

Tarrant County

M. A. P.

Monitoring & Assessment Project



Community Health Report Card

August 2003

*... a comprehensive report of
the community's health status
in Tarrant County
for 2000-2001*



Tarrant County Public Health
Epidemiology and Health Information



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M.A.P. Partners & Data Sources

We thank our community partners and organizations sharing data.

Alcon, Inc.	Healthy Tarrant County Collaborations
Baylor CTR	North Central Texas Council of Governments
Tarrant County Sheriff's Office*	Tarrant County Community Development
Catholic Charities	Texas Association of Local Health Officials*
City of Arlington	Texas Commission on Alcohol and Drug Abuse*
Ft. Worth Public Health Department	Texas Commission on Environmental Quality*
JPS Health Network	Texas Department of Health*
Medical Center of Arlington	Texas Department of Public Safety*
Mental Health Association of Tarrant	Texas Education Agency*
Mental Health Mental Retardation*	Texas Immunization Survey*
Osteopathic Medical Center, TX	TX Behavioral Risk Factor Surveillance System*
Parkland Hospital System	TX Department of Protective & Regulatory Services*
Tarrant County Challenge Inc.*	U.S. Department of Health & Human Services*
Tarrant County Hospital Council	U.S. Census 2000*
Tarrant County Medical Society	United Way of Metropolitan Tarrant County
Tarrant County Public Health*	UNT Health Science Center
Tarrant County Youth Collaboration	

* Data providers

Key Findings

- ◆ Overall, the health of Tarrant County is comparable to that of the state of Texas and the United States, and shows trends in most of the health indicators similar to that of the state and the nation.
- ◆ By the year 2001, Tarrant County had met 20 percent of the corresponding Healthy People 2010 objectives for selected health indicators. These include adolescent pregnancy, diabetes mortality, hepatitis A, enteric diseases, and child abuse and neglect.
- ◆ During the years of 2000 and 2001, Tarrant County showed improvement in ten of the health indicators. Health indicators that showed progress include poverty, child mortality, adolescent pregnancy, gonorrhea, new HIV cases, hepatitis A, enteric diseases, child abuse and neglect, and intentional injury related deaths.
In contrast, health status declined in ten health indicators and remained unchanged in 15 health indicators in this time period. Health indicators that showed a decline include unemployment, infant mortality, low birth weight infants, diabetes mortality, primary and secondary syphilis, hepatitis B, tuberculosis, air quality, substance abuse deaths and unintentional injury related deaths.
- ◆ Of the seven health domains (refer to page 3), environmental health showed the greatest improvement between 2000 and 2001, followed by infectious diseases and maternal and child health. Chronic diseases remained unchanged.



In 2001 Tarrant County Public Health, supported by a Texas Department of Health Innovation Grant, launched the Monitoring & Assessment Project (M.A.P.) with a primary goal to create a comprehensive community health report card. This report establishes a baseline for accurate, periodic assessment of our community's progress towards improving health. The county's health indicators are based on the statewide Texas Strategic Health Status Indicators and also are being compared to Healthy People 2010 benchmarks.

Core health indicators include:

- ◆ **Domain I. Community Profile**
 - demographic and socioeconomic data, quality of life, health resources
- ◆ **Domain II. Maternal & Child Health**
 - infant mortality, child mortality, prenatal care, adolescent pregnancy, low birth weight, immunization
- ◆ **Domain III. Chronic Diseases**
 - cardiovascular disease mortality, cancer mortality, diabetes mortality, chronic obstructive pulmonary disease mortality, stroke mortality, obesity morbidity, diabetes morbidity
- ◆ **Domain IV. Infectious Diseases**
 - STDs, body fluid-borne pathogens, tuberculosis
- ◆ **Domain V. Environmental Health**
 - enteric disease, hepatitis A, lead poisoning, air and water quality
- ◆ **Domain VI. Social & Mental Health**
 - suicide, substance abuse, child abuse and neglect, crime arrests, divorce, mental illness
- ◆ **Domain VII. Injury**
 - intentional injuries, unintentional injuries

This report card shows Tarrant County's health status and progress in selected health-related indicators. See page five for an explanation of how to interpret this report. The full M.A.P. report can be obtained from the Health Intelligence Center, Tarrant County Public Health, by calling (817) 321-5350 or on our Web site: <http://health.tarrantcounty.com>. The scores give only an approximate picture of the current health status of Tarrant County on various health-related objectives. It is suggested that this report be considered along with additional sources of current health information.

Abbreviations

- ◆ M.A.P. = Monitoring & Assessment Project
- ◆ HP 2010 = Healthy People 2010
- ◆ STD = Sexually Transmitted Diseases
- ◆ HIV = Human Immunodeficiency virus



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 contains 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.*

Tarrant County M.A.P. & Healthy People 2010

The Tarrant County Health M.A.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 our achievements and challenges toward meeting local and national health goals and objectives.

By building a healthier county, we are one step closer to a healthier nation.

* <http://www.healthypeople.gov>

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

HOW TO INTERPRET SCORES

The score for each selected indicator is located at the end of each indicator. The scores given for each health indicator are derived by comparing the 2001 health data to 2000 baseline data for Tarrant County, and to the corresponding national Healthy People 2010 objectives.

The scoring format is explained below.

Progress of health status*	
+	health improved
0	health unchanged
-	health declined
N/A	not available or not applicable
Achievement of HP 2010	
Y	objective achieved
N	objective not achieved
N/A	not applicable

* Progress of health status was determined based on the proportion of change in each indicator.

<Example>

Score:

Health Status +

HP 2010 N

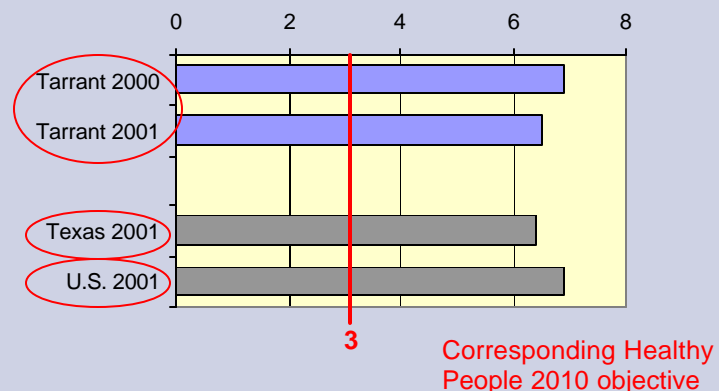
Score for the progress of health status

Score for the achievement of HP 2010

HOW TO INTERPRET CHARTS

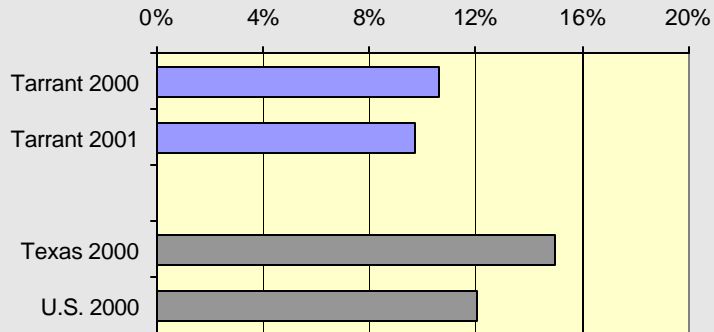
For each indicator, the report presents Tarrant County charts for the years 2000 and 2001 (blue bars) compared to Texas and U.S. 2001 (grey bars). For some indicators, the 2001 data was not available for the state of Texas and the nation. In these cases, year 2000 data was used for comparison. The corresponding HP 2010 objectives are presented as vertical red lines which indicate Tarrant County's progress toward meeting the stated goal (see example below). When there is **no** HP 2010 objective that directly corresponds with a Tarrant County health indicator, a related HP 2010 objective is referenced below the chart.

<Example>



◆ **Socioeconomic status**

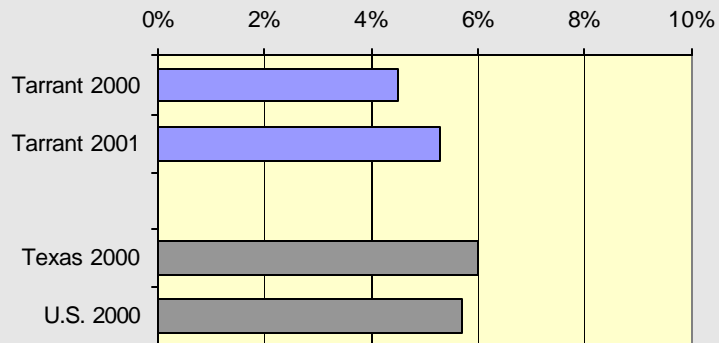
• **Poverty** (percent below poverty level)



Score: Health Status **+** HP 2010 **N/A**

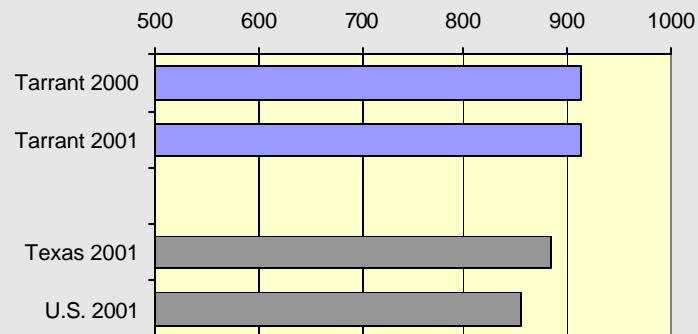
• **Unemployment**

(percent unemployed in labor force age 16 and over)



Score: Health Status **-** HP 2010 **N/A**

• **All cause mortality** (age adjusted rate per 100,000)

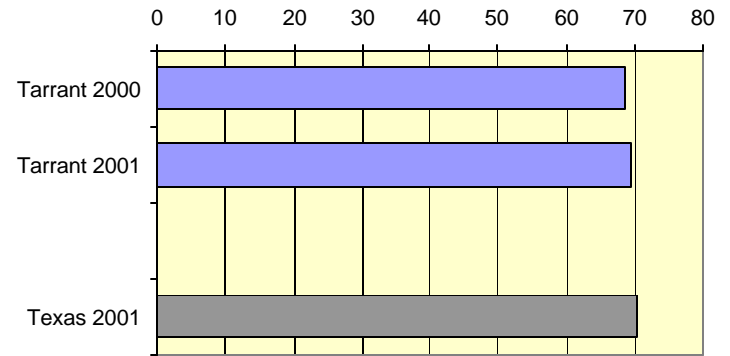


Score: Health Status **0** HP 2010 **N/A**

Interpretation of Score: Health Status (+ improved / 0 no change / - declined)

Red line: HP 2010 objectives

◆ **Quality of Life : YPLL*** (rate per 1,000 population)



Score: Health Status **0** HP 2010 **N/A**

* YPLL: Years of potential life lost before age 75

◆ **Health Resources**

• **Population to health care professional (HCP) ratio - 2003**

Professionals	Number of HCP	Population per HCP	
	Tarrant	Tarrant	Texas
Primary Care Physicians (PCP)	1,059	1403.9	1477.1
Nurses	10,066	147.7	156.4
Dentists	587	2532.8	2820.4

• **Health professional shortage areas (HPSA) / Medically underserved areas (MUA) - 2001**

HPSA	None
MUA	Partial (part of Arlington and Ft. Worth)

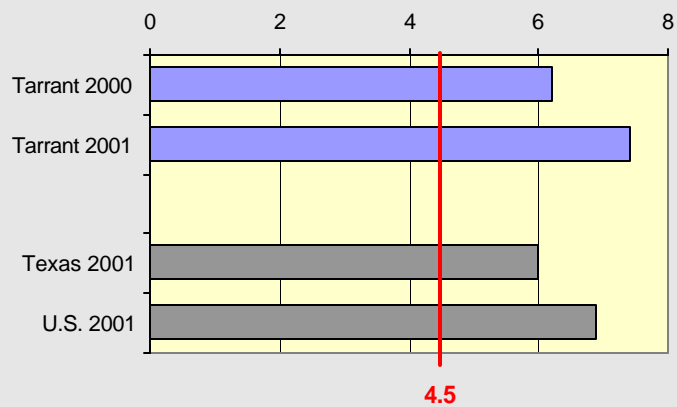
• **Medicaid eligible - 2001**

Number eligible for Medicaid	129,081
Medicaid provider (PCP)	192
Medicaid provider (Dentist)	100
Medicaid eligible per Medicaid provider (PCP)	672
Medicaid eligible per Medicaid provider (Dentist)	1,291

Score: Health Status **N/A** HP 2010 **N/A**

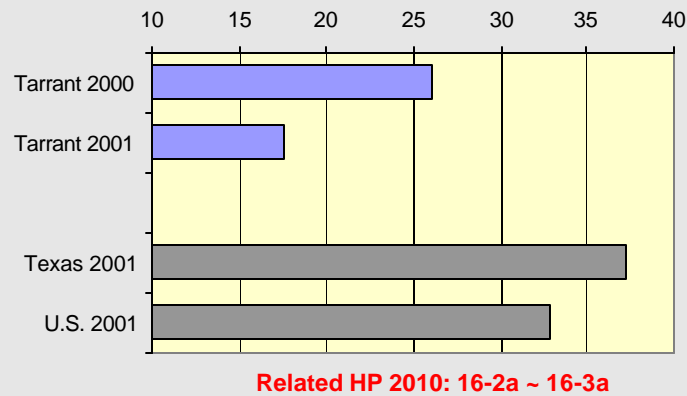
HP 2010 (Y objective achieved / N objective not achieved) **N/A:** not applicable

◆ **Infant mortality** (per 1,000 live births)



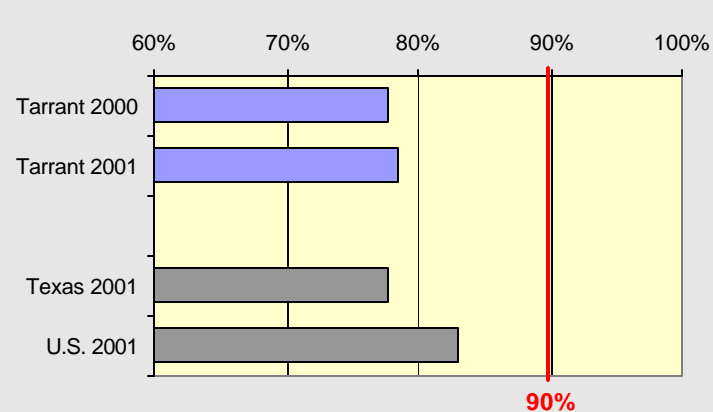
Score: Health Status - HP 2010 **N**

◆ **Child mortality** (per 100,000 children age 1-14)



Score: Health Status + HP 2010 **N/A**

◆ **Prenatal care in first trimester** (% of all live births)

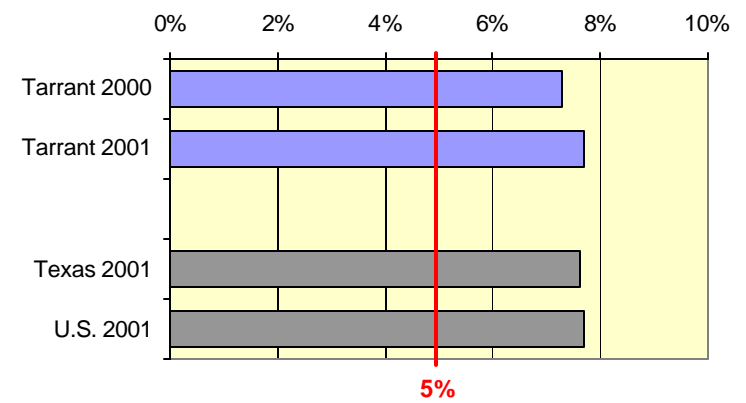


Score: Health Status **0** HP 2010 **N**

Interpretation of Score: Health Status (+ improved / 0 no change / - declined)

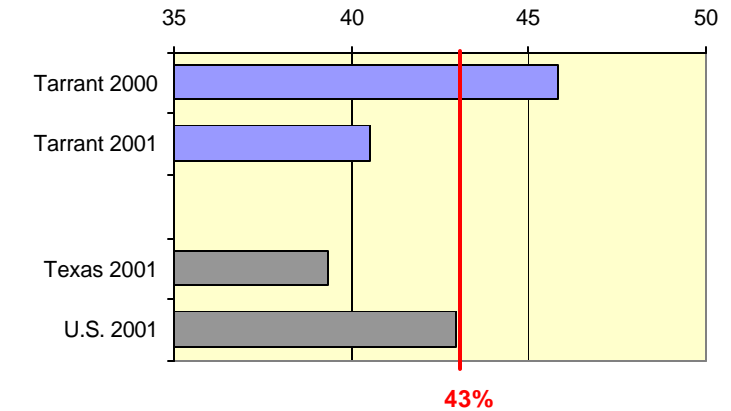
Red line: HP 2010 objectives

◆ **Low birth weight infants** (% of all live births)



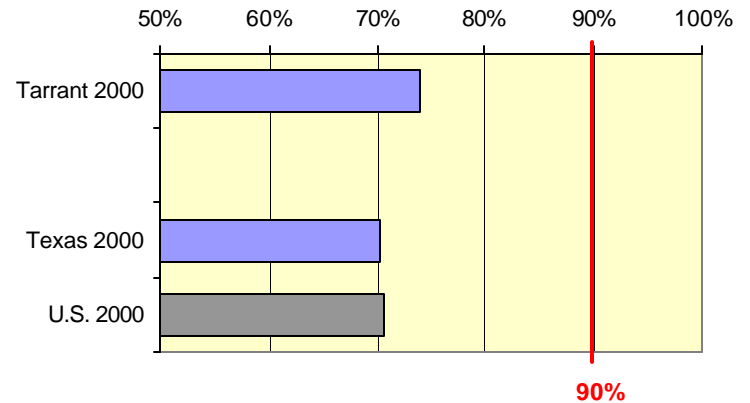
Score: Health Status - HP 2010 **N**

◆ **Adolescent pregnancy** (per 1,000 female age 15-17)



Score: Health Status + HP 2010 **Y**

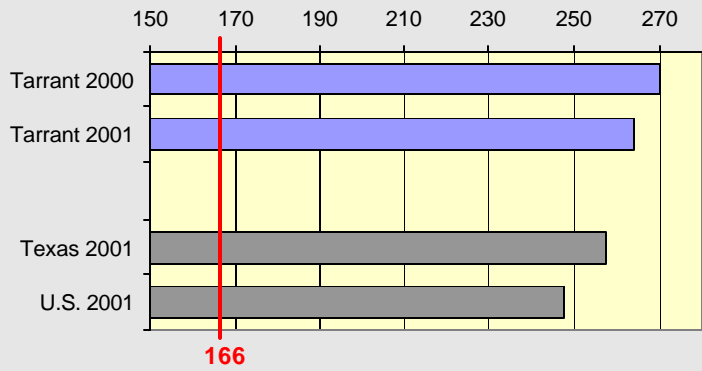
◆ **Immunization** (% of children age 24 months)



Score: Health Status **N/A** HP 2010 **N**

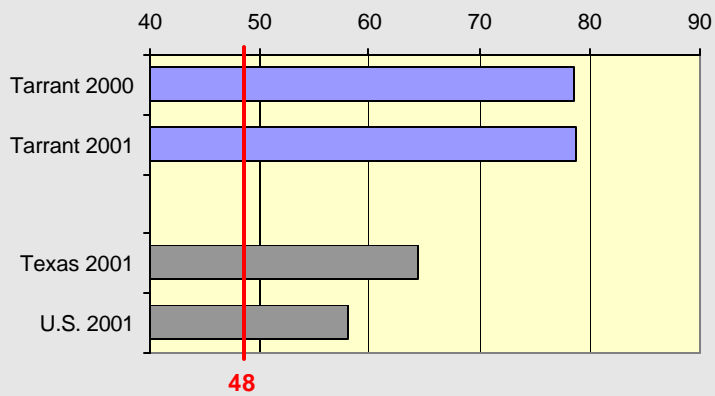
HP 2010 (Y objective achieved / N objective not achieved) **N/A:** not applicable

◆ **Diseases of the heart mortality** (age adjusted rate per 100,000)



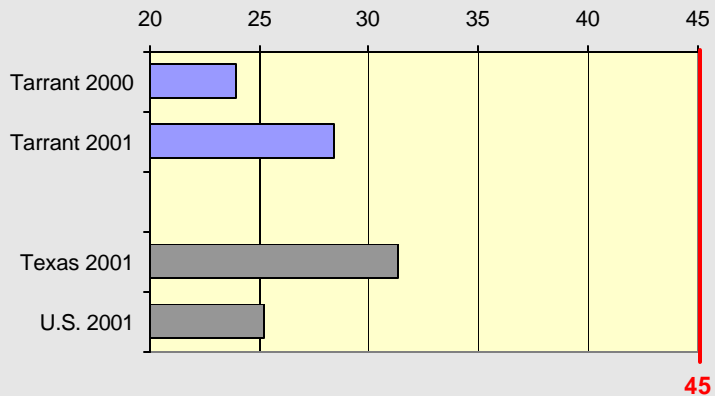
Score: Health Status **0** HP 2010 **N**

◆ **Stroke mortality** (age adjusted rate per 100,000)



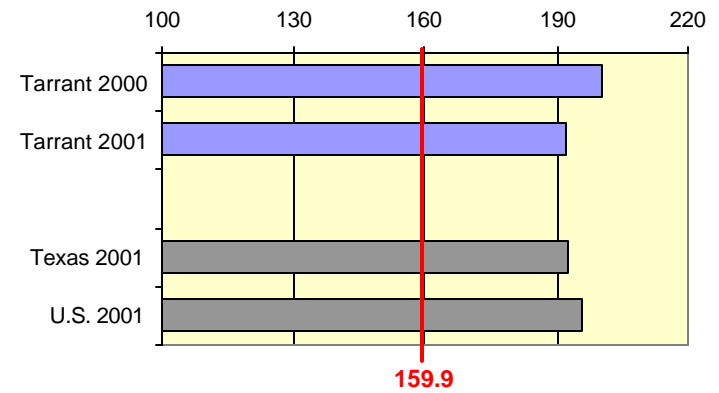
Score: Health Status **0** HP 2010 **N**

◆ **Diabetes mortality** (age adjusted rate per 100,000)



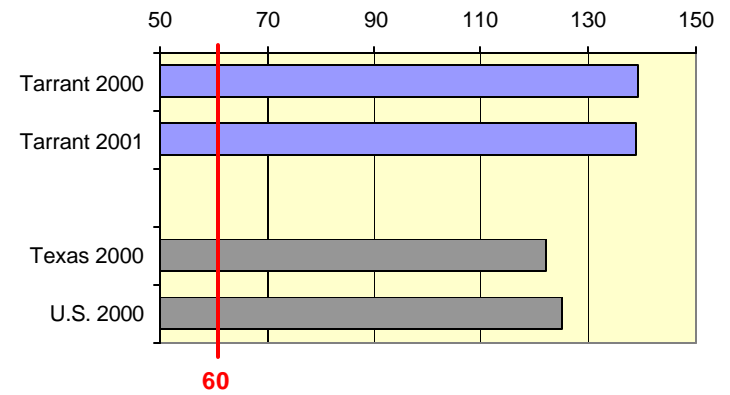
Score: Health Status **-** HP 2010 **Y**

◆ **Cancer mortality** (age adjusted rate per 100,000)



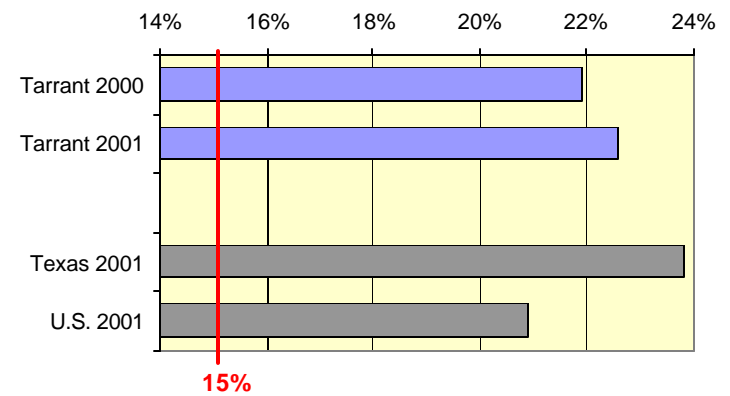
Score: Health Status **0** HP 2010 **N**

◆ **Chronic obstructive pulmonary disease mortality** (age adjusted rate per 100,000 adult age 45 and older)



Score: Health Status **0** HP 2010 **N**

◆ **Obesity prevalence** (percent)

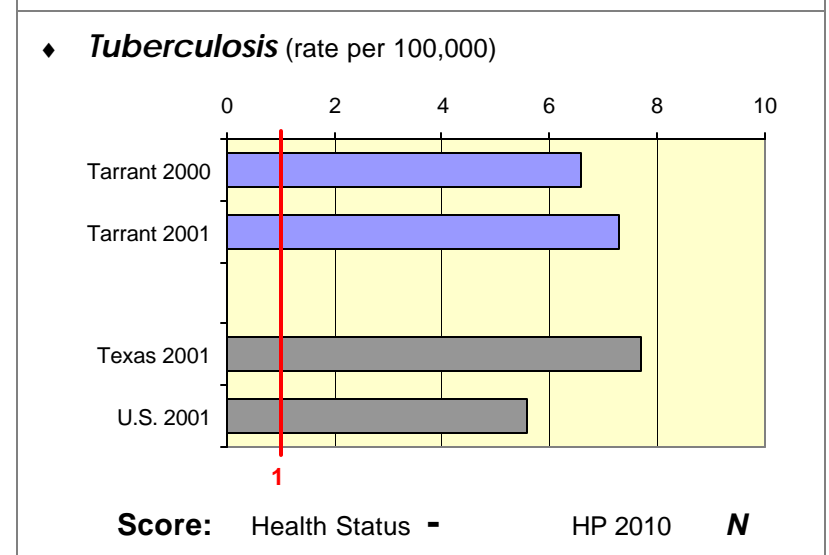
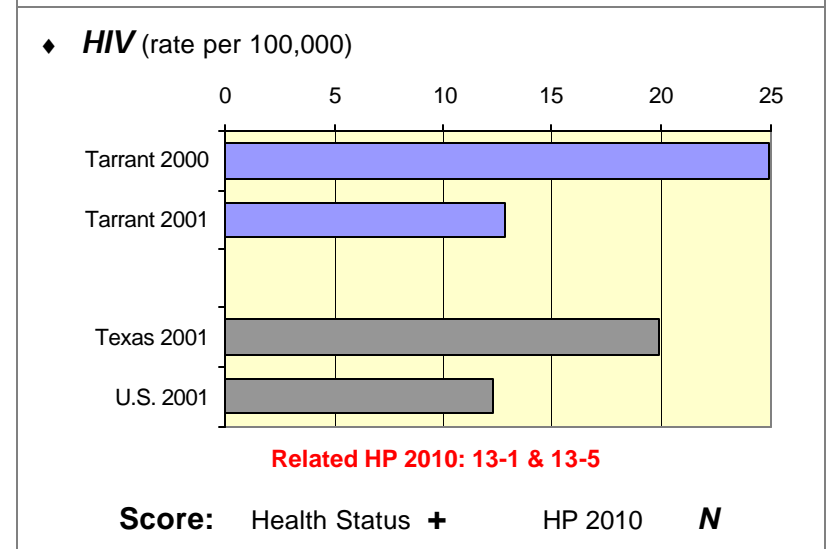
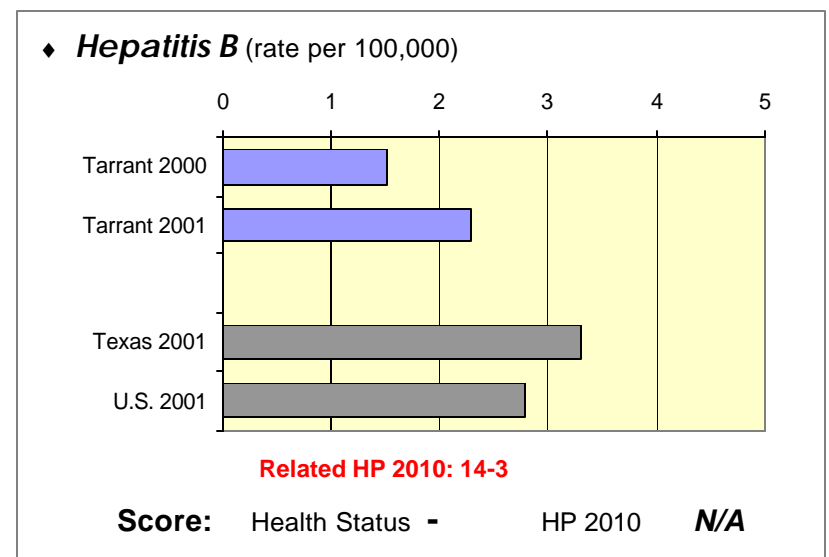
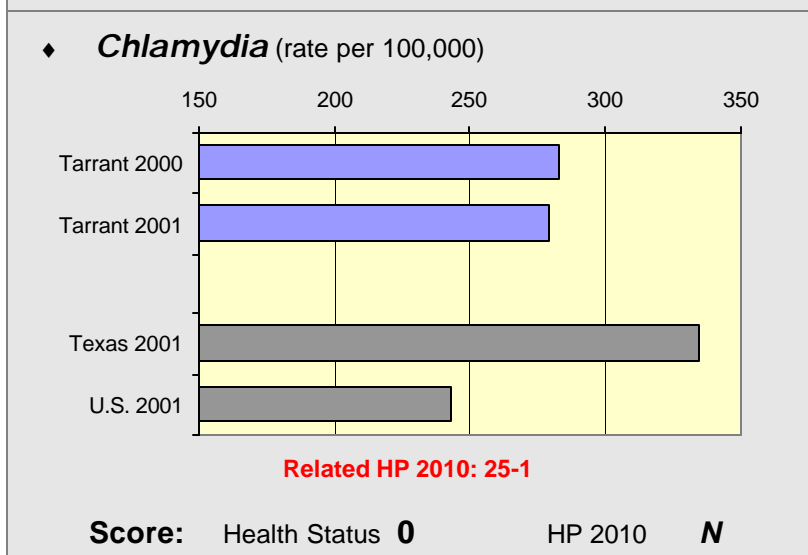
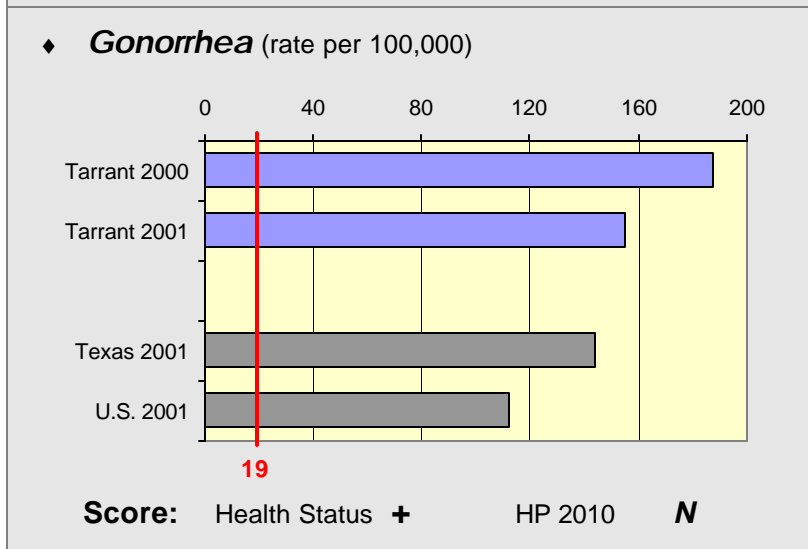
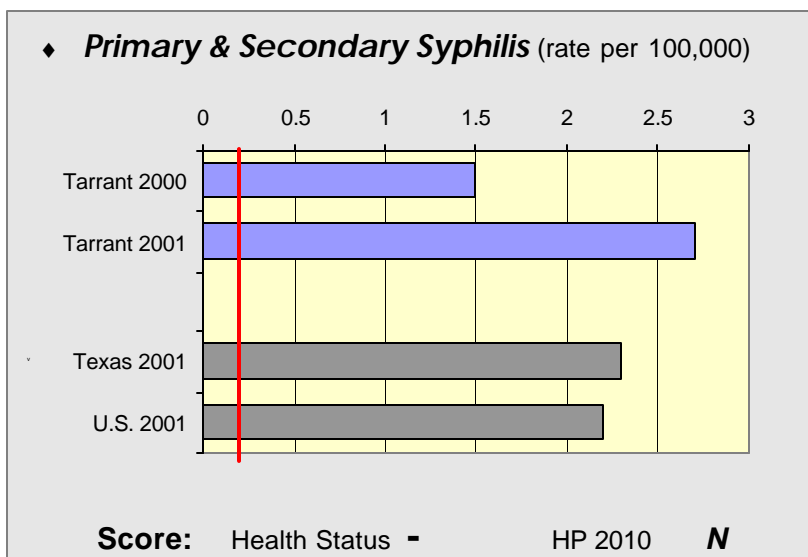


Score: Health Status **0** HP 2010 **N**

Interpretation of Score: Health Status (+ improved / 0 no change / - declined)

Red line: HP 2010 objectives

HP 2010 (Y objective achieved / N objective not achieved) N/A: not applicable

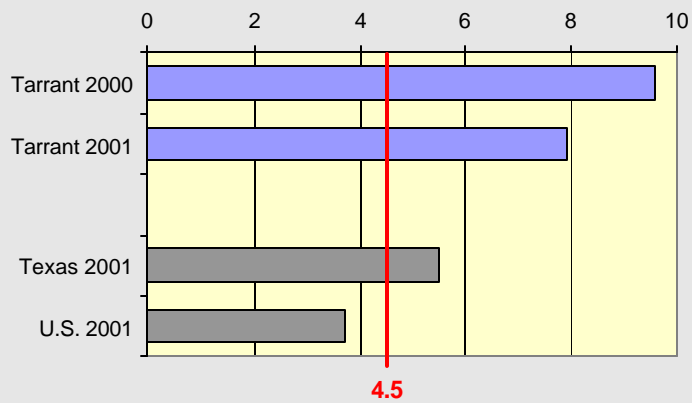


Interpretation of Score: Health Status (+ improved / 0 no change / - declined)

Red line: HP 2010 objectives

HP 2010 (Y objective achieved / N objective not achieved) N/A: not applicable

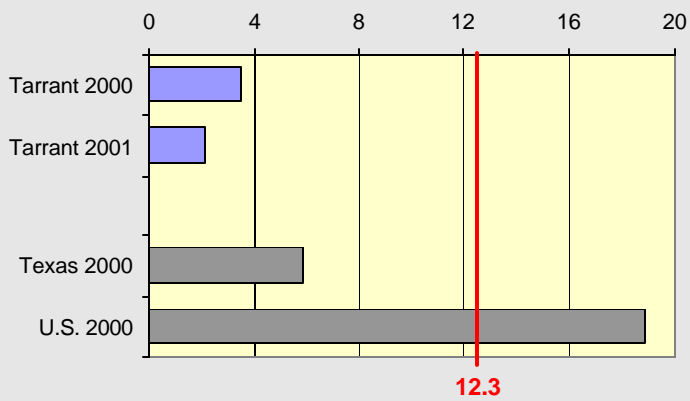
◆ **Hepatitis A** (rate per 100,000)



Score: Health Status - HP 2010 **N**

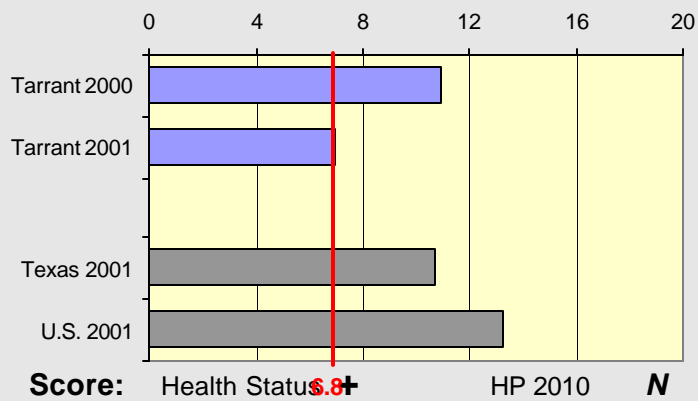
◆ **Enteric disease**

• **Campylobacteriosis** (rate per 100,000)



Score: Health Status + HP 2010 **Y**

• **Salmonellosis** (rate per 100,000)

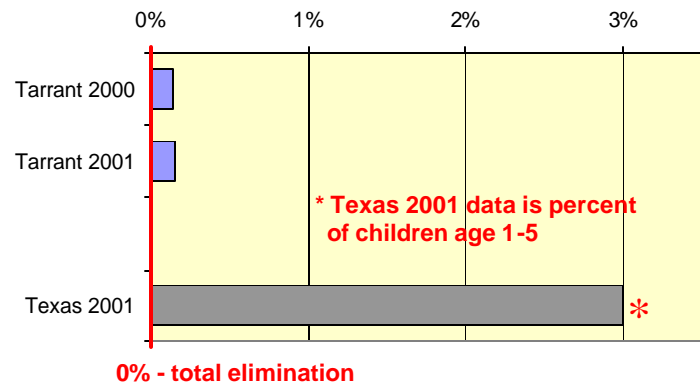


Score: Health Status **S.8+** HP 2010 **N**

Interpretation of Score: Health Status (+ improved / 0 no change / - declined)

Red line: HP 2010 objectives

◆ **Lead poisoning in children**
(percent children age 1-6)



Score: Health Status **0** HP 2010 **N**

◆ **Air quality**

Number of days with violation of EPA air quality standard per year		
Air pollutant	2000	2001
Ozone*	18	25
Particulate matter	0	0
Carbon monoxide	0	0
Nitrogen dioxide	0	0
Sulfur dioxide	0	0
Lead	0	0

* Ozone: 8 hours standard * Related HP 2010: 8-1

Score: Health Status - HP 2010 **N**

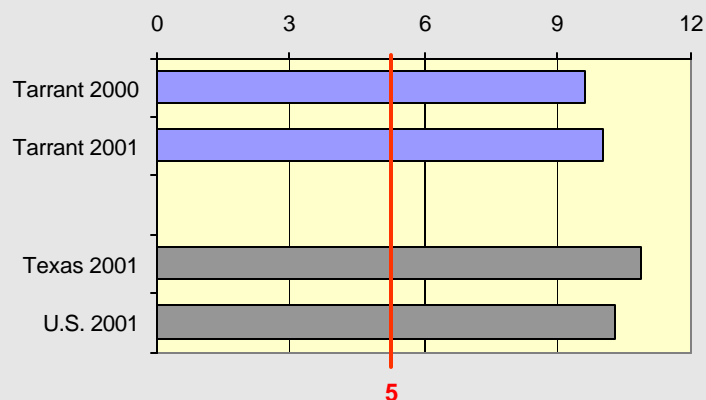
◆ **Water quality** (% population served)

2000-2001	Tarrant	TX	HP 2010
Fluoridated Water	97 %	NA	NA
Public Water System	94 %	97 %	95%

Score: Health Status **0** HP 2010 **N**

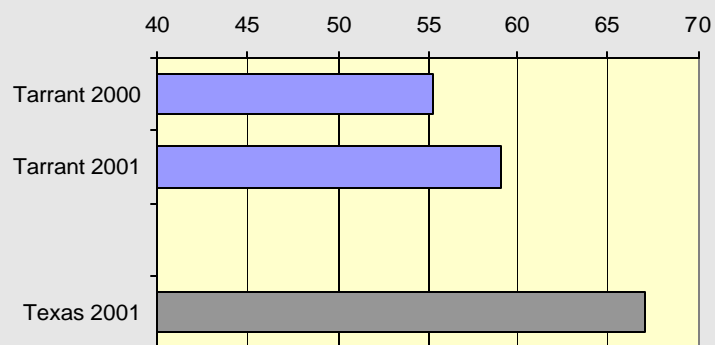
HP 2010 (Y objective achieved / N objective not achieved) **N/A:** not applicable

◆ **Suicide** (crude rate per 100,000)



Score: Health Status **0** HP 2010 **N**

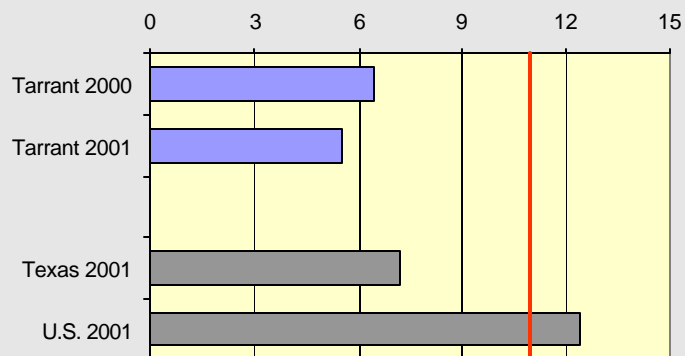
◆ **Substance abuse deaths** (crude rate per 100,000)



Related HP 2010: 26

Score: Health Status **-** HP 2010 **N/A**

◆ **Child abuse & neglect** (rate per 1,000 children)



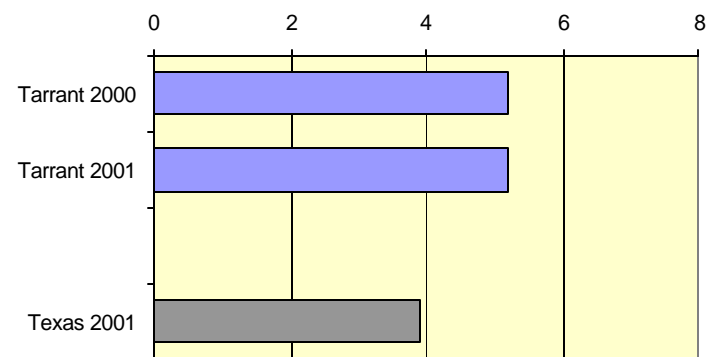
11.1

Score: Health Status **+** HP 2010 **Y**

Interpretation of Score: Health Status (+ improved / 0 no change / - declined)

Red line: HP 2010 objectives

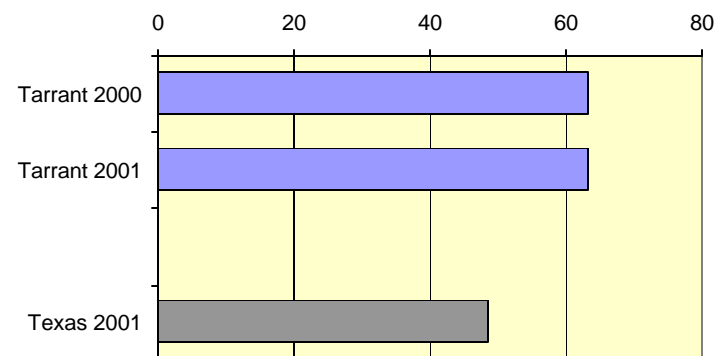
◆ **Divorce** (rate per 1,000)



No corresponding HP 2010 objective

Score: Health Status **0** HP 2010 **N/A**

◆ **Crime arrests** (rate per 1,000)

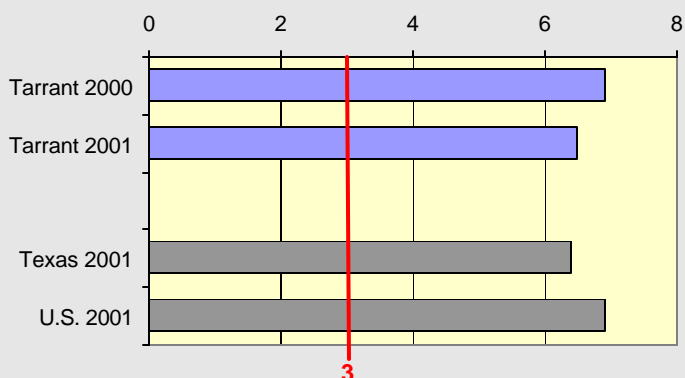


No corresponding HP 2010 objective

Score: Health Status **0** HP 2010 **N/A**

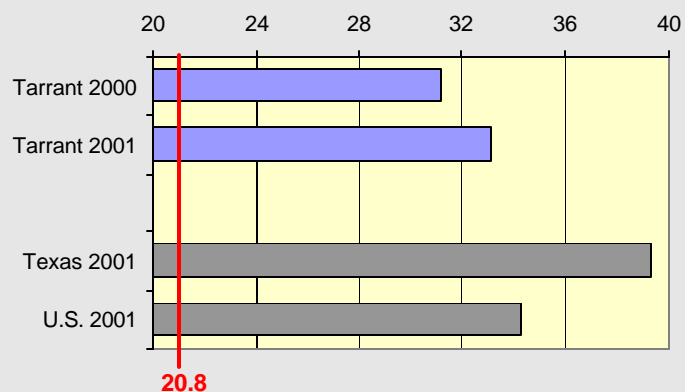
HP 2010 (Y objective achieved / N objective not achieved) N/A: not applicable

◆ **Intentional injury-related deaths: Homicide**
(age adjusted rate per 100,000)



Score: Health Status **+** HP 2010 **N**

◆ **Unintentional injury-related deaths**
(age adjusted rate per 100,000)



Score: Health Status **-** HP 2010 **N**

Interpretation of Score

Health Status (**+** improved / **0** no change / **-** declined)

HP 2010 (**Y** objective achieved / **N** objective not achieved) **N/A**: not applicable

Red line: HP 2010 objectives

SUMMARY TABLE
SCORES FOR THE SELECTED INDICATORS

Domain	Indicator	Progress of health status	Achievement of HP 2010
Community Profile	Poverty	+	N/A
	Unemployment	-	N/A
	All cause mortality	0	N/A
	YPLL	0	N/A
	Health resources	N/A	N/A
Maternal & Child Health	Infant mortality	-	N
	Child mortality	+	N/A
	Prenatal care in 1 st trimester	0	N
	Low birth weight infants	-	N
	Adolescent pregnancy	+	Y
	Immunization	N/A	N
Chronic Diseases	Heart disease mortality	0	N
	Stroke mortality	0	N
	Diabetes mortality	-	Y
	Cancer mortality	0	N
	COPD mortality	0	N
	Obesity prevalence	0	N
Infectious Diseases	1° & 2° syphilis	-	N
	Gonorrhea	+	N
	Chlamydia	0	N
	Hepatitis B	-	N/A
	HIV	+	N
	Tuberculosis	-	N
Environmental Health	Hepatitis A	+	Y
	Campylobacteriosis	+	Y
	Salmonellosis	+	N
	Lead poisoning (children)	0	N
	Air quality	-	N
	Water quality	0	N
Social & Mental Health	Suicide	0	N
	Substance abuse- related deaths	-	N/A
	Child abuse & neglect	+	Y
	Divorce	0	N/A
	Crime arrests	0	N/A
Injury	Intentional injury-related deaths	+	N
	Unintentional injury-related deaths	-	N



**TARRANT COUNTY
PUBLIC HEALTH**

1101 South Main Street, Fort Worth, TX 76104
(817) 321-4700

*This community health report card
is issued by Tarrant County Public
Health's Monitoring & Assessment
Project (M.A.P.).*