

Wise County

M.A.D.P.

Monitoring & Assessment Demonstration Project



Community Health Report *2000-2001*



Tarrant County Public Health
Epidemiology and Health Information



**Wise County
Monitoring & Assessment
Demonstration Project
Community Health Report
2000-2001**



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Preface

The Wise County community health report is a result of the Monitoring and Assessment Demonstration Project (M.A.D.P.) conducted by Texas Department of Health's Public Health Improvement Team and Tarrant County Public Health in collaboration with the community of Wise County. The M.A.D.P. is a component of the Tarrant County Monitoring and Assessment Project, the major part of which was completed in 2003. The M.A.D.P. is designed to provide Wise County with an indication of their health status as well as serve as a baseline for an accurate assessment of Wise County's progress toward health-related objectives.

Tarrant County Public Health's Monitoring and Assessment Project team commenced work in October 2001 to select pertinent health indicators for Tarrant County, investigate different data sources and collect relevant information to construct a community health profile. The report card was completed and launched in August 2003 and the comprehensive community health report with 56 indicators was completed in 2004. The M.A.P. was supported by a Texas Department of Health (TDH) Innovation grant awarded to Tarrant County in August 2001. The original intent of the project was to construct a comprehensive community health profile for Tarrant County in the first two years, provide technical assistance to one or more neighboring rural counties to produce a health status report tailored to the needs of that county and produce a technical guide for other local health departments in collecting, analyzing and reporting sub-county level data in the second two years. The rural county chosen for piloting of this project was Wise County. However, the funding for the project was not continued beyond the first two years and the pilot was reduced to a demonstration project with thirteen pertinent indicators for Wise County.

In August 2003, TCPH began working on the Monitoring and Assessment Demonstration Project (M.A.D.P.) for Wise County. This report is based upon a selection of Texas Strategic Health Status Indicators (TSHSI), derived from a project done by the Texas Department of Health. These indicators were adapted for Wise County and geocoded on a sub-county level using Geographic Information System technology. The community health report gives an overall assessment of the health of Wise County residents. For each indicator, Wise County is compared to Tarrant County, Texas, the United States and Healthy People 2010 objectives as the benchmark.

The M.A.D.P. was implemented with input provided by community stakeholders in the selection of health indicators and direction was provided to tailor the project toward the community's health needs. Data used in this health report include data collected by TDH and other sources.

The community health report provides the citizens of Wise County and developing community partners with a glimpse of the health of Wise County. It may serve as a catalyst for more comprehensive health reports that will assist in assessing Wise County's progress towards health-related objectives.

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We thank our community partners and organizations who shared data with us.
(List in Appendix C)



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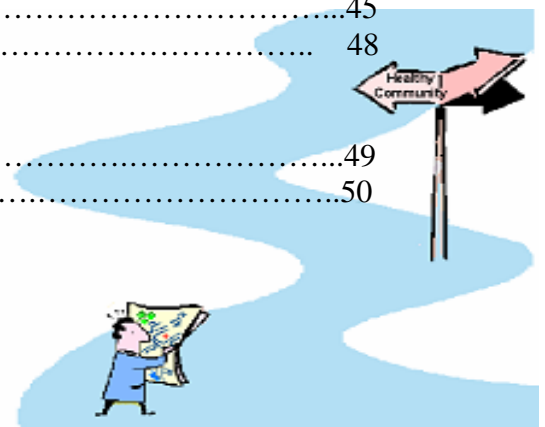
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Introduction

M.A.D.P. is an initiative conducted by Texas Department of Health's Public Health Improvement Team and Tarrant County Public Health in collaboration with the community of Wise County. The purpose is to establish a baseline for an accurate assessment of Wise County's progress toward health-related objectives. The health indicators in this report are based on the Texas Strategic Health Status Indicators (TSHSI) project of the Texas Department of Health (TDH). TSHSI seeks to provide comparable regularly updated data on the health status for all Texas counties. Thirteen indicators were selected for the Wise County Demonstration Project and five were geocoded on a sub-county level using Geographic Information System (GIS) technology. These health indicators were matched to the Healthy People 2010 benchmarks as well as compared with Tarrant County, Texas and the nation to assess the health status of Wise County residents.

This report includes baseline information on these domains for 2000 and comparison data for 2001.

In this report, the core indicators focus on four domains:

- ◆ **Domain I. Community Profile**
 - demographic and socioeconomic data
- ◆ **Domain III. Chronic Diseases**
 - cardiovascular disease mortality, cancer mortality, chronic obstructive pulmonary disease mortality
- ◆ **Domain IV. Infectious Diseases**
 - STDs, body fluid-borne pathogens, tuberculosis
- ◆ **Domain VII. Injury**
 - intentional injuries, unintentional injuries

Community Profile - Definitions and Data Sources

❖ Demographic and Socioeconomic Data

1. Population Distribution

- Population distribution by age, sex, and race/ethnicity for the year 2000, 2001 population estimates and five year projection
- Data source – Census 2000, 2001 population estimate, Texas population estimates and projections program

2. Poverty

- Percentage of population below poverty level
- Data source – Census 2000

3. Per Capita Income

- Median income per capita
- Data source – Census 2000

4. Educational Attainment

- Educational attainment of population 25 and older
- Data source – Census 2000

5. All Cause Mortality Rate

- Numerator – Total number of deaths in 2000 and 2001
- Denominator – Census 2000 population and 2001 population estimate
- Rate – per 100,000, age adjusted to the 2000 standard population
- Source – TDH Bureau of Vital Statistics

Demographics and Socioeconomic data

Indicator I-1. Population Distribution

Wise County had a total population of 48,793 in 2000 which increased by 3.3 percent in 2001 (Table 1). According to the 2000 Census, Wise County is the 55th largest county in Texas. The median age of 35.5 in Wise County is equivalent to the national average median age of 35.3 years, and three years older than that of Tarrant County (32.5). Whites in Wise County represent 86.9 percent of the population (Table 3) while nationally Whites represent 75.1 percent of the nation.

Table 1: Wise County Population by Gender

	2000		2001		Change (2000 ~ 2001)	Projections 2006
	Number	Percent	Number	Percent		
Male	24,580	50.4%	25,404	50.4%	2.3% increase	27,433
Female	24,213	49.6%	24,999	49.6%	3.2% increase	27,048
Total	48,793	100.0%	50,403	100.0%	3.3% increase	54,491

Table 2: Wise County Population by Age

	2000		2001		Change (2000 ~ 2001)	Projections 2006
	Number	Percent	Number	Percent		
Age 0 to 4	3,317	6.7%	3,395	6.7%	2.4% increase	3,649
Age 5 to 19	11,763	24.1%	12,284	24.4%	4.4% increase	12,563
Age 20 to 34	8,921	18.3%	8,976	18.7%	.6% increase	9,752
Age 35 to 54	14,932	30.6%	15,552	31.1%	4.2% increase	16,613
Age 55 to 74	7,669	15.7%	8,005	15.9%	4.4% increase	9,483
Age 75+	1,921	3.9%	2,191	4.3%	14.4% increase	2,431

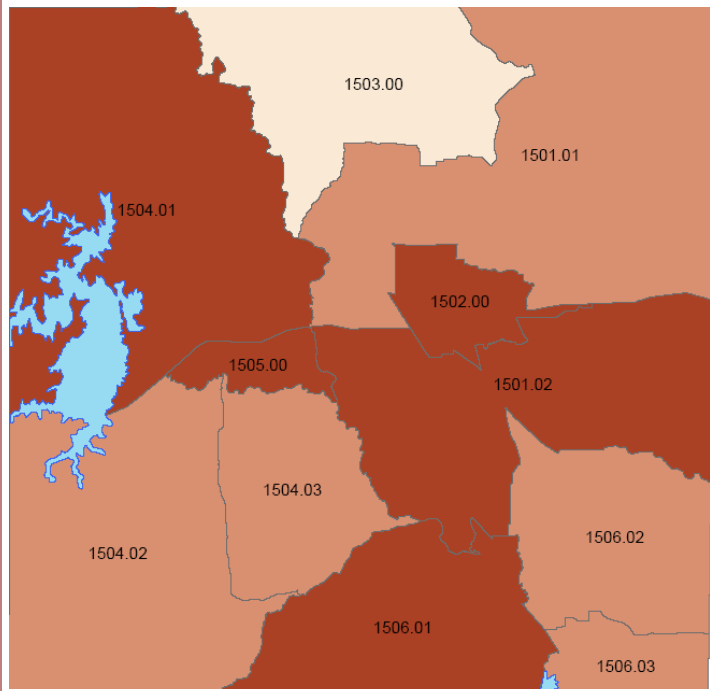
Table 3: Wise County Population by Race/Ethnicity

	2000		2001		Change (2000 ~ 2001)	Projections 2006
	Number	Percent	Number	Percent		
White	42,395	86.9%	43,644	86.6%	2.9% increase	46,560
Black	648	1.3%	657	1.3%	1.4% increase	683
Hispanic	5248	10.8%	5509	11.0%	5.0% increase	6,706
Other	502	1.0%	513	1.0%	2.2% increase	542

Data Source: Census 2000, Texas Population Estimates and Projections

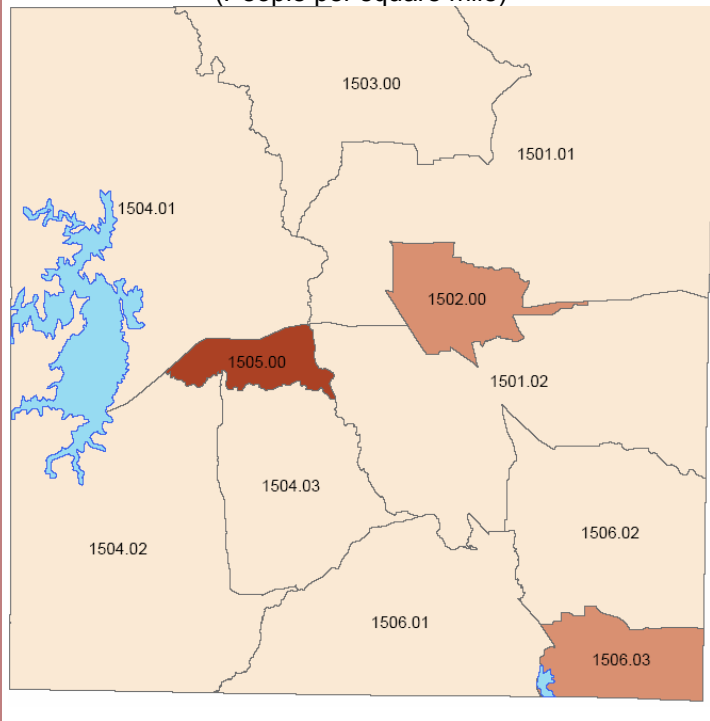
Geographic Distribution of Population and Population Density





Fig 1: Wise County Population Distribution by Census Tract, 2000



According to the U.S. Census 2000 (fig. 1) the population of Wise County is evenly dispersed. Census tracts in the central and southeast are of relatively heavier density (fig. 2).

Fig 2: Wise County Population Density, 2000 (People per square mile)



Legend	Population Distribution	Population Density*
 Highest Third	4,826-7,311	247.70-375.28
 Middle Third	2,414-4,825	123.85-247.69
 Lowest Third	2,105-2,413	17.79-123.84
 Water		
*Population density: Number of people per square mile		



Comparison with Tarrant County, Texas and the United States

According to census estimates, the population of Wise County increased by 3.3 percent in 2001, while Tarrant County increased by 2.8 percent and Texas population increased by 2.3 percent (Table 4). In contrast, the nation's population is estimated to have decreased by 1.6 percent in 2001. However, the most current population estimate of 291,820,400 for the United States as of August 2003, is 5 percent more than that of the 2001 estimate.

	2000	2001	Change (2000~2001)
Wise	48,793	50,403	3.3% increase
Tarrant	1,446,219	1,486,771	2.8 % increase
Texas	20,851,820	21,325,018	2.3 % increase
U.S.	281,421,906	277,017,622	1.6 % decrease

Data Source: Census 2000, 2001 population estimates

Indicator I-2. Poverty

The percent of individuals at or below the federal poverty level in Wise County was comparable in 2000 and 2001 (Table 5). Poverty was highest for people belonging to two or more races followed by Blacks, other races and Hispanics (Table 6 and 7). The proportion of children ages 1-17 living in a household at or below the poverty level averages over 11 percent and is higher than that for adults (Table 8). The proportion of poor single female-headed households is higher than single male-headed households and married-couple households (Table 9).

Table 5: Wise County Overall Poverty Status

	2000	2001
Population below poverty level	9.9%	10.2%

Table 6: Wise County Poverty Status by Race, 2000 *

	Number	Percent*
White	3,882	8.9%
Black	64	1.6%
Asian	3	2.7%
Other	607	20.1%
2 or more Race	133	15.8%

* Percent in each race group

Table 7: Wise County Poverty Status by Ethnicity *

	Number	Percent
Hispanic	1,005	20.1%
Non-Hispanic	3,684	7.7%

* Percent in each ethnic group

Table 8: Wise County Poverty Status by Age *

	Number	Percent
Under 5 years	489	14.7%
5 years	77	11.4%
6 to 11 years	542	11.4%
12 to 17 years	456	9.0%
18 to 64 years	2,611	8.8%
65 to 74 years	243	8.1%
75 years and older	271	12.4%

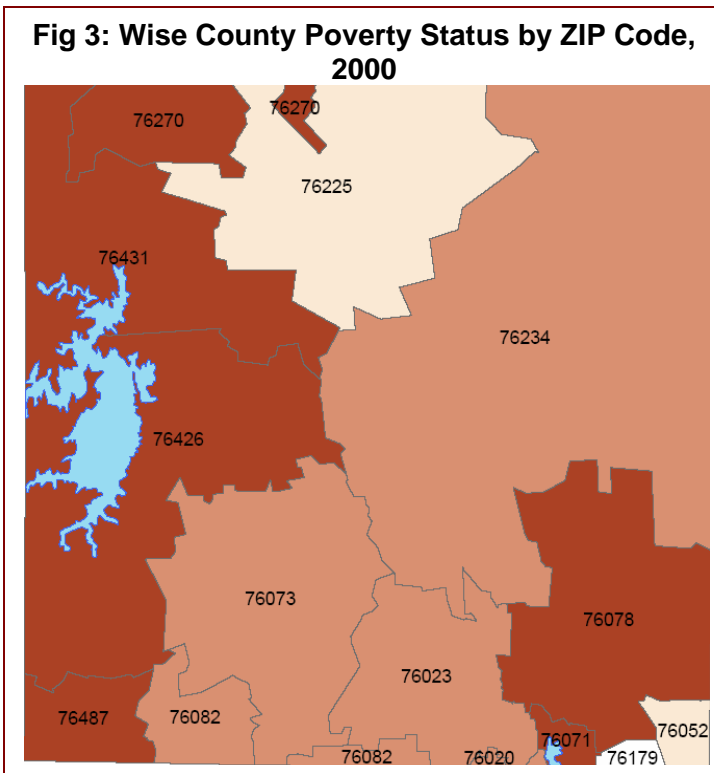
* Percent in the each age group

Type of Family	Number	Percentage
Married-Couple Families	682	5.9%
Male Householder, no wife present	64	10.3%
Female Householder, no husband present	270	21.5%






* Percent in the corresponding family type

*Data Source: Census 2000

Geographic Distribution of Poverty



Percent of population at or below the poverty level in Wise County is highest in ZIP Codes 76270, 76431, 76426, 76487, and 76078 located in northwest, southwest and southeast Wise County.

Legend	2000
 Highest Third	11% - 15%
 Middle Third	6% - 10%
 Lowest Third	1% - 5%
 No Case or no Data	
 Water	



Comparison with Tarrant County, Texas and the United States

The overall proportion of the population living at or below the poverty level in Wise County is lower than that of Tarrant County, Texas and the United States (Table 10). The opposite pattern occurs for Blacks, other races and two or more races, which have higher poverty rates than Tarrant County, Texas and the United States.

	Wise	Tarrant	Texas	U.S.
Total	9.9%	10.6%	15.5%	12.4%

	Wise	Tarrant	Texas	U.S.
White	8.9%	7.2%	12.4%	9.1%
Black	28.3%	20.5%	23.4%	24.9%
Asian	2.7%	12.2%	11.9%	12.6%
Other	27.4%	20.4%	24.9%	24.4%
2 or more races	77.5%	14.6%	19.3%	18.1%

	Wise	Tarrant	Texas	U.S.
Hispanic	20.1%	19.1%	25.4%	22.6%
Non-Hispanic	7.7%	6.8%	7.2%	10.6%

Data Source: Census 2000



There is no corresponding Healthy People 2010 objective for poverty.

Indicator I-3. Income

The average per capita income in Wise County is \$17,729 (Table 13). The per capita income is highest for Asians, followed by Whites and Others (Table 14 and 15). It is lowest for Hispanics and Blacks. Male per capita income is higher than that of females (Table 16). The largest proportion of the population has an income between \$25,000-49,999, followed by those below \$25,000. Eight percent (8%) of the population in Wise County have a family income above \$100,000 (Table 17).

Table 13: Wise County Per Capita Income	
Total	\$17,729
Table 14: Wise County per capita income by race	
White	\$18,346
Black	\$11,005
Asian	\$22,146
Other	\$13,401
2 or more races	\$11,421
Table 15: Wise County per capita income by ethnicity*	
Hispanic	\$9,820
Non-Hispanic	\$18,823
* adults aged 16 years and older.	

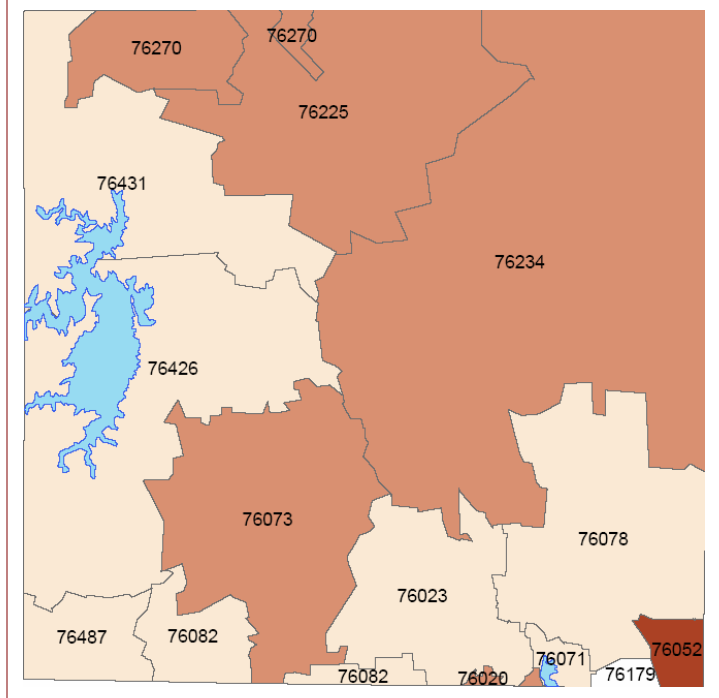
Table 16: Wise County Median Earnings by Gender*	
Male	\$29,956
Female	\$16,092
Total	\$22,540
* adults aged 16 years and older.	

Table 17: Wise County Family Income	
Income Group	Percent*
>\$25,000	28%
\$25,000-\$49,999	31%
\$50,000-\$74,999	23%
\$75,000-\$99,999	11%
\$100,000+	8%
Total	100%






Data Source: Census 2000

Geographic Distribution of Per Capita Income

Fig 4: Wise County Per capita Income by ZIP Code, 2000



Per capita income is highest in ZIP Code 76052 on the southeast border of Wise County. Per capita income is lowest in ZIP Codes 76431, 76426, 76487, 76082, 76023, 76078 and 76071 in Wise County.

Legend	2000
 Highest Third	\$ 22,001- \$ 27,000
 Middle Third	\$ 18,001 – \$ 22,000
 Lowest Third	≤ \$ 16,000-18,000
	No Case or no Data
	Water



Comparison with Tarrant County, Texas and the United States

Per capita income is lower in Wise County than in Tarrant County, Texas and the United States (Table 18). This pattern occurs for all races except Asians and other races who have a higher per capita income in Wise County than Tarrant County, Texas or the United States (Tables 19 and 20).

Table 18: Per capita Income				
	Wise	Tarrant	Texas	U.S.
Total	\$17,729	\$22,548	\$19,617	\$21,587
Table 19: Per capita Income by Race				
	Wise	Tarrant	Texas	U.S.
White	\$18,346	\$27,764	\$22,282	\$23,918
Black	\$11,005	\$15,823	\$14,253	\$14,437
Asian	\$22,146	\$18,291	\$20,956	\$21,823
Other	\$13,401	\$11,593	\$10,438	\$11,180
2 or more races	\$11,421	\$13,525	\$12,700	\$13,405
Table 20: Per capita Income by Ethnicity				
	Wise	Tarrant	Texas	U.S.
Hispanic	\$9,820	\$11,938	\$10,770	\$12,111
Non-Hispanic	\$25,155	\$19,614	\$14,552	\$19,853

*Data Source: Census 2000



There is no corresponding Healthy People 2010 objective for per capita income.

Indicator I-6. Educational Attainment

Educational attainment is defined as the completion of a high school education among individuals 25 and older. The overall educational attainment for Wise County is 76.1 percent. (Table 21). Educational attainment was highest for Asians followed by Blacks and Whites. Within each racial/ethnic group, educational attainment was comparable between males and females except among Blacks, Asians and two or more races (Table 22). Among all males, educational attainment was highest for Asian males. Educational attainment is higher in Hispanic and Black females than males (Table 22).

Table 21: Wise County Educational Attainment by Race, 2000 *

	Male	Female	Total
White	77.5%	78.2%	77.8%
Black	31.3%	95.5%	81.2%
Asian	100%	76.0%	85.2%
2 or more races	77.7%	69.3%	72.8%
Other	37.2%	41.4%	39.0%
Total	75.4%	76.7%	76.1%

* Percent of adults who completed high school education or more within each race group

Table 22: Wise County Educational Attainment by Ethnicity, 2000*

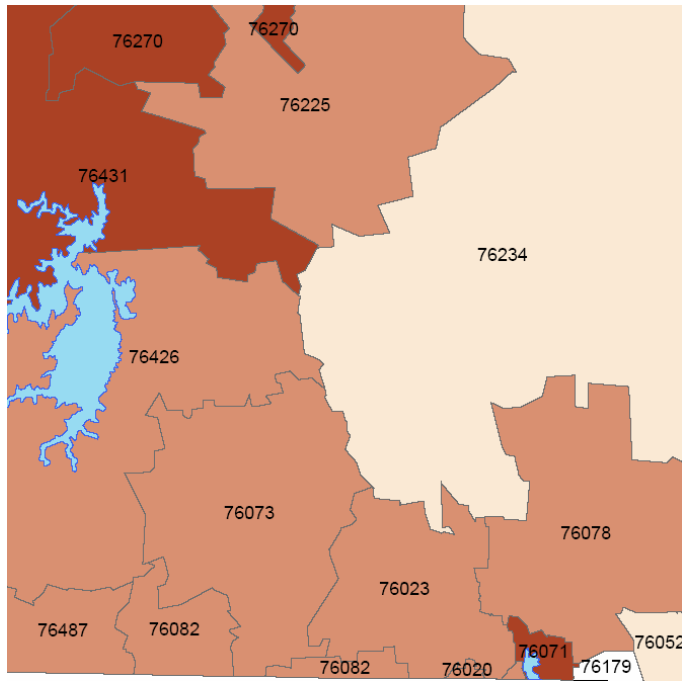
	Male	Female	Total
Hispanic	20.9%	77.5%	40.4%
Non-Hispanic	79.1%	75.9%	77.5%

* Percent of adults who completed high school education or more within each ethnic group






*Data Source: Census 2000

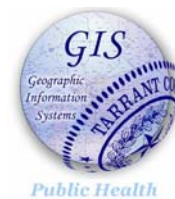
Geographic Distribution of Educational Attainment

Fig 5: Wise County Educational Attainment by ZIP Code, 2000



Educational attainment is highest in ZIP Codes 76270, 76431 and 76071 on the northwest and southeast border of Wise County. Clusters of ZIP Codes in southwest Wise County have a range of 22-25 percent. Educational attainment is lowest in ZIP Codes 76234, 76052 and 76179 on the northeast and southeast border of Wise County.

Legend	2000
 Highest Third	26%-29%
 Middle Third	22 % – 25%
 Lowest Third	18 % – 21 %
 No Case or No Data	
 Water	




Comparison with Tarrant County, Texas and the United States

Educational attainment in Wise County was comparable to that of Tarrant County, Texas and the United States.

Table 23: Educational Attainment *			
Wise County	Tarrant County	Texas	United States
76.1%	81.3%	75.7%	80.4%

*Data Source: Census 2000

Comparison with Healthy People 2010 Objective

 Table 24: Educational Attainment	Wise County
7-1. Increase high school completion to 90 percent. (Baseline: 85 percent of people aged 18-24 years had completed high school in 1998).	76.1% per 100,000 <2000>

- Current Status**

As of 2000, Wise County has not met the Healthy People 2010 objective for educational attainment.

Indicator I-9. All Cause Mortality Rate

The overall mortality rate for Wise County revealed a slightly lower rate between 2001 then 2000 (Table 25). During both years, the male mortality rate was higher than that of females (Table 26). The majority of deaths occurred among Whites who consist of 87 percent of the population. (Table 27). The overall mortality rate peaks at the end of life and is lowest in children ages 5-14 (Table 28).

Table 25: Wise County All-Cause Mortality				
	2000		2001	
	Case	Rate	Case	Rate
Total	437	1048.0	395	938.4

Rates per 100,000 population
Rates are age-adjusted using 2000 standard population

Table 26: Wise County All-Cause Mortality by Gender				
	2000		2001	
	Case	Rate	Case	Rate
Male	237	1268.5	201	1066.4
Female	200	866.0	194	823.3

Rates per 100,000 population
Rates are age-adjusted using 2000 standard population

Table 27: Wise County All- Cause Mortality by Race/Ethnicity				
	2000		2001	
	Case	Rate	Case	Rate
White	420	1058.6	382	955.5
Black	<5	@@	5	@@
Hispanic	12	@@	8	@@
Other	<5	@@	0	0.0

Rates per 100,000 population
Rates are age-adjusted using 2000 standard population
@@ numerator too small for rate calculation

Table 28: Wise County All- Cause Mortality by Age				
	2000		2001	
	Case	Rate	Case	Rate
Under 14	<5	@@	<5	@@
1 to 4	0	0.0	<5	@@
5 to 14	<5	@@	<5	@@
15 to 24	12	191.7	<5	@@
25 to 34	9	141.0	10	158.0
35 to 44	21	250.7	15	172.4
45 to 54	32	788.1	37	540.1
55 to 64	66	1409.7	53	1083.2
65 to 74	78	2611.3	63	2024.4
75 and older	215	9812.9	204	9310.8

Rates per 100,000 population
 Rates are age-adjusted using 2000 standard population
 @@numerator too small for rate calculation

* Data Source: TDH Bureau of Vital Statistics

Comparison with Tarrant County, Texas and the United States

The overall mortality rate for Wise County was significantly higher than that of Tarrant County, Texas and the nation in 2001 (Table 29). Although 2000 rates were not tested, they appeared to follow the same pattern.

Table 29: All-Cause Mortality Rate				
	*Wise	Tarrant	Texas	U.S.
2000	1048.0	912.5	889.3	855.0
*2001	938.4	913.5	884.9	869.0

Rates per 100,000 population
Rates are age adjusted rates with 2000 standard population

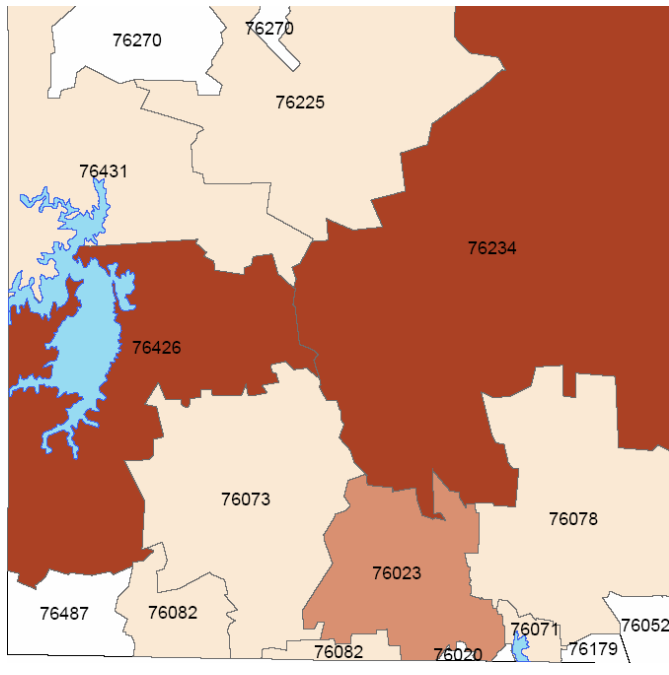
Data Source: TDH Bureau of Vital Statistics, CDC National Center for Health Statistics
 *p<0.001(TC); p>0.05(TX); p<0.05(US)
 *significant testing was done on crude rates



There is no corresponding Health People 2010 Objective for All Cause Mortality.

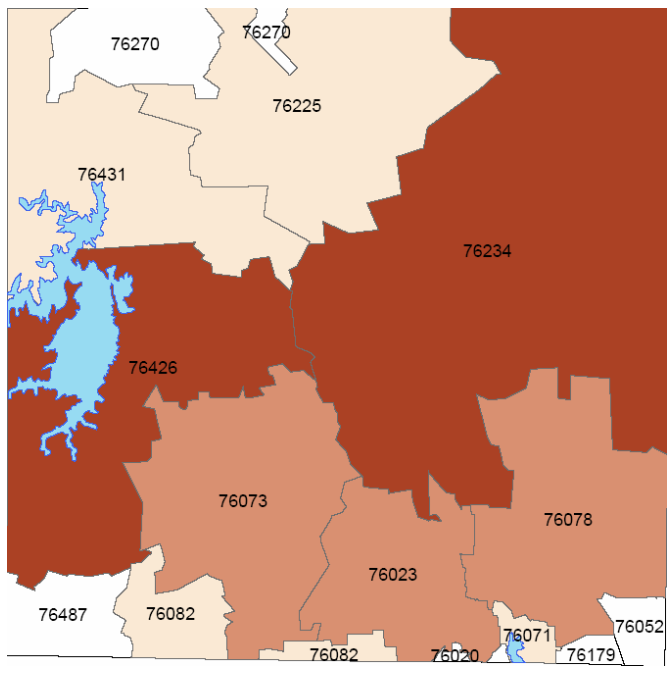
Geographic Distribution of All Cause Mortality

Fig 10: Wise County All Cause Mortality by ZIP Code, 2000



The highest rates for all cause mortality spreads across from northeast to southwest Wise County in ZIP Codes 76234 and 76426. The pattern of distribution in 2000 is similar to 2001, but the numbers of deaths in each category are lower in 2001.

Fig 10: Wise County All Cause Mortality by ZIP Code, 2001



Legend	2000	2001
Highest Third	8-42	7-31
Middle Third	43-83	32-62
Lowest Third	84-126	63-94
No Case or No Data		
Water		



Chronic Diseases - Definitions and Data Sources

Age Adjusted Mortality Rates

➤ ICD 10 Codes for Mortality Data

- **Diseases of Heart:** I00-I09, I11, I13, I20-51
- **Cancer:** C00-C97
- **Chronic Lower Respiratory Disease:** J40-47
 - Chronic Obstructive Pulmonary Disease: Bronchitis, Chronic and Unspecified (J40-J42)
Emphysema (J43)
Other COPD (J44)
 - Asthma (J45-J46)
 - Brochiectasis (J47)

➤ Definition and Data Sources for Mortality Data

- Numerator – Number of deaths in 2000 and 2001
- Denominator – Census 2000 population and 2001 population estimate
- Rate – per 100,000, age adjusted to the 2000 standard population
- Source – TDH Bureau of Vital Statistics

Indicator III-1. Heart Disease Mortality

Cardiovascular disease (CVD) is the leading cause of death in the United States and in Wise County. The Centers for Disease Control and Prevention cites that about 61 million Americans, i.e. one-fourth of the working population live with cardiovascular disease.

In Wise County, the 2001 CVD mortality rate was slightly lower than the 2000 baseline rate, but the difference was not significant (Table 1).

The CVD mortality rate was higher in men than women in 2000 and higher in women in 2001 (Table 2). Although there was a reduction in the CVD rate among men, there was an increase in CVD rates among women. (Table 2).

All but one of the CVD mortalities occurred in Whites. Trends showed a 4 percent reduction in Whites (Table 3).

The CVD mortality rate increased with age (Table 4). For all ages, the CVD mortality rate was reduced or unchanged from 2000 to 2001 except in the age group 65 to 74 which had a 7.9 percent increase (Table 4).

	2000		2001	
	Case	Rate	Case	Rate
Total	133	335.0	128	322.4

Rates per 100,000 population
Rates are age adjusted using 2000 standard population

	2000		2001	
	Case	Rate	Case	Rate
Male	71	421.2	61	355.1
Female	62	271.2	67	291.9

Rates per 100,000 population
Rates are age adjusted using 2000 standard population

	2000		2001	
	Case	Rate	Case	Rate
White	132	344.9	127	331.6
Black	0	0.0	<5	@@
Hispanic	<5	@@	0	0.0
Other	0	0.0	0	0.0

Rates per 100,000 population
Rates are age adjusted using 2000 standard population
@. @ numerator too small for rate calculation

	2000		2001	
	Case	Rate	Case	Rate
Under 35	<5	@@	<5	@@
35 to 44	<5	@@	<5	@@
45 to 54	10	152.5	7	102.2
55 to 64	15	320.4	12	245.2
65 to 74	16	535.7	18	578.4
75 and over	89	4,062.1	89	4,062.1

Rates per 100,000 population
Rates are age adjusted using 2000 standard population
@. @ numerator too small for rate calculation

* Data Source: TDH Bureau of Vital Statistics

- The geographic distribution of Heart Disease mortality is not calculated due to the small number of cases reported each year in Wise County.


Comparison with Tarrant County, Texas and the United States

The heart disease mortality rate in Wise County is significantly higher than that of Tarrant County, Texas and the United States in 2001, and all four jurisdictions had marginal declines in the heart disease mortality rate from 2000 to 2001.

Table 5: Heart Disease Mortality Rate per 100,000 population				
	*Wise	Tarrant	Texas	U.S.
2000	335.0	270.1	262.9	257.6
*2001	322.4	264.1	257.3	247.7

Data Source: TDH Bureau of Vital Statistics, CDC National Vital Statistics Report
 *p<0.001(TC); p<0.05(TX); p>0.05(US)
 *significant testing was done on crude rates

Comparison with Healthy People 2010 Objective

 Table 6: Heart Disease and Stroke	Wise County
12-1. Reduce coronary heart disease death to 166 per 100,000 population.	<2000> 335.0 per 100,000
	<2001> 322.4 per 100,000

Data Source: TDH Bureau of Vital Statistics

- Current Status:**

Although the heart disease mortality rate in Wise County declined marginally from 2000 to 2001, the current death rate falls short of the Healthy People 2010 objective for coronary heart disease deaths.

Indicator III-2. Cancer Mortality

🚩 All Cancer Mortality

Cancer is the second leading cause of death in the United States and in Wise County. Although the overall cancer mortality rate for Wise County declined 5.1 percent from 2000 to 2001 (Table 7), the difference was not significant.

The cancer mortality rate was higher for males than females in both years and the overall decline in the cancer mortality rate occurred mainly in females (Table 8).

The majority of cancer deaths occurred among Whites in both years (Table 9). Trends in cancer mortality rates show a 5.4 percent decline among Whites, (Table 9).

The cancer mortality rate increased with age. Trends showed a decline in the cancer mortality rate in most age groups when comparing 2001 to 2000, except in the age group 45 to 54 which had a 91.4 percent increase, and 75 and over with a 16.1 percent increase. The large increase in ages 45-54 reflects a fluctuation in rate attributable to the small numbers in that age group.

In 2000, the most frequent cancer mortality in Wise County was lung cancer, followed by colon and prostate cancers (Table 11). In 2001, the most frequent cause was lung cancer, followed by breast and pancreatic cancer (Table 11). There was no significant difference in the mortality rates for lung cancer between 2000 and 2001.

	2000		2001	
	Case	Rate	Case	Rate
Total	96	218.1	91	206.3

Rates are age adjusted using 2000 standard population (per 100,000 persons).

	2000		2001	
	Case	Rate	Case	Rate
Male	49	252.2	50	250.7
Female	47	199.2	41	167.6

Rates are age adjusted using 2000 standard population (per 100,000 persons).

	2000		2001	
	Case	Rate	Case	Rate
White	93	221.1	88	209.2
Black	<5	@@	<5	@@
Hispanic	<5	@@	<5	@@
Other	0	0.0	0	0.0

Rates are age adjusted using 2000 standard population (per 100,000 persons).
@.@ numerator too small for rate calculation

	2000		2001	
	Case	Rate	Case	Rate
Under 35	<5	@@	<5	@@
35 to 44	5	59.7	<5	@@
45 to 54	6	91.5	12	175.2
55 to 64	25	534.0	20	408.7
65 to 74	28	937.4	18	578.4
75 and over	31	1414.9	36	1643.1

Rates are age adjusted using 2000 standard population (per 100,000 persons).
@.@ numerator too small for rate calculation

Table 11: Wise County's Three Most Frequent Types of Cancer Mortality						
	2000			2001		
	Cancer	Case	Rate	Cancer	Case	Rate
1	Lung Cancer	31	69.8	Lung Cancer	32	70.3
2	Colon Cancer	10	@@	Breast Cancer*	8	@@
3	Prostrate Cancer	8	@@	Pancreatic Cancer	6	@@

Rates are age adjusted using 2000 standard population (per 100,000 persons)
 @.@ numerator too small for rate calculation.
 * Breast cancer mortality rate includes men and women.

Data Source: TDH Bureau of Vital Statistics

- The geographic distribution of all cancer mortality is not calculated due to the small number of cases reported each year in Wise County.

 **Three Most Frequent Types of Cancer Mortality in Males**

Table 12: Wise County's Most Frequent Cancer Mortality in Males			
2000 & 2001			
	Cancer	Case	Rate
1	Lung cancer	37	93.1
2	Prostrate cancer	11	@ @
3	Colon	7	@ @

Rates per 100,000 population
 @. @ numerator too small for rate calculation
 Rates are age adjusted using 2000 standard population

Data Source: TDH Bureau of Vital Statistics

 **Three Most Frequent Types of Cancer Mortality in Females**

Table 13: Wise County's Most Frequent Cancer Mortality in Females			
2000 & 2001			
	Cancer	Case	Rate
1	Lung cancer	26	53.4
2	Breast cancer	12	@ @
3	Colon cancer	7	@ @

Rates per 100,000 population
 @ @ numerator too small for rate calculation
 Rates are age adjusted using 2000 standard population

Data Source: TDH Bureau of Vital Statistics


Comparison with Tarrant County, Texas and the United States

The cancer mortality rate in Wise County was significantly higher than that of Tarrant County, Texas and the United States in 2000 and 2001. There is a downward trend in the cancer mortality rate for all four geographic areas.

Table 14: Mortality Rates from All Cancers per 100,000 population				
	Wise	Tarrant	Texas	U.S.
2000	218.1	200.5	196.2	199.6
*2001	206.3	191.9	192.4	195.8

Data Source: TDH Bureau of Vital Statistics, CDC National Vital Statistics Report
 *p<0.05(TC); p>0.05(TX); p>0.05(US)
 *significant testing was done on crude rates

Comparison with Healthy People 2010 Objective

 Table 15: Cancer Mortality	Wise County
	3-1. Reduce the overall cancer death rate to 159.9 per 100,000 population.

- Current Status:**

Although Wise County did not meet the Healthy People 2010 objective for cancer mortality in 2000 or 2001, the observed downward trend in the overall cancer mortality rate in 2001 suggests an improvement.

Indicator III-5. Chronic Lower Respiratory Disease Mortality

Chronic lower respiratory diseases (CLRD) include asthma, chronic obstructive pulmonary disease (COPD) and bronchiectasis. COPD is defined as a group of lung diseases characterized by limited airflow with variable degrees of air sack enlargement and lung tissue destruction. Emphysema and chronic bronchitis are the most common forms of COPD.

Chronic lower respiratory diseases (CLRD) include asthma, chronic obstructive pulmonary disease and bronchiectasis. Overall, chronic lower respiratory disease mortality rate in Wise County in 2001 was comparable to the 2000 baseline.

Chronic lower respiratory disease mortality rate was higher in males than females in 2000 but rates were the same in 2001.

All CLRD mortality was found in Whites, except for one in Blacks (2000).

CLRD mortality increased with age.

Table 16: Wise County Chronic Lower Respiratory Disease Mortality				
	2000		2001	
	Case	Rate	Case	Rate
Total	29	67.2	30	71.9

Rates per 100,000 population
Rates are age adjusted using 2000 standard population

Table 23: Wise County Chronic Lower Respiratory Disease Mortality by Gender				
	2000		2001	
	Case	Rate	Case	Rate
Male	25	129.8	15	@ @
Female	<5	@ @	15	@ @

Rates per 100,000 population
Rates are age adjusted using 2000 standard population
@ @ numerator too small for rate calculation

Table 17: Wise County Chronic Lower Respiratory Disease Mortality by Race/Ethnicity				
	2000		2001	
	Case	Rate	Case	Rate
White	28	67.6	30	74.5
Black	<5	@ @	0	0.0
Hispanic	0	0.0	0	0.0
Other	0	0.0	0	0.0

Rates per 100,000 population
Rates are age adjusted using 2000 standard population
@ . @ numerator too small for rate calculation

Table 18: Wise County Chronic Lower Respiratory Disease Mortality by Age				
	2000		2001	
	Case	Rate	Case	Rate
Under 35	0	0	0	0
35 to 44	<5	@ @	0	0
45 to 54	<5	@ @	<5	@ @
55 to 64	4	@ @	5	102.2
65 to 74	14	468.7	8	257.1
75 and older	9	@ @	16	730.3

Rates per 100,000 population
Rates are age adjusted using 2000 standard population
@ . @ numerator too small for rate calculation

* Data Source: TDH Bureau of Vital Statistics

- The geographic distribution of CLRD cases is not calculated due to the small number of cases reported each year in Wise County.


Comparison with Tarrant County, Texas and the United States

The mortality rate for chronic lower respiratory diseases in Wise County was significantly higher than that of Tarrant County, Texas and the United States in 2000 and 2001.

Table 19: Chronic Lower Respiratory Disease Mortality Rates per 100,000 population				
	*Wise	Tarrant	Texas	U.S.
2000	67.2	51.5	44.7	44.2
*2001	71.9	50.0	46.6	44.0

Data Source: TDH Bureau of Vital Statistics, CDC National Vital Statistics Report
 *p<0.05(TC); p<0.05(TX); p>0.05(US)
 *significant testing was done on crude rates

Comparison with Healthy People 2010 Objective

 Table 20: Respiratory Diseases Mortality		Wise County
24-10. Reduce chronic obstructive pulmonary disease deaths among adults to 60 per 100,000 persons (adult age 45 and older).	<2000>	180.9 per 100,000
	<2001>	187.0 per 100,000

- Current Status:**

For this comparison, the mortality rate for chronic obstructive pulmonary disease in adults 45 and older in Wise County was used because the corresponding Healthy People 2010 objective is specifically defined for that age group. Wise County did not meet the Healthy People 2010 objective in 2000 or 2001. As of 2001, the adult mortality rate for COPD in Wise County remained more than twice the stated Healthy People 2010 objective.

Table 21: Chronic Disease Health Indicators by City in Wise County (2000-2001)

CITY	Indicators			
	Heart Disease Mortality (crude rates per 10,000)		Cancer Mortality (crude rates per 10,000)	
	2000	2001	2000	2001
Alvord	109.2	97.8	59.6	68.5
Boyd	118.3	167.8	136.5	61.8
Bridgeport	78.9	114.3	34.8	58.3
Decatur	88.4	110.9	53.8	39.5
Rural	15.1	10.7	9.7	8.3
*WISE COUNTY	33.5	32.2	21.8	20.6

**Rates for Wise County changed to 10,000 for comparison*

Chronic Disease Health Indicators by City in Wise County (2000-2001) cont.

CITY	Indicator	
	Chronic Lower Respiratory Disease Mortality (crude rates per 10,000)	
	2000	2001
Alvord	19.9	9.8
Boyd	18.2	26.5
Bridgeport	13.9	13.4
Decatur	11.5	11.3
Rural	3.5	3.6
*WISE COUNTY	6.7	7.2

**Rates for Wise County changed to 10,000 for comparison*

Infectious Diseases - Definitions and Data Sources

Common Bacterial Sexually Transmitted Diseases: Early Syphilis, Gonorrhea & Chlamydia

- Numerator – 2000 and 2001 incidence of early syphilis (primary syphilis, secondary syphilis, and early latent syphilis), gonorrhea, or chlamydia cases
- Denominator – 2000 Census population and 2001 population estimate
- Rate – per 100,000 population
- Data Source – Texas Department of Health
- More Information - <http://health.tarrantcounty.com>

Body Fluid-borne Pathogens: Hepatitis B, Hepatitis C & HIV

- Numerator - 2000 and 2001 incidence of hepatitis B, hepatitis C, or HIV cases
- Denominator - 2000 Census population and 2001 population estimate
- Rate - per 100,000 population
- Data Source – Texas Department of Health
- More Information - <http://health.tarrantcounty.com>; <http://www.tdh.state.tx.us>

Tuberculosis

- Numerator - 2000 and 2001 incidence of TB cases
- Denominator - 2000 Census population and 2001 population estimate
- Rate - per 100,000 population
- Data Source – Texas Department of health
- More Information - <http://health.tarrantcounty.com>; <http://www.tdh.state.tx.us>

Indicator IV-1. Common Bacterial Sexually Transmitted Diseases

🚩 Early Syphilis

Among all syphilis cases, early syphilis comprising of primary, secondary, and early latent syphilis is of special public health interest because it is treatable. Late stages are neither treatable nor reportable.

The early syphilis rates for Wise County decreased from 2000 to 2001.

	2000		2001	
	Case	Rate	Case	Rate
Total	<5	@@	0	0.0

Rates per 100,000 population
@@ numerator too small for calculation

* Data Source: TDH

Indicator IV-1. Common Bacterial Sexually Transmitted Diseases

Chlamydia

Chlamydia is a sexually transmitted genital infection, caused by *Chlamydia trachomatis*. In 2001, the incidence rate for chlamydia increased by 26 percent above that of 2000 baseline.

The majority (91%) of chlamydia cases are female. chlamydia rates in females were more than twenty-one times that of males in 2000. Also, rates in both genders increased from 2000 to 2001.

More than half of all chlamydia cases occur in Whites and the incidence rate in Whites is about three to five times that of Hispanics and two times that of other races. Chlamydia rates increased for Whites and other races, but decreased for Hispanics from 2000 to 2001.

Chlamydia occurs mainly in teenagers and young adults. The majority (97%) of cases fall within age groups 10-19 and 20-29.

	2000		2001	
	Case	Rate	Case	Rate
Total	45	92.2	57	113.1

Rates per 100,000 population

	2000		2001	
	Case	Rate	Case	Rate
Male	<5	@@	7	13.9
Female	43	88.1	50	99.2

Rates per 100,000 population
@@ numerator too small for calculation

	2000		2001	
	Case	Rate	Case	Rate
White	27	55.3	32	63.5
Black	<5	@@	<5	@@
Hispanic	8	16.4	6	11.9
Other	9	18.5	18	35.7

Rates per 100,000 population
@@ numerator too small for calculation

	2000		2001	
	Case	Rate	Case	Rate
0 – 9	0	0.0	0	0.0
10 – 19	26	53.3	23	45.6
20 – 29	17	34.8	33	65.5
30 – 39	<5	@@	<5	@@
40 – 44	0	0.0	0	0.0
45+	<5	@@	0	0.0

Rates per 100,000 population
@@ numerator too small for calculation

* Data Source: TDH

Indicator IV-1. Common Bacterial Sexually Transmitted Diseases

Gonorrhea

Gonorrhea is a bacteria sexually transmitted disease caused by *Neisseria gonorrhoeae*. In 2001, the incidence of gonorrhea in Wise County decreased by almost 10 percent from the 2000 baseline. In 2000, the incidence rate of gonorrhea was higher in females than males. However, the decrease in incidence rate from 2000 to 2001 was higher in females than males, bringing the incidence rate to a comparable level for males and females in 2001.

In 2000, gonorrhea occurred mainly in Whites and in 2001, in other races.

The majority (61%) of all gonorrhea cases occur in teenagers and young adults. The incidence rate is highest for persons age 10-19 in 2000, but evenly distributed in 2001.

Table 6: Gonorrhea in Wise County				
	2000		2001	
	Case	Rate	Case	Rate
Total	12	24.6	11	21.8
Rate per 100,000 population				

Table 7: Gonorrhea by Gender in Wise County				
	2000		2001	
	Case	Rate	Case	Rate
Male	5	10.3	6	11.9
Female	7	14.4	5	9.9
Rate per 100,000 population				

Table 8: Gonorrhea by Race/Ethnicity in Wise County				
	2000		2001	
	Case	Rate	Case	Rate
White	10	20.5	<5	@@
Black	<5	@@	0	0.0
Hispanic	0	0.0	<5	@@
Other	<5	@@	5	9.9
Rate per 100,000 population @@ numerator too small for calculation				

Table 9: Gonorrhea by Age in Wise County				
	2000		2001	
	Case	Rate	Case	Rate
0 – 9	0	0.0	0	0.0
10 – 19	5	10.3	<5	@@
20 – 29	<5	@@	<5	@@
30 – 39	<5	@@	<5	@@
40 – 44	<5	@@	<5	@@
45+	0	0.0	0	0.0
Rate per 100,000 population @@ numerator too small for calculation				

* Data Source: TDH

Comparison with Tarrant County, Texas and the United States

The incidence rates of chlamydia, gonorrhea and syphilis in Wise County were lower than that of Tarrant County, Texas and of the United States in both years.


Table 10: STD rates in Wise County per 100,000 population					
		Wise	Tarrant	Texas	U.S.
Chlamydia	2000	92.2	283.2	329.8	249.5
	2001	113.1	271.7	334.5	243.3
Gonorrhea	2000	24.6	187.7	157.8	127.6
	2001	21.8	151.1	144.0	112.6
Syphilis [§]	2000	@@	1.5	1.9	2.1
	2001	0.0	2.7	2.3	2.2

§ Syphilis includes only Primary and Secondary Syphilis

Data Source: TDH, CDC MMWR

@@ numerator too small for calculations

Comparison with Healthy People 2010 Objective

 Table 11: Sexually Transmitted Diseases	Wise County
11-1a. Reduce chlamydia infections in <i>females aged 15 to 24 years</i> attending STD clinics to 3.0 per 100,000 people.	<2000> 77.9 per 100,000
	<2001> 81.3 per 100,000
11-1a. Reduce chlamydia infections in <i>males aged 15 to 24 years</i> attending STD clinics to 3.0 per 100,000 people.	<2000> @@ per 100,000
	<2001> @@ per 100,000
11-2. Reduce gonorrhea to an incidence of no more than 19 new cases per 100,000 population.	<2000> 24.6 per 100,000
	<2001> 21.8 per 100,000
11-3. Reduce primary and secondary syphilis to an incidence of no more than 0.2 cases per 100,000 population.	<2000> @@ per 100,000
	<2001> 0.0 per 100,000

@@ numerator too small for calculations

- Current Status:**

As of the year 2001, incidence rates of common sexually transmitted disease (chlamydia in females and gonorrhea) in Wise County are higher than the stated Healthy 2010 objectives. The chlamydia incidence rate in females aged 15 to 24 remains very high but comparable for both years. Primary and secondary syphilis for 2001 are lower than the Healthy People 2010 objectives.

Indicator IV-2. Body Fluid-borne Pathogens

Hepatitis B

Hepatitis B is a serious viral liver infection transmitted by blood and body fluids contact.

There was no significant difference between 2000 and 2001 in the Wise County incidence rates.

Age and gender rates are not shown for confidentiality reasons because there were less than five cases in each group.

Table 12: Hepatitis B in Wise County				
	2000		2001	
	Case	Rate	Case	Rate
Total	5	10.2	6	11.9
Rates per 100,000 population				

Table 13: Hepatitis B by Gender in Wise County				
	2000		2001	
	Case	Rate	Case	Rate
Male	<5	@@	<5	@@
Female	<5	@@	5	9.9
Rates per 100,000 population @@numerator too small for rate calculations				

Table 14: Hepatitis B by Age in Wise County				
	2000		2001	
	Case	Rate	Case	Rate
0 – 19	0	0.0	0	0.0
20 – 29	<5	@@	<5	@@
30 – 39	0	0.0	0	0.0
40 – 49	<5	@@	<5	@@
50 +	<5	@@	<5	@@
Rates per 100,000 population @@numerator too small for rate calculations				

* Data Source: TDH

Indicator IV-2. Body Fluid-borne Pathogens

📌 Hepatitis C

Hepatitis C virus (HCV) infection is the most common chronic blood-borne viral infection in the United States. Transfusion with tainted blood poses the highest risk for HCV transmission. Injection drug users account for the largest number of infected persons; 60% to 80% of people who have injected drugs for five years or more are infected with HCV. There was a 5.6 percent increase in the incidence rate from 2000 to 2001.

In 2000, there were more reported cases and a higher incidence rate in males than females, while in 2001, the incidence rates among females increased by 26 percent and decreased by 5 percent in males. In 2001, the incidence rate was higher in females.

In 2000, age-group 40-49 years had the highest rate, followed by 30-39 years. In 2001, the pattern changed to age group 20-29 with the highest incidence rate, followed by ages 30-39.

Table 15: Hepatitis C in Wise County

	2000		2001	
	Case	Rate	Case	Rate
Total	33	67.6	36	71.4

Rates per 100,000 population

Table 16: Hepatitis C by Gender in Wise County

	2000		2001	
	Case	Rate	Case	Rate
Male	18	36.9	17	33.7
Female	15	30.7	19	37.7

Rates per 100,000 population

Table 17: Hepatitis C by Age in Wise County

	2000		2001	
	Case	Rate	Case	Rate
0 – 19	0	0.0	<5	@@
20 – 29	5	10.2	13	25.8
30 – 39	9	18.4	9	17.9
40 – 49	14	28.7	5	9.9
50 +	5	10.2	8	15.9

Rates per 100,000 population
 @@ numerator too small for rate calculations

* Data Source: TDH

Indicator IV-2. Body Fluid-borne Pathogens

🚩 Human Immunodeficiency Virus (HIV)

HIV is a viral infection transmitted by blood and body fluid contact. Infection with HIV causes immune system dysfunction which culminates in AIDS. There were less than five cases for years 2000 and 2001 in Wise County.

Table 18: HIV in Wise County				
	2000		2001	
	Case	Rate	Case	Rate
Total	<5	@ @	<5	@ @
Rates per 100,000 population				


Comparison with Tarrant County, Texas and the United States

- The incidence rate of HIV in Wise County is not reported because of small numbers that may give unreliable rates.

Table 19: Body fluid-borne disease rates in Wise County per 100,000 persons					
		Wise	Tarrant	Texas	U.S.
HIV	2000	@@	24.9	20.2	7.5
	2001	@@	12.9	19.9	12.3
Hepatitis B	2000	10.2	1.5	5.3	2.9
	2001	11.9**	16.1	3.3	2.8
Hepatitis C	2000	67.6	2.0	1.3	1.1
	2001	71.4**	111.2	2.3	1.4

Data Source: TCPH, TDH, CDC MHRM
 @@ numerator too small for rate calculations
 **Chronic and newly reported cases

Comparison with Healthy People 2010 Objective

 Table 20: Immunization and Infectious Diseases	Wise 2000	Wise 2001
20-a. Reduce AIDS among <i>adolescents and adults</i> to 1 new case per 100,000 persons.	@@	@@
20-b. Reduce Hepatitis B in <i>40+ year-olds</i> to 3.8 cases per 100,000.	@@	@@
20-c. Reduce Hepatitis C to 1 new (symptomatic) case per 100,000.	NA*	NA*

*NA: Rate for the only symptomatic (acute) Hepatitis C is not available.

- Current Status:**

There is not enough data to compare Wise County with the Healthy People 2010 objectives.

Indicator IV-3. Tuberculosis

Tuberculosis is a serious infection of the respiratory system caused by *Mycobacterium tuberculosis*. The tuberculosis (TB) rate in Wise County decreased in 2001 from the 2000 baseline.

	2000		2001	
	Case	Rate	Case	Rate
Total	<5	@@	0	0.0

Rates per 100,000 population
@@ numerator too small for rate calculation


Comparison with Tarrant County, Texas and the United States

- The incidence rate of tuberculosis in Wise County is not reported because of small numbers that may give unreliable rates. Tarrant County, Texas and the United States for 2000 and 2001 because the numbers are too small for rate calculation.

Table 22: Tuberculosis Rates in Wise County per 100,000 population				
	Wise	Tarrant	Texas	U.S.
2000	@@	6.6	7.2	5.8
2001	0.0	7.3	7.7	5.6

Data Source: TCPH, TDH, CDC MMHR
 @@ numerator too small for rate calculation

Comparison with Healthy People 2010 Objective

 Table 23: Immunization and Infectious Diseases		Wise County
23-a. Reduce tuberculosis to an incidence of no more than 1 new case per 100,000 population. (Baseline: 6.8 new cases per 100,000 in 1998)	<2000>	@@ per 100,000
	<2001>	0.0 per 100,000

* Data Source: TDH

• Current Status:

The incidence rate for tuberculosis in 2001 meets the Healthy People 2010 Objectives.

Table 24: Health Indicators by City in Wise County (2000-2001)

CITY	Indicators			
	Chlamydia (per 10,000)		Gonorrhea (per 10,000)	
	2000	2001	2000	2001
Alvord	0.0	0.8	0.0	0.0
Boyd	1.4	0.8	0.4	0.0
Bridgeport	1.4	2.2	.02	0.8
Decatur	3.7	5.2	1.4	1.4
Rural	2.7	2.4	0.4	0.0
*WISE COUNTY	9.2	11.3	2.5	2.2

**Rates for Wise County changed to 10,000 for comparison*

Health Indicators by City in Wise County (2000-2001) cont.

CITY	Indicators			
	Hepatitis B (per 10,000)		Hepatitis C (per 10,000)	
	2000	2001	2000	2001
Alvord	0.0	0.0	4	0.6
Boyd	0.0	0.0	1.2	.99
Bridgeport	0.0	0.2	0.8	.79
Decatur	0.4	0.8	2.0	1.6
Rural	0.6	.02	2.3	3.2
*Wise County	1.0	1.2	6.7	7.1

**Rates for Wise County changed to 10,000 for comparison*

Injuries - Definitions and Data Sources

Age Adjusted Mortality Rates

➤ **ICD 10 Codes for Mortality Data**

- **Intentional Injuries (Homicide):** X85-Y09, Y87.1
- **Unintentional Injuries:** V01-X59, Y85-Y86

➤ **Definition and Data Sources for Mortality Data**

- Numerator – number of deaths in 2000 and 2001
- Denominator – Census 2000 population and 2001 population estimate
- Rates – per 100,000, age adjusted to the 2000 standard population
- Source – TDH Bureau of Vital Statistics

Indicator VII-1. Intentional Injury Deaths: Homicide

The total homicide cases for Wise County remained less than five from year 2000 to 2001 (Table 1).

In 2000, there were less than five homicide deaths in males (age 21-44) less than five homicide deaths in females (age 55-74) in 2001.

The mode of homicide deaths in both years was firearms.

Table 1: Wise County Homicide by Race/Ethnicity

	2000		2001	
	Case	Rate	Case	Rate
Total	<5	@@	<5	@@

Rates per 100,000 population
 @.@ numerator too small for rate calculation

Table 2: Wise County Homicide by Gender

	2000		2001	
	Case	Rate	Case	Rate
Male	<5	@@	0	0.0
Female	0	0.0	<5	@@

Rates per 100,000 population
 @.@ numerator too small for rate calculation

Table 3: Wise County Homicide by Race/Ethnicity

	2000		2001	
	Case	Rate	Case	Rate
White	<5	@@	<5	@@
Black	0	0.0	0	0.0
Hispanic	0	0.0	0	0.0
Other	0	0.0	0	0.0

Rates per 100,000 population
 @.@ numerator too small for rate calculation

Table 4: Wise County Homicide by Age Group

	2000		2001	
	Case	Rate	Case	Rate
< 20	0	0.0	0	0.0
21- 44	<5	@@	0	0.0
55-74	0	0.0	<5	@@
75+	0	0.0	0	0.0

Rates per 100,000 population
 @.@ numerator too small for rate calculation

Data Source: TDH Bureau of Vital Statistics

Indicator VII-1. Intentional Injury Deaths: Homicide

Table 5: Wise County Homicide by Selected Mode of Death				
	2000		2001	
	Case	Rate	Case	Rate
Fire arm	<5	@.@	<5	@.@
Sharp object	0	0.0	0	0.0
Drugs, biological substance	0	0.0	0	0.0
Hanging, strangulation, suffocation	0	0.0	0	0.0
Blunt object	0	0.0	0	0.0
Bodily force	0	0.0	0	0.0
Neglect and abandonment	0	0.0	0	0.0

Rates per 100,000 population
 @.@ numerator too small for rate calculation

Data Source: TDH Bureau of Vital Statistics


Comparison with Tarrant County, Texas and the United States

The homicide rates for Wise County are not reported because the numerator is too small to produce reliable rates, therefore a comparison cannot be done between among Tarrant County, Texas and the United States.

Table 6: Homicide Rates per 100,000 population				
	Wise	Tarrant	Texas	U.S.
2000	@@	6.9	6.2	5.9
2001	@@	6.5	6.4	6.9

Data Source: TDH Bureau of Vital Statistics, CDC National Vital Statistics Report
 @@ numerator too small for rate calculations

Comparison with Healthy People 2010 Objective

 Table 7: Homicide	Wise County
15-32. Reduce homicides to 3 per 100,000 population (Baseline: 6.5 homicides per 100,000 population in 1998)	<2000> @@ per 100,000
	<2001> @@ per 100,000

* Data Source: TDH Bureau of Vital Statistics

- Current Status:**

There was not enough data to compare Wise County with the Healthy People 2010 Objective.

Indicator VII-2. Unintentional Injury Deaths

In Wise County, the unintentional (or accidental) injury death rate in 2001 decreased from the 2000 baseline rate by 9.8 percent (Table 8).

More males than females die from unintentional injuries (Table 9).

The unintentional injury deaths were mainly in Whites for both years (Table 10).

Among different age groups, the unintentional injury death rate was highest for ages 15-24 years, followed by ages 35-44 (Table 11).

Most unintentional injury deaths were caused by automobile accidents, followed by other transport accidents and unspecified causes. (Table 12).

	2000		2001	
	Case	Rate	Case	Rate
Total	32	68.8	28	61.8

Rates per 100,000 population

	2000		2001	
	Case	Rate	Case	Rate
Male	24	104.3	17	@ @
Female	8	@ @	11	@ @

Rates per 100,000 population
@ @ numerator too small for rate calculation

	2000		2001	
	Case	Rate	Case	Rate
White	26	63.4	27	66.0
Black	<5	@ @	0	0.0
Hispanic	5	@ @	<5	@ @
Other	0	0.0	0	0.0

Rates per 100,000 population
@ . @ numerator too small for rate calculation

	2000		2001	
	Case	Rate	Case	Rate
< 4	0	0.0	0	0.0
5 – 14	<5	@ @	<5	@ @
15 – 24	9	143.8	<5	@ @
25 – 34	5	71.6	5	79.0
35 – 44	6	@ @	<5	@ @
45 – 54	<5	@ @	6	87.6
55 – 64	<5	@ @	<5	@ @
65 – 74	<5	@ @	<5	@ @
75 +	<5	@ @	8	365.1

Rates per 100,000 population
@ . @ numerator too small for rate calculation

* Data Source: TDH Bureau of Vital Statistics

Indicator VII-2. Unintentional Injury Deaths

Table 12: Wise County Unintentional Injury Deaths by Cause of Death

	2000		2001	
	Case	Rate	Case	Rate
Automobile Accidents	18	@@	19	@@
Other Transport Accidents	<5	@@	0	0.0
Fall	0	0.0	<5	@@
Discharge of Firearms	0	0.0	0	0.0
Drowning	<5	@@	<5	@@
Exposure to Smoke, Fire and Flames	<5	@@	<5	@@
Poisoning	<5	@@	<5	@@
Other and Unspecified	<5	@@	<5	@@

Rates per 100,000 population
 @. @ numerator too small for rate calculation

* Data Source: TDH Bureau of Vital Statistics


Comparison with Tarrant County, Texas and the United States

The unintentional injury death rates in Wise County were significantly higher than those of Tarrant County, Texas and the United States in 2000 and 2001.

Table 13: Unintentional Injury Death Rates per 100,000 population				
	*Wise	Tarrant	Texas	U.S.
2000	68.8	31.2	38.7	34.9
*2001	61.8	33.1	39.3	34.3

Data Source: TDH Bureau of Vital Statistics, CDC National Vital Statistics Report
 *p<0.05 (TC); p>0.05(TX); p>0.05(US)

Comparison with Healthy People 2010 Objective

 Table 14: Unintentional Injury Deaths	Wise County
15-13. Reduce deaths caused by unintentional injuries to 20.8 per 100,000 population. (Baseline: 35.0 deaths per 100,000 in 1998 -- preliminary data age adjusted to year 2000 standard population)	<2000> 68.8 per 100,000
	<2001> 61.8 per 100,000

* Data Source: TDH Bureau of Vital Statistics

- Current Status:**

As of the year 2001, the Wise County unintentional injury mortality rate is greater than the stated Healthy People 2010 objective.

Table 15: Health Indicators by City in Wise County (2000-2001)

CITY	Indicator	
	Unintentional Injury Deaths (per 10,000)	
	2000	2001
Alvord	9.9	39.1
Boyd	36.4	8.8
Bridgeport	13.9	9.0
Decatur	15.4	15.0
Rural	3.2	2.9
*WISE COUNTY	6.9	6.2

**Rates for Wise County change to 10,000 for comparison*

Appendix A

Community Partners and Data Sources

Changing Course Foundation
Head Start
Heritage Program for Senior Adults (Wise County Regional Hospital)
Home Hospice of North Texas
Outreach Health Services
Tarrant County Public Health*
Texas Department of Health*
Texas Department of Human Services
Texas Health Steps
Texas Star program
Solaris Hospice
Trinity Care Center
Texas Cooperative Extension Service
Trinity Care Center
United Way of Wise County
U.S. Census 2000*
Wise County Area Relief Mission
Wise County Committee on Aging
Wise County Domestic Violence Task Force
Wise County Mental Health Center
Wise County Judge
Wise County Regional Hospital

*Data Providers

Appendix B

Healthy People 2010



Healthy People 2010 is a comprehensive nationwide health promotion and disease prevention agenda established by the U.S. Department of Health and Human Services in January 2000. Healthy People 2010 contain 467 objectives designed to serve as a road map for improving the health of all people in the United States during the first decade of the 21st century.

Two overarching goals of HP 2010 –1) increase quality and years of healthy life, and 2) eliminate health disparities--served as a guide for developing objectives that will actually measure progress. The objectives are organized in 28 focus areas, each representing an important public health area. Each objective has a target for improvements to be achieved by the year 2010. Further information on HP 2010 and national data is accessible through the Healthy People Web site (<http://www.healthypeople.gov>).

Wise County M.A.D.P. & Healthy People 2010

The Wise County Monitoring and Assessment Demonstration Project (M.A.D.P.) assesses the community's progress toward improving health by integrating its selected indicators with corresponding Healthy People 2010 objectives.

Utilizing HP 2010 as a benchmark, the community health report card serves as a valuable resource to determine the community's current health status. It also aids in addressing achievements and challenges toward meeting local and national health goals and objectives.

By building a healthier county, Wise County is one step closer to building a healthier nation.

HP 2010 Focus Areas

1. Access to Quality Health Services
2. Arthritis, Osteoporosis and Chronic Back Conditions
3. Cancer
4. Chronic Kidney Disease
5. Diabetes
6. Disability and Secondary Conditions
7. Educational and Community-Based Programs
8. Environmental Health
9. Family Planning and Sexual Health
10. Food Safety
11. Health Communication
12. Heart Disease and Stroke
13. HIV
14. Immunizations and Infectious Diseases
15. Injury and Violence Prevention
16. Maternal, Infant, and Child Health
17. Medical Product Safety
18. Mental Health and Mental Disorders
19. Nutrition
20. Occupational Safety and Health
21. Oral Health
22. Physical Activity and Fitness
23. Public Health Infrastructure
24. Respiratory Diseases
25. Sexually Transmitted Diseases
26. Substance Abuse
27. Tobacco Use
28. Vision and Hearing

**This community health report is issued by
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