



# Multicultural Health Report



## Purpose:

- ◆ to present statewide data on key social and health indicators for communities of color in Connecticut; and
- ◆ to view health disparities in the context of social and economic conditions of minority populations in the state.



## Data Sources CT DPH

- ◆ Birth and Death Registries
- ◆ Tumor Registry
- ◆ Infectious Diseases Division
- ◆ Childhood Lead Poisoning Prevention Program



## Data Sources

- ◆ CT Office of Health Care Access
- ◆ CT Hospital Information Management Exchange, Inc. (CHIME)
- ◆ Centers for Disease Control & Prevention
- ◆ US Census Bureau



## Basis of Indicators

- ◆ CDC Consensus Indicators
- ◆ Priority Areas of the President's Initiative on Race & Health
- ◆ Healthy Connecticut 2000 Objectives
- ◆ Priority Areas of the CT DPH



## CT Social Indicators by Race and Ethnicity

- ◆ Population Change 1990-1997
- ◆ Age Distribution
- ◆ Educational Attainment
- ◆ Per Capita Income
- ◆ Percent of the Population Below Poverty
- ◆ Geographic Area of Residence



## CT Social & Health Indicators

- ◆ Infant Mortality
- ◆ Low Birthweight Infants
- ◆ Births to Adolescent Females 10-17 yrs
- ◆ Mothers Not Receiving Prenatal Care in the First Trimester



## Racial and Ethnic Minorities in CT

- ◆ African Americans/Blacks
- ◆ Hispanics/Latinos
- ◆ Asians American and Pacific Islanders
- ◆ American Indians and Alaska Natives

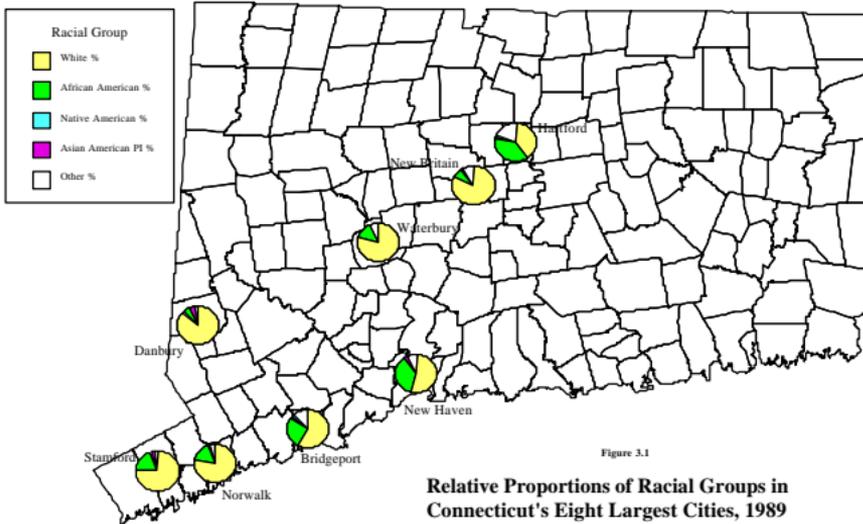


## Connecticut's Population by Race and Ethnicity

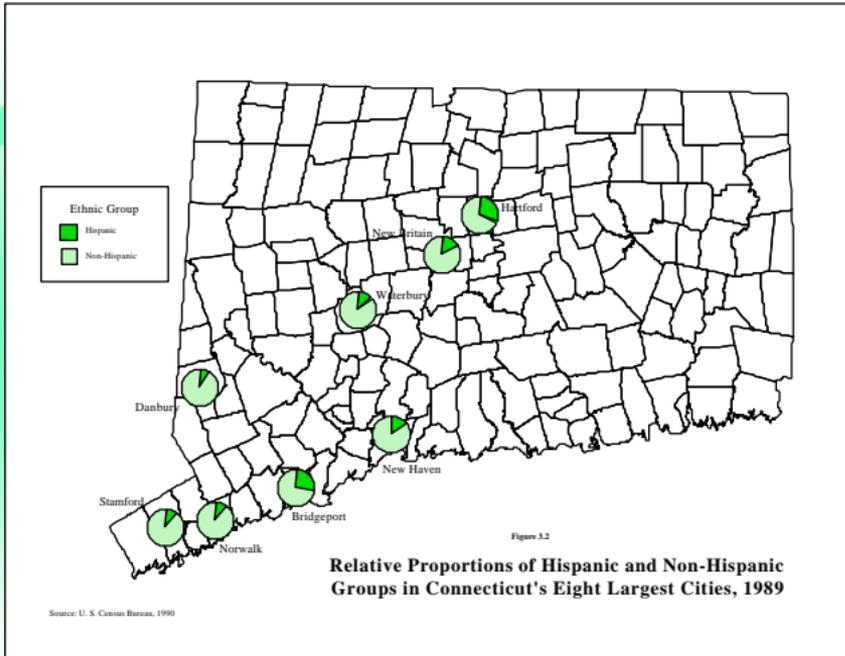
Race/Ethnicity	1990		1997	
	Number	Percent	Number	Percent
African American/Black*	267,005	8.1%	275,302	8.4%
Hispanic/Latino	212,677	6.5%	259,159	7.9%
Asian & Pacific Islander *	49,689	1.5%	72,646	2.2%
American Indian and Alaska Native*	6,329	0.2%	6,148	0.2%
White*	2,753,210	83.7%	2,656,603	81.2%
All Persons	3,288,910	100.0%	3,269,858	100.0%

\* Non-Hispanic

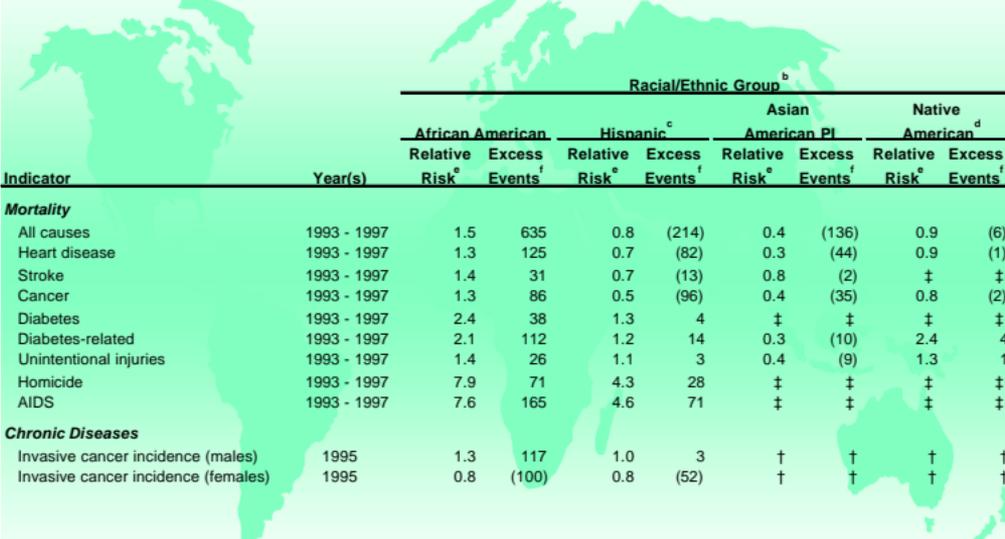




Note: The Native American population percentage is less than 1% in all cases displayed.  
 Source: U.S. Census Bureau, 1990



# Annualized Excess Events and Relative Risks



Indicator	Year(s)	Racial/Ethnic Group <sup>b</sup>							
		African American		Hispanic <sup>c</sup>		Asian American PI		Native American <sup>d</sup>	
		Relative Risk <sup>e</sup>	Excess Events <sup>f</sup>	Relative Risk <sup>e</sup>	Excess Events <sup>f</sup>	Relative Risk <sup>e</sup>	Excess Events <sup>f</sup>	Relative Risk <sup>e</sup>	Excess Events <sup>f</sup>
<b>Mortality</b>									
All causes	1993 - 1997	1.5	635	0.8	(214)	0.4	(136)	0.9	(6)
Heart disease	1993 - 1997	1.3	125	0.7	(82)	0.3	(44)	0.9	(1)
Stroke	1993 - 1997	1.4	31	0.7	(13)	0.8	(2)	‡	‡
Cancer	1993 - 1997	1.3	86	0.5	(96)	0.4	(35)	0.8	(2)
Diabetes	1993 - 1997	2.4	38	1.3	4	‡	‡	‡	‡
Diabetes-related	1993 - 1997	2.1	112	1.2	14	0.3	(10)	2.4	4
Unintentional injuries	1993 - 1997	1.4	26	1.1	3	0.4	(9)	1.3	1
Homicide	1993 - 1997	7.9	71	4.3	28	‡	‡	‡	‡
AIDS	1993 - 1997	7.6	165	4.6	71	‡	‡	‡	‡
<b>Chronic Diseases</b>									
Invasive cancer incidence (males)	1995	1.3	117	1.0	3	†	†	†	†
Invasive cancer incidence (females)	1995	0.8	(100)	0.8	(52)	†	†	†	†



# Annualized Excess Events and Relative Risks

Indicator	Year(s)	Racial/Ethnic Group <sup>b</sup>							
		African American		Hispanic <sup>c</sup>		Asian American Pl		Native <sup>d</sup>	
		Relative Risk <sup>a</sup>	Excess Events <sup>f</sup>	Relative Risk <sup>a</sup>	Excess Events <sup>f</sup>	Relative Risk <sup>a</sup>	Excess Events <sup>f</sup>	Relative Risk <sup>a</sup>	Excess Events <sup>f</sup>
<b>Infectious Diseases</b>									
Invasive pneumococcal disease	1993 - 1997	2.9	59	1.2	6	0.2	(7)	‡	‡
Tuberculosis	1993 - 1997	9.3	36	8.2	28	23.9	24	‡	‡
AIDS	1993 - 1997	12.4	415	8.9	261	0.3	(6)	2.7	1
Hepatitis B	1993 - 1997	3.7	8	3.8	8	3.6	2	‡	‡
Chlamydia	1993 - 1997	21.8	1,919	12.6	965	1.3	6	‡	‡
Gonorrhea	1993 - 1997	57.2	1,973	11.8	344	0.9	(1)	3.3	2
Primary & Secondary Syphilis	1993 - 1997	68.3	73	17.3	16	4.5	1	0	0
<b>Pregnancy and Birth Outcomes</b>									
Infant deaths	1993 - 1995	2.6	52	1.6	18	1.2	1	2.4	1
Low birthweight	1993 - 1997	2.2	333	1.5	160	1.4	27	1.8	4
Teen births	1993 - 1997	5.8	352	7.4	527	0.7	(6)	5.2	5
Little or no prenatal care	1993 - 1997	2.9	657	2.9	740	1.8	61	3.3	15

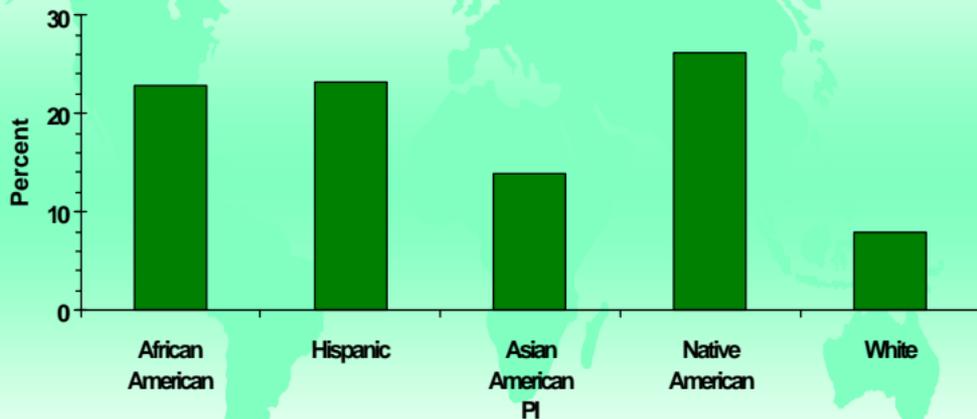


# Annualized Excess Events and Relative Risks

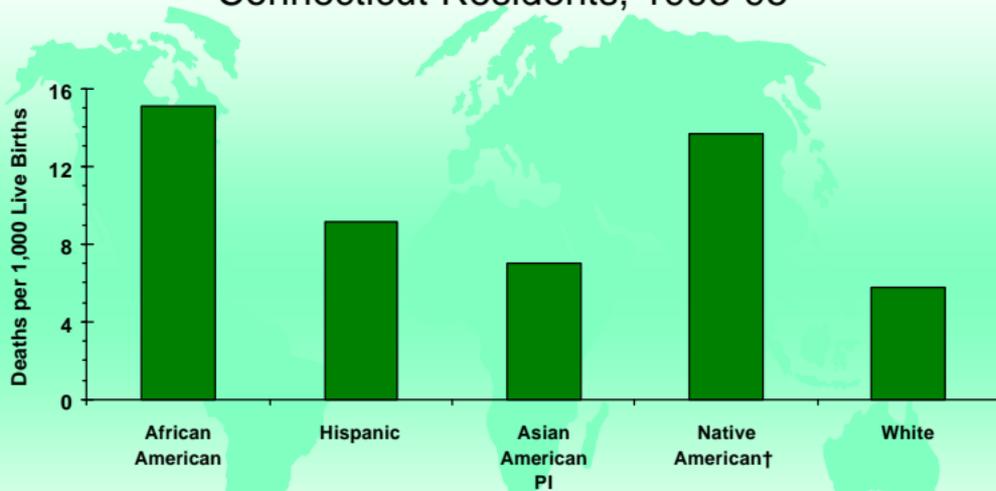
Indicator	Year(s)	Racial/Ethnic Group <sup>b</sup>							
		African American		Hispanic <sup>c</sup>		Asian		Native American <sup>d</sup>	
		Relative	Excess	Relative	Excess	Relative	Excess	Relative	Excess
		Risk <sup>e</sup>	Events <sup>f</sup>	Risk <sup>e</sup>	Events <sup>f</sup>	Risk <sup>e</sup>	Events <sup>f</sup>	Risk <sup>e</sup>	Events <sup>f</sup>
<b>Hospitalizations</b>									
Avoidable hospitalizations	1996	2.3	1,793	1.6	799	0.3	(258)	0.7	(11)
Diabetes	1996	2.7	502	1.1	31	0.1	(69)	‡	‡
Unintentional injuries	1996	1.1	132	0.8	(269)	0.2	(269)	‡	‡
Pelvic inflammatory disease	1996	6.0	94	3.4	41	‡	‡	‡	‡
Asthma (all ages)	1996	4.4	806	4.8	822	0.3	(40)	‡	‡
Asthma ED visits (children)	1995 - 1996	3.8	494	9.5	1,586	0.4	(26)	‡	‡
Varicella (Chicken Pox)	1986 - 1995	2.6	13	4.1	20	‡	‡	‡	‡
<b>Inpatient Procedures</b>									
CABG	1996	0.4	(203)	0.4	(152)	‡	‡	‡	‡
PTCA	1996	0.5	(217)	0.7	(96)	‡	‡	‡	‡



## Percent of Women Receiving Late or No Prenatal Care, Connecticut Residents, 1993-97



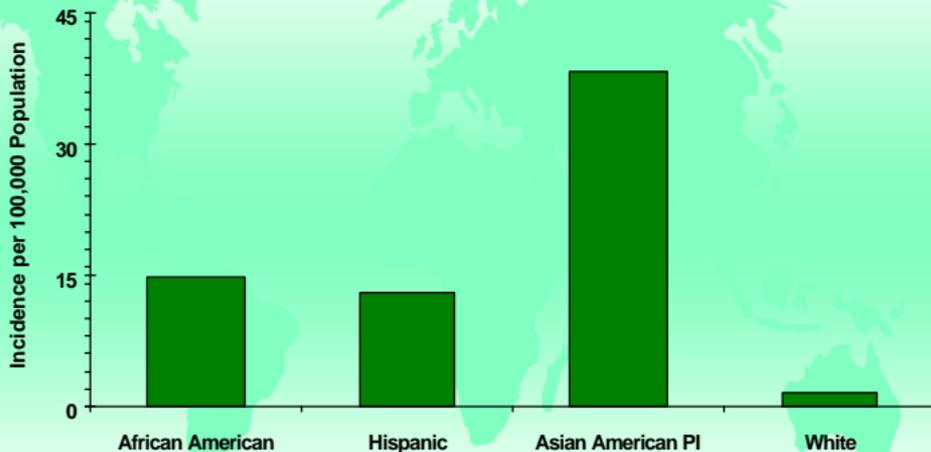
## Infant Death Rates Connecticut Residents, 1993-95



† Rate is considered unreliable due to a small numbers



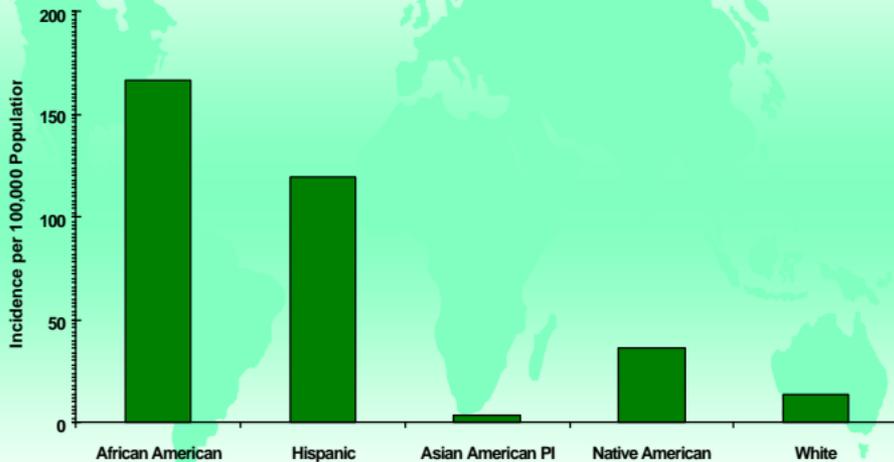
## Tuberculosis Incidence Rates Connecticut Residents\*, 1993-97



\*Statistics not calculated for Native Americans due to small numbers of events.



## Diagnosed AIDS Incidence Rates Connecticut Residents, 1993-97



# Pelvic Inflammatory Disease Hospitalizations

## Pelvic Inflammatory Disease, Female, Ages 15-44

Race/Ethnicity	Hospitalizations				Population				Rate per	Rate per
	1993	1994	1995	93-95	1993	1994	1995	93-95	100,000	100,000
White	265	253	215	733	592,993	582,822	573,066	1,748,881	41.9	27.2
Black	124	135	121	380	70,188	69,726	69,950	209,864	181.1	161.9
Hispanic	55	59	68	182	60,372	61,407	62,835	184,614	98.6	91.3
Am Indian	1	0	0	1	1,560	1,533	1,519	4,612	21.7	*
Asian/PI	1	3	4	8	17,227	17,828	18,605	53,660	14.9	*
Other	5	9	11	25						
<b>Total</b>	451	459	419	1,329	742,340	733,316	725,975	2,201,631	60.4	46.6



# Asthma Hospitalizations

## Asthma

Race/Ethnicity	Hospitalizations				Population				Rate per 100,000	Rate per 100,000
	1993	1994	1995	93-95	1993	1994	1995	93-95	93-95	1996
White	2,753	2,447	2,366	7,566	2,703,947	2,691,275	2,678,440	8,073,662	93.6	85.9
Black	992	901	1,034	2,927	269,884	270,499	271,377	811,760	360.6	381.2
Hispanic	981	1,020	1,007	3,008	233,352	238,895	244,543	716,790	419.6	411.9
Am Indian	1	1	2	4	6,070	6,027	6,037	18,134	*	*
Asian/PI	20	18	25	63	60,142	62,889	66,378	189,409	33.3	27.5
Other	42	50	73	165						
<b>Total</b>	<b>4,789</b>	<b>4,437</b>	<b>4,497</b>	<b>13,723</b>	<b>3,273,395</b>	<b>3,269,585</b>	<b>3,266,775</b>	<b>9,809,755</b>	<b>139.9</b>	<b>135.9</b>



# Unintentional Injury Hospitalizations

## Unintentional Injuries

Race/Ethnicity	Hospitalizations				Population				Rate per 100,000	Rate per 100,000
	1993	1994	1995	93-95	1993	1994	1995	93-95	93-95	1996
White	11,506	14,265	13,168	38,939	2,703,947	2,691,275	2,678,440	8,073,662	482.3	493.9
Black	1,260	1,440	1,379	4,079	269,884	270,499	271,377	811,760	502.5	542.3
Hispanic	830	954	933	2,717	233,352	238,895	244,543	716,790	379.1	387.3
Am Indian	6	8	2	16	6,070	6,027	6,037	18,134	88.2	98.5
Asian/PI	62	62	77	201	60,142	62,889	66,378	189,409	106.1	104.2
Other	267	318	288	873						
<b>Total</b>	13,931	17,047	15,847	46,825	3,273,395	3,269,585	3,266,775	9,809,755	477.3	488.4



# Diabetes Hospitalizations

## Diabetes

Race/Ethnicity	Hospitalizations				Population				Rate per	Rate per
	1993	1994	1995	93-95	1993	1994	1995	93-95	100,000	100,000
White	2,700	2,812	2,803	8,315	2,703,947	2,691,275	2,678,440	8,073,662	103.0	108.7
Black	729	791	769	2,289	269,884	270,499	271,377	811,760	282.0	292.6
Hispanic	267	274	321	862	233,352	238,895	244,543	716,790	120.3	121.0
Am Indian	2	0	6	8	6,070	6,027	6,037	18,134	44.1	*
Asian/PI	5	5	9	19	60,142	62,889	66,378	189,409	10.0	8.7
Other	39	50	60	149						
<b>Total</b>	<b>3,742</b>	<b>3,932</b>	<b>3,968</b>	<b>11,642</b>	<b>3,273,395</b>	<b>3,269,585</b>	<b>3,266,775</b>	<b>9,809,755</b>	<b>118.7</b>	<b>135.9</b>



# Coronary Artery Bypass Hospitalizations

## Coronary Artery Bypass Surgery, Age 35+

Race/Ethnicity	Hospitalizations				Population				Rate per	Rate per
	1993	1994	1995	93-95	1993	1994	1995	93-95	1,000	1,000
White	3,572	3,793	4,059	11,424	1,457,135	1,467,416	1,477,979	4,402,530	2.6	2.9
Black	105	102	117	324	102,347	104,511	106,967	313,825	1.0	1.1
Hispanic	60	85	79	224	71,388	74,353	77,620	223,361	1.0	1.1
Am Indian	2	4	2	8	2,649	2,674	2,696	8,019	1.0	3.2
Asian/PI	5	11	14	30	21,928	23,289	25,260	70,477	0.4	0.2
Other	82	111	97	290						
<b>Total</b>	<b>3,826</b>	<b>4,106</b>	<b>4,368</b>	<b>12,300</b>	<b>1,655,447</b>	<b>1,672,243</b>	<b>1,690,522</b>	<b>5,018,212</b>	<b>2.5</b>	<b>2.8</b>



# Angioplasty Hospitalizations

## Angioplasty, Age 35+

Race/Ethnicity	Hospitalizations				Population				Rate per	Rate per
	1993	1994	1995	93-95	1993	1994	1995	93-95	1,000 93-95	1,000 1996
White	4,415	4,449	5,219	14,083	1,457,135	1,467,416	1,477,979	4,402,530	3.2	3.5
Black	156	189	184	529	102,347	104,511	106,967	313,825	1.7	1.7
Hispanic	86	134	161	381	71,388	74,353	77,620	223,361	1.7	2.4
Am Indian	2	2	0	4	2,649	2,674	2,696	8,019	0.5	*
Asian/PI	10	6	9	25	21,928	23,289	25,260	70,477	0.4	0.3
Other	68	102	100	270						
<b>Total</b>	<b>4,737</b>	<b>4,882</b>	<b>5,673</b>	<b>15,292</b>	<b>1,655,447</b>	<b>1,672,243</b>	<b>1,690,522</b>	<b>5,018,212</b>	<b>3.0</b>	<b>3.4</b>



## SUMMARY FOR AFRICAN AMERICANS

Disparities with whites in:

- ◆ All Mortality Rates
- ◆ All Infectious Disease Incidence Rates
- ◆ All STD Incidence Rates
- ◆ All Pregnancy and Birth Outcomes
- ◆ All Categories of Hospitalizations



## SUMMARY FOR HISPANICS

Disparities with whites in:

- ◆ Homicide Death Rates
- ◆ AIDS Death Rates
- ◆ Diabetes and Diabetes Related Death Rates
- ◆ All Infectious Disease Incidence Rates
- ◆ All STD Incidence Rates
- ◆ All Pregnancy and Birth Outcomes
- ◆ 5 of 7 Categories of Hospitalizations



## SUMMARY FOR ASIAN AMERICANS AND PACIFIC ISLANDERS

Disparities with whites in:

- ◆ 2 of 4 Infectious Disease Incidence Rates
- ◆ 2 of 3 STD Incidence Rates
- ◆ 3 of 4 Pregnancy and Birth Outcomes



## SUMMARY FOR NATIVE AMERICANS

Disparities with whites in:

- ◆ Diabetes and Diabetes-related Mortality Rates
- ◆ Unintentional Injury Mortality Rates
- ◆ All Pregnancy and Birth Outcomes
- ◆ AIDS Incidence Rates
- ◆ Gonorrhea Incidence Rates



## Healthy People 2000 and 2010

- ◆ One of the three goals in *Healthy People 2000* was to reduce health disparities among Americans
- ◆ One of the two goals in *Healthy People 2010* is to eliminate health disparities



## Healthy Connecticut 2000 Progress Report

- ◆ There are 32 objectives in *Healthy Connecticut 2000* that address minority health status
- ◆ Five ( 16%) have met or surpassed their Year 2000 target
- ◆ Eight (25%) have not met their Year 2000 target
- ◆ Nineteen (59%) do not have a target value



## Healthy Connecticut 2000 Progress of Minority Objectives

Objective Description	Base year	Baseline	1997	1998	Target	% of Target
Primary and secondary syphilis (blacks, per 100,000)	1990	236.3	11.7		30.0	256%
Gonorrhea incidence (blacks, per 100,000)	1993	803.0	549.0		1,150.0	209%
Coronary heart disease deaths (blacks, per 100,000)	1990	114.1	112.1		115.0	103%
Infant mortality (Hispanics, per 1,000 live births)	1995	7.6	7.9		8.0	101%
DPH-funded family planning contractors that provide outreach	1996	100	100.0	100.0	100.0	100%
Stroke deaths (blacks, per 100,000)	1990	28.9	30.0		27.0	90%
Infant mortality (blacks, per 1,000 live births)	1990	17.8	14.9		11.0	74%
Growth retardation (Hispanic, low income, 1 yr, %)	1991	10.9		11.0	7.0	64%
Tuberculosis incidence (blacks, per 100,000)	1989	21.9	15.0		9.0	60%
Growth retardation (Hispanic, low income, <1 yr, %)	1991	7.8		12.3	7.0	57%
Growth retardation (black, low income, <1 yr, %)	1991	11.6		14.3	7.0	49%
Tuberculosis incidence (Hispanics, per 100,000)	1989	8.9	15.0		5.0	33%
Tuberculosis incidence (Asian Americans & Pacific Islanders)	1989	29.6	50.9		12.0	24%

