

**House of Representatives  
Committee on Public Health  
February 20, 2013**

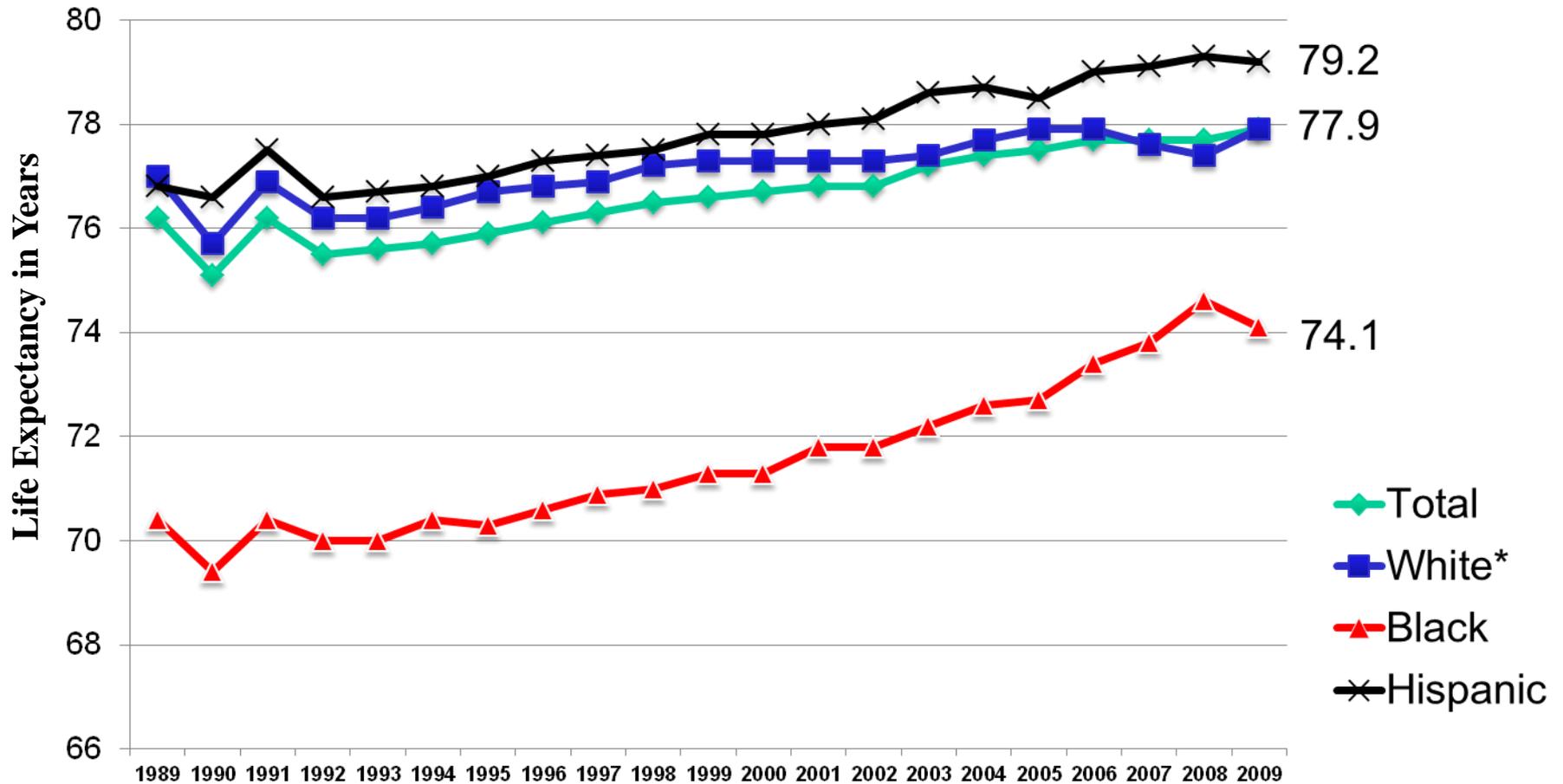
***Health in Texas***

**David Lakey, M.D.  
Commissioner**



# Life Expectancy in Texas

Total and by Race (1989 – 2009)



# 10 Leading Causes of Death in Texas (2009)

Rank	Cause	Number of Deaths	% of All Deaths
1	Heart Diseases	38,008	23.3%
2	Malignant Neoplasms	35,531	21.8%
3	Accidents	9,310	5.7%
4	Cerebrovascular Diseases	9,118	5.6%
5	Chronic Lower Respiratory Diseases	8,624	5.3%
6	Alzheimer's Disease	5,062	3.1%
7	Diabetes Mellitus	4,866	3.0%
8	Nephritis, Nephrotic Syndrome, Nephrosis	3,688	2.3%
9	Influenza And Pneumonia	3,380	2.1%
10	Septicemia	3,085	1.9%
Deaths from all causes		162,792	
<i>Ten leading causes account for</i>			<b>75.3%</b>

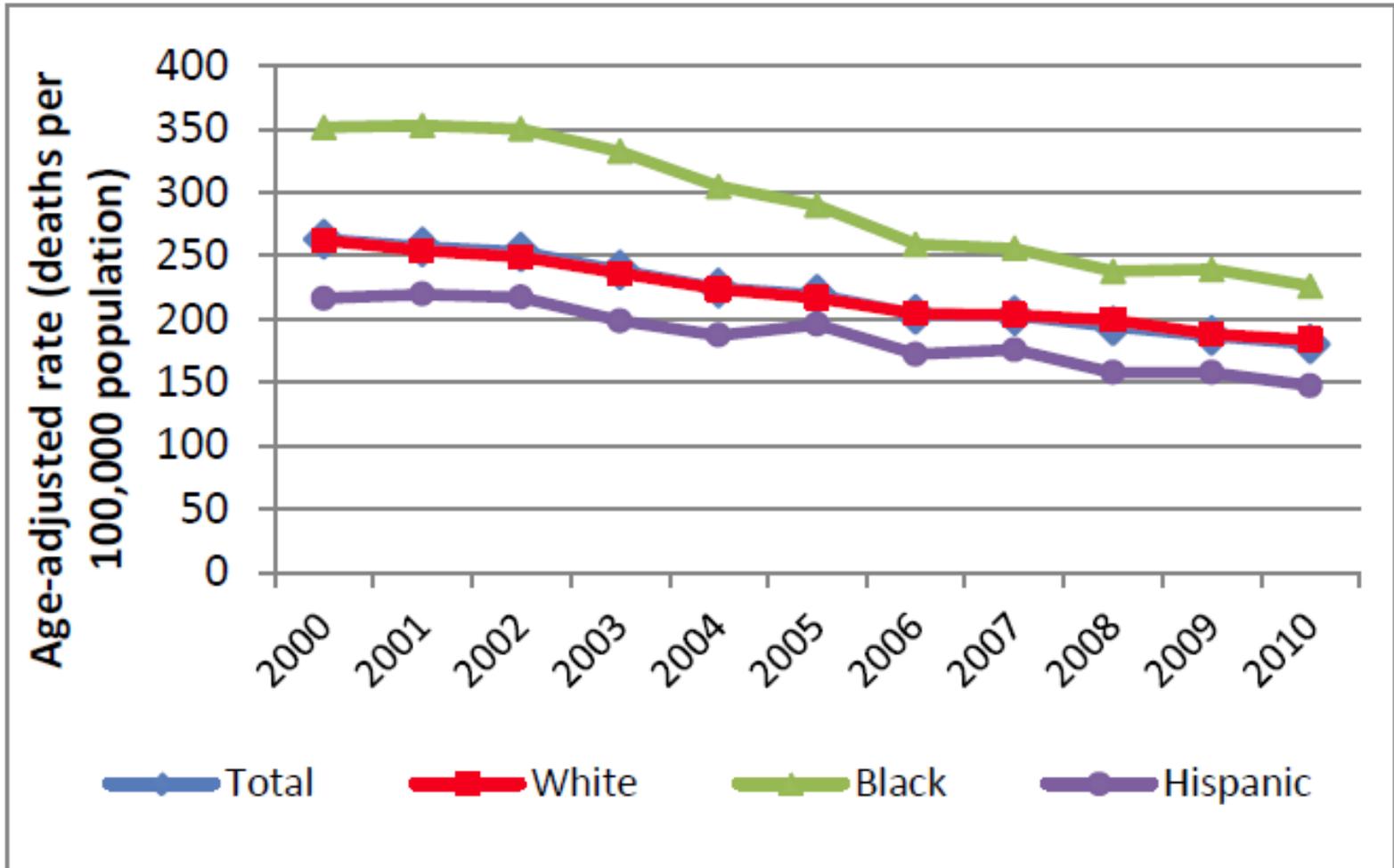
# 5 Leading Causes of Death for Males, number of deaths and rates (numbers per 100,000), Texas 2010

Rank	Age Group							
	1-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
1	Accidents (Injuries) 200 (7.3)	Accidents (Injuries) 844 (44.4)	Accidents (Injuries) 904 (49.6)	Accidents (Injuries) 799 (46.4)	Diseases of the Heart 1,916 (112.5)	Malignant Neoplasms (Cancer) 4,264 (339.2)	Malignant Neoplasms (Cancer) 5,340 (77.1)	Diseases of the Heart 9,989 (2,227.1)
2	Malignant Neoplasms (Cancer) 63 (2.3)	Intentional Self-Harm (Suicide) 332 (17.5)	Intentional Self-Harm (Suicide) 357 (20.6)	Diseases of the Heart 579 (33.6)	Malignant Neoplasms (Cancer) 1,879 (110.3)	Diseases of the Heart 3,596 (286.1)	Diseases of the Heart 3,833 (557.8)	Malignant Neoplasms (Cancer) 7,501 (1,672.4)
3	Assault (Homicide) 36 (1.3)	Assault (Homicide) 292 (15.4)	Assault (Homicide) 277 (15.2)	Malignant Neoplasms (Cancer) 420 (24.4)	Accidents (Injuries) 952 (55.9)	Accidents (Injuries) 694 (55.2)	Chronic Lower Respiratory Diseases 1,136 (165.3)	Chronic Lower Respiratory Diseases 2,549 (568.3)
4	Congenital Malformations 26 (0.9)	Malignant Neoplasms (Cancer) 85 (4.5)	Diseases of the Heart 181 (9.9)	Intentional Self-Harm (Suicide) 404 (23.4)	Chronic Liver Disease & Cirrhosis 574 (33.7)	Chronic Liver Disease & Cirrhosis 661 (52.6)	Cerebrovascular Disease (Stroke) 729 (106.1)	Cerebrovascular Disease (Stroke) 2,127 (474.2)
5	Diseases of the Heart 17 (0.6)	Diseases of the Heart 52 (2.7)	Malignant Neoplasms (Cancer) 144 (7.9)	HIV 162 (9.4)	Intentional Self-Harm (Suicide) 491 (28.8)	Diabetes Mellitus 569 (45.3)	Diabetes Mellitus 588 (85.6)	Alzheimer's Disease 1,445 (322.2)

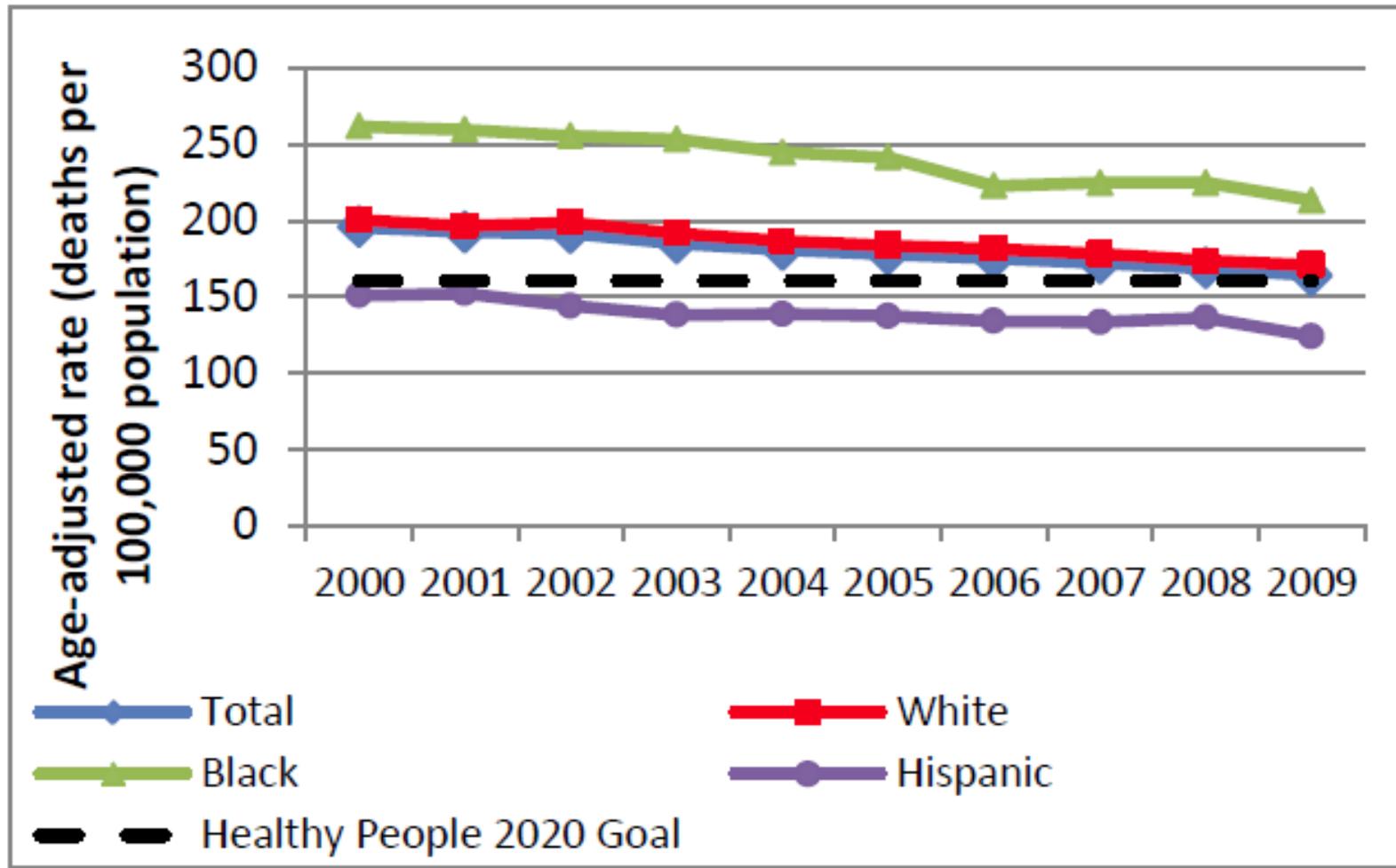
# 5 Leading Causes of Death for Females, number of deaths and rates (numbers per 100,000), Texas 2010

Rank	Age Group							
	1-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
1	Accidents (Injuries) 118 (4.5)	Accidents (Injuries) 328 (18.2)	Accidents (Injuries) 307 (17.1)	Malignant Neoplasms (Cancer) 548 (31.6)	Malignant Neoplasms (Cancer) 1,847 (106.6)	Malignant Neoplasms (Cancer) 3,247 (242.2)	Malignant Neoplasms (Cancer) 3,974 (506.2)	Diseases of the Heart 12,643 (1,856.3)
2	Malignant Neoplasms (Cancer) 69 (2.6)	Intentional Self-Harm (Suicide) 66 (3.7)	Malignant Neoplasms (Cancer) 186 (10.4)	Accidents (Injuries) 331 (19.1)	Diseases of the Heart 933 (53.9)	Diseases of the Heart 1,596 (119.1)	Diseases of the Heart 2,352 (299.6)	Malignant Neoplasms (Cancer) 7,016 (1,030.1)
3	Congenital Malformations 40 (1.5)	Malignant Neoplasms (Cancer) 64 (3.6)	Intentional Self-Harm (Suicide) 105 (5.9)	Diseases of the Heart 264 (15.2)	Accidents (Injuries) 487 (28.1)	Chronic Lower Respiratory Diseases 480 (35.8)	Chronic Lower Respiratory Diseases 1,014 (129.2)	Cerebrovascular Disease (Stroke) 3,927 (576.6)
4	Assault (Homicide) 25 (1.0)	Assault (Homicide) 57 (3.2)	Diseases of the Heart 75 (4.2)	Intentional Self- Harm (Suicide) 116 (6.7)	Cerebrovascular Disease (Stroke) 241 (13.9)	Cerebrovascular Disease (Stroke) 402 (30.0)	Cerebrovascular Disease (Stroke) 644 (82.0)	Alzheimer's Disease 3,379 (496.1)
5	Diseases of the Heart 15 (0.6)	Pregnancy, Childbirth, Puerperium 25 (1.4)	Assault (Homicide) 75 (4.2)	Cerebrovascular Disease (Stroke) 80 (4.6)	Chronic Liver Disease & Cirrhosis 223 (12.9)	Diabetes Mellitus 380 (28.3)	Diabetes Mellitus 466 (59.4)	Chronic Lower Respiratory Diseases 2,830 (415.5)

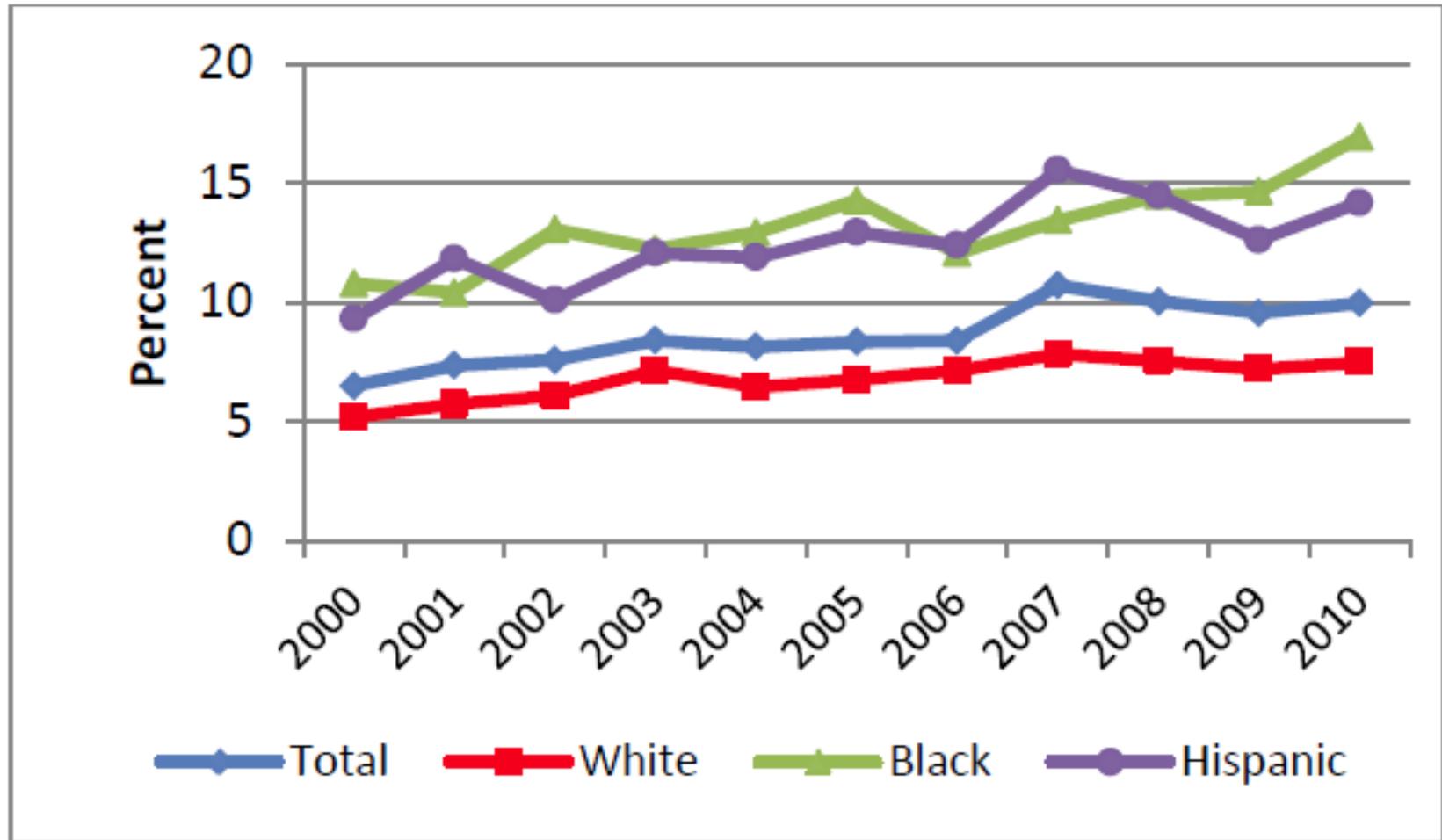
# Heart Disease Death Rates in Texas by Race and Ethnicity



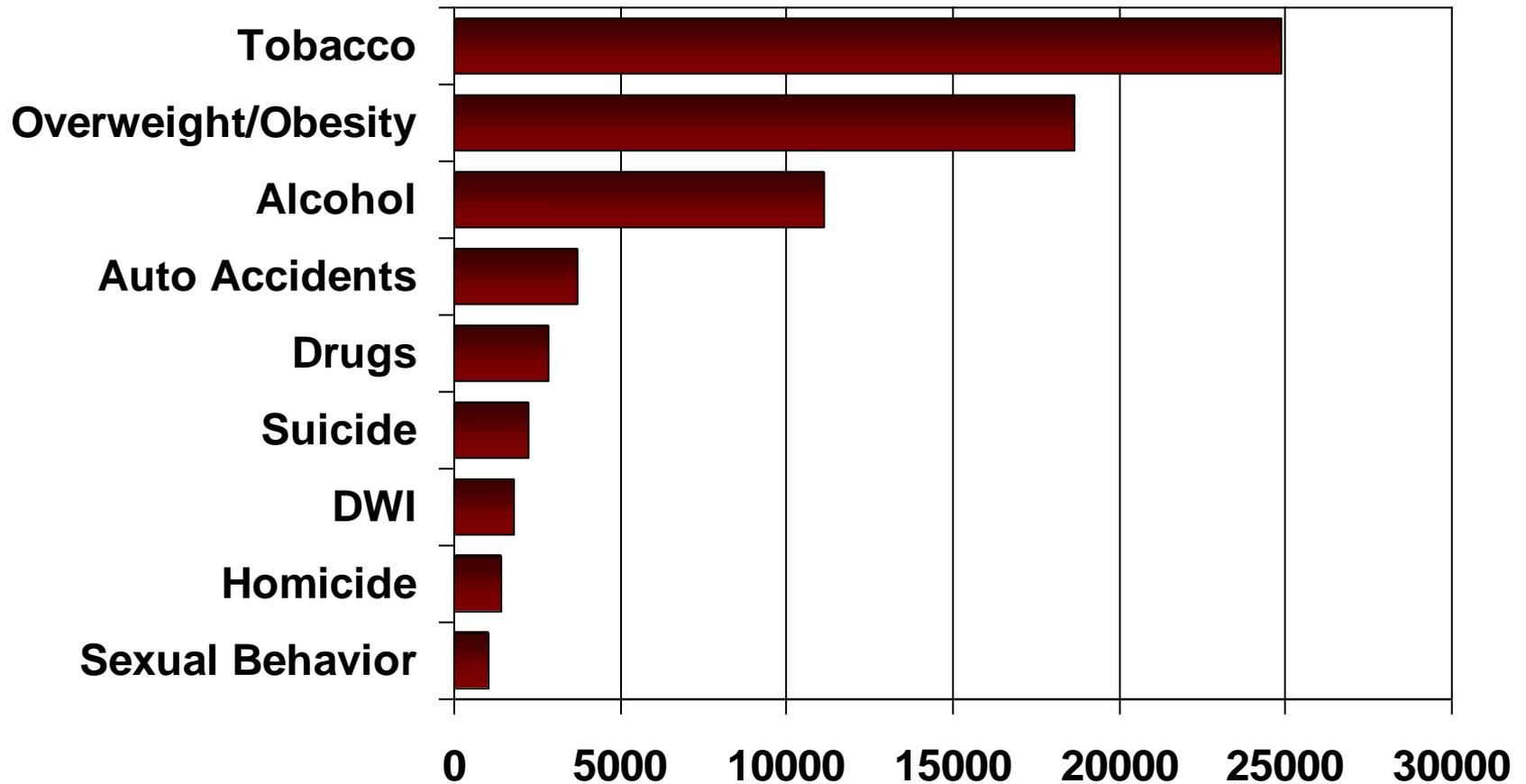
# Cancer Death Rates for All Cancer Types in Texas by Race and Ethnicity



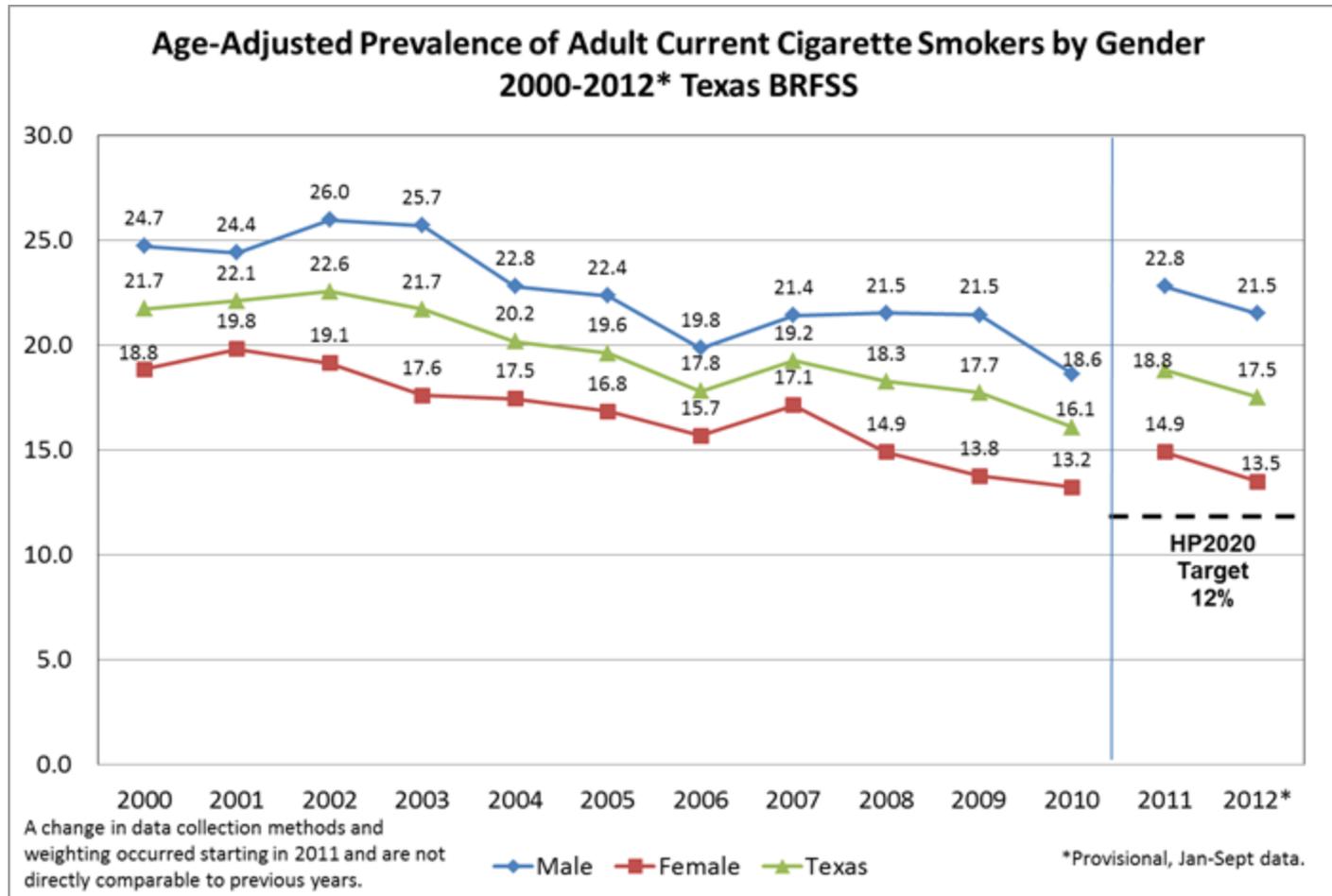
# Prevalence of Diabetes by Race and Ethnicity



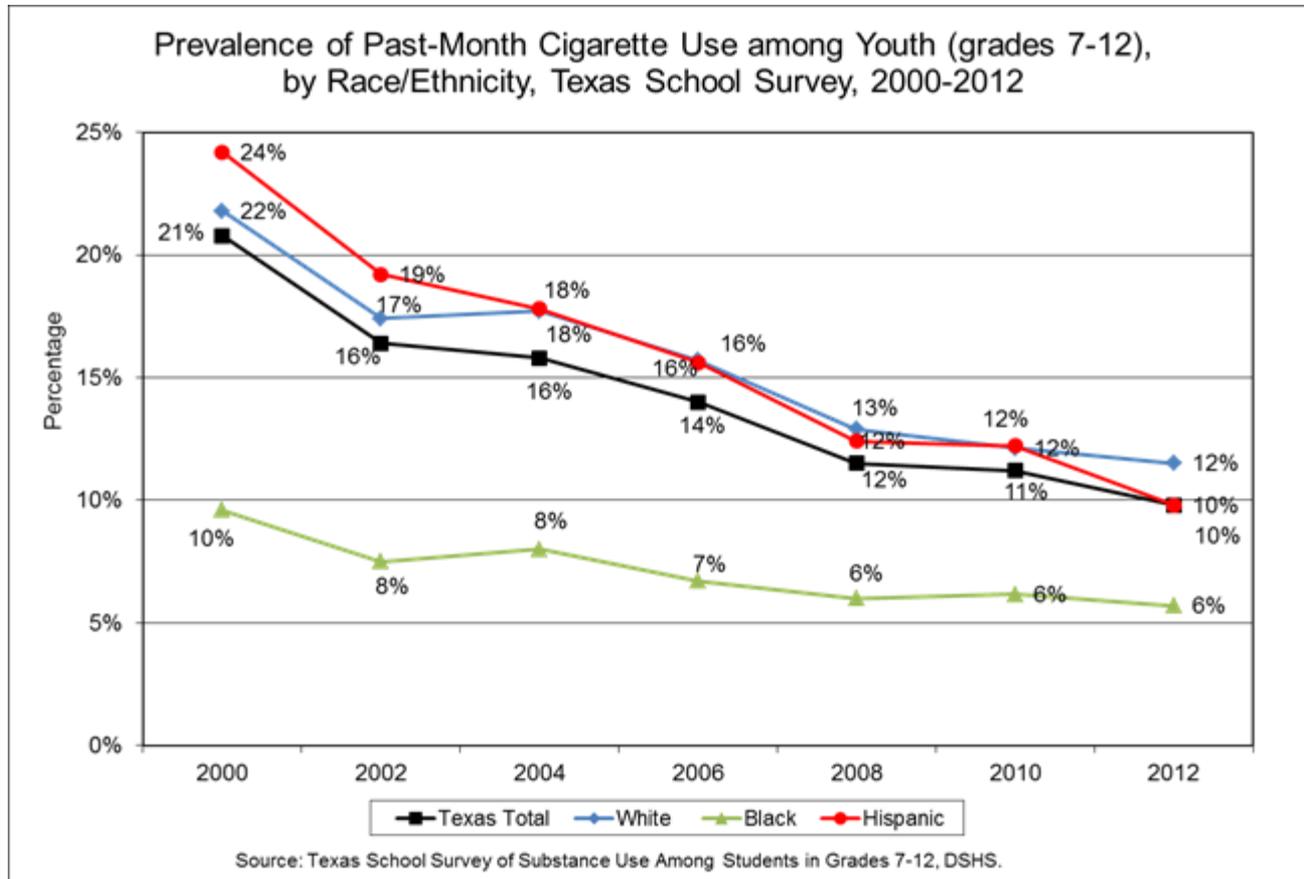
# Actual Causes of Death Shaped by Behavior



# Past Month Cigarette Use Among Adults

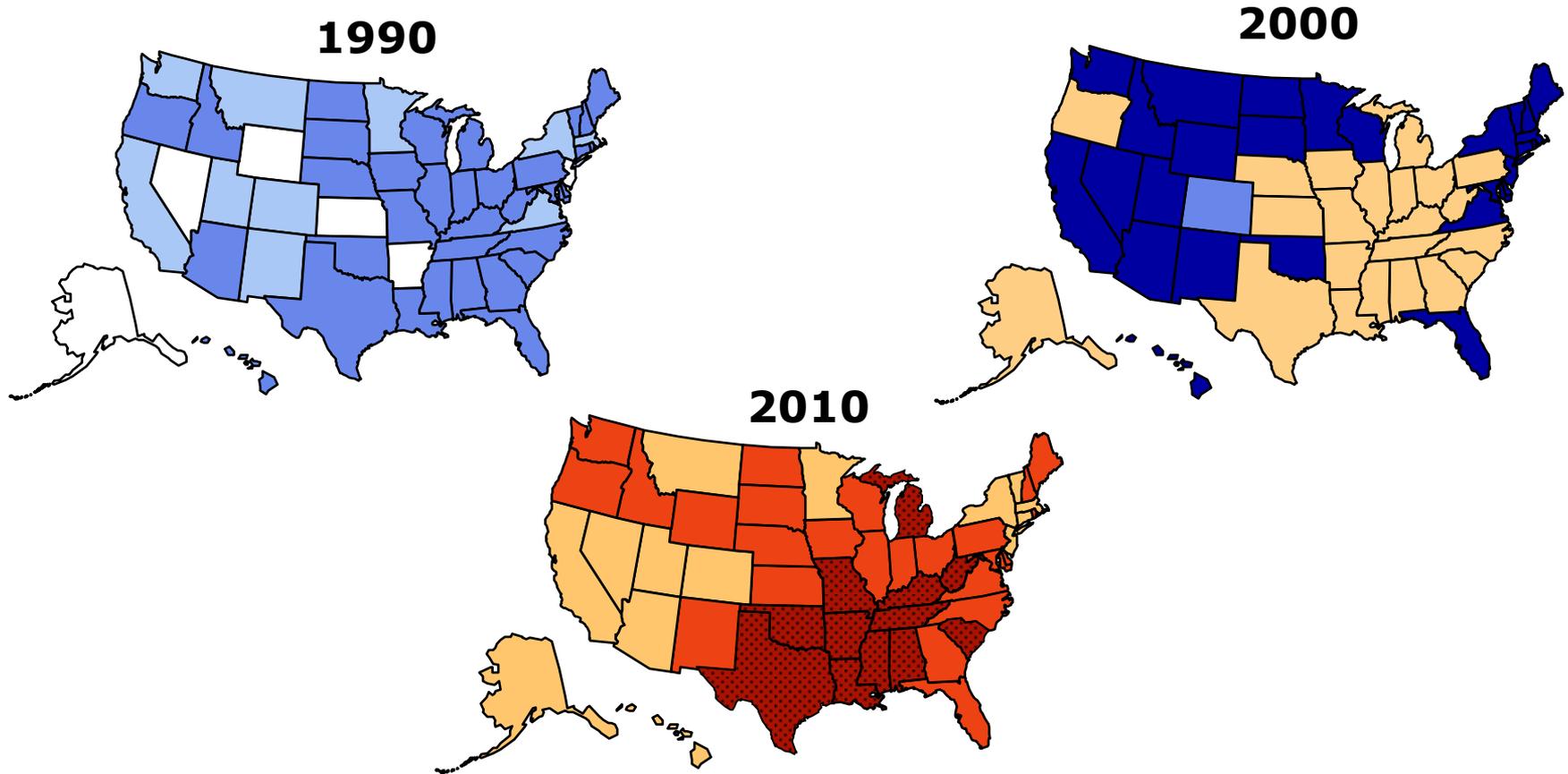


# Past Month Cigarette Use Among Youth



# Obesity Trends\* Among U.S. Adults

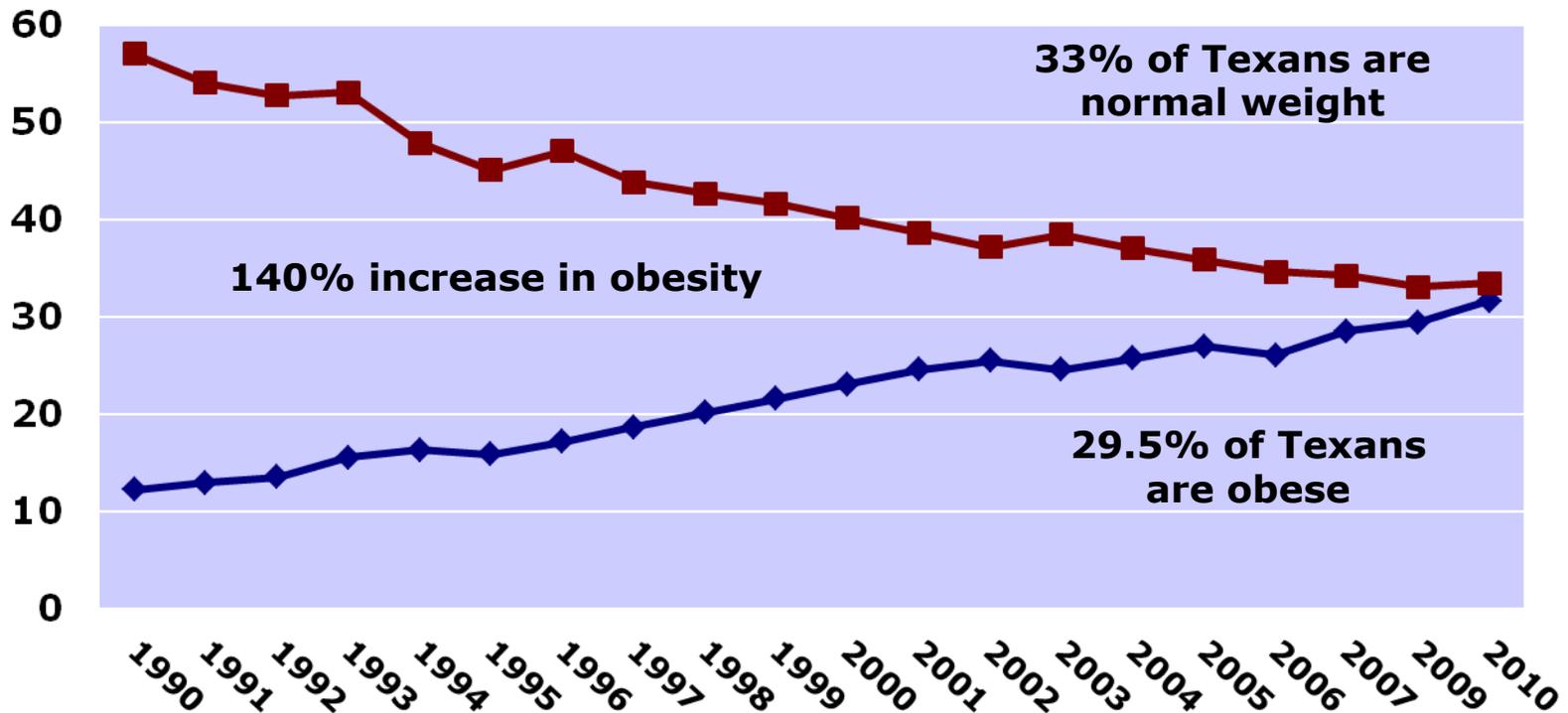
(\*BMI  $\geq 30$ , or about 30 lbs. overweight for 5'4" person)



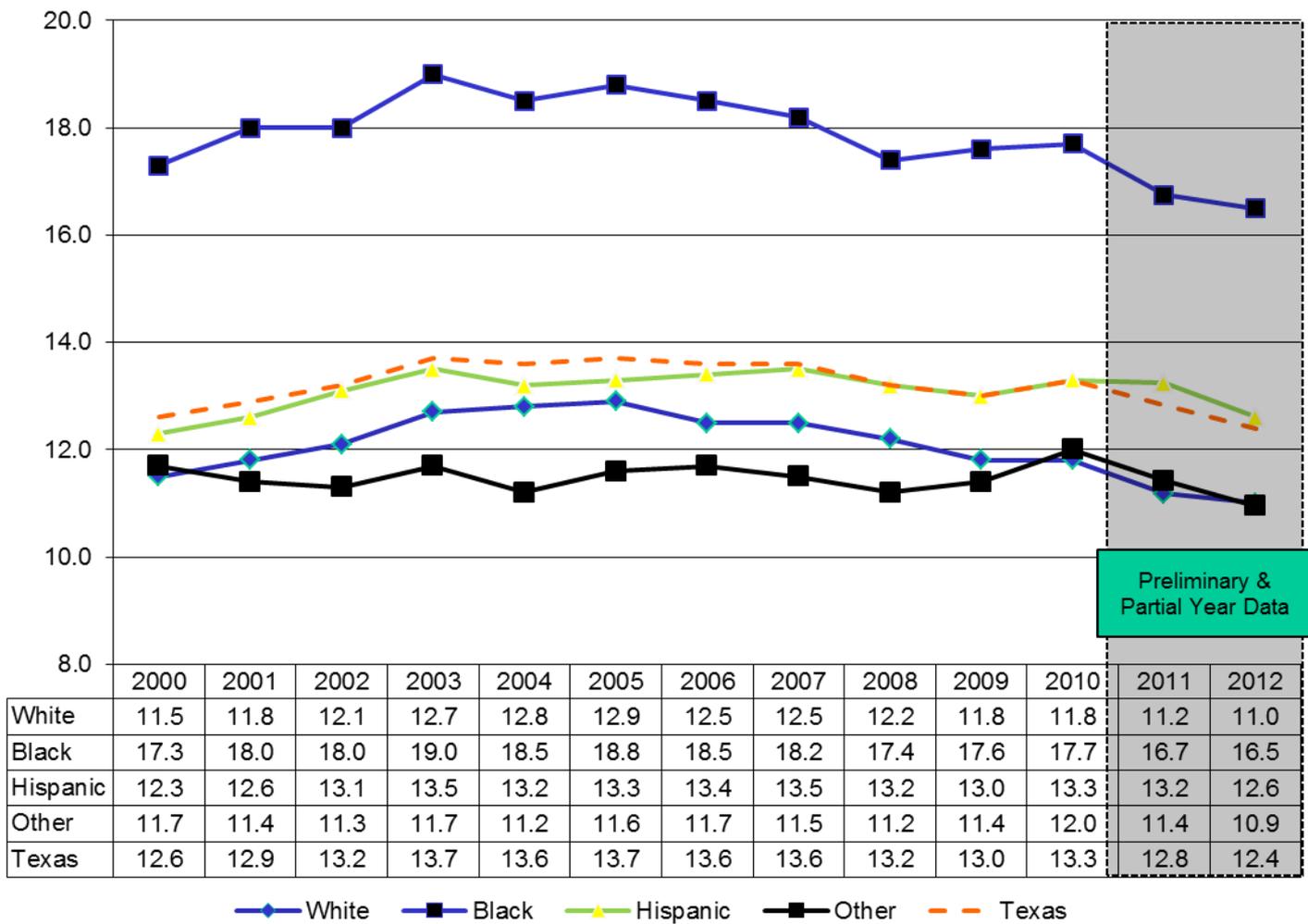
# Obesity Trends in Texas

(Adults 1990 to 2010)

◆ Obese    ■ Normal Weight

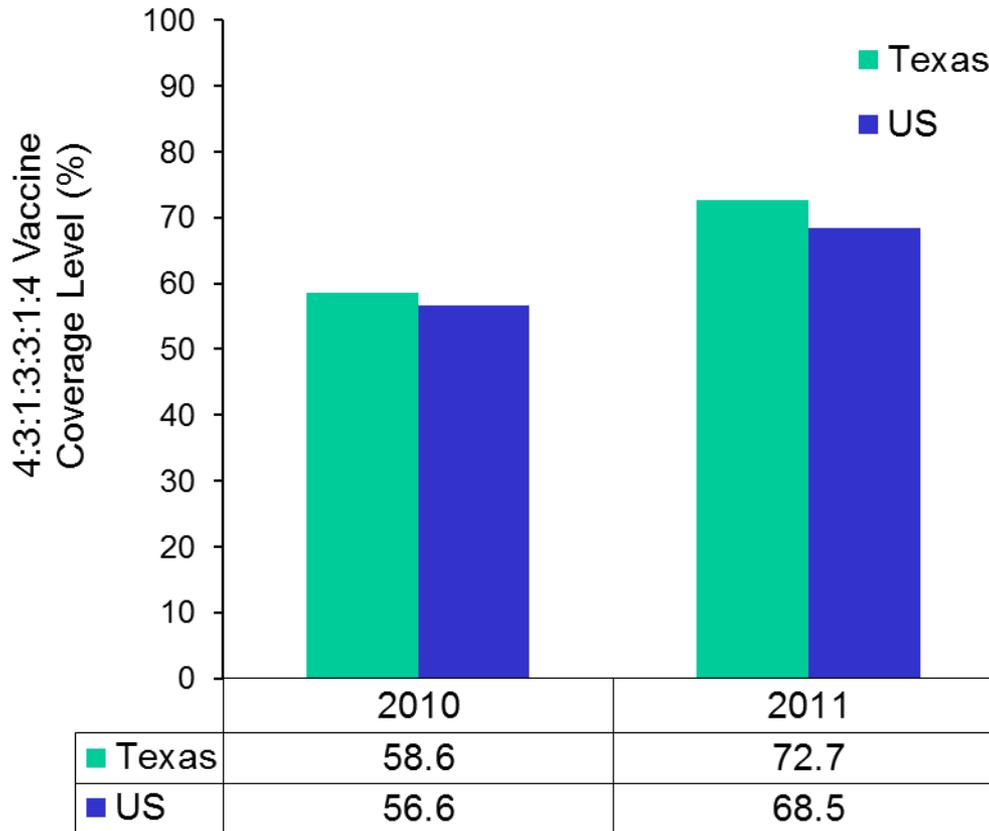


# Texas Pre-Term Birth Rates



# National Immunization Survey

## 2010–2011, Texas vs. US with pneumococcal vaccine added to national requirement

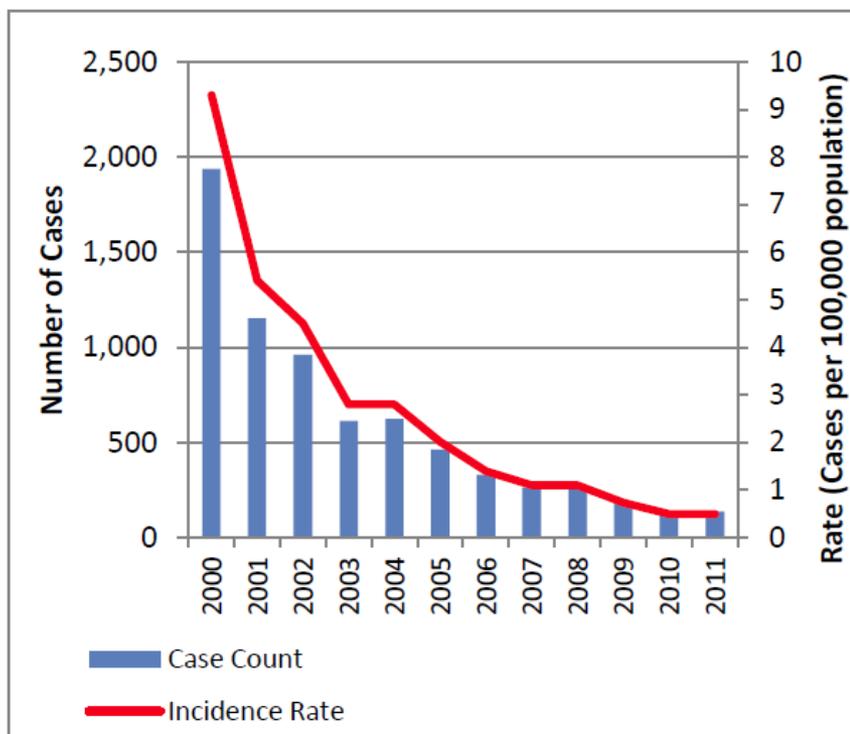


- **Texas ranks 9th in the nation** with a 72.7% coverage level for the 4:3:1:3:3:1:4 series which includes the full series of Hib. This is a statistically significant increase of 14.1 percentage points from the 2010 coverage level.
- Coverage for the full series of Hib is increasing, likely reflecting a recovery from the effect of the recommendation to defer the booster Hib dose during the Hib shortage that occurred during December 2007 through June 2009.

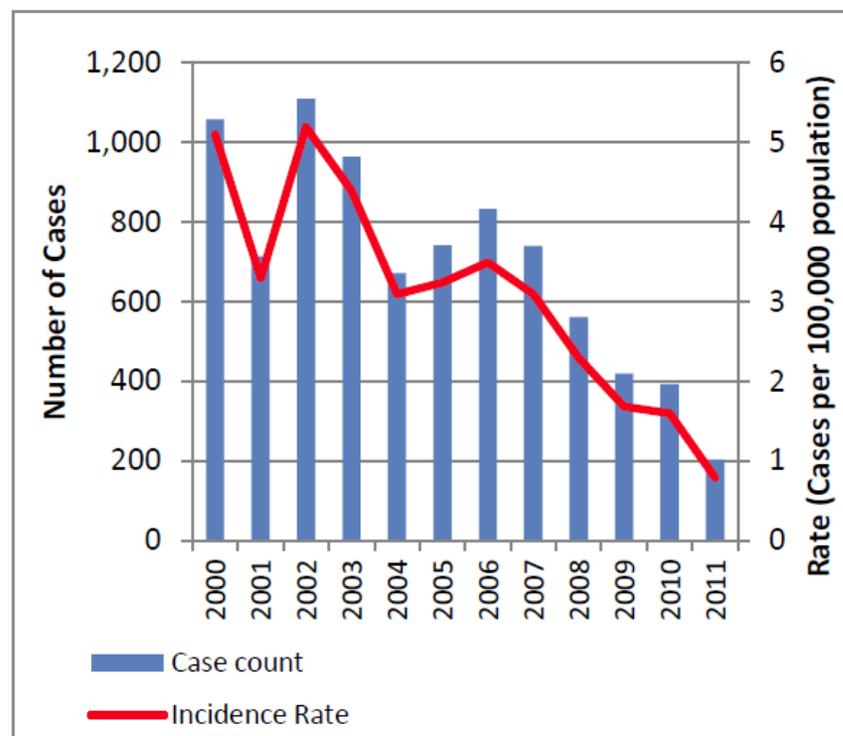
4-3-1-3-3-1-4: 4 doses DTP, 3 doses Polio, 1 dose MMR, 3 doses of Hib, 3 doses Hep B, 1 or more doses of varicella, and 1 or more doses of pneumococcal vaccine.

# Hepatitis Cases and Incidence Rates in Texas

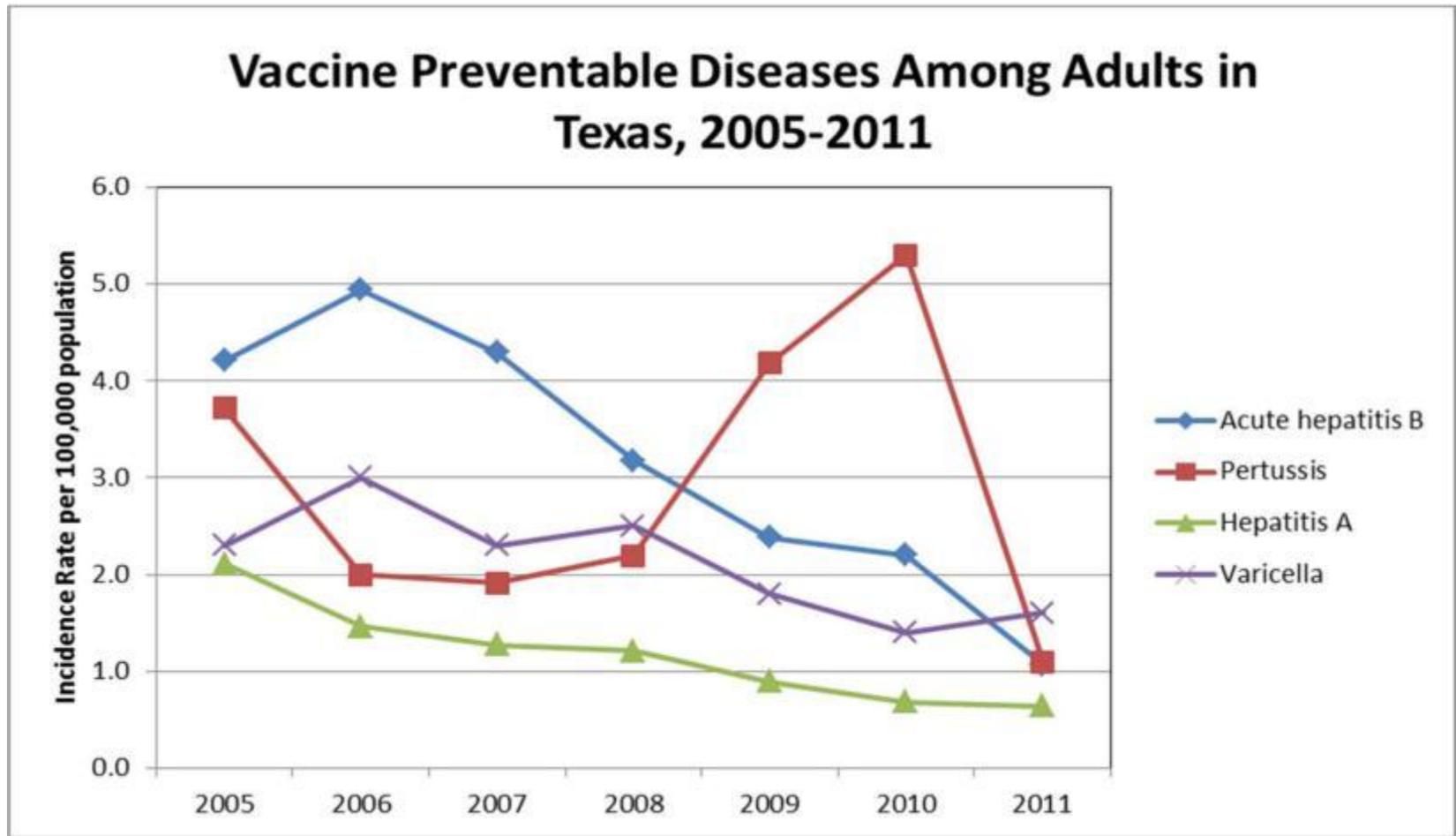
## Hepatitis A



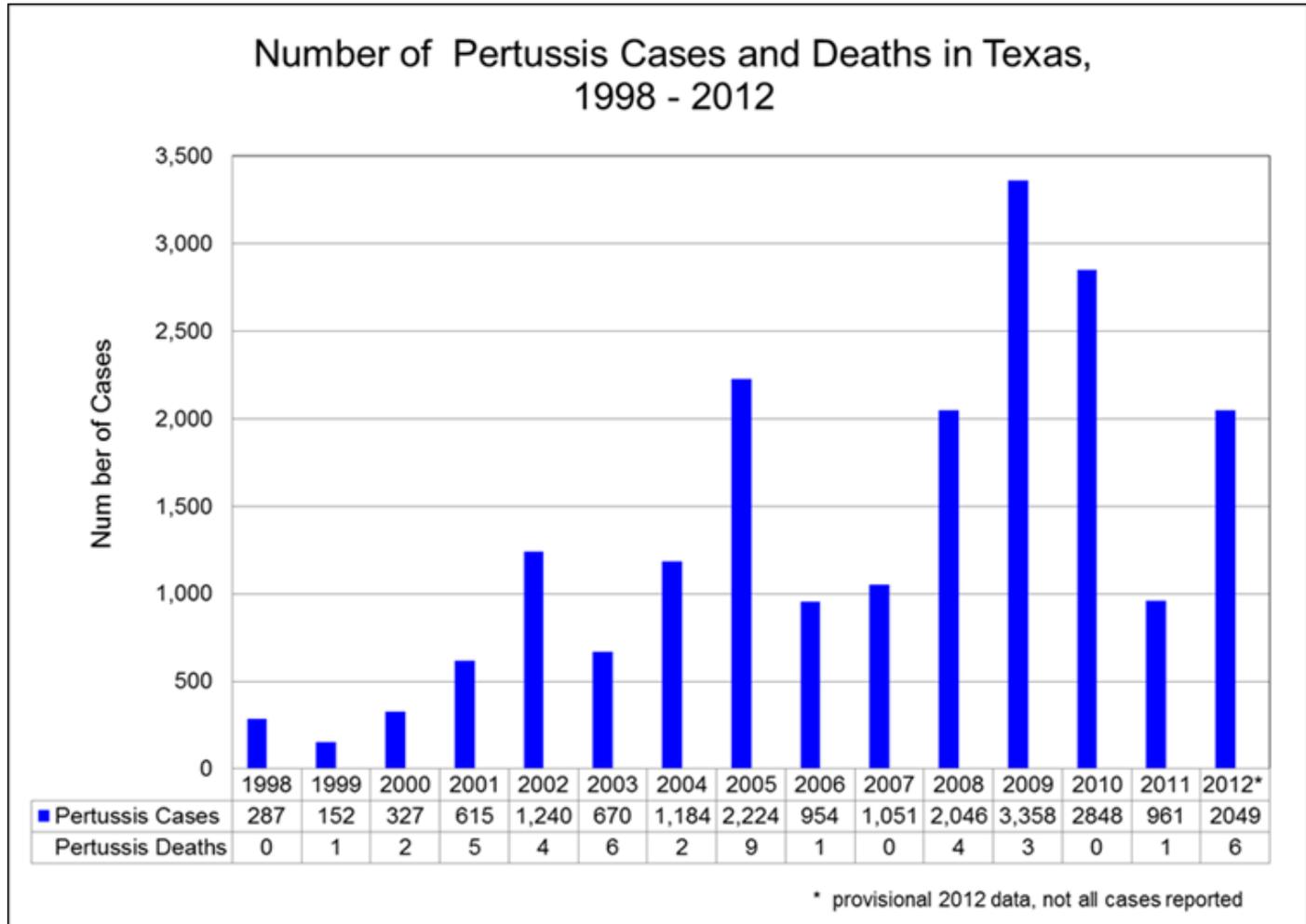
## Hepatitis B



# Vaccine Preventable Diseases Among Adults

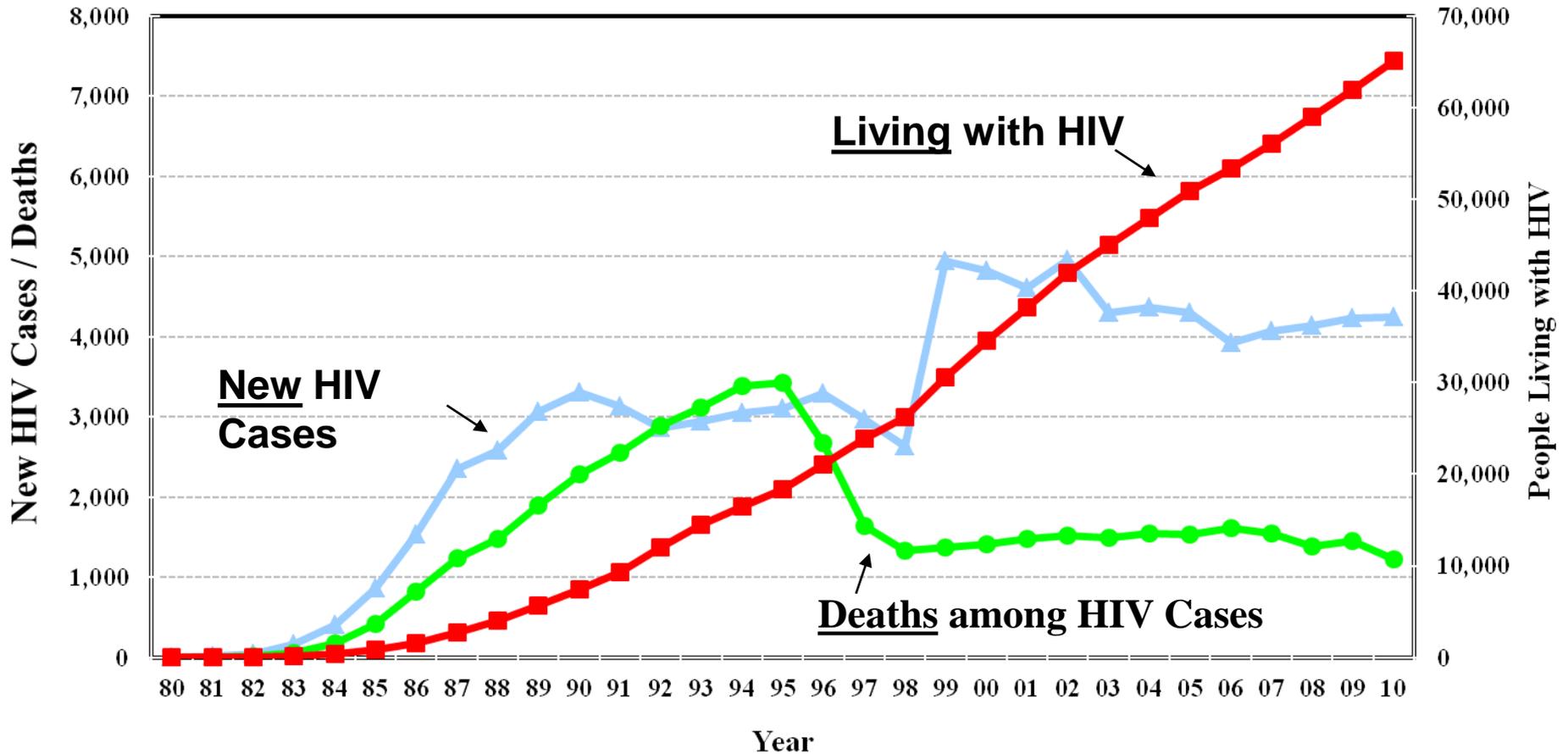


# Pertussis Cases and Deaths in Texas

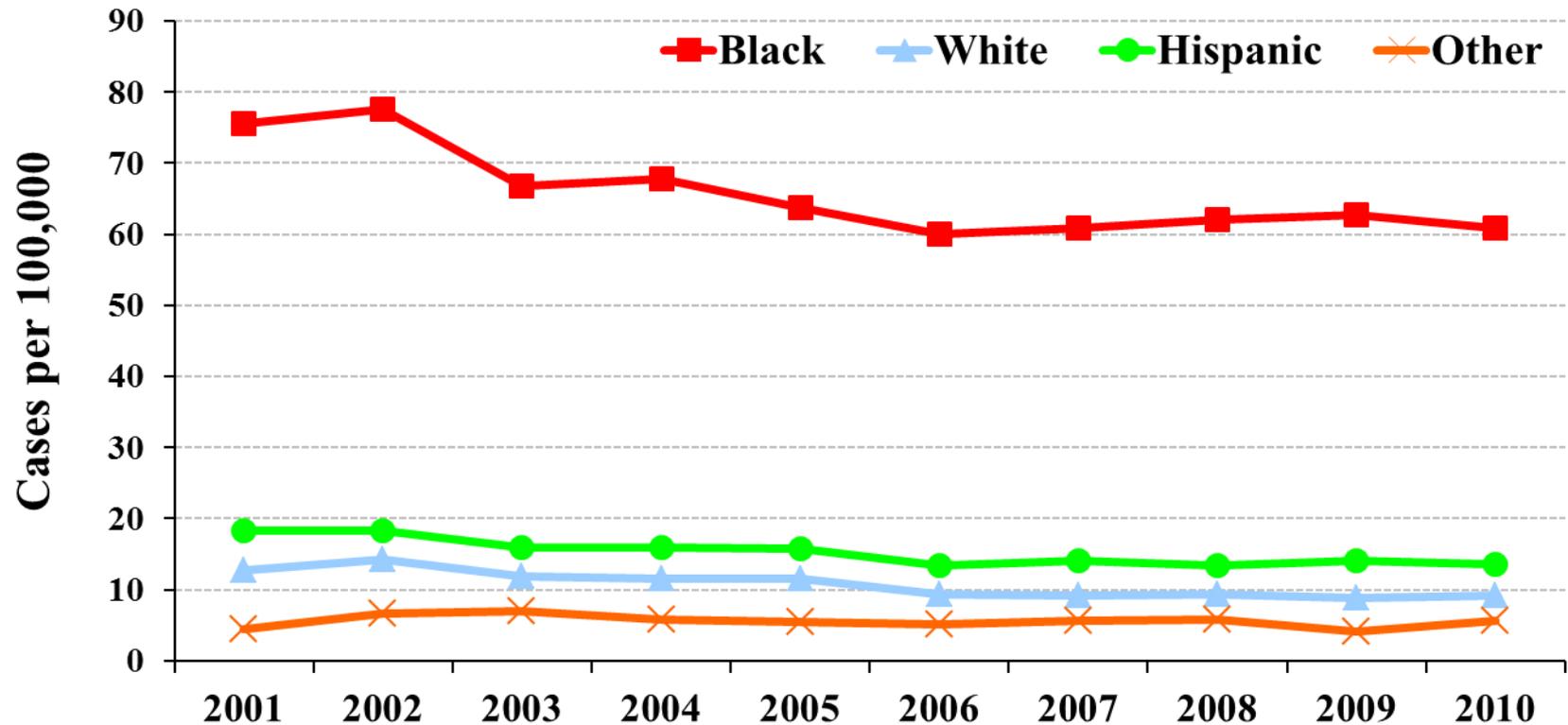


# Newly Diagnosed HIV Cases, Deaths, & Persons Living with HIV

(Texas, 1980-2010)



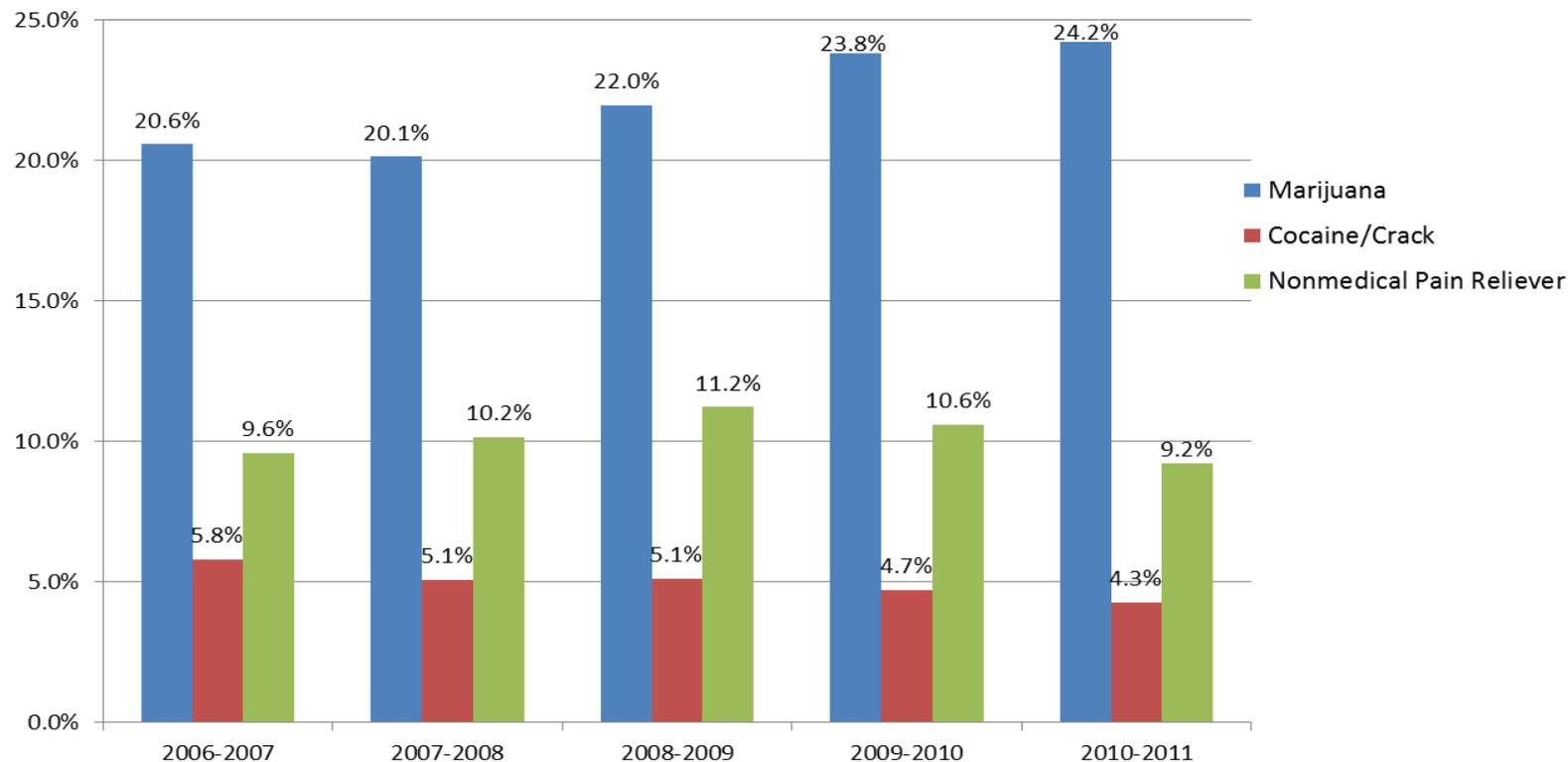
# Newly Diagnosed HIV Case Rates by Race/Ethnicity: Texas, 2001-2010



Newly diagnosed HIV infection includes all new HIV cases regardless of disease status (HIV only or AIDS).

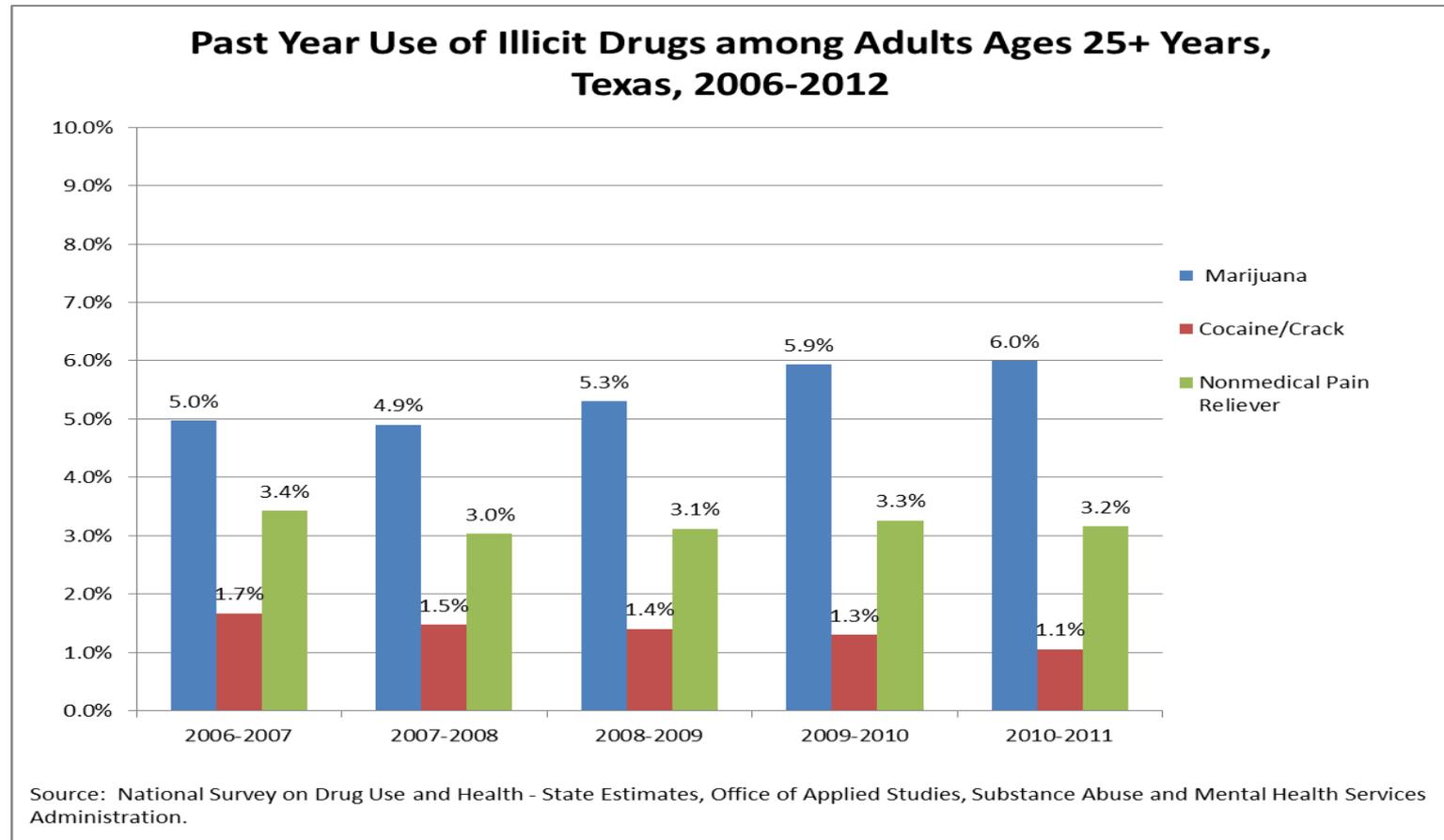
# Past Year Substance Use among Adults Ages 18-25

## Past Year Use of Illicit Drugs among Adults Ages 18-25 Years, Texas, 2006-2012



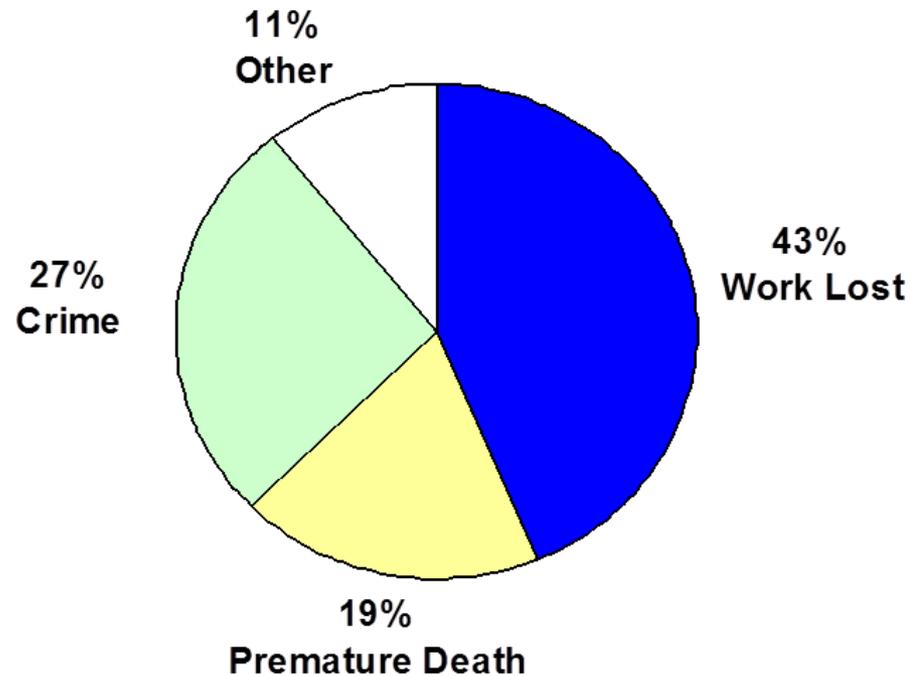
Source: National Survey on Drug Use and Health - State Estimates, Office of Applied Studies, Substance Abuse and Mental Health Services Administration.

# Past Year Substance Use among Adults Ages 25+ Years



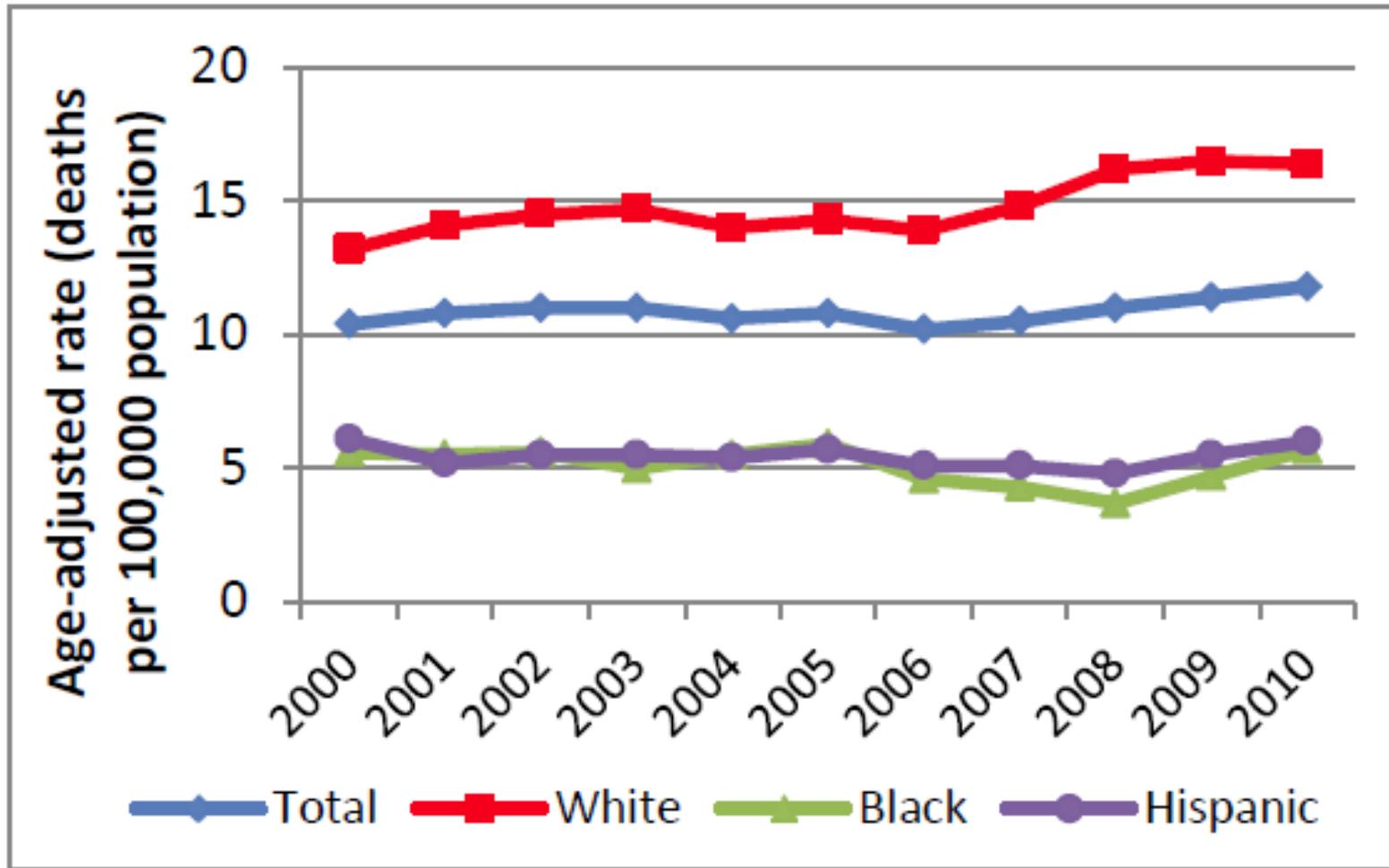
# Estimated Economic Costs of Substance Abuse

Estimated Economic Costs of Substance Abuse, 2007  
by Cost Category (Total: \$33.4 Billion)



Source: Decision Support Unit, MH & SA, DSHS.

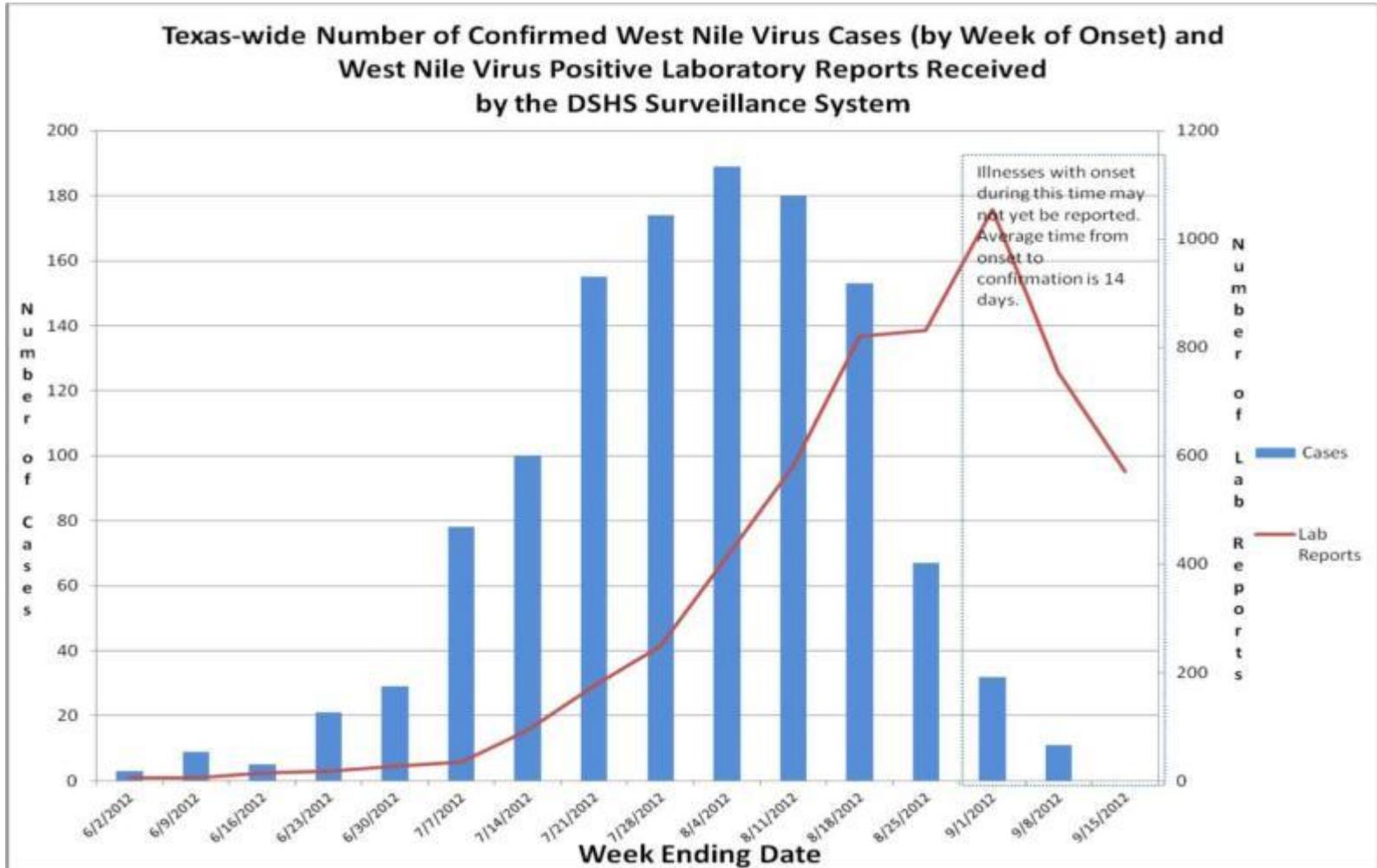
# Suicide Death Rates in Texas by Race and Ethnicity



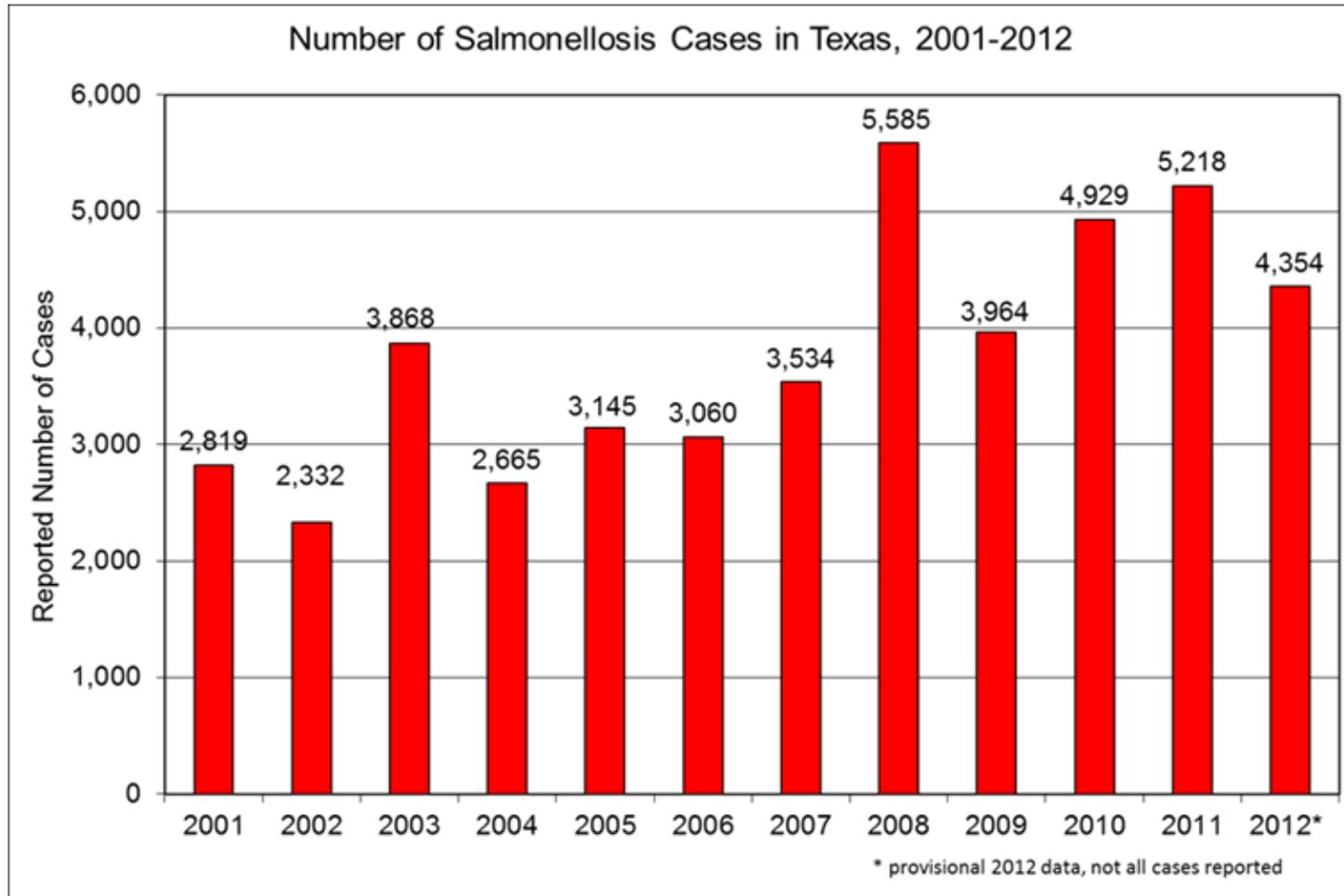
# 2008-2012 DSHS Emergency Responses

- West Nile Virus Outbreak
- Bastrop Wildfires
- Hurricanes:
  - Alex
  - Dolly
  - Gustav
  - Ike
- Tropical Storm Edouard
- H1N1 Pandemic Response
- Epidemiological Investigations:
  - TB/Mumps/Measles Outbreaks
  - Peanuts, Tomatoes and Jalapeños
  - Mercury in Cosmetic Cream
- Monitored and responded to concerns:
  - BP Oil spill
  - Fukushima Daiichi radiation release in Japan
- San Angelo:
  - Yearning for Zion Ranch

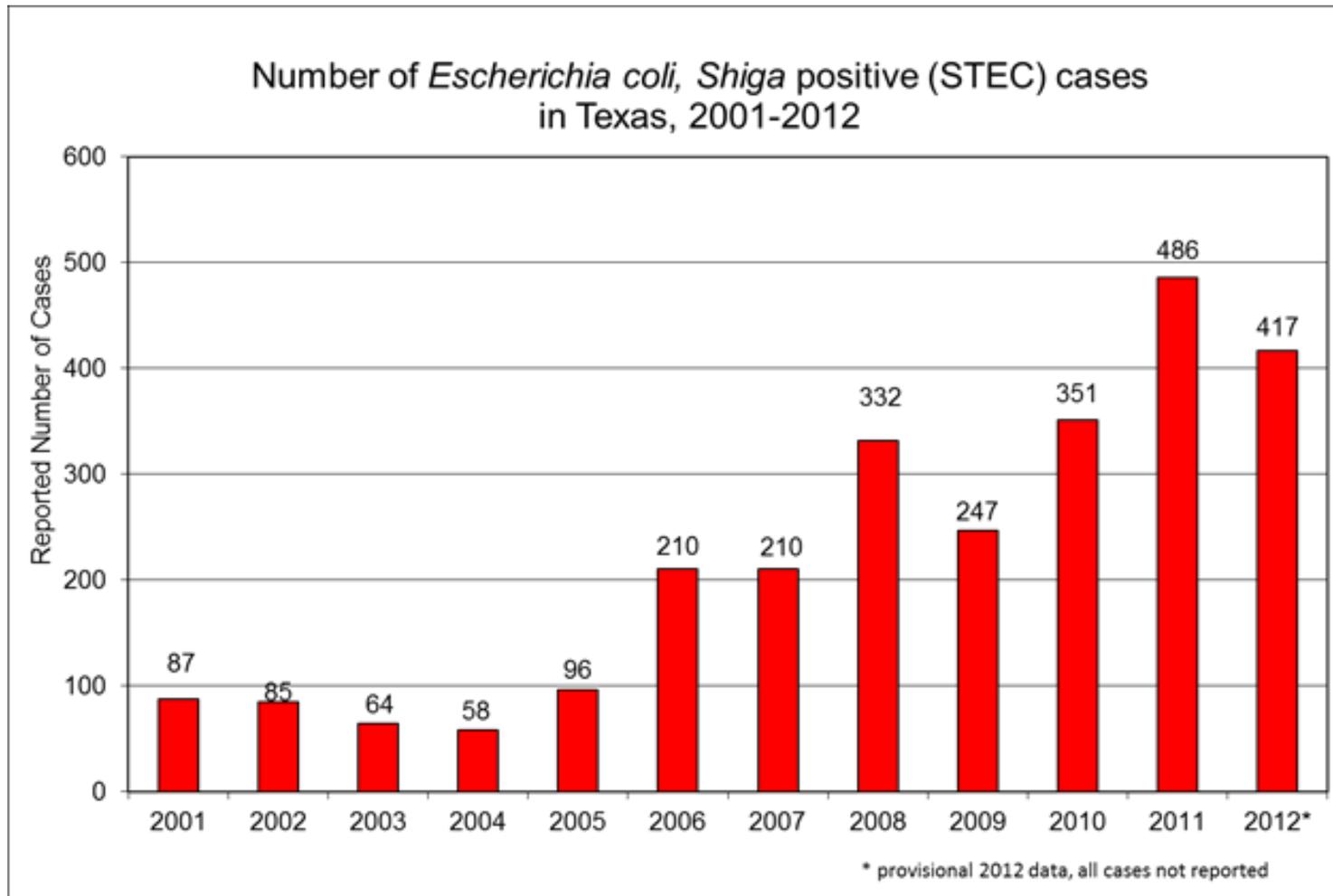
# West Nile Virus in 2012



# Foodborne Illness in Texas, *Salmonellosis*



# Foodborne Illness in Texas, *Escherichia coli*



# Department of State Health Services Overview

## DSHS Services

- Disease Control & Prevention Services
- Family & Community Health Services
- Health Information & Vital Statistics
- Mental Health & Substance Abuse Services
- Regional & Local Health Services
- Regulatory Services

## Scope

- Alzheimer's and Ambulances to Zoonosis and Zebra Meat
- Impacts every Texan
- Nearly 7900 client services and administrative contracts
- ~160 DSHS sites

## DSHS Budget Facts – FY 12-13

- \$5.8 billion biennial budget
- 50% of the DSHS budget is GR-Related Funds; 43% is Federal Funds; and 7% is Other Funds
- 70% of the DSHS GR is for mental health services (community and hospitals)
- Only 8% of DSHS GR funds are for public health
- Regulatory Services are supported by fees
- Lab Services are primarily supported by fees
- DSHS has 220 funding streams/methods of finance (mostly federal grant sources)

# FY 2012-13 Accomplishments

- Improving the Health of Texans
  - Implemented Healthy Texas Babies initiative
  - Implemented Potentially Preventable Hospitalizations initiative
  - Implemented SCID testing
  - Implemented Community Transformation Grants
  - Improved Childhood Immunization Rates
- Responded to Public Health Challenges
  - Supported the statewide response to West Nile Virus outbreak
  - Supported communities with localized tuberculosis outbreaks
  - Investigated causes of food-borne diseases
- Assessed Major Agency Functions
  - Rider 59: Regulatory Services Evaluation
  - Rider 63: State Hospital Privatization RFP
  - Rider 71: State Behavioral Health System Evaluation
  - Rider 72: Security of Birth Records Evaluation

# FY 2012-13 Accomplishments

- **Met Funding Challenges**
  - Eliminated projected HIV funding shortfall in FY13 through new revenue sources and improved operations
  - Increased forensic capacity in the state hospitals with existing agency funding
  - Met or exceeded cost-containment goals for state hospitals
- **Improved Administrative Efficiencies**
  - Re-designed contracts process, including contract bundling
  - Closed Women's Health Laboratory
  - Outsourced WIC services of four DSHS regional offices
  - Improved online license applications process (Regulatory)
  - Completed vital records imaging project
  - Initiated Moreton Building Recladding Project

# Clients Served in Selected Programs

Program	FY2013	FY2014 (SB1)	FY2015 (SB1)
Immunization (Vaccine Doses) – Children	14,000,000	14,493,923	14,725,692
Children with Special Health Care Needs (Average per month)	1,100	1,090	1,060
Community Mental Health Services for Adults (Average per month)	52,484	52,166	51,212
Community Mental Health Services for Children (Average per month)	12,206	12,146	11,964
Substance Abuse – Prevention (Average per month) – Adult and Youth	192,000	192,000	192,000
Substance Abuse – Intervention (Average per month) – Adult and Youth	16,962	16,962	16,962
Substance Abuse – Treatment (Average per month) – Adult and Youth	8,450	8,450	8,450
Mental Health State Hospitals (Average Daily Census)	2,376	2,376	2,376
Regulatory - Surveillance	254,453	254,453	254,453
Regulatory - Enforcement	14,900	14,900	14,900
Regulatory – Licenses / Registrations	162,000	162,000	162,000

# Comparison of Current Biennium with S.B. 1

Description	FY2012-13 Exp/Bud (LBE)	FY2014-15 Senate Bill 1
Goal A Preparedness and Prevention Services	1,147,655,885	1,121,235,367
Goal B Community Health Services	3,394,450,314	3,391,282,253
Goal C Hospital Facilities Management Services	962,448,199	992,422,794
Goal D Consumer Protection Services	127,894,172	127,374,575
Goal E Indirect Administration	109,984,680	123,265,730
Goal F Capital Items	45,164,409	11,903,297
Goal G Office of Violent Sex Offender Management	8,804,198	8,804,198
<b>AGENCY TOTAL</b>	<b>\$5,796,401,857</b>	<b>5,776,288,214</b>
General Revenue	2,135,928,572	2,133,703,135
General Revenue-Dedicated	661,941,408	659,639,120
Other Funds	493,876,208	528,460,086
Federal Funds	2,504,655,669	2,454,485,873
<b>TOTAL, METHOD OF FINANCING</b>	<b>\$5,796,401,857</b>	<b>5,776,288,214</b>
<b>FTEs (FY2013 and FY2015)</b>	<b>12,349</b>	<b>12,318</b>

# Summary of Exceptional Items

Agency Exceptional Items	FY 2014		FY 2015		BIENNIAL TOTAL		FY 2014	FY 2015
	GRR	All Funds	GRR	All Funds	GRR	All Funds	FTEs	FTEs
<b>Introduced Appropriations Base Bill</b>	<b>\$1,402,132,937</b>	<b>\$2,893,081,649</b>	<b>\$1,391,209,318</b>	<b>\$2,883,206,565</b>	<b>\$2,793,342,255</b>	<b>\$5,776,288,214</b>	<b>12,318</b>	<b>12,318</b>
1 State Hospital Patient Safety and Operations	\$11,497,436	\$11,497,436	\$5,004,056	\$5,004,056	\$16,501,492	\$16,501,492		
2 Adult Immunizations	\$13,145,000	\$13,145,000	\$13,377,000	\$13,377,000	\$26,522,000	\$26,522,000		
3 Disease Outbreaks and Disaster Response	\$3,551,653	\$3,551,653	\$3,551,653	\$3,551,653	\$7,103,306	\$7,103,306		
4 Hospital Facilities and Infrastructure		\$76,366,891		\$0	\$0	\$76,366,891		
5 Primary Health Care Expansion	\$34,965,756	\$34,965,756	\$34,965,756	\$34,965,756	\$69,931,512	\$69,931,512		
6 Waiting Lists	\$40,400,000	\$40,400,000	\$40,400,000	\$40,400,000	\$80,800,000	\$80,800,000		
7 Increase Substance Abuse Treatment Services	\$14,568,333	\$14,568,333	\$18,981,751	\$18,981,751	\$33,550,084	\$33,550,084		
8 Increase Behavioral Health Treatment Outcomes	\$9,523,060	\$11,155,253	\$13,690,608	\$16,881,949	\$23,213,668	\$28,037,202		
9 Tobacco Cessation and Chronic Disease Prevention	\$4,049,735	\$4,049,735	\$4,524,967	\$4,524,967	\$8,574,702	\$8,574,702		
10 Preventing Healthcare Associated Infections	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$2,000,000	\$2,000,000		
11 Texas Electronic Registrar (TER)	\$3,000,000	\$3,000,000	\$3,000,000	\$3,000,000	\$6,000,000	\$6,000,000		
<b>Total Agency Exceptional Items</b>	<b>\$135,700,973</b>	<b>\$213,700,057</b>	<b>\$138,495,791</b>	<b>\$141,687,132</b>	<b>\$274,196,764</b>	<b>\$355,387,189</b>	<b>0</b>	<b>0</b>
<b>Total Agency Base + Exceptional Items</b>	<b>\$1,537,833,910</b>	<b>\$3,106,781,706</b>	<b>\$1,529,705,109</b>	<b>\$3,024,893,697</b>	<b>\$3,067,539,019</b>	<b>\$6,131,675,403</b>	<b>12,318</b>	<b>12,318</b>