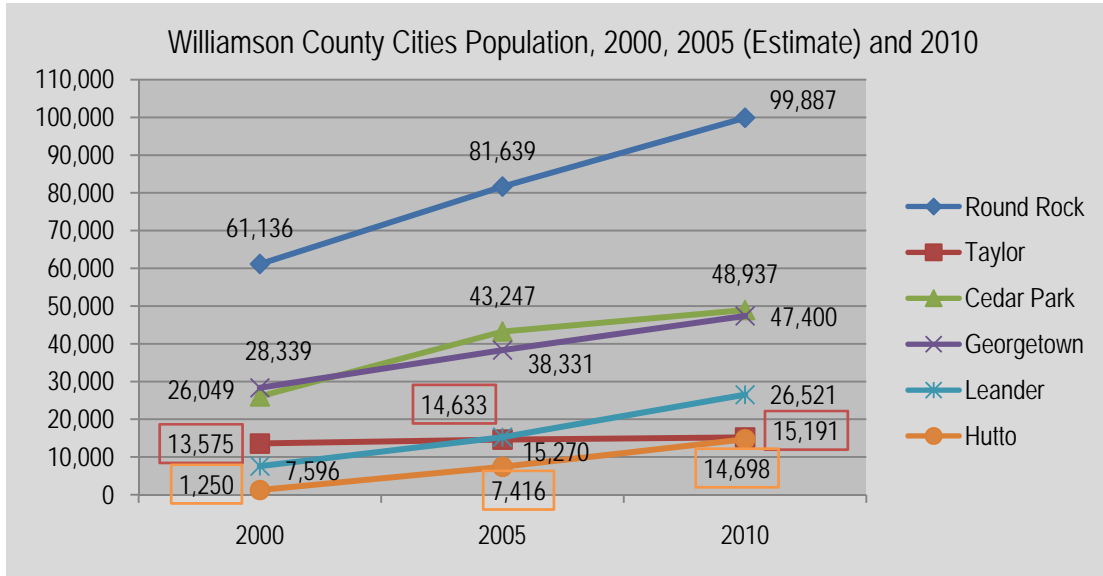
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Population Demographics



Population in Other Precinct 2 Cities:

City	Population 2010
Bartlett (Williamson and Bell County)	1,623
Granger	1,419
Thrall	839

The chart above shows the growth in population in Taylor, Hutto, and other Williamson County population centers between 2000 and 2010. The population in Taylor grew by approximately 1,600 people, while the population in Hutto multiplied in size many times. Williamson County as a whole grew in population by 70% over that time. Source: 2000 Census, 2005 Population Estimates, and 2010 Census.

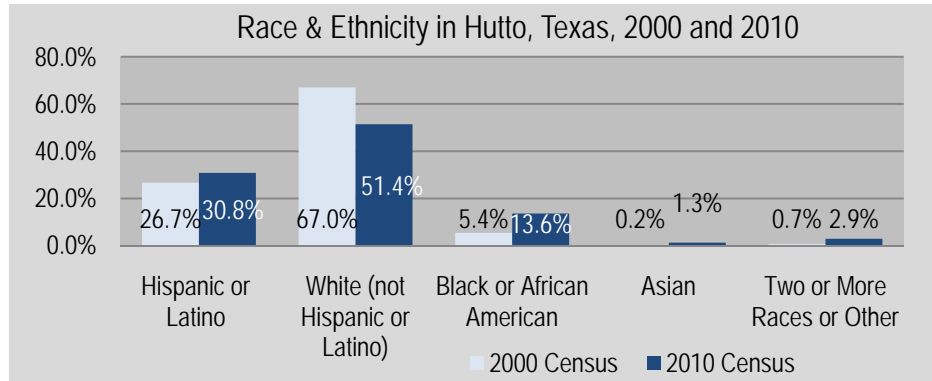
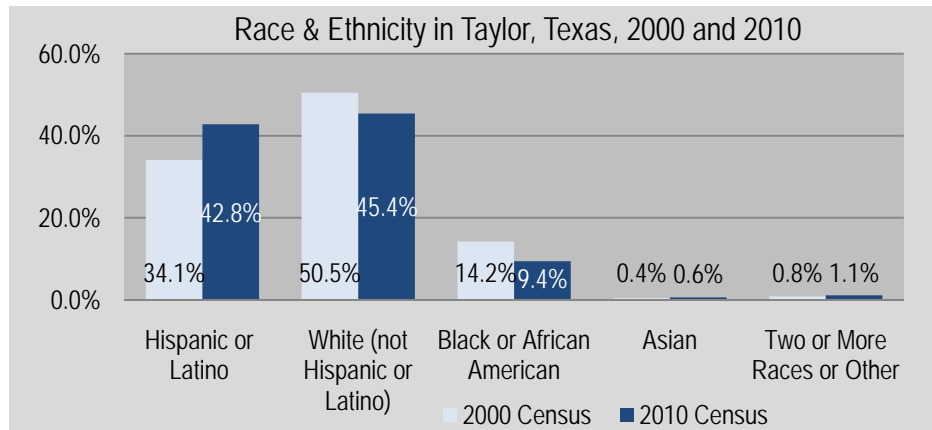
Race & Ethnicity:

Taylor – The percent of the population that is Hispanic or Latino grew, while the population that is White (not Hispanic or Latino) or African American or African American decreased.

Hutto – The percent of the population that is Black or African American grew, as did the percent of the population that is Hispanic or Latino. The percent that is White (not Hispanic or Latino) decreased.

Williamson County – The percent of the population in 2000 that was Hispanic or Latino was 17%. At the 2010 Census, 23.2% of persons were Hispanic or Latino.

Source: 2000 Census and 2010 Census.





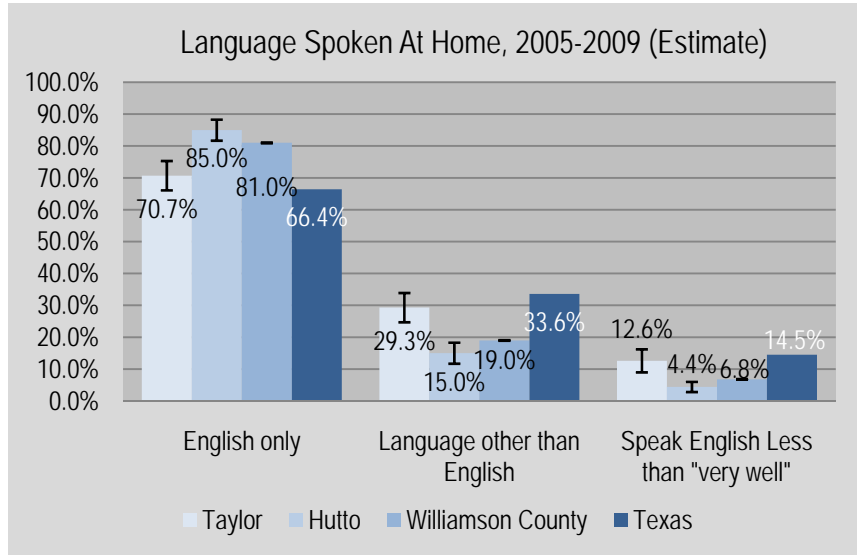
Population Demographics (cont.)

Language Spoken at Home:

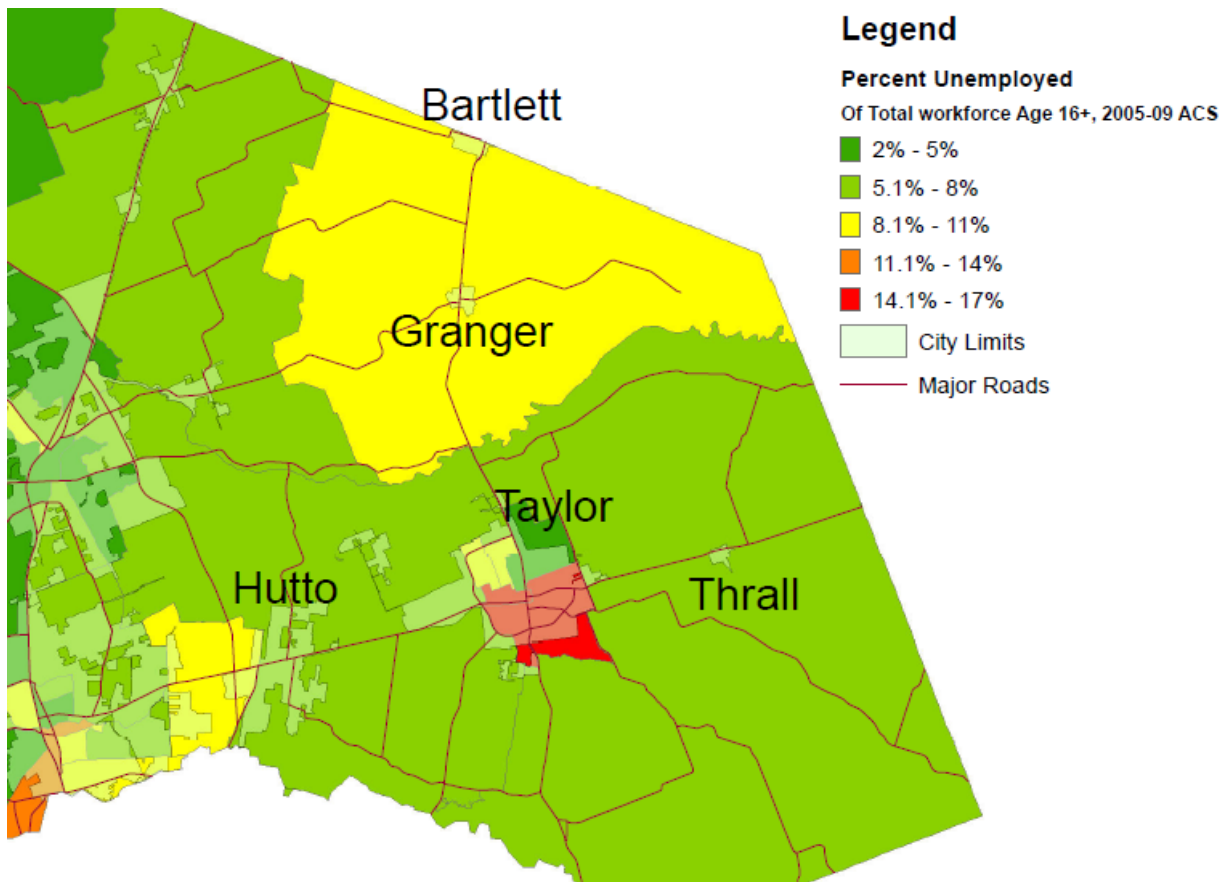
The percent of the population that speaks a language other than English at home is higher in Taylor than it is in both Hutto and Williamson County.

Source: 2005-2009 American Community Survey (ACS).

Error bars represent a 90% confidence interval.



Unemployment:



Unemployment is highest in the south side of Taylor and lowest in the northeast portion of Taylor. Source: 2005-09 ACS.

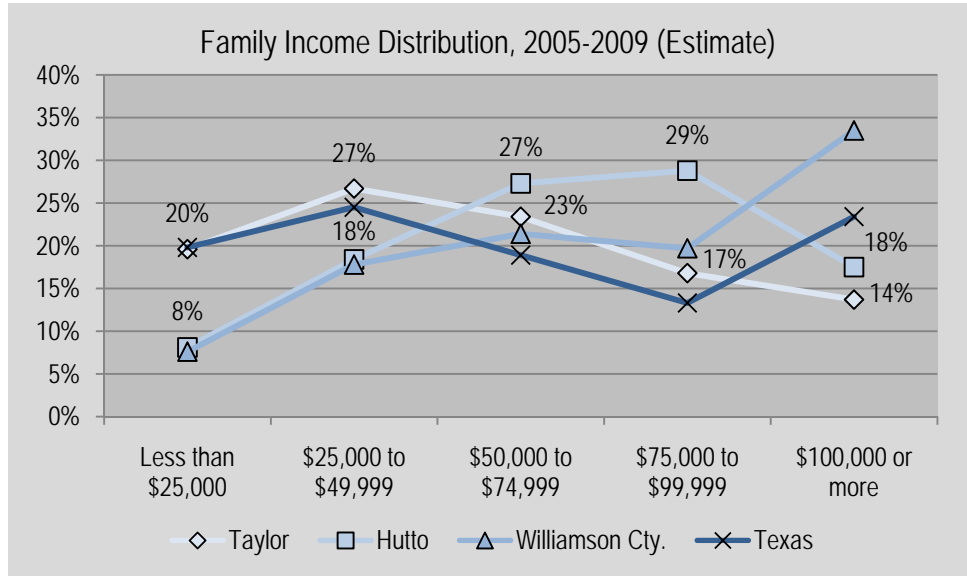


Population Demographics (cont.)

Income Distribution:

In Taylor, the percent of families receiving less than \$50,000 per year is slightly higher than the percent in the state of Texas. In Hutto and Williamson county, the percent of families receiving more than \$50,000 is greater than the percent in the state.

Source: 2005-2009 ACS.

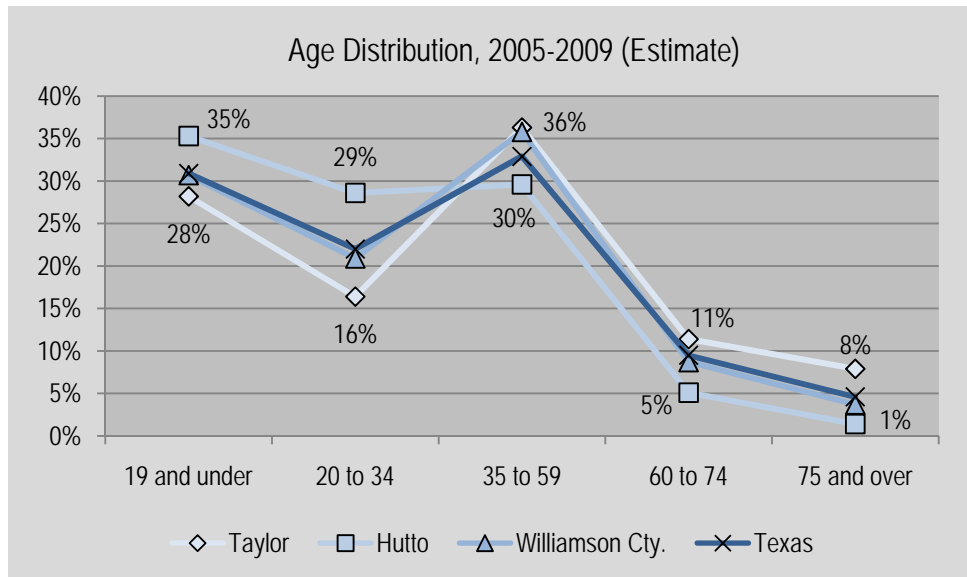


Age Distribution:

The median age in Hutto is 29.4, while the median age in Taylor is 38.7.

The median age in Williamson County is 34 years and in Texas it is 33 years.

Source: 2005-2009 ACS.





Population Demographics (cont.)

Education:

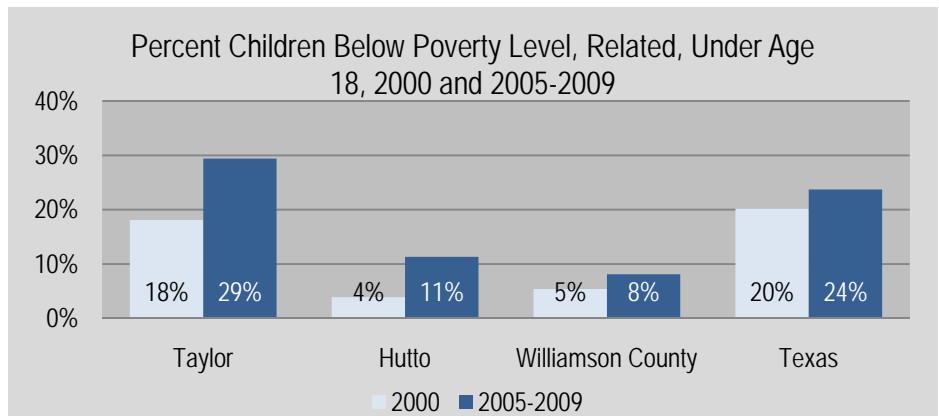
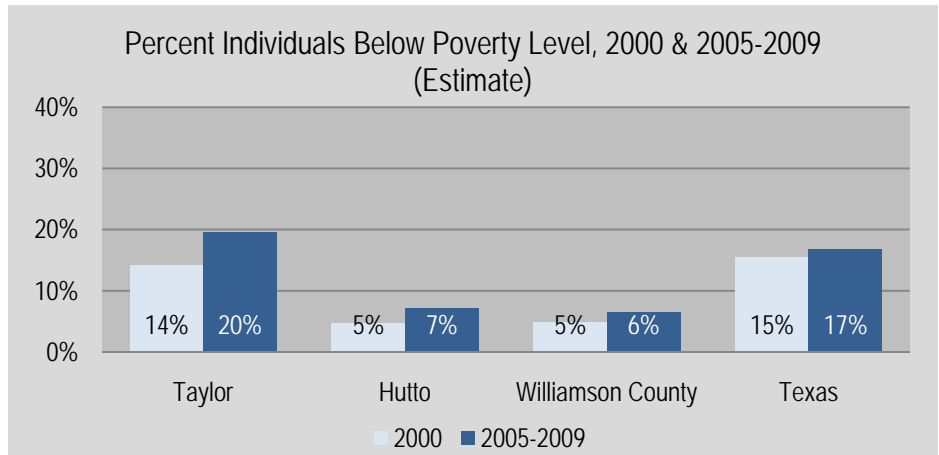
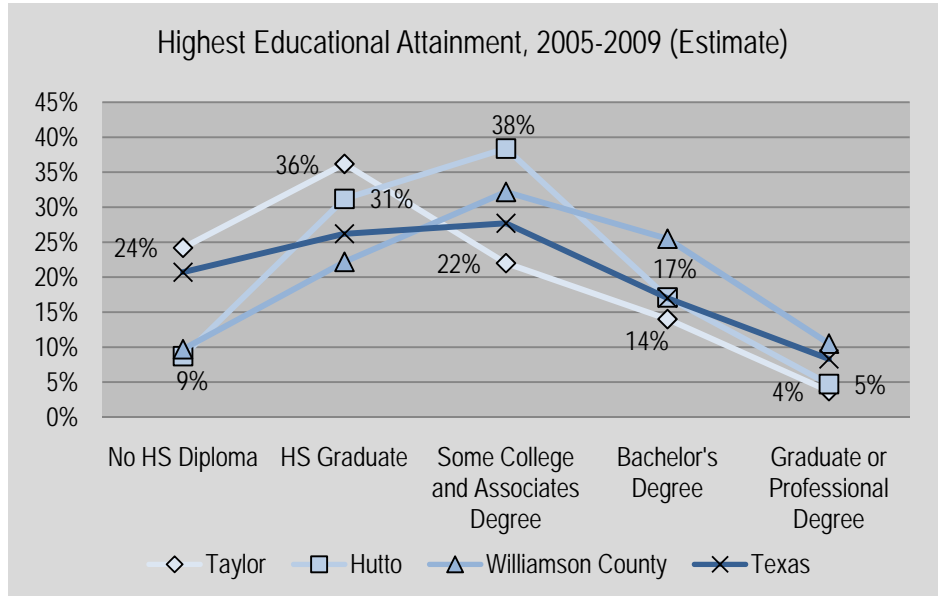
In Hutto, 60% of residents have some college education or more. In Taylor, 40% have some college education or more. Source: 2005-2009 ACS.

Poverty Level:

The percent of people living in poverty has increased in Texas, the County, and in Taylor and Hutto. It has increased the most in Taylor, where 20% of individuals live at or below the poverty level.

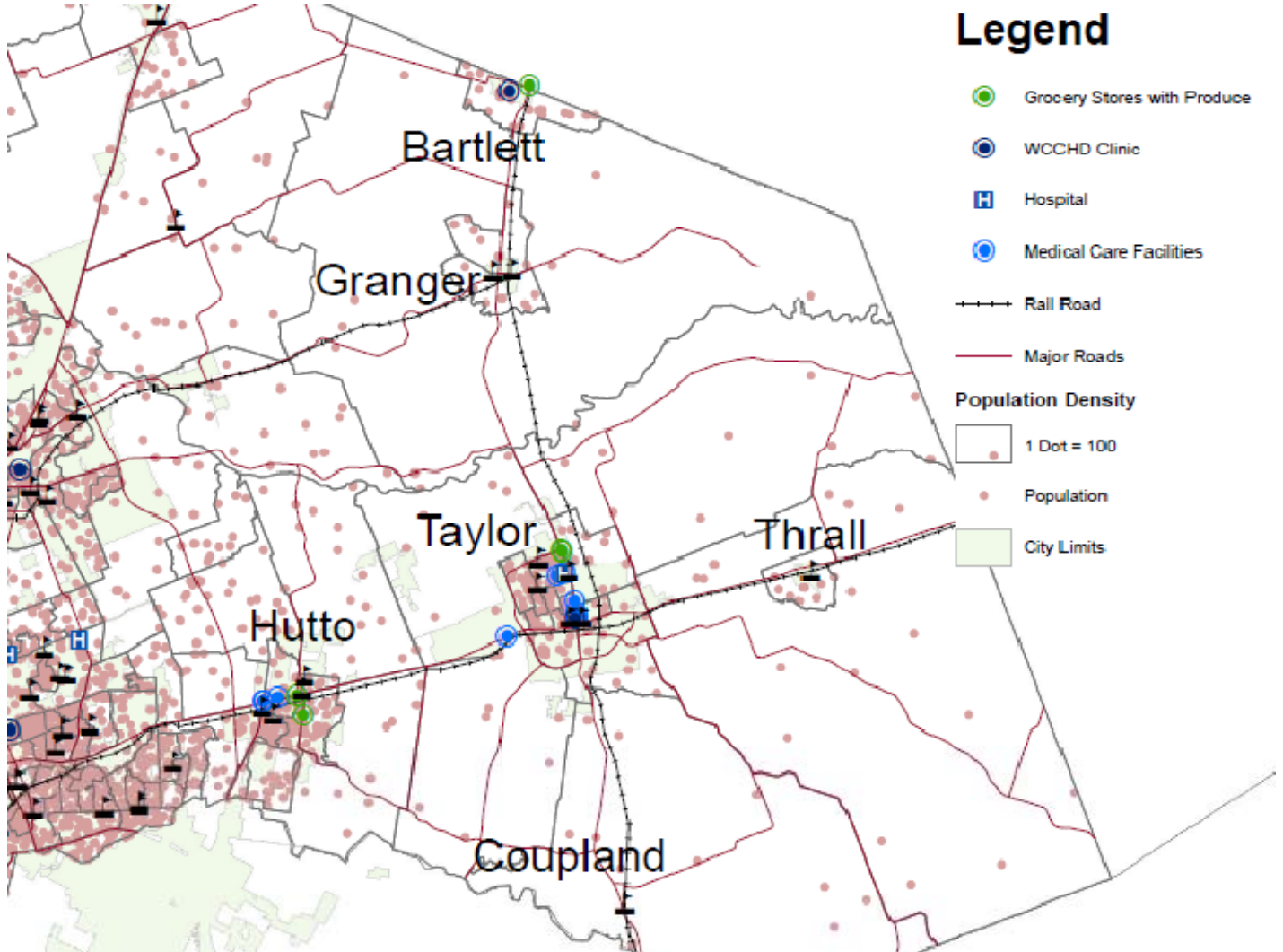
In Taylor, 29% of children under the age of 18 live at or below the poverty level. In Hutto, 11% live at or below the poverty level (2005-2009 ACS).

Source: 2000 Census and 2005-2009 ACS.





Food and Medical Care Asset Map



This map depicts the population distribution of Williamson County by census block group in 2010.

Locations of Grocery Stores with Produce:

Two large food retail outlets are located on the far north side of Taylor. The south side of Taylor, which is divided from the north side by a railroad and highway, has a higher percent of the population that lives at or below the poverty level. Access to fresh produce for individuals in this area may be limited.

Hutto has no large-scale food retailers, but does have two small food sellers that sell produce. Granger and Thrall do not have food outlets that sell produce. Bartlett has a small grocery with produce in the central part of town.

Medical Care:

One hospital is located on the north side of Taylor. Medical clinics are located in Hutto and Taylor only. Each of these towns has an indigent care clinic operated by Lone Star Circle of Care.



Vital Statistics - Maternal and Child Health

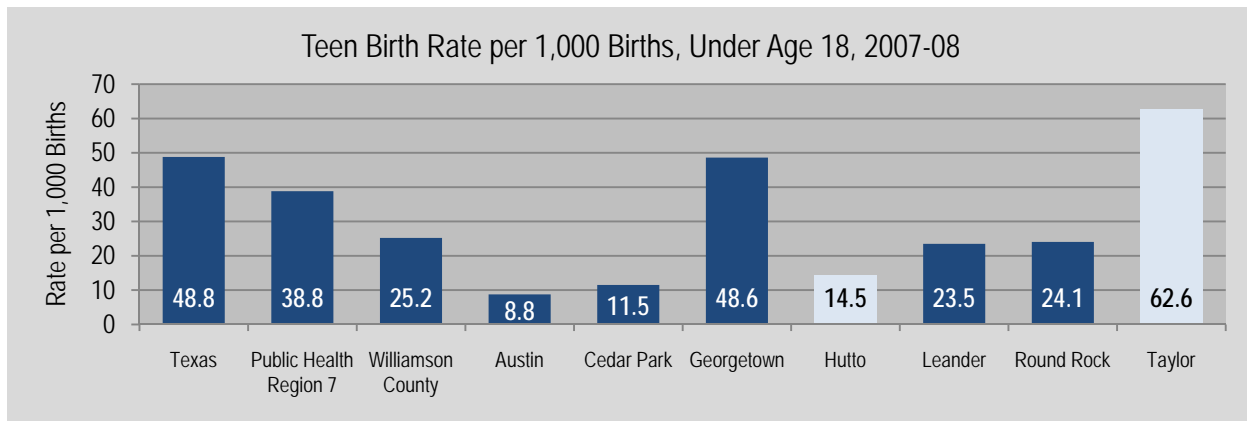
All Births, Taylor and Hutto Residence, 2007-08:

(Source: Texas Department of State Health Services)

Race/Ethnicity	Taylor		Hutto	
	Number	Percent	Number	Percent
White	226	40.4%	468	56.7%
African American	47	8.4%	58	7.0%
Hispanic	275	49.2%	276	33.4%
Other	11	2.0%	24	2.9%
Total Births	559	100%	826	100%

Births to Mothers Under Age 18, Taylor and Hutto Residence, 2007-2008*:

	Taylor					Hutto				
	White	African American	Hispanic	Other	Total	White	African American	Hispanic	Other	Total
Births to Mothers Under 18	9	6	20	0	35	4	1	7	0	12
Total Births, All Ages	226	47	275	11	559	468	58	276	24	826
Rate per 1,000 Births	39.8	127.7	72.7	NA	62.6	8.5	17.2	25.4	NA	14.5



The teen birth rate (births to mothers under age 18) in Taylor was 62.6 per 1,000 births in 2007-08. By race/ethnicity, the rate was highest in Taylor among African American and Hispanic mothers. This rate is higher than the Texas rate (48.8 per 1,000 births). The rate in the central Texas public health region (Region 7) was lower at 38.8 per 1,000 births, as was the rate in Williamson County (25.2 per 1,000 births). The teen birth rate in Hutto was lower than the Williamson County and state rate at 14.5 per 1,000 births.

* Data is based on mother's place of residence including city limits and cities extra territorial jurisdiction. City data represents population within Williamson County for all cities except Cedar Park, Leander, and Round Rock; in these three cities, mothers residing in Travis County are included in the analysis.

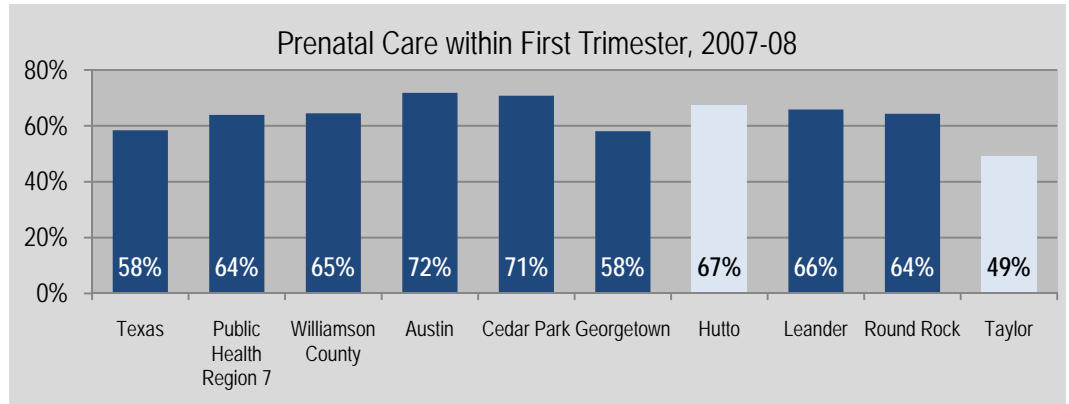


Vital Statistics - Maternal and Child Health (cont.)

Onset of Prenatal Care within the First Trimester, Taylor and Hutto Residence, 2007-2008*:

	Taylor					Hutto				
	African American	Hispanic	Other	White	Total	African American	Hispanic	Other	White	Total
Prenatal Care 1 st Trimester	12	109	5	150	276	35	149	15	358	557
Total Births	47	275	11	226	559	58	276	24	468	826
Percent	25.5%	39.6%	45.5%	66.4%	49.4%	60.3%	54.0%	62.5%	76.5%	67.4%

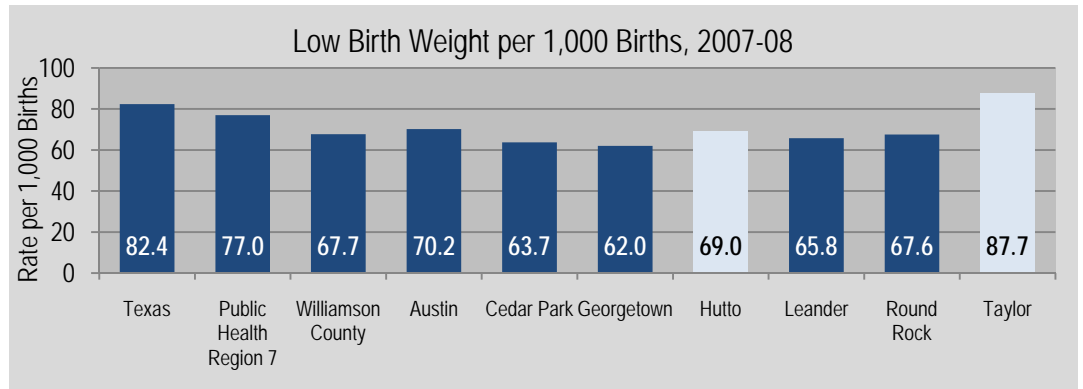
In Taylor, 49% of mothers received prenatal care in the first trimester, well below the percent in Williamson County (65%). In Hutto, 67% of mothers received parental care in the first trimester.



Low Birth Weight, Taylor and Hutto Residence, 2007-2008*:

	Taylor					Hutto				
	White	African American	Hispanic	Other	Total	White	African American	Hispanic	Other	Total
Low Birth Weight Births	16	10	22	1	49	28	14	15	0	57
Total Births	226	47	275	11	559	468	58	276	24	826
Rate Per 1,000 Births	70.8	212.8	80.0	90.9	87.7	59.8	241.3	54.3	NA	69.0

In Taylor, the rate of births with low birth weight (87.7) was higher than the rate in Williamson County (67.7). In Hutto, the rate was 69.0, which is lower than the county rate.

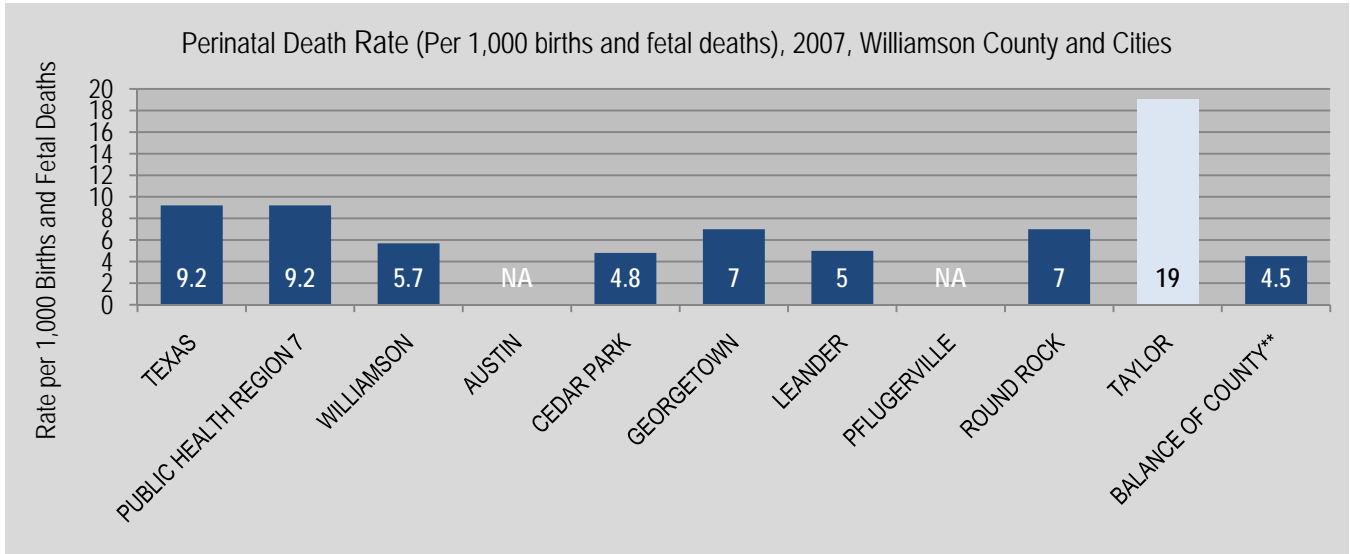


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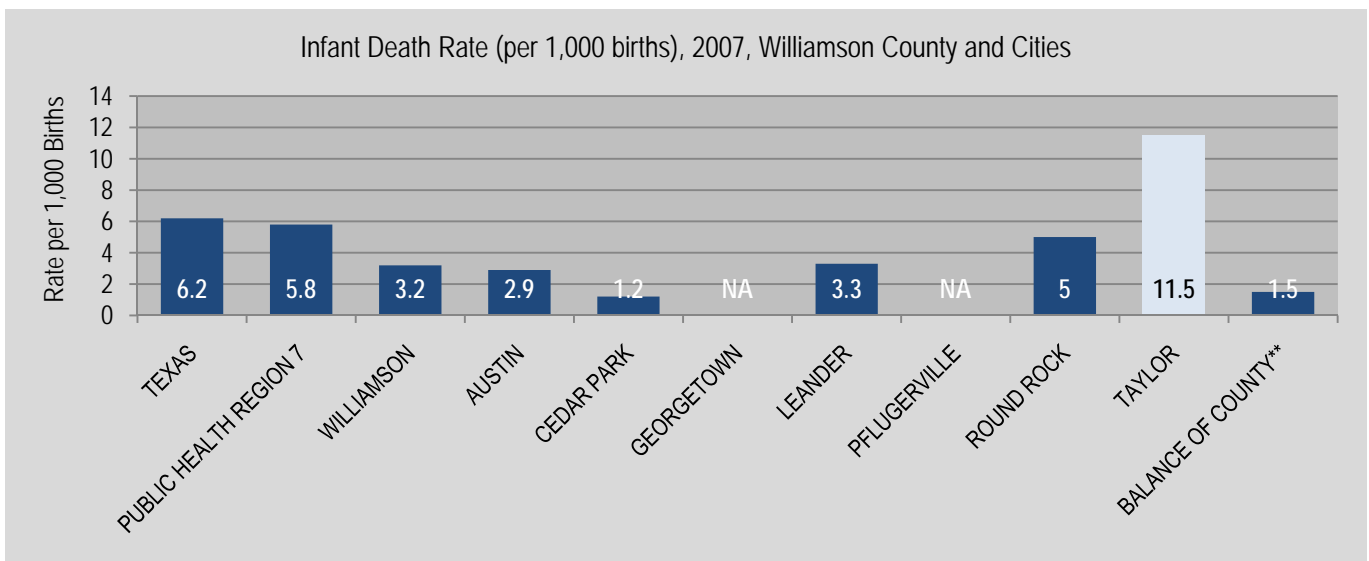


Vital Statistics - Maternal and Child Health (cont.)

Perinatal Death Rate, 2007, Williamson County and Cities***:



Infant Death Rate, 2007, Williamson County and Cities***:



**The Balance of County represents population not included in one of the cities already shown. These are typically those residing outside of city limits or in smaller towns.

*** Data is accurate based on available data on 1/15/2010. The number of births in the county is the same as reflected in earlier charts. However, a small percent of individuals have a different city of residence listed in the 1/15/2010 data file. Data is based on mother's city of residence.



Mortality Data (Cause of Death)

(Source: Texas Department of State Health Services)

Mortality Rates:

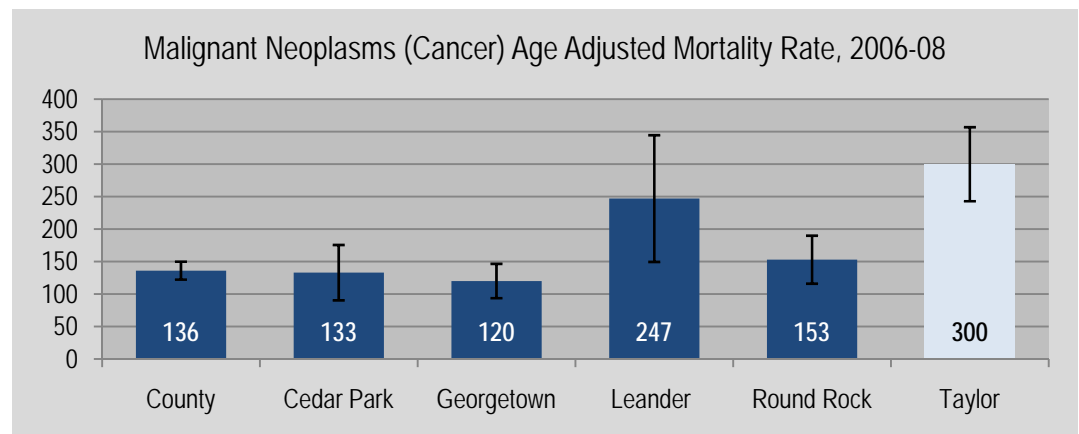
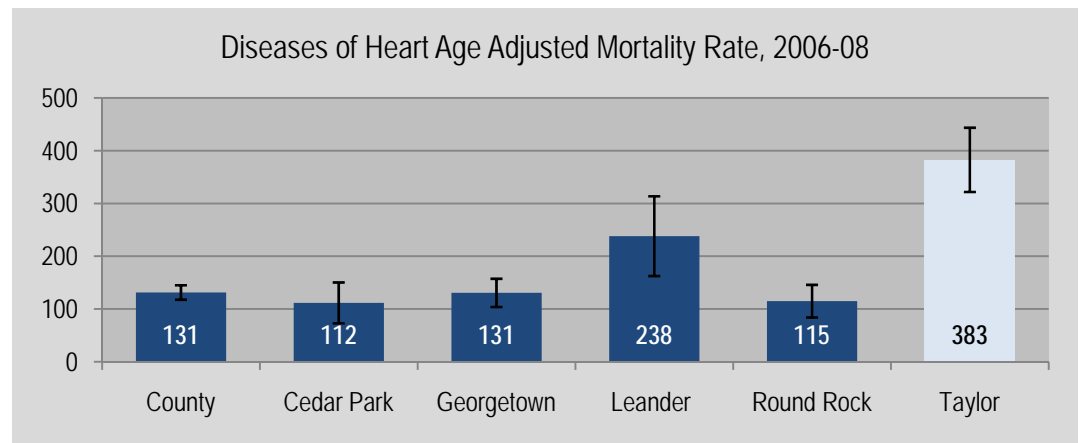
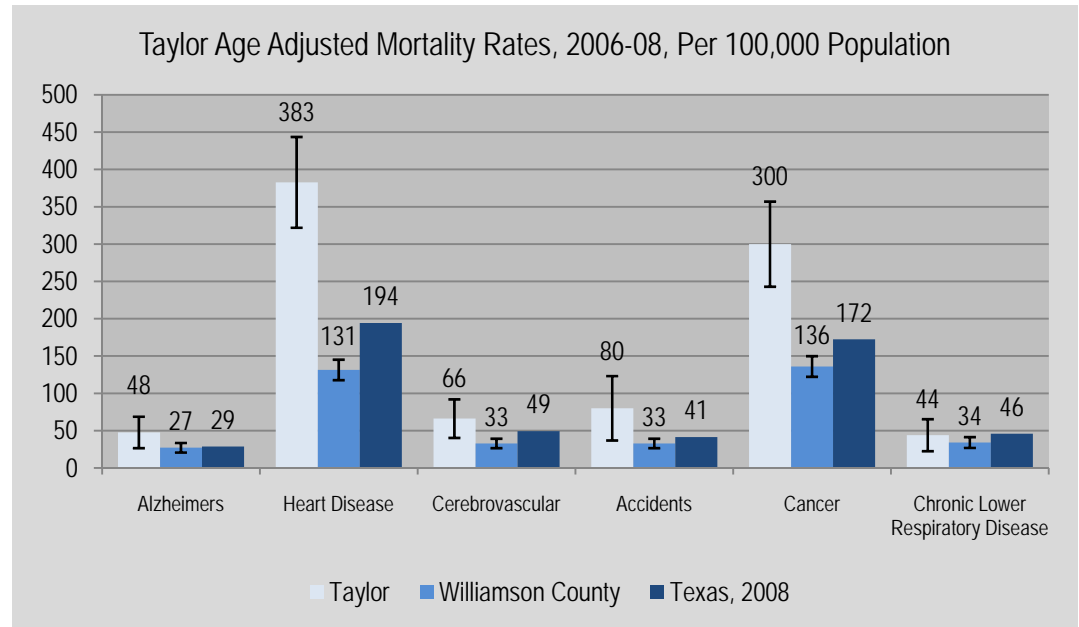
In Taylor, heart disease is the cause of death with the highest age adjusted rate (383), which represents 28% of deaths. The cancer age adjusted rate represents 22% of deaths, and has an age adjusted rate of 300.

The two leading causes of death in Williamson County are heart disease and cancer. Taylor’s age adjusted cancer mortality rate is much higher than the county rate (300 in Georgetown and 136 in Williamson County). The age adjusted heart disease mortality rates is also much higher in Taylor (383 in Taylor and 194 in Williamson County).

During 2006-2008, the deaths of 20 Taylor residents were caused by an accident.

Technical Notes: Too few deaths occurred in Hutto to report mortality statistics. All mortality rates are age adjusted to the standard 2000 US population. Rates are created using 2005-09 population estimates for places. All estimates are given a 95% confidence interval.

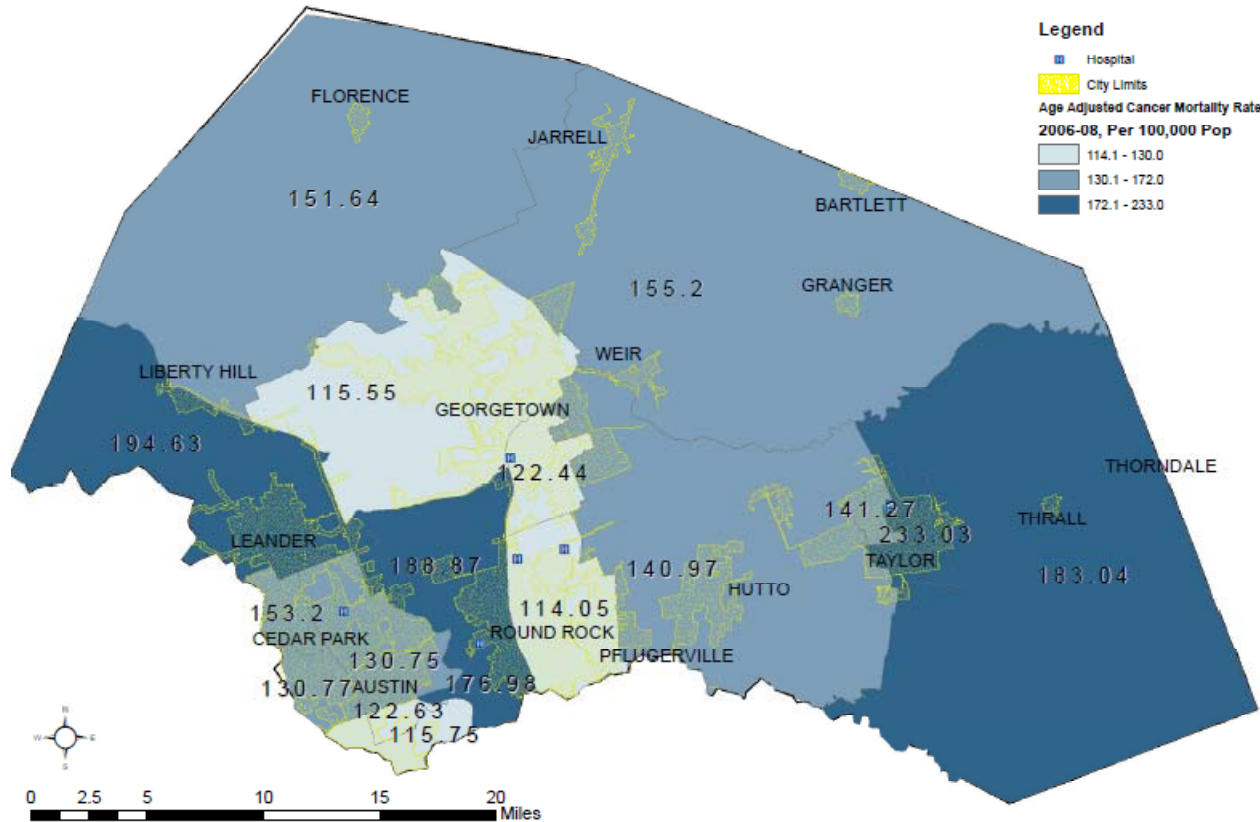
Source: Texas Department of State Health Services, Vital Statistics Unit





Mortality Data (Cause of Death), (cont.)

Cancer Mortality Rate Per 100,000 Population, by Census Tract Group:



Cancer Mortality Rates Map:

The age adjusted cancer mortality rate for Texas in 2008 was 172.4. The highest cancer mortality rate in Williamson County for 2006-08 was seen in the southern and eastern part of Taylor (233.03). Other areas of with a relatively high cancer mortality rate are northern Leander and Liberty Hill (194.63), the western part of Round Rock (188.87), and the southeastern part of Williamson County (183.04).

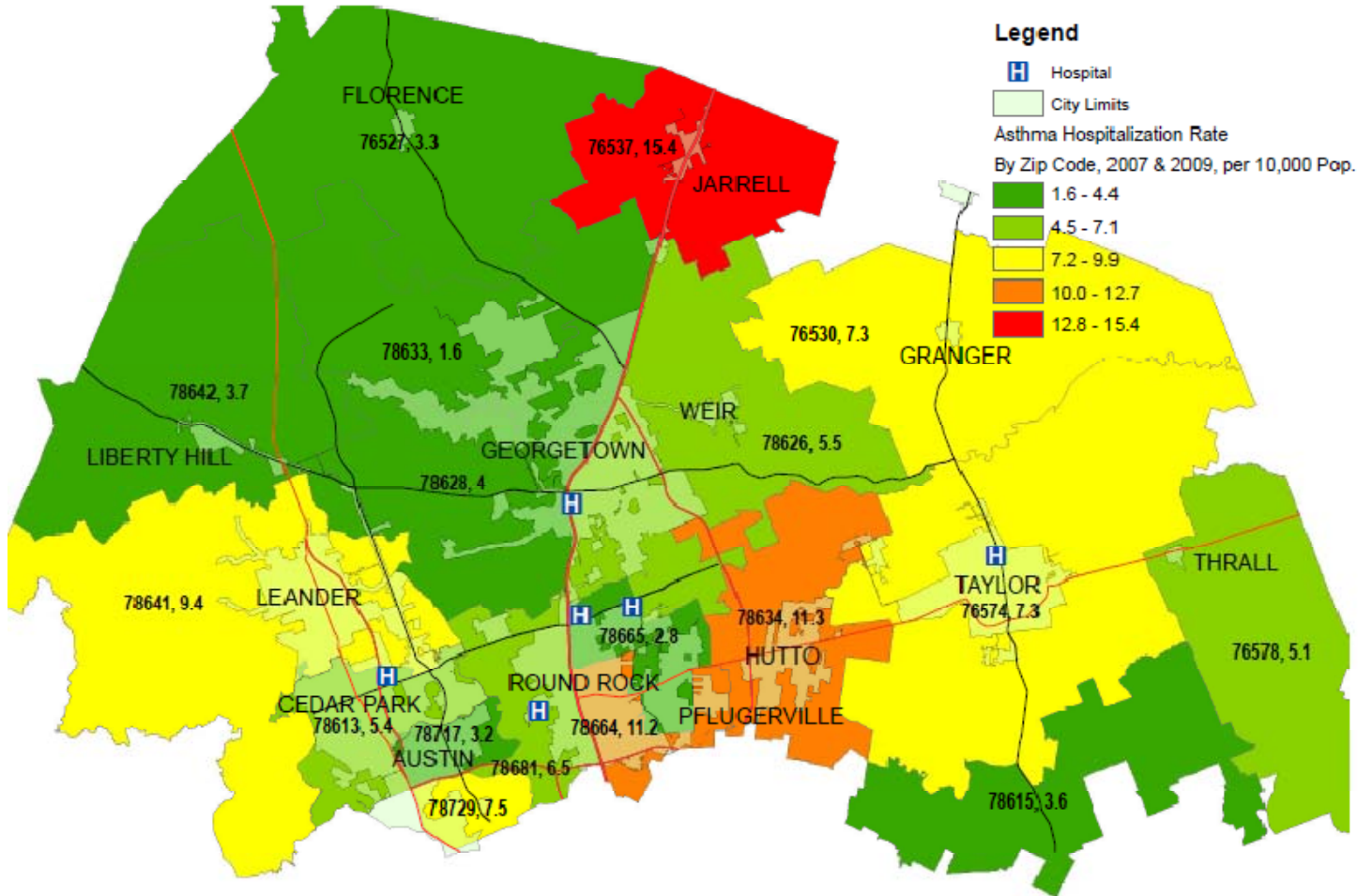
All mortality rates are age adjusted to the standard 2000 US population. Rates are created using 2005-09 population estimates for places.

Technical Notes on the map: Rates were created by combining cause of death data for 2000 census tracts. Each census tract was combined with at least one adjacent tract until each group had over 25 deaths due cancer. Each age adjusted mortality rate has a coefficient of variation of under .30.



Hospital Discharge Data – Chronic Disease (cont.)

Hospitalization Rate Due to Asthma, Crude, 2007 & 2009



Data Analysis:

Hospital discharge data from 2007 to 2009 for residents of Williamson County was analyzed to determine the rate of hospitalization for asthma by zip code. Hutto, the southeastern part of Round Rock, and Jarrell have the highest rate of hospitalization for asthma. The age-adjusted asthma hospitalization rate in 2007 for Texas was 10.9.

Source: *Texas Hospital Inpatient Discharge Public Use Data File*, [2007 & 2009]. Texas Department of State Health Services, Center for Health Statistics, Austin, Texas.



Child Health

Type 2 Diabetes Measurement, Taylor ISD and Hutto ISD:

The Risk Assessment for Type 2 Diabetes in Children is a legislatively mandated program developed, coordinated, and administered by The University of Texas-Pan American Border Health Office (BHO). The program assesses children who may be at high risk of developing Type 2 diabetes. During vision/hearing and scoliosis screenings of 1st, 3rd, 5th, 7th, and 9th graders, certified individuals assess children for the acanthosis nigricans (AN) marker, a skin condition that signals high insulin levels. Children who are identified with the marker undergo additional assessments of body mass index (BMI), BMI percentile, and blood pressure. Referrals to a health care professional for further assessment are issued to the parents of these children, alerting each parent of what the risk factors are and what changes will be necessary to prevent or delay future health problems for children at risk of developing type 2 diabetes and other health conditions. Source: Texas Risk Assessment for Type 2 Diabetes.

Hutto has a referral rate below the regional average, while Taylor has a referral rate twice the regional average.

Referrals for Type 2 Diabetes Risk:

School District/Region	School Year									Percent Referred, Three Year Average
	2010-11			2009-10			2008-09			
	Referred	Assessed	Percent	Referred	Assessed	Percent	Referred	Assessed	Percent	
Taylor	41	723	5.7%	41	687	6.0%	96	666	14.4%	8.6%
Hutto	17	1,285	1.3%	62	2,280	2.7%	76	2,014	3.8%	2.8%
Region 13 (Central Texas Counties)	4,316	101,942	4.2%	4,829	119,382	4.0%	3,741	81,522	4.6%	4.3%



Fitnessgram, Taylor ISD and Hutto ISD:

Fitnessgram is a fitness assessment that is legislatively mandated for use in all Texas public schools. Students complete an assessment that includes a variety of health-related physical fitness tests that assess aerobic capacity; muscular strength, muscular endurance and flexibility; and body composition. Scores from these assessments are compared to Healthy Fitness Zone standards to determine students' overall physical fitness. Standards are based on levels of fitness needed for good health as determined by the Fitnessgram creators at the Cooper Institute. Source: Texas Education Agency.

82% of Hutto ISD and 85 % Taylor ISD students in grades 3 through 12 completed the Fitnessgram assessment. In Hutto ISD, 57% of these students achieved the health fitness zone in at least 5 of the areas tested, while 47% reached this goal in Taylor ISD. Comparatively, 56% of assessed Round Rock students (87% assessed) and 67% of assessed Leander ISD students (93% assessed) achieved the health fitness zone in at least 5 areas.

