



HSN Report

Adults
October, 2006



Brain Drain

**There are 3 kinds of mathematicians,
those who can count and those who
can't.**

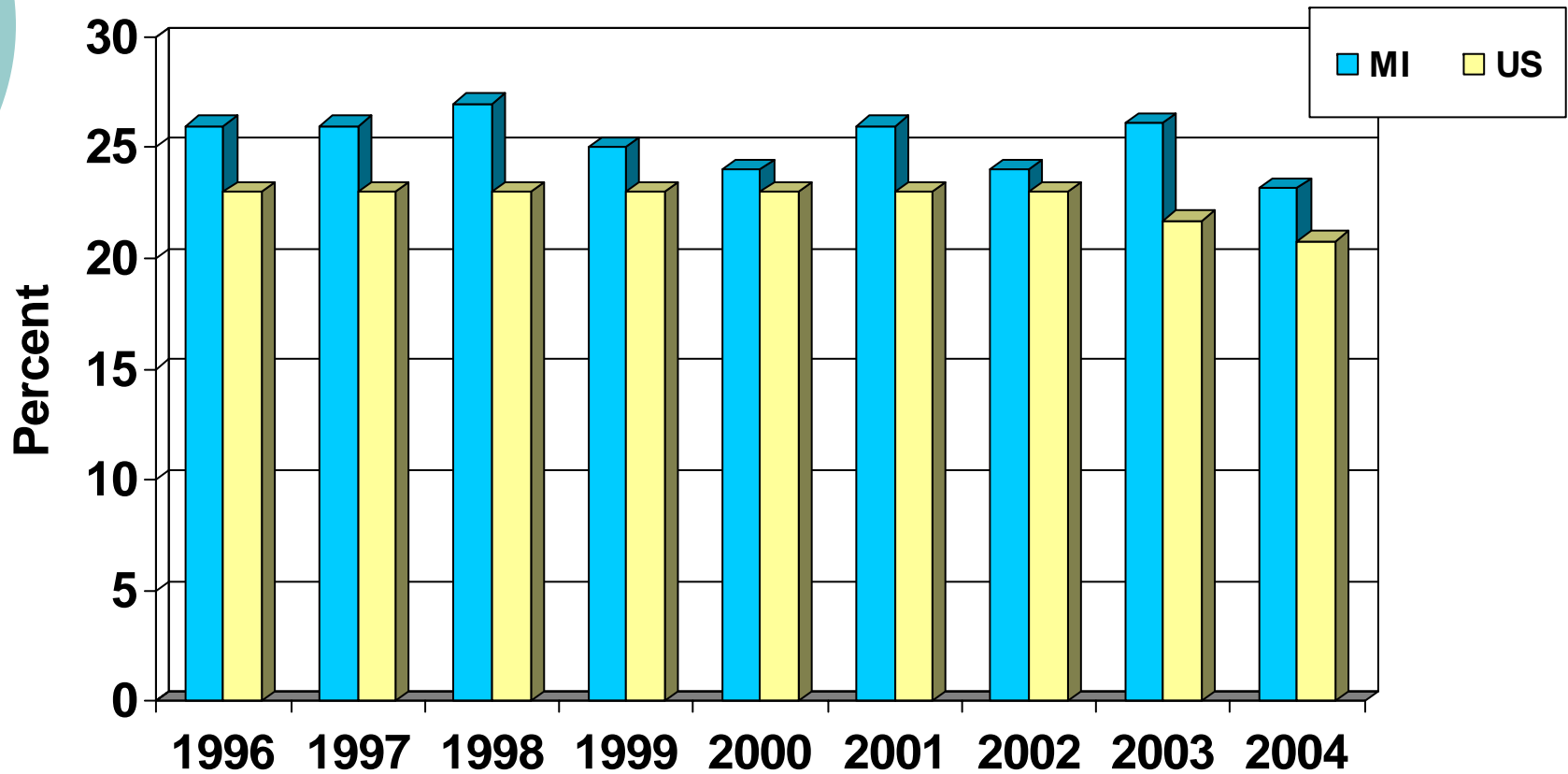
Healthy habits ??



Current smokers - Michigan vs. US

(Smoke everyday + smoke some days)

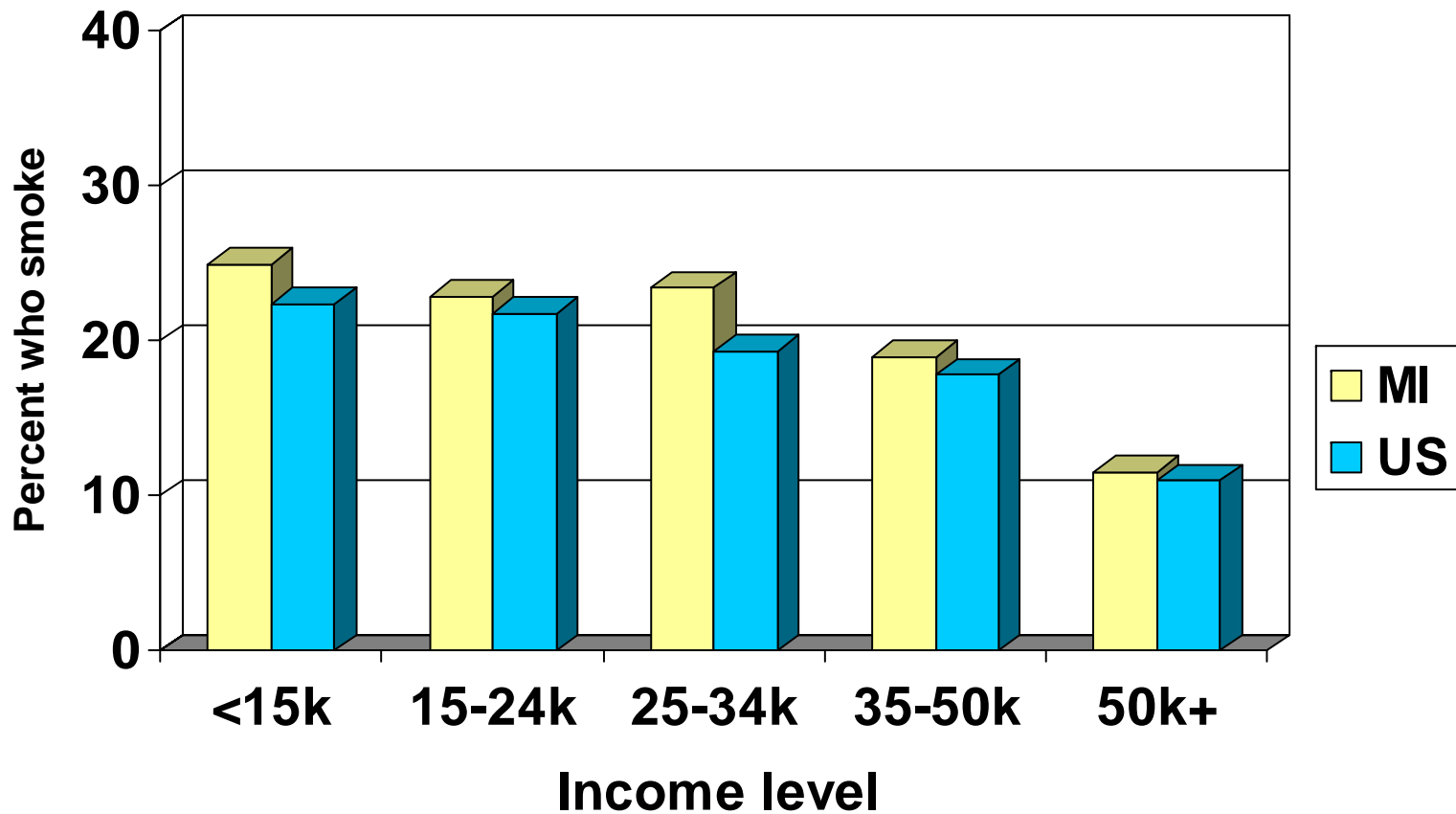
Source: Behavioral Risk Factor Surveillance System 2004



Smoking vs. Income level- Michigan vs. U.S.

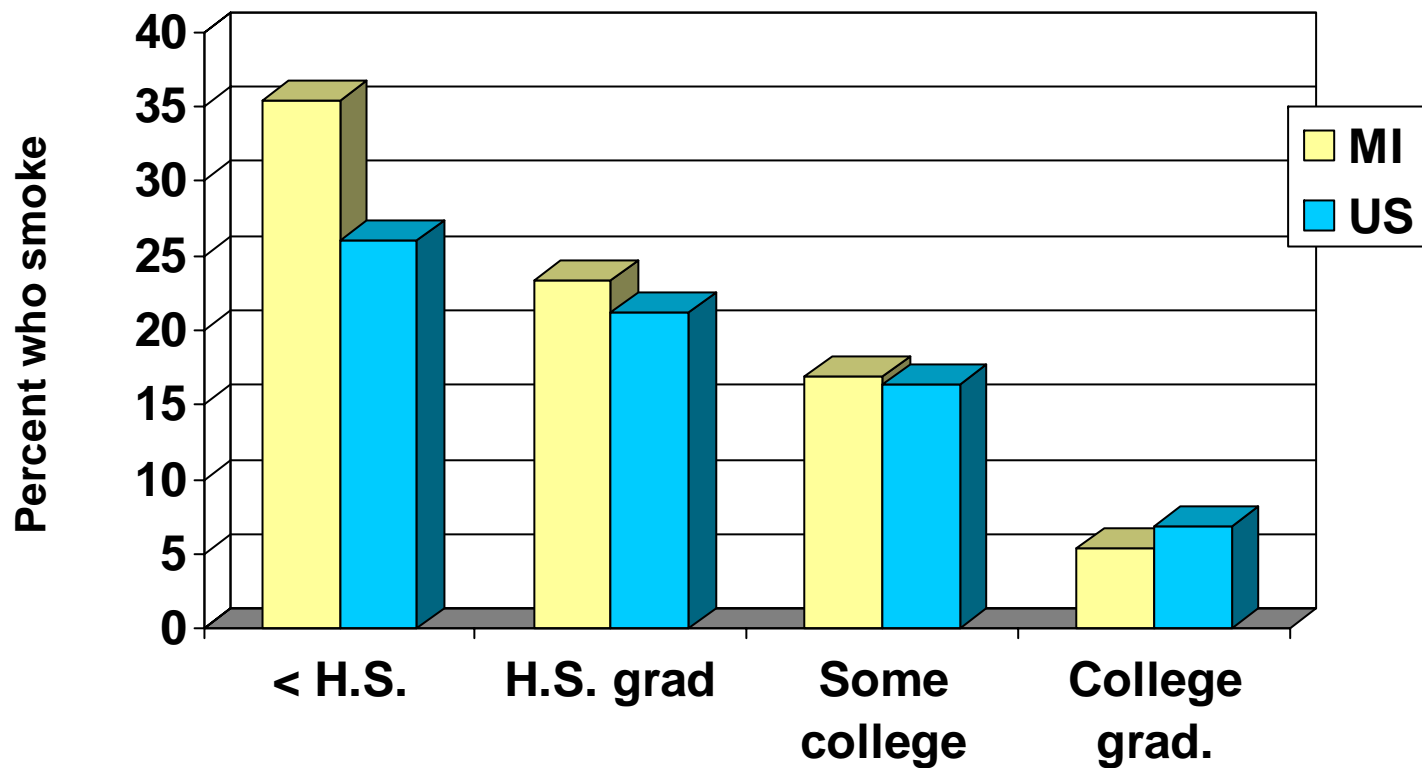
(Smoke everyday)

Source: Behavioral Risk Factor Surveillance System 2004



Smoking vs. Education level – Michigan vs. U.S. Smoke Everyday

Source: Behavioral Risk Factor Surveillance System 2004

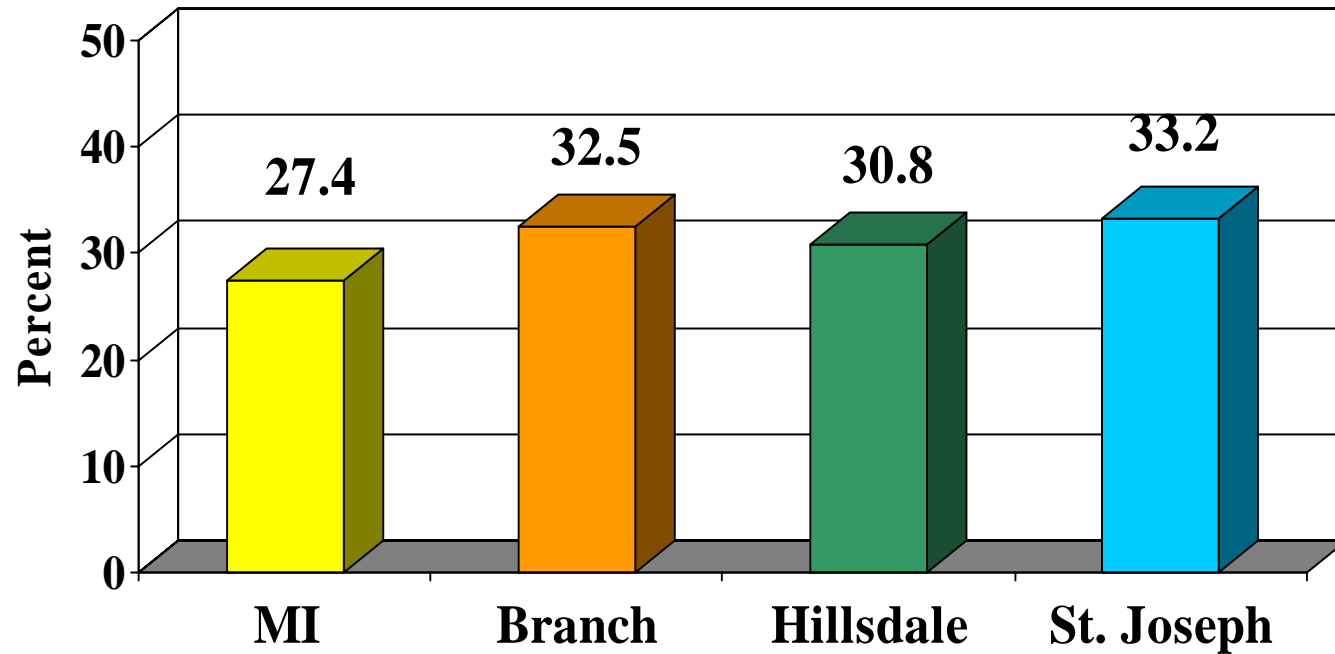


Branch/Hillsdale/St. Joseph

How do we compare?

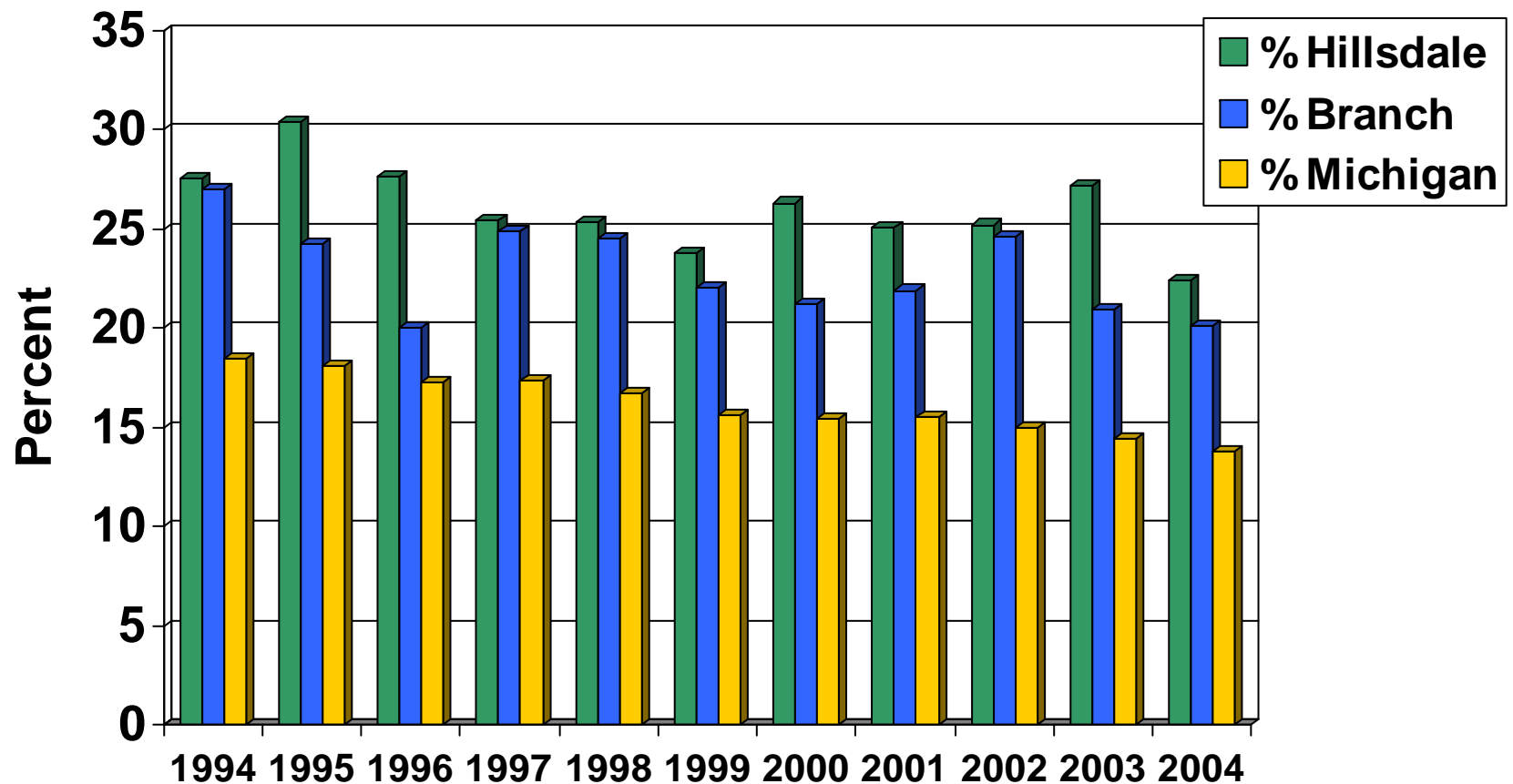
Source: Behavioral Risk Factor Study 1998

% Current smokers/MI and by County



Mothers who smoked during Pregnancy – Hillsdale, Branch and Michigan -1994-2004

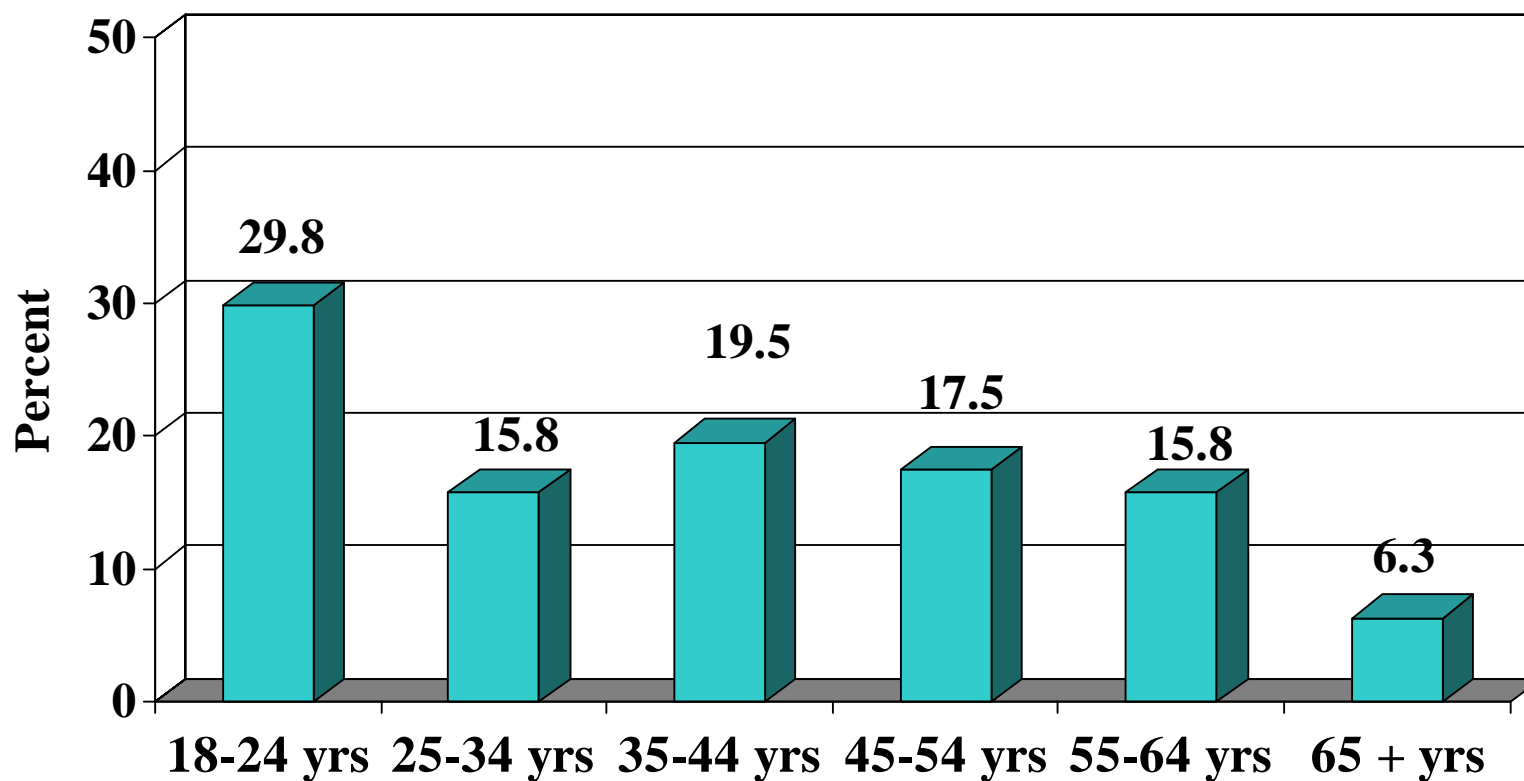
Source: Michigan Birth files



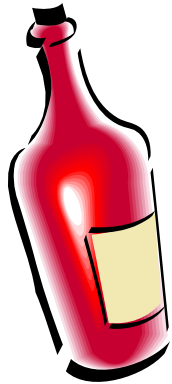
Smoking trends by age group – Michigan

Smoke everyday

Source: Behavioral Risk Factor Survey – 2004



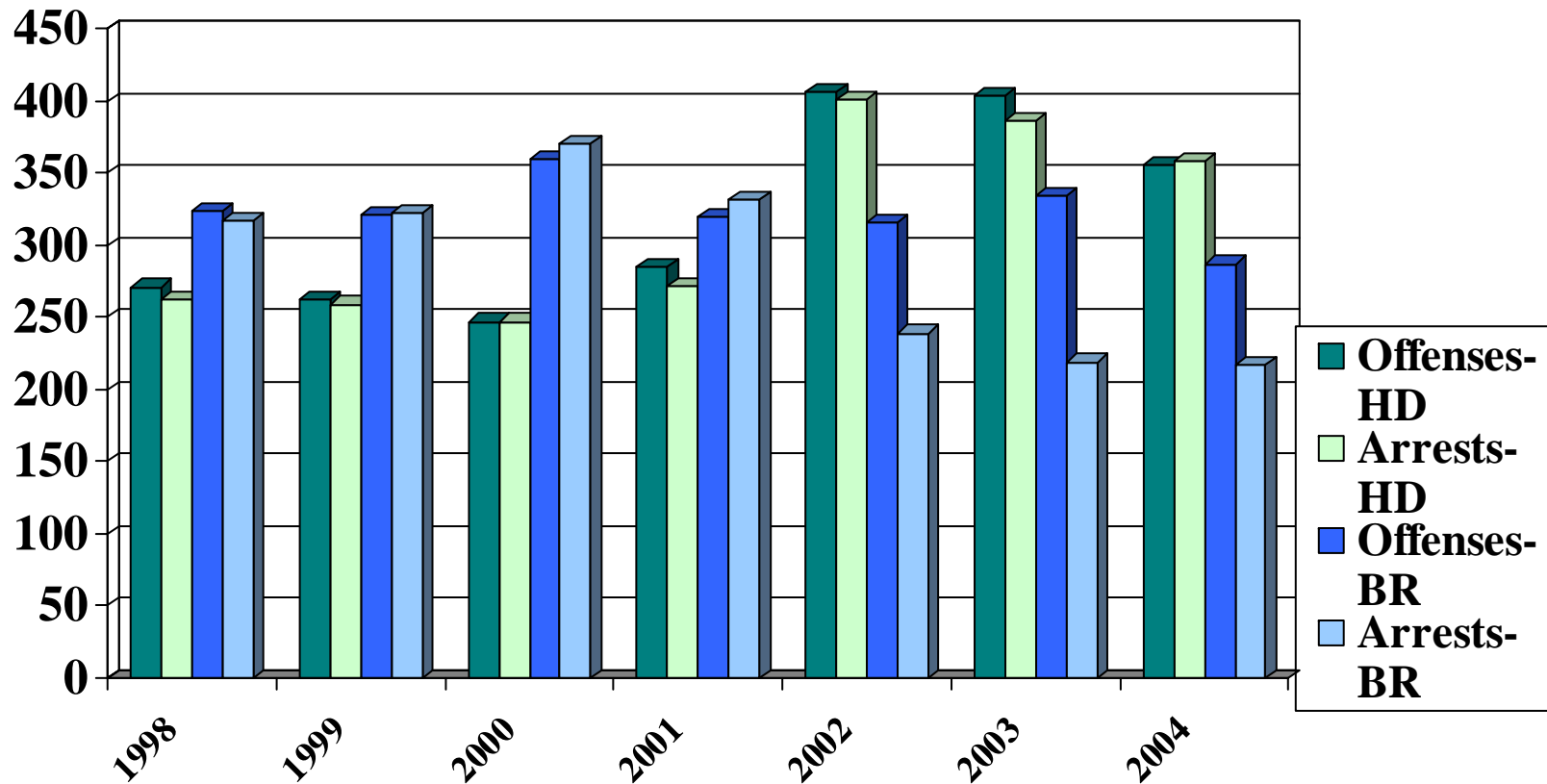
Alcohol and Drugs



Offenses and arrests for DUI (Alcohol or narcotics)

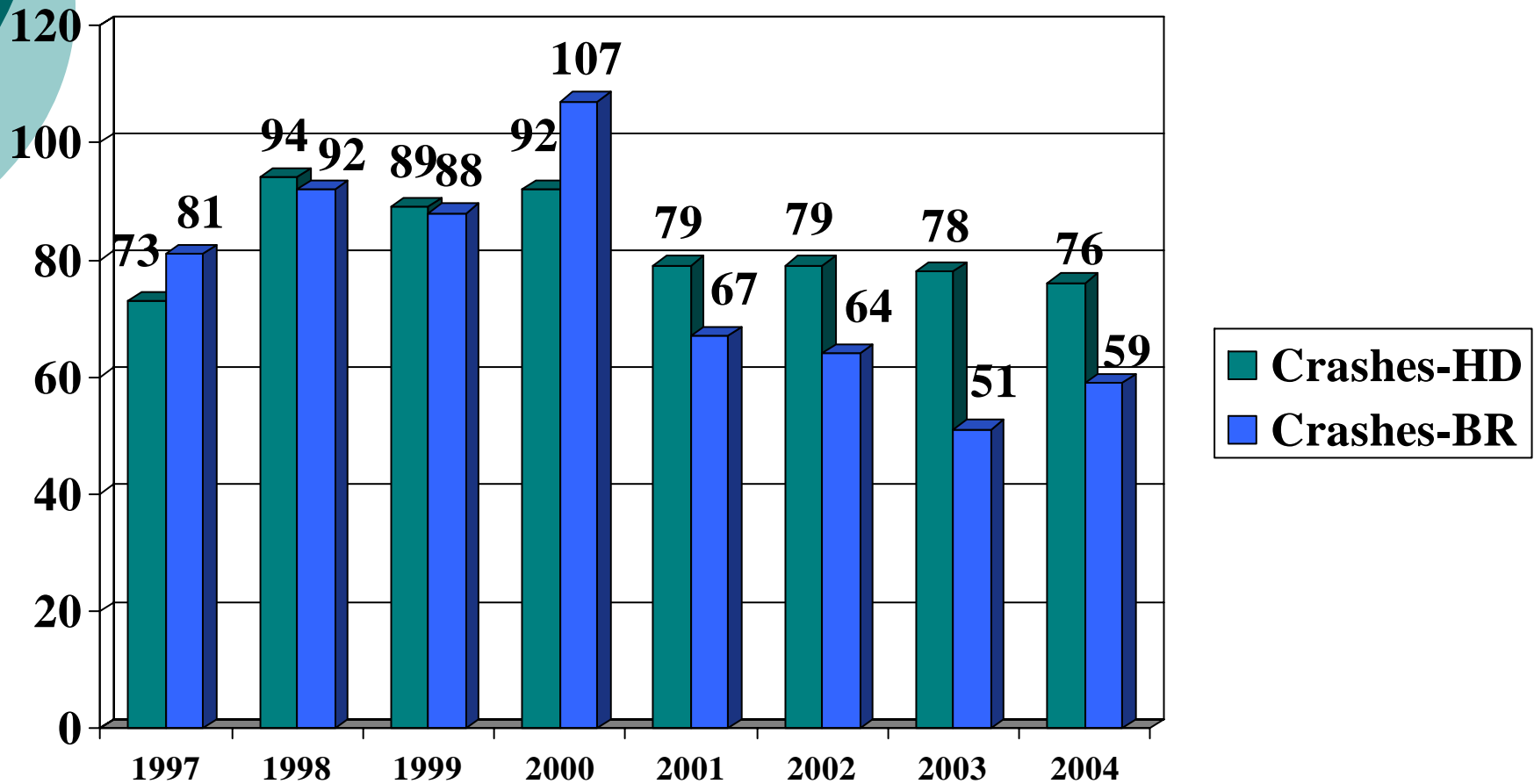
Hillsdale County 1998-2004

Source: MSP Uniform Crime Report



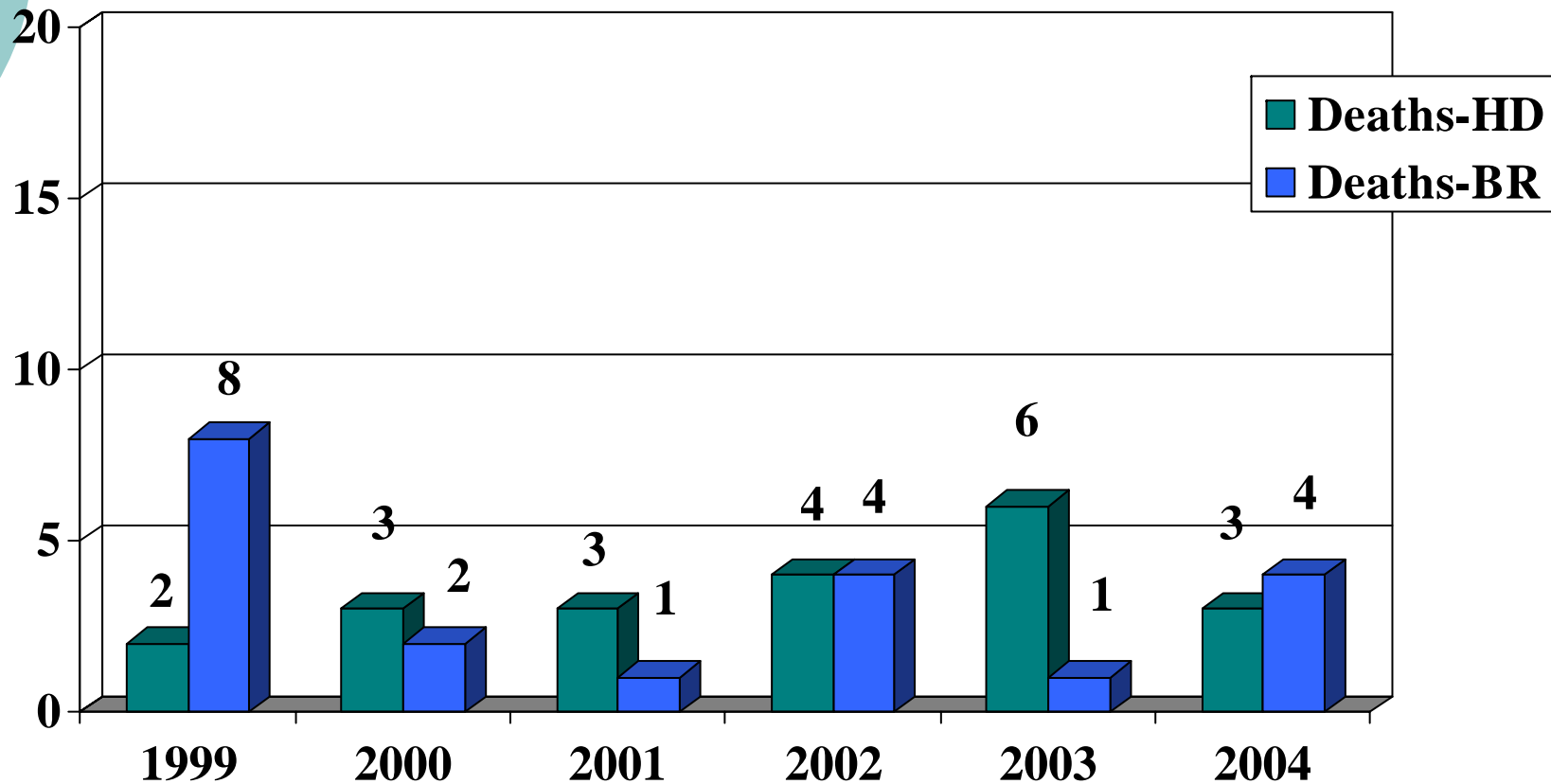
Motor vehicle accidents involving driving when impaired, Hillsdale County

Source: Michigan Traffic Crash Facts



Number killed in motor vehicle accidents with alcohol involved - Hillsdale County 1999-2004

Source: Michigan State Police Traffic Crash Facts

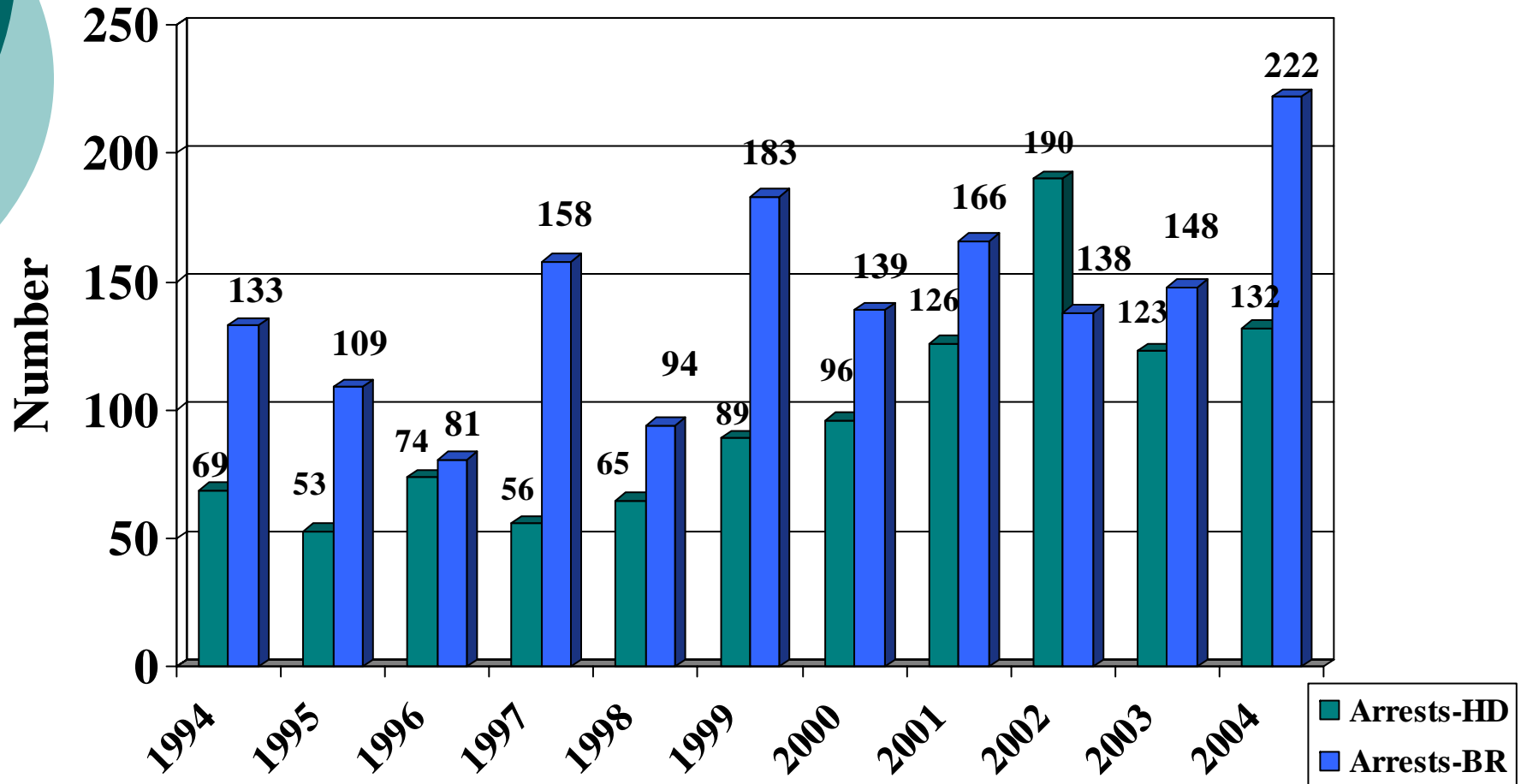


Crime



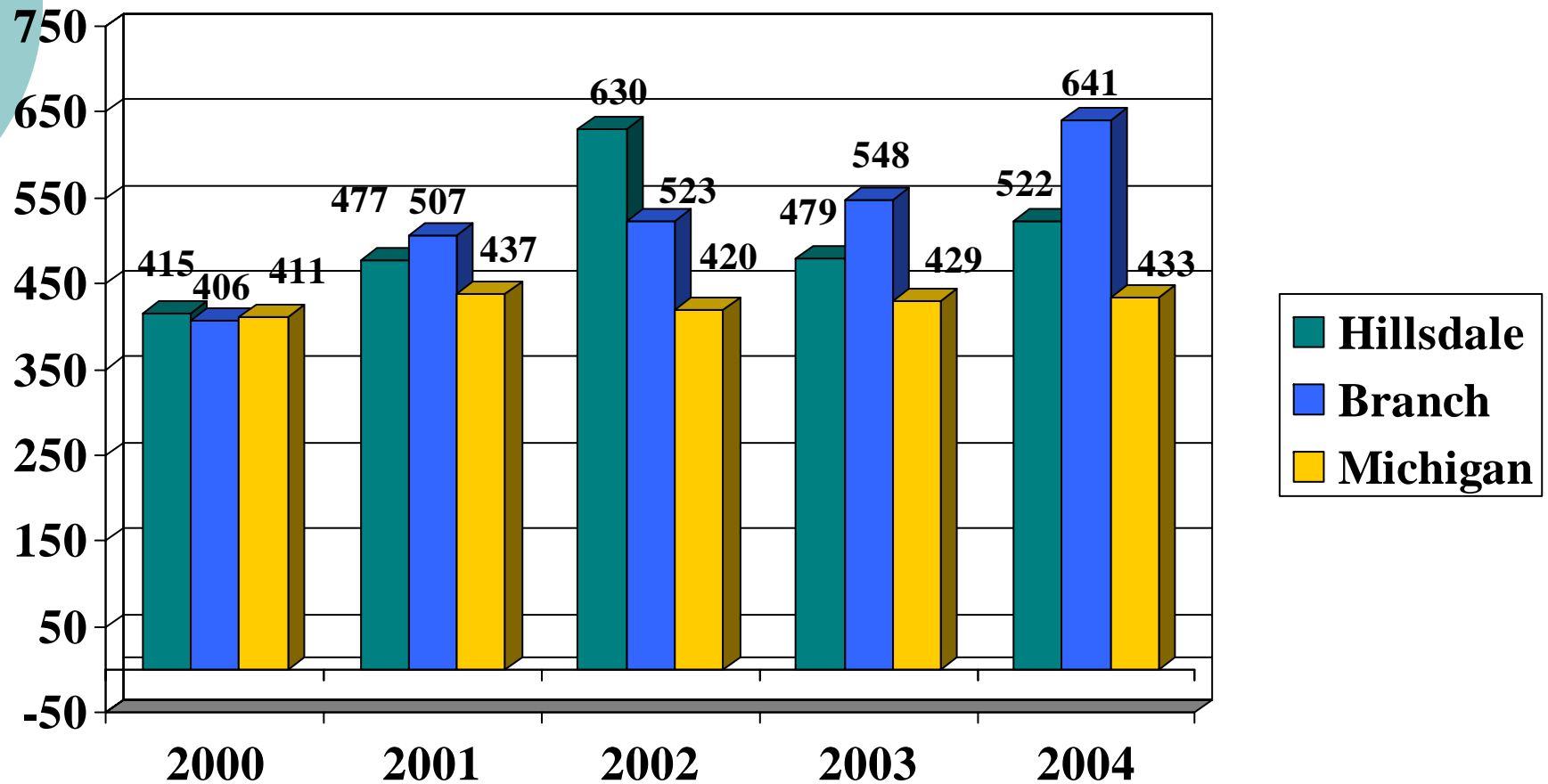
Offenses and arrests due to narcotic law violations, Hillsdale/Branch, 1994 to 2004

Source: MSP Uniform Crime Report



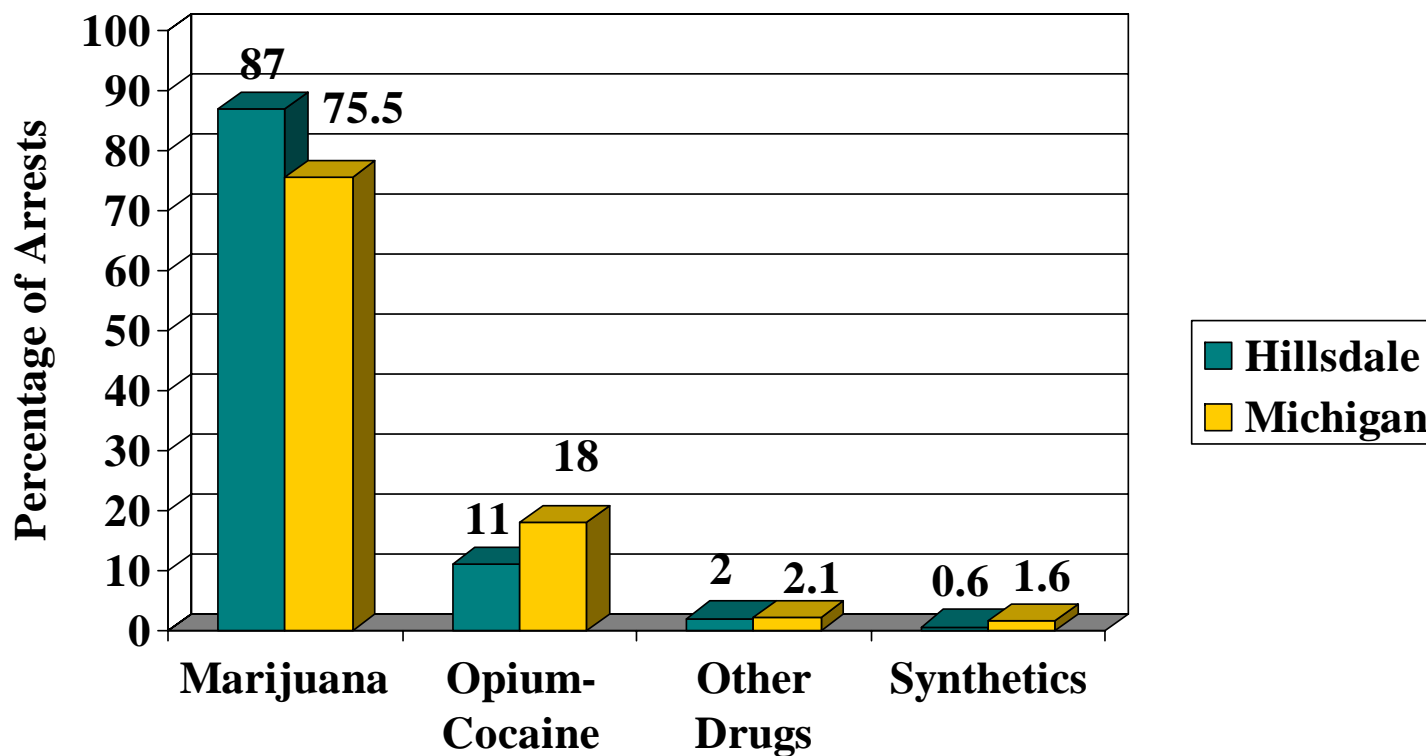
Narcotic offense rate per 100,000, Hillsdale, Branch & MI, 2000-2004


Source: MSP Uniform Crime Reports



2003 Narcotic arrests by type of drug Hillsdale County and Michigan

Source: Michigan State Police/Hillsdale Co. Sheriff's Department





Non-Index crimes, 5-Year (2000-2004) average arrest rates per 100,000 for Hillsdale & Branch counties & Michigan

Source: Michigan State Police Uniform Crime Reports

	BR	HD	MI
	Rate	Rate	Rate
Neg.Manslaughter	1.3	1.3	.9
Non-aggr. Assault	1150.2	1439.9	1210
Forgery	41.3	59.4	73.1
Fraud	409.7	559.9	382.5
Embezzlement	54.3	39.3	47.6
Stolen Property	36.5	28.2	59.8
Vandalism	1061.3	1156.4	1031.1
Weapons	30	29.9	44.5
Sex Offenses	163.8	123.5	102.5
Narcotic Laws	526	498.9	425.9
Family&Children	210.2	285.4	89
DUI	701.9	725.1	531
Liquor Laws	291.6	267.5	215.8
Disorderly Conduct	716.9	780.7	635.8



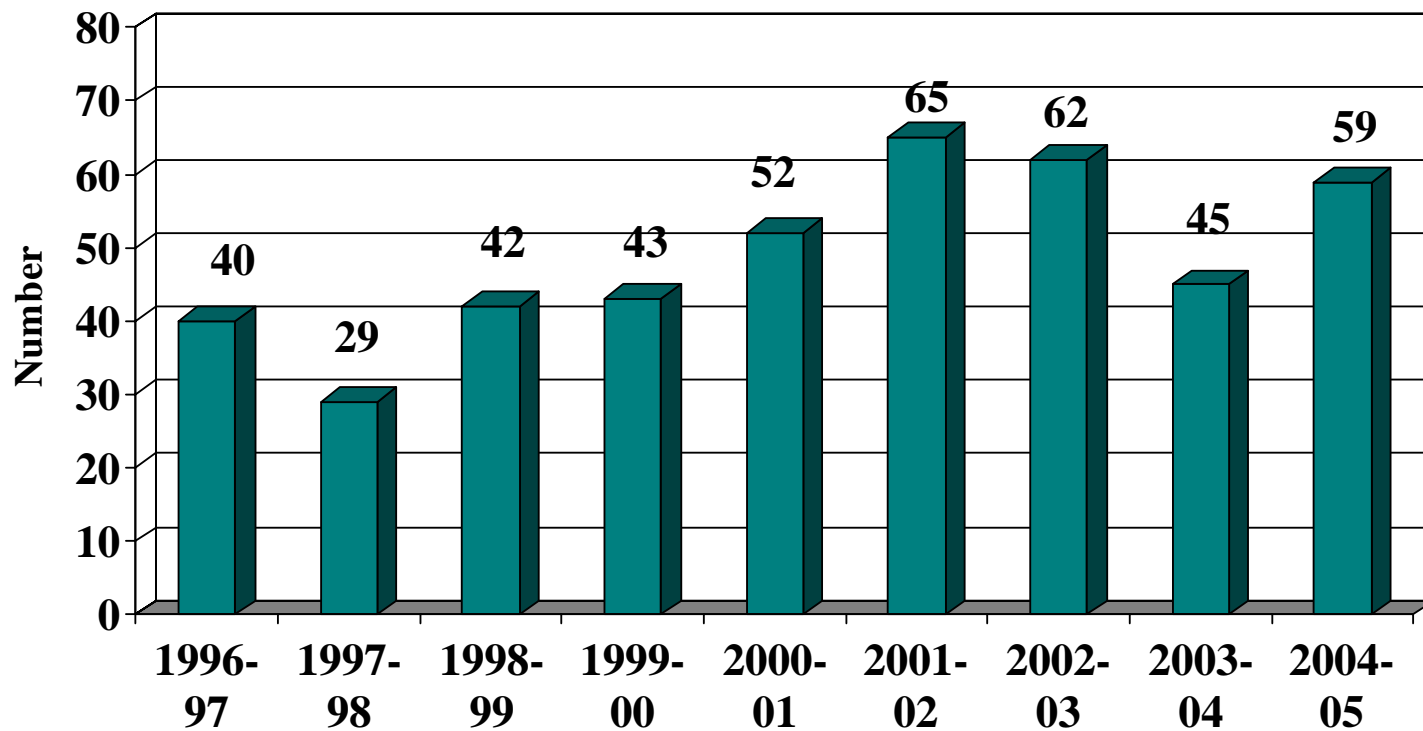
Index Crimes Hillsdale, Branch and Michigan 5 year average arrest rates per 100,000 for 2000-2004

Source: Michigan State Police Uniform Crime Reports

Crime	BR Rate	HD Rate	MI Rate
Murder	1.3	2.1	6.5
Rape	86.5	74.3	53.5
Robbery	9.6	12	120.6
Aggr. Assault	189.4	169.3	345.3
Burglary	485.3	566.3	678.4
Larceny	1787.9	1569.8	2096.4
MV Theft	128.3	122.2	516.8
Arson	31.7	22.7	43
Total	2720	2538.7	3680.4

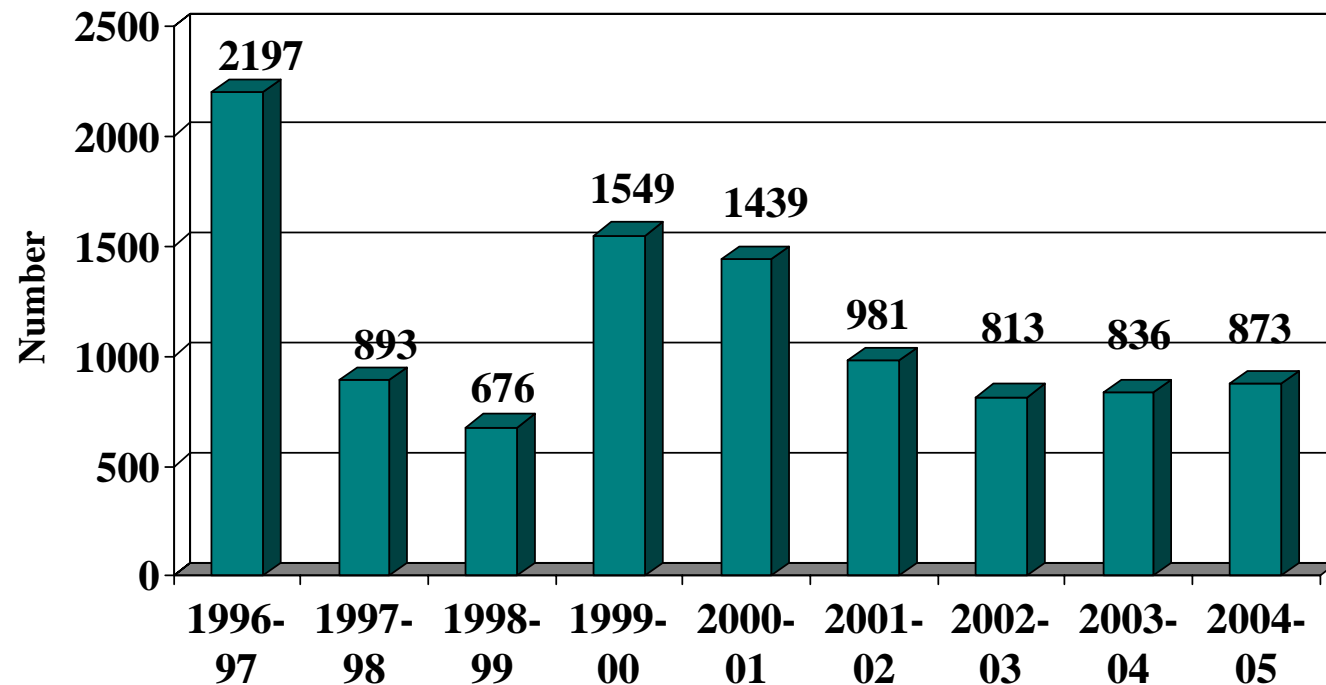
Number of adults in Hillsdale seeking shelter for domestic violence 1996-2005

Source: Domestic Harmony

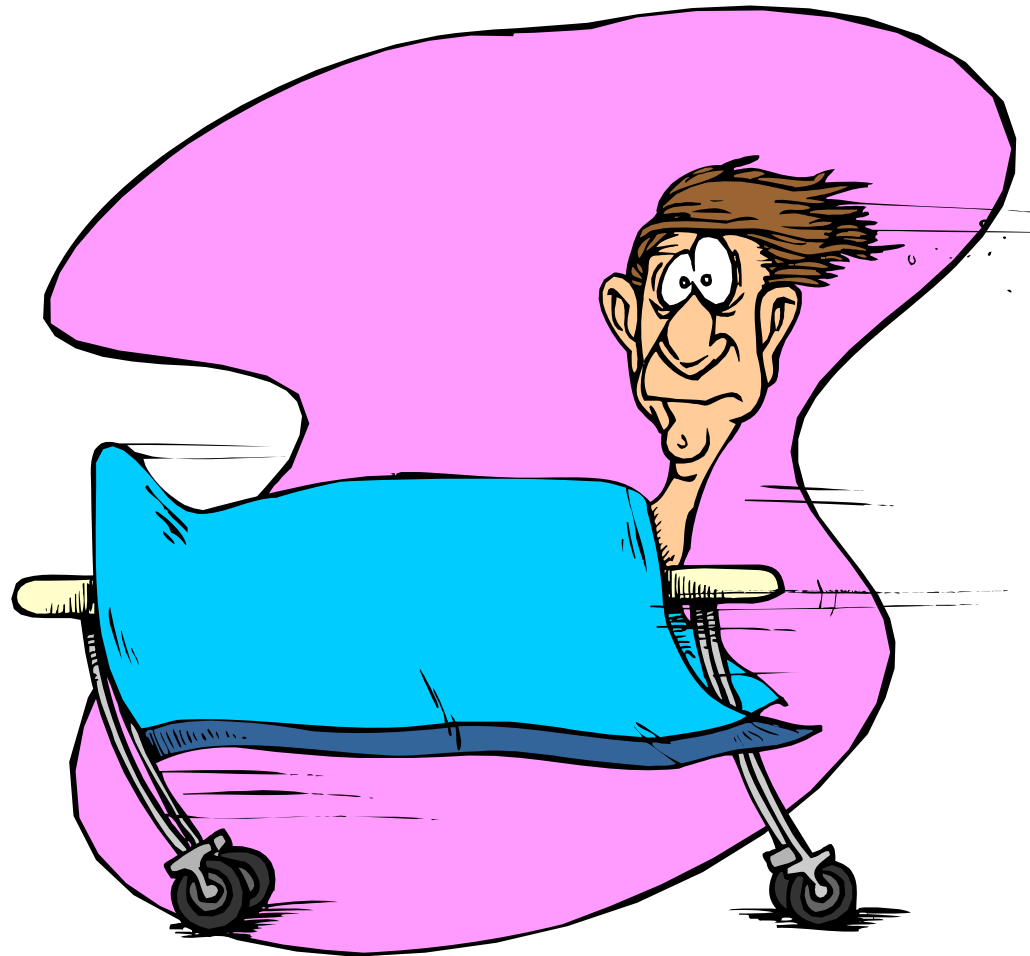


Number of adult resident nights provided by Domestic Violence Shelter 1996-2005

Source: Domestic Harmony

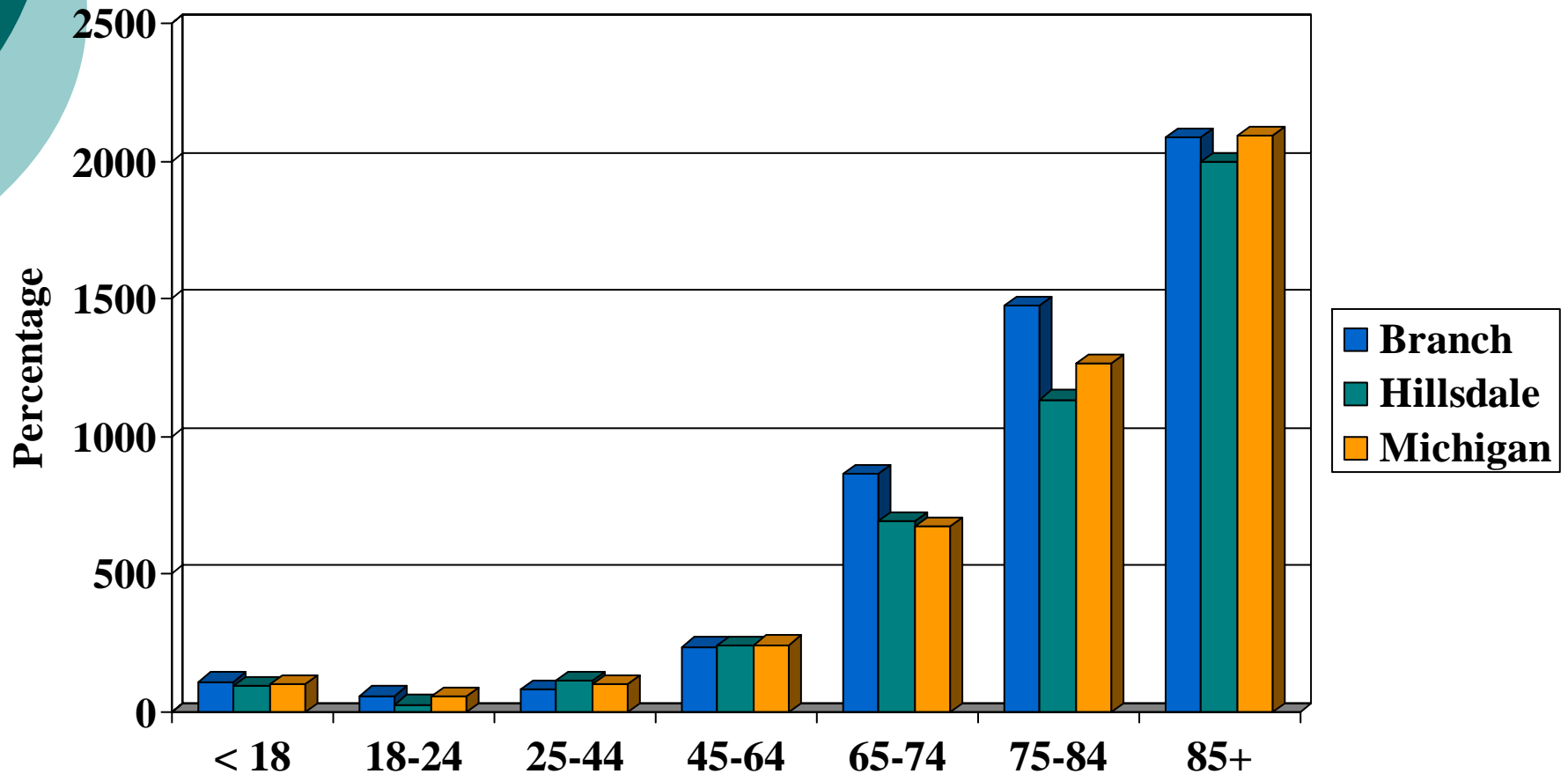


Hospitalization and Mortality



Rate per 10,000 of preventable hospitalizations by age group Hillsdale, Branch, Michigan- 2003

Source: MDCH Hospitalization files



Number and rank of preventable hospitalizations by type, all ages Hillsdale, Branch and Michigan, 2003

Source: Michigan Resident Inpatient Files

Preventable Hospitalization	BR Rank	HD Rank	MI Rank
● Pneumonia	1	1	2
● Congestive heart failure	2	2	1
● COPD	3	3	3
● Angina	8	6	10
● Kidney/Urinary	5	4	5
● Dehydration	9	5	7
● Asthma	4	7	4
● Diabetes	7	9	8
● Cellulitis	6	8	6
● Gastroenteritis	10	*	*
● Hypertension	*	10	12
● Convulsions	*	*	9



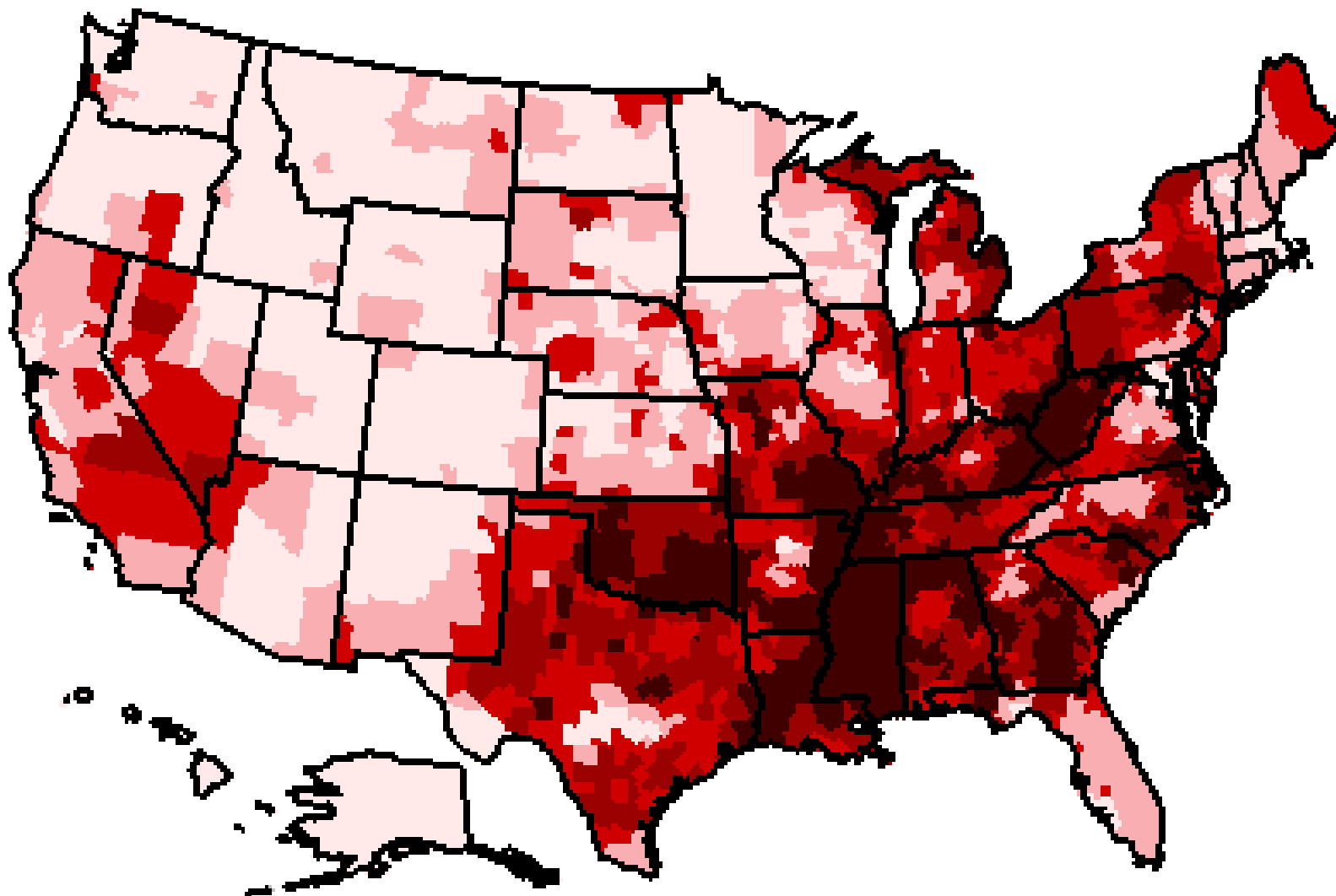
Leading Causes of Death and Crude Rates per 100,000, Hillsdale/Branch Counties, and Michigan, 2004

Source: 2004 Resident Death File

Cause	BR Rate	HD Rate	MI Rate
Heart Disease	206.7	294.9	245.3
Cancer	223.9	217	194.4
Stroke	51.7	37.9	52.2
Unintentional Injuries	43.1	46.3	32.6
Chronic Lower Respiratory	68.9	44.2	42
Diabetes	43.1	16.9	29.2
Alzheimer's	28	14.7	22.1
Pneumonia or Influenza	19.4	25.3	19.4
Kidney Disease	*	23.2	14.9
Suicide	12.9	14.7	10.8

Rates of Death due to diseases of the Heart

Source: CDC 2000 U.S. death data





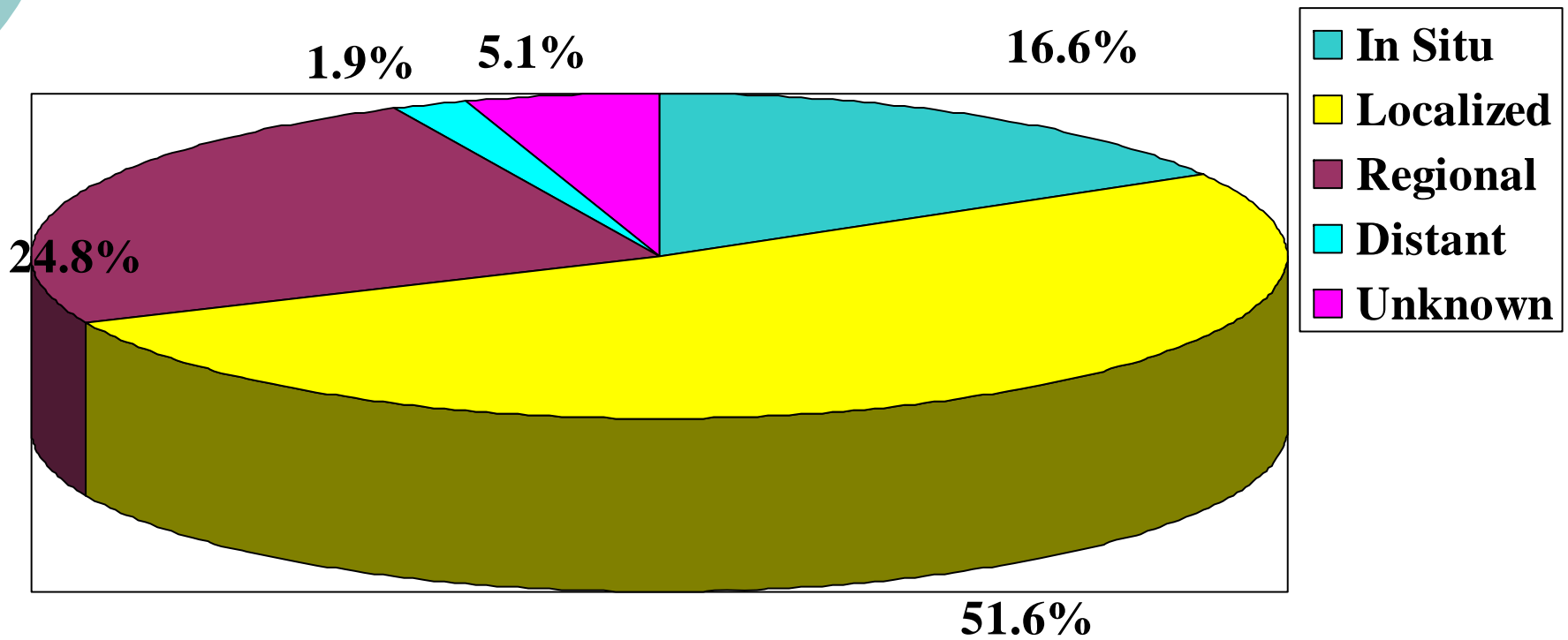
Cancer terminology - Stage definitions

(stuff you would rather not have to hear)

- *In Situ* – Presence of malignant cells within the cell group from which they arose. Latin for “in the place”
- *Localized* – invasive cancer confined to the organ of origin
- *Regional* – direct extension to adjacent organs or tissues or involvement in the regional lymph nodes.
- *Distant* – continuation to non-adjacent organs, involvement of the distant lymph nodes

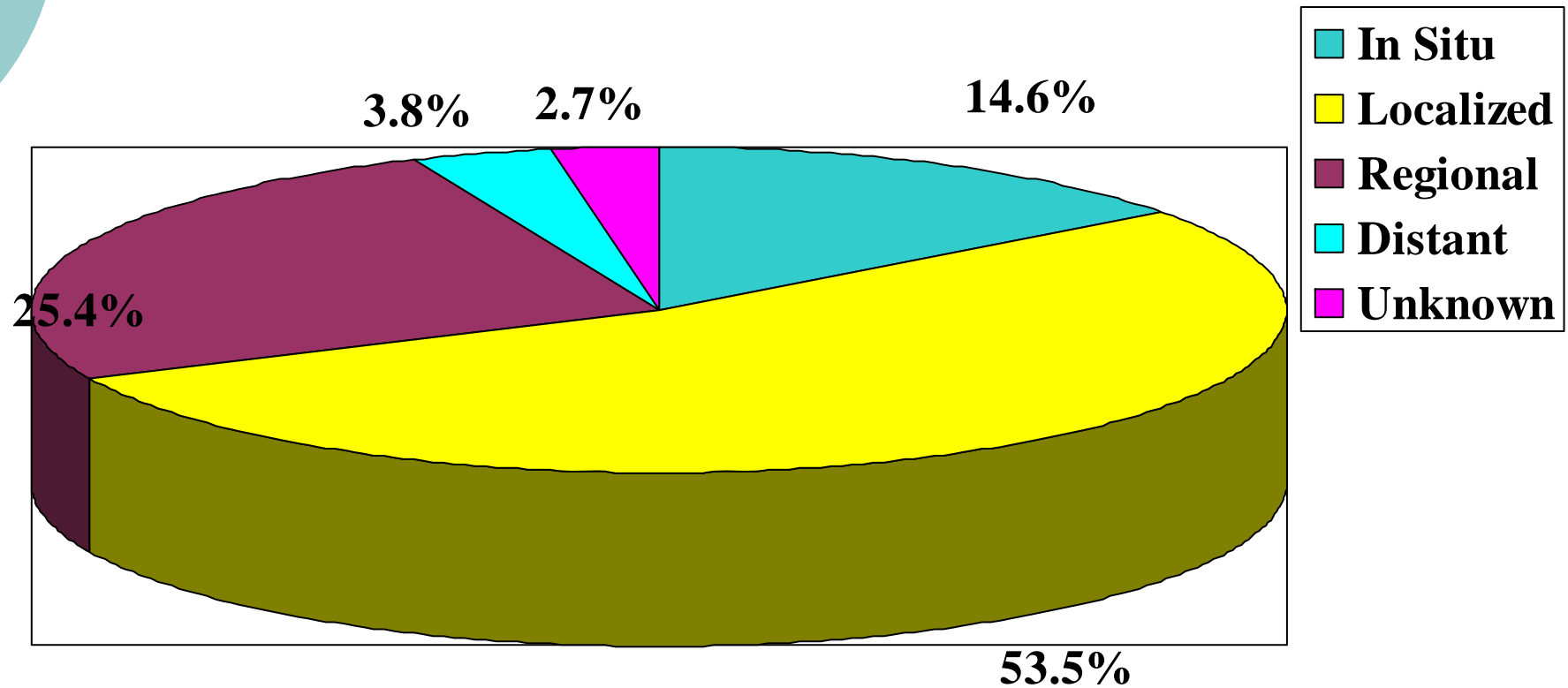
Percentage of breast cancer cases by stage at diagnosis, Hillsdale Residents, 1996-2000

Source: MDCH Hospitalization records



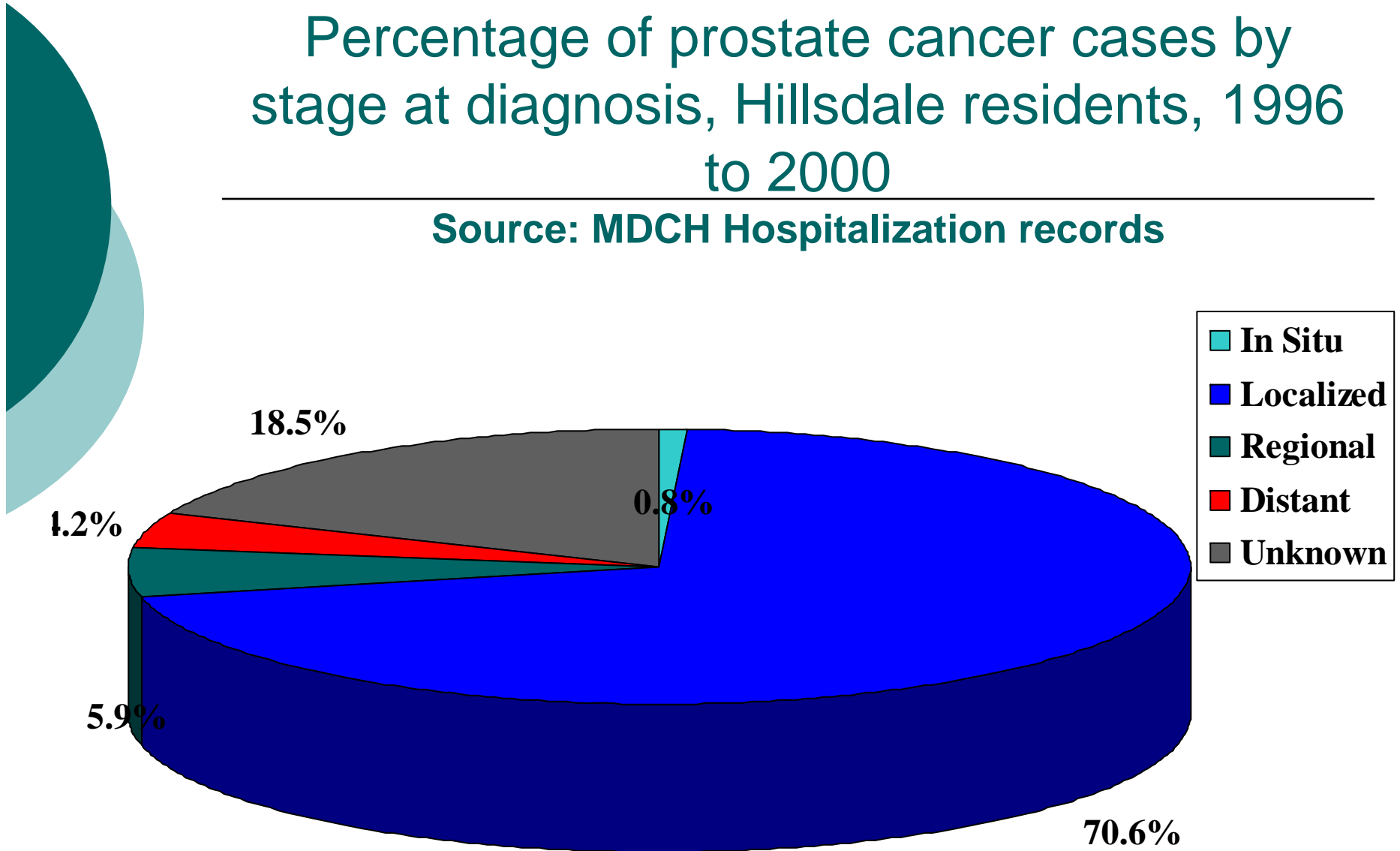
Percentage of breast cancer cases by stage at diagnosis, Hillsdale Residents, 1998-2002

Source: MDCH Hospitalization records



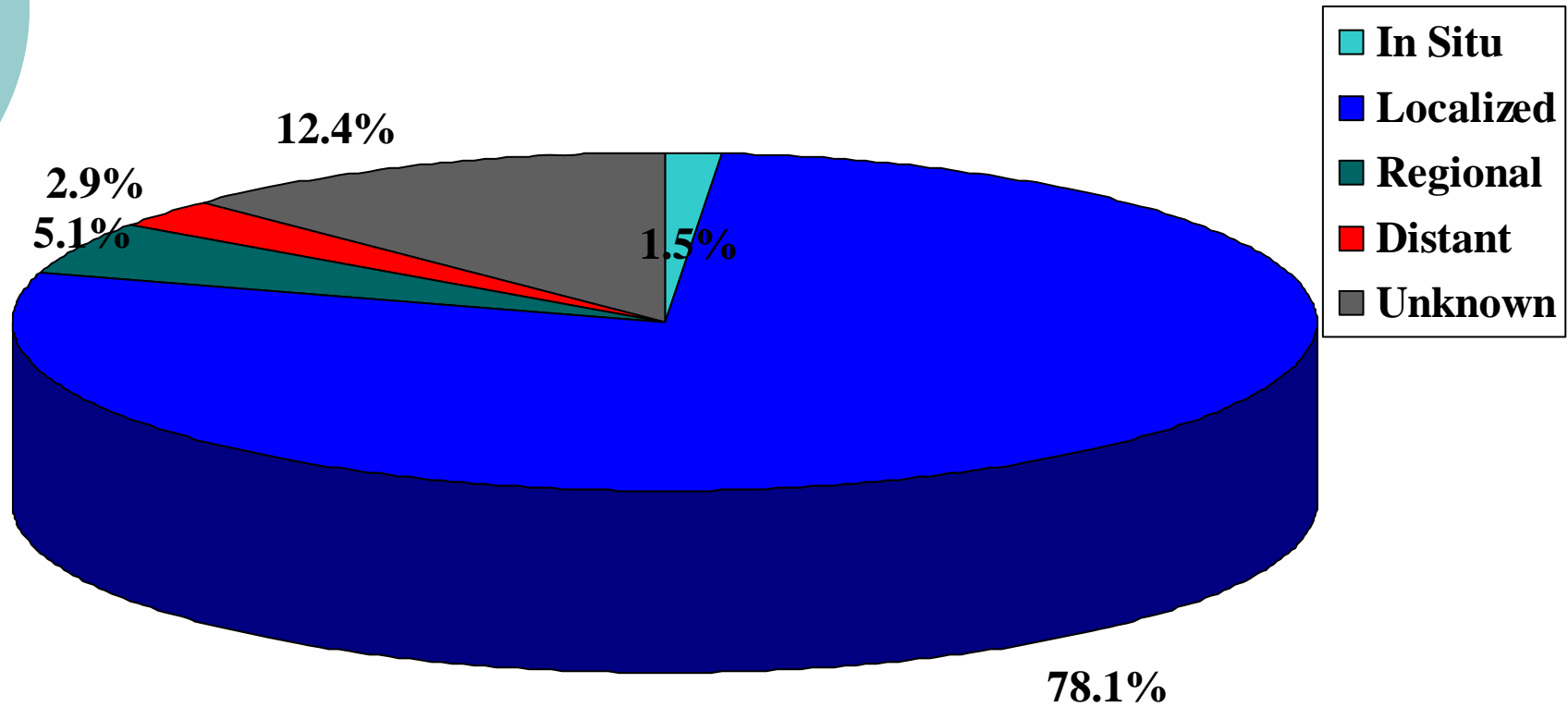
Percentage of prostate cancer cases by stage at diagnosis, Hillsdale residents, 1996 to 2000

Source: MDCH Hospitalization records



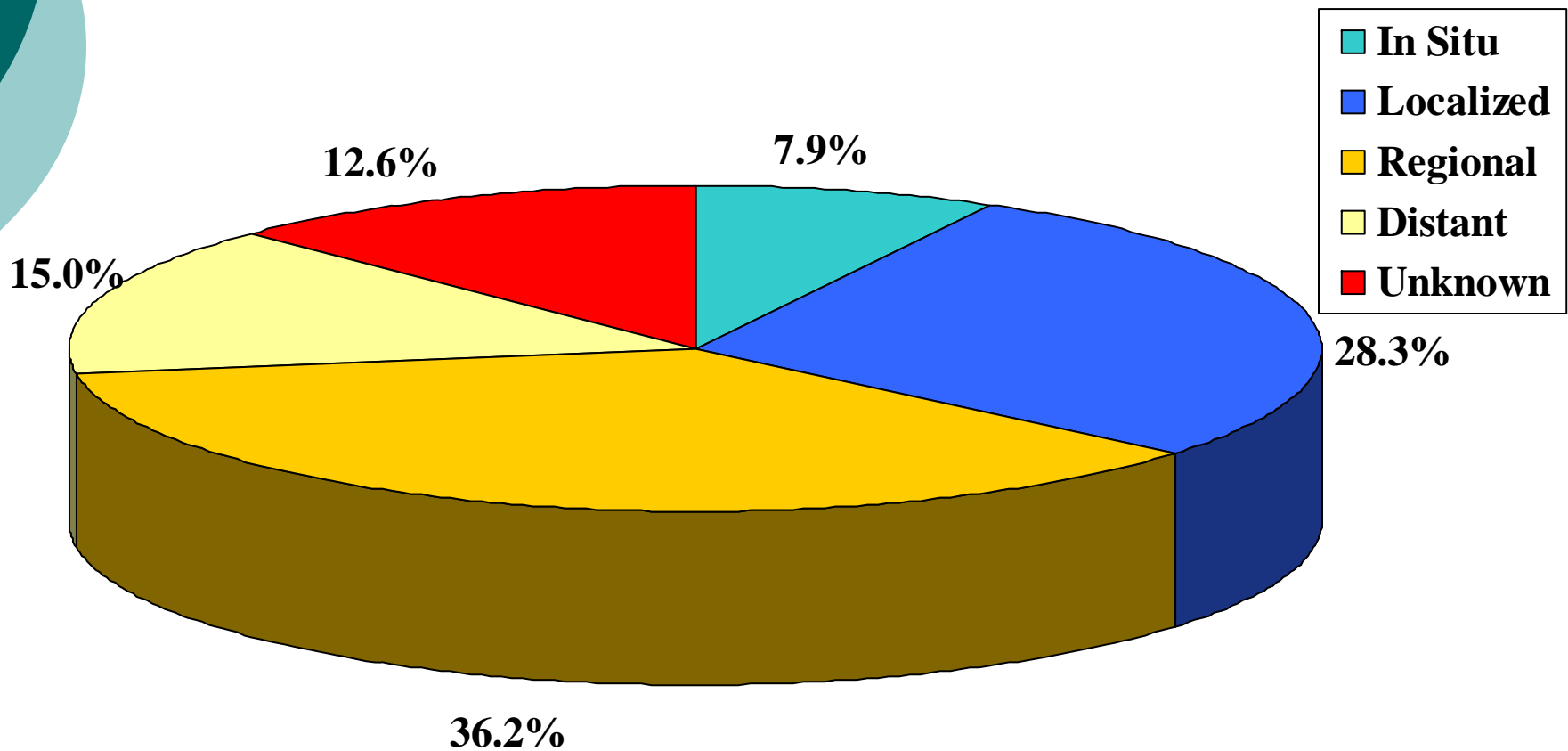
Percentage of prostate cancer cases by stage at diagnosis, Hillsdale residents, 1998 to 2002

Source: MDCH Hospitalization records



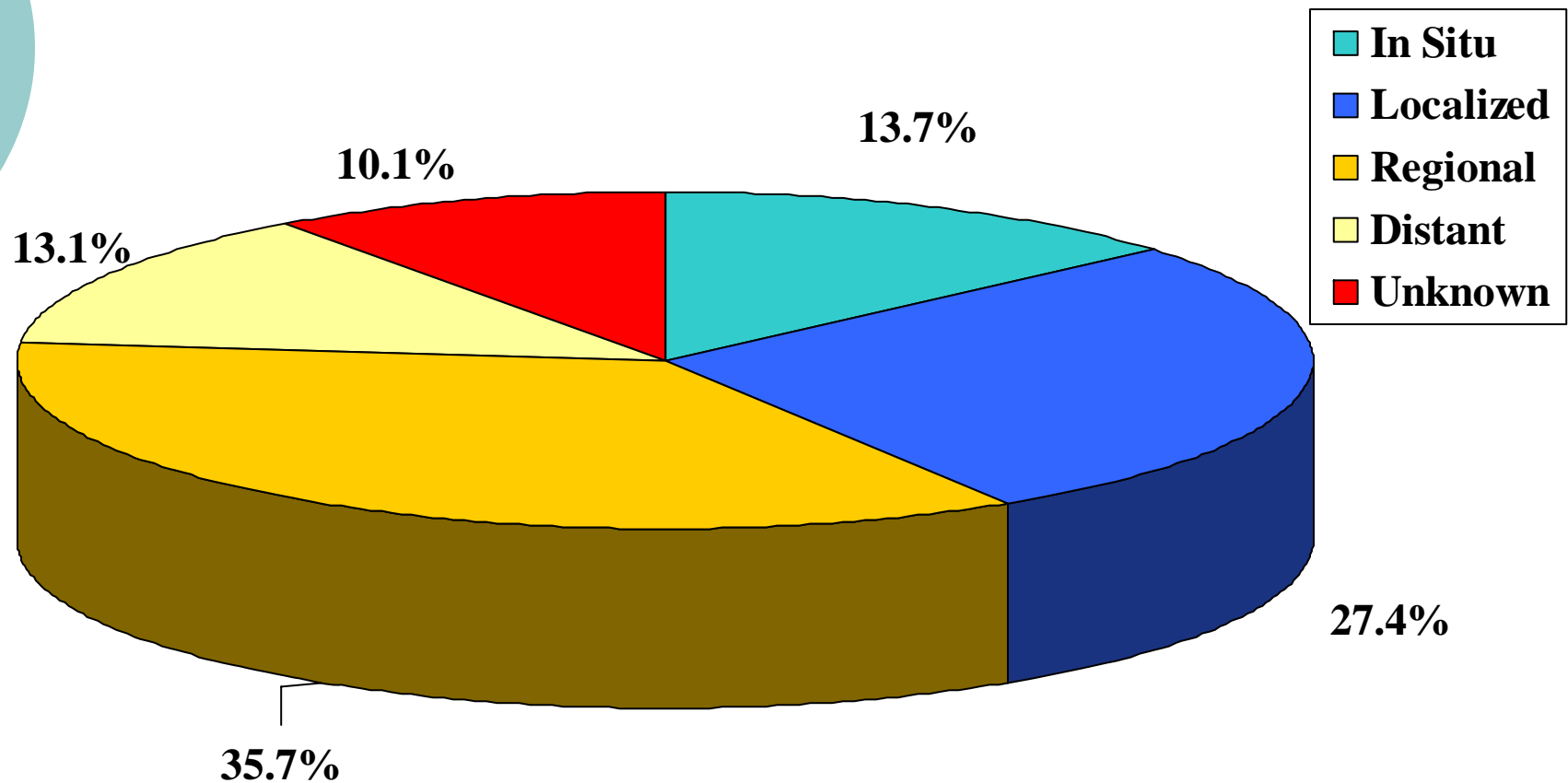
Percentage of colon cancer cases by stage at diagnosis, Hillsdale residents, 1996-2000

Source: MDCH Hospitalization records



Percentage of colon cancer cases by stage at diagnosis, Hillsdale residents, 1998-2002

Source: MDCH Hospitalization records

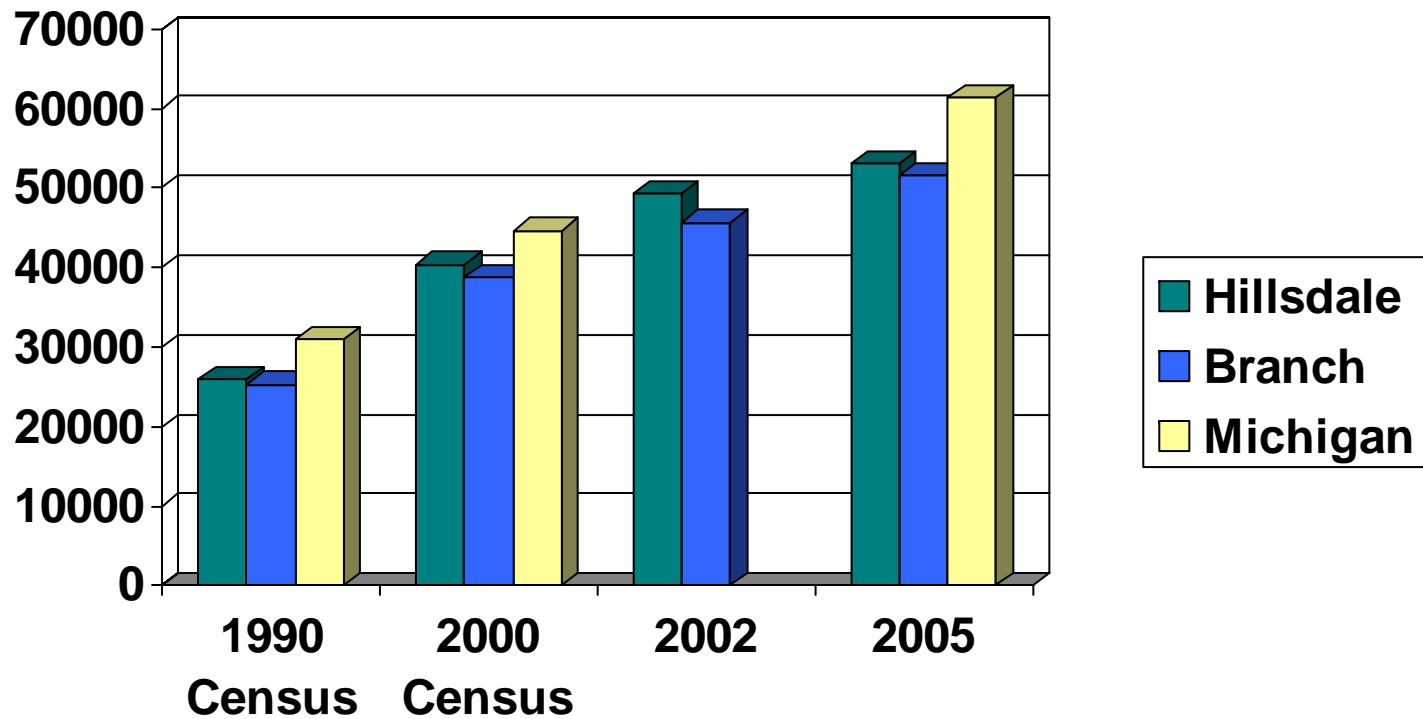


Economics 101



Median Family Income

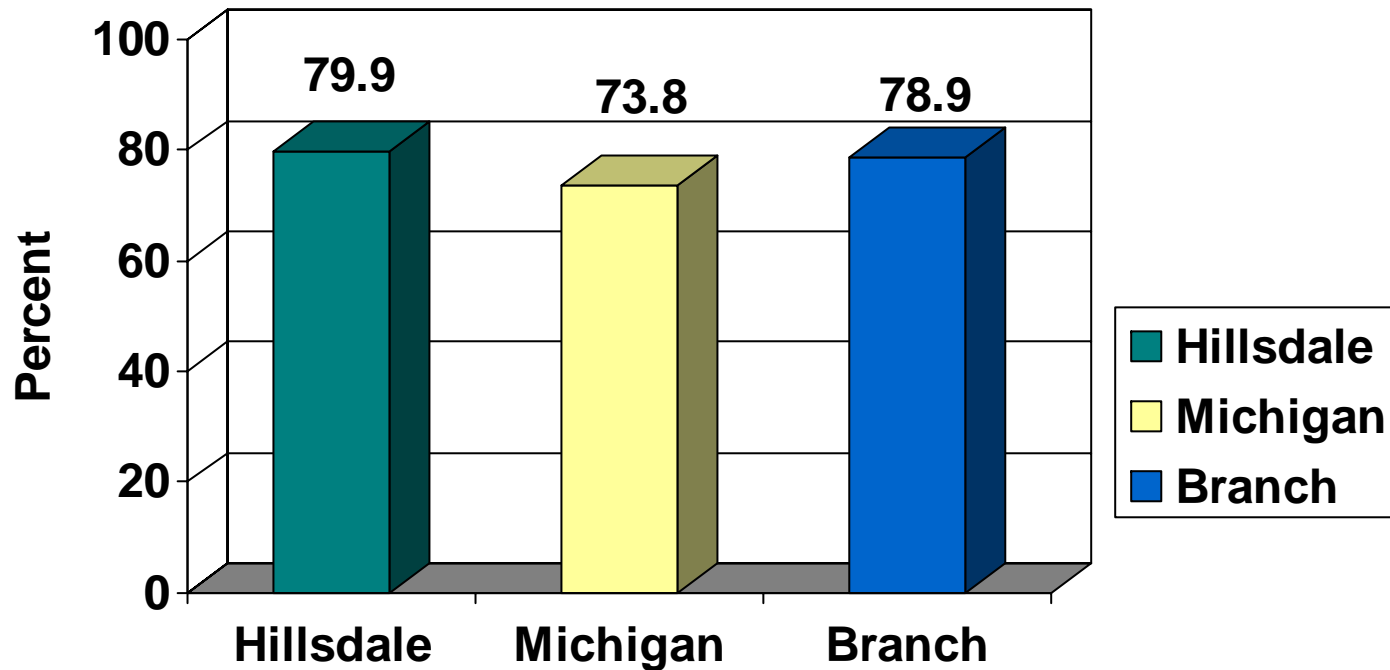
Source: US Census 1990/2000/2002/2005



Home Ownership Hillsdale, Branch and Michigan

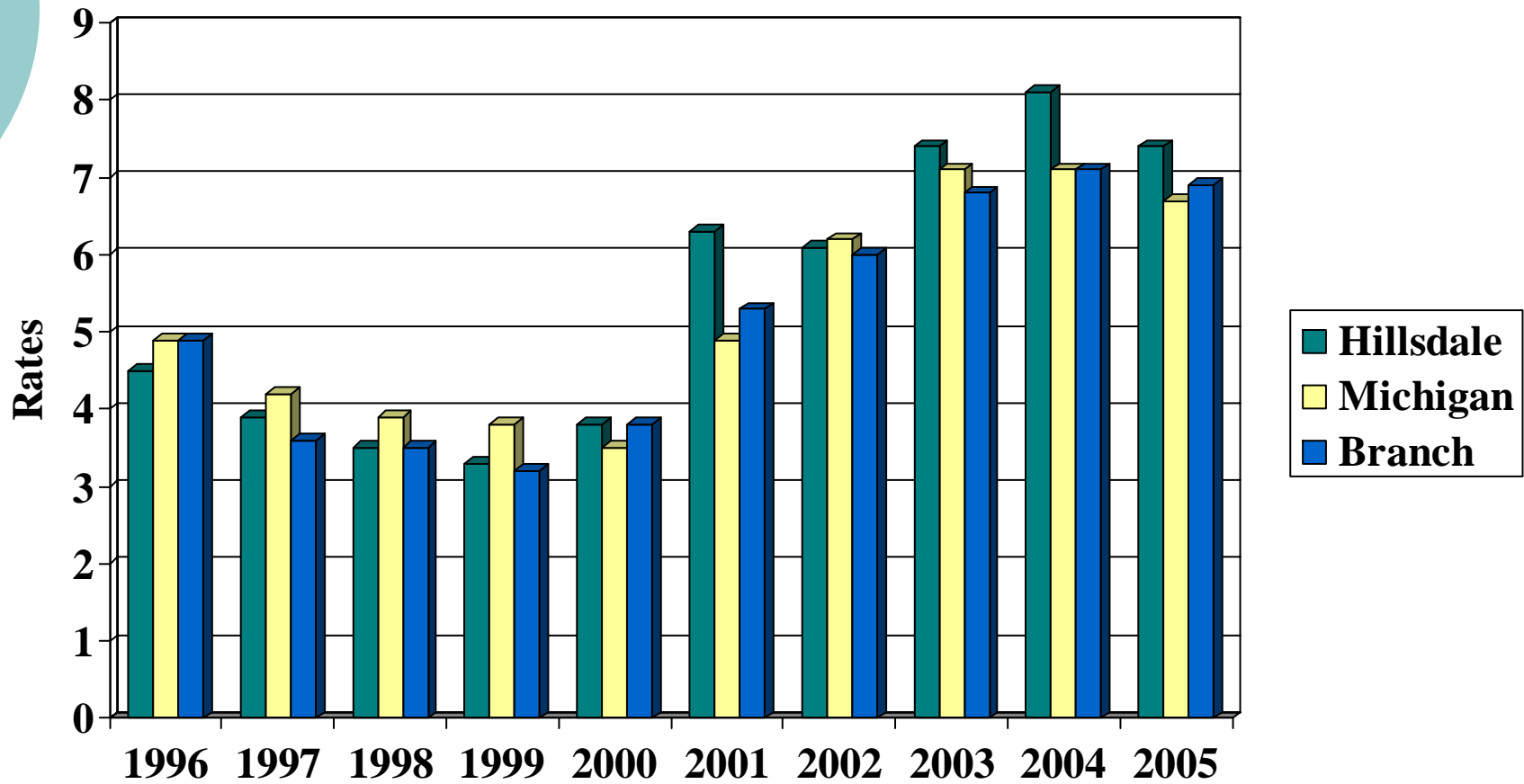
Source: FedStats.gov/ U.S. Census 2000

Formula: Owner occupied units / total occupied units



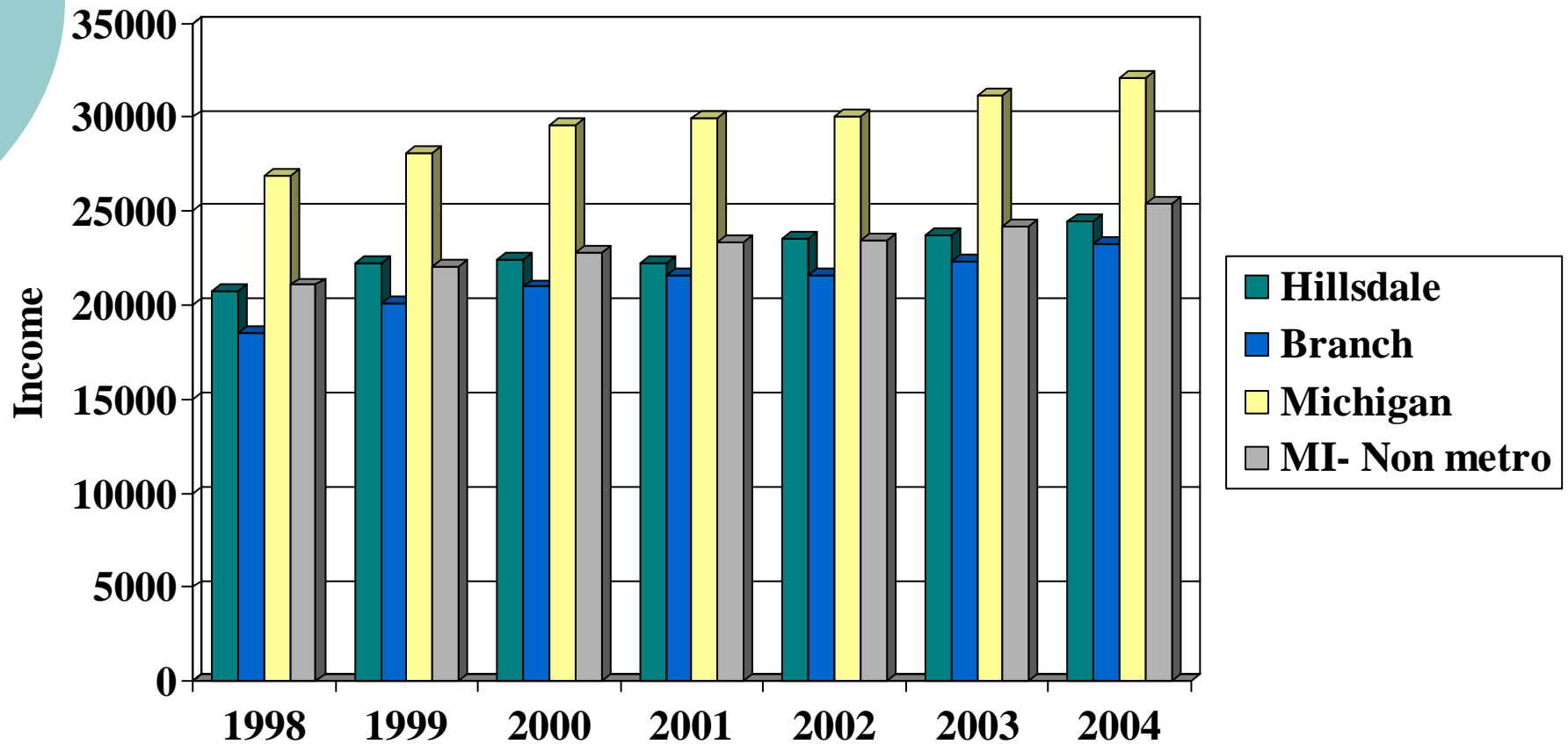
Average, non-seasonally adjusted unemployment rates, Hillsdale, Branch & Michigan

Source: U.S. Bureau of Labor Statistics



Per capita income estimates, Hillsdale, MI, & U.S., 1998-2004

Source: U.S. Dept. of Commerce, Bureau of Economic Analysis





Poverty estimates for Hillsdale, all ages

Source: U.S. Census

	<u>1990</u>	<u>2000</u>
Branch	14.1%	9.4%
Hillsdale	12.8 %	8.2%
Michigan	13.2%	10.5%



Conclusions - Adults

- 62% more HD moms smoke than MI Moms while pregnant
- HD unemployment has exceeded Branch County and MI for the past 3 years and is currently 7% higher than MI
- Arrests for DUI in HD exceed Branch County by 65% - crashes involving alcohol exceed Branch County by 28%
- Crimes rates involving fraud, sex offenses, narcotics, family & children and disorderly conduct far exceed Branch County and MI
- Heart Disease death rates exceed MI by 20%
- Crime Rates for rape in Hillsdale exceed the MI rate by 39%