



# HSN Report

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Adults  
August, 2003



# Statistical Fact

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The weather man is never wrong. Suppose he says that there's an 80% chance of rain. If it rains, the 80% chance came up; if it doesn't, the 20% chance came up! -

Saul Barron

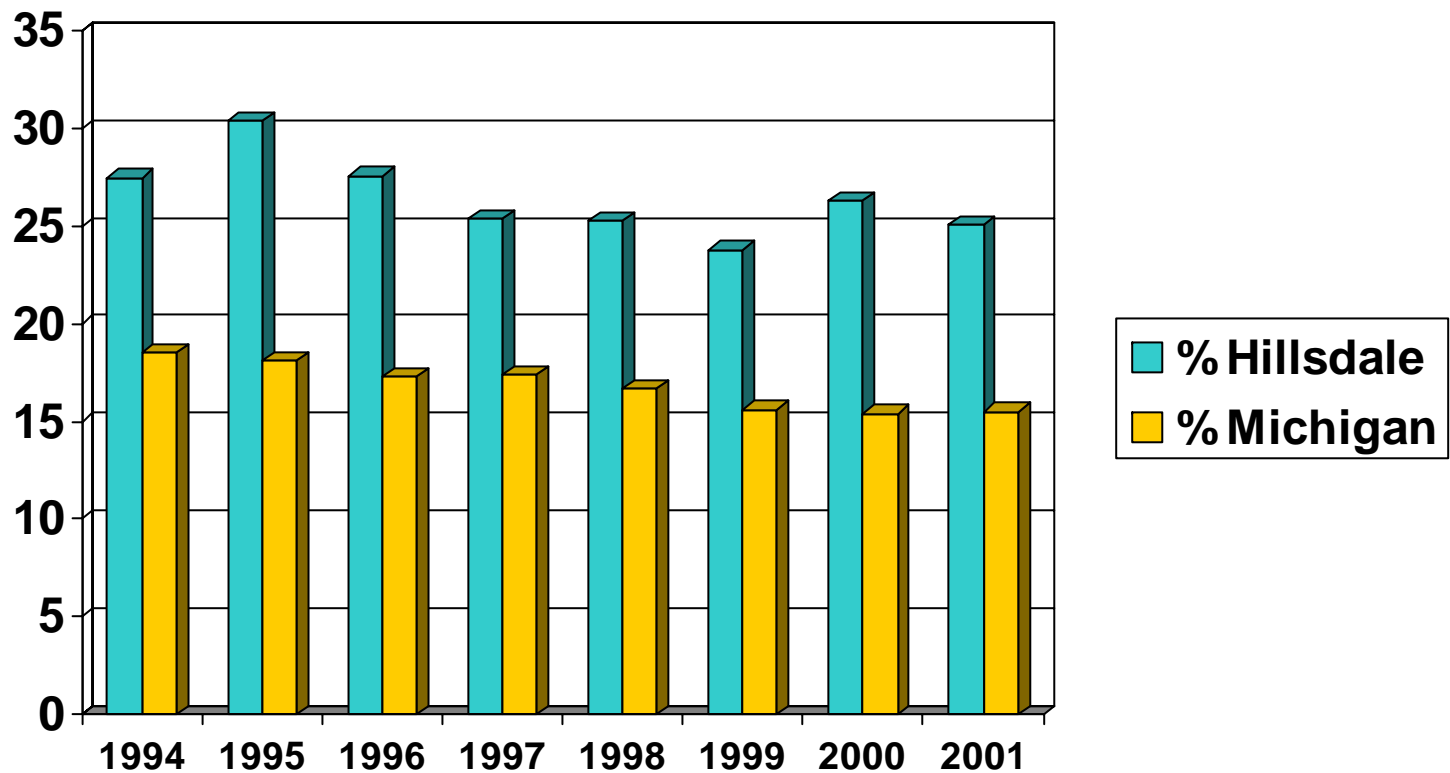
# Healthy habits ??

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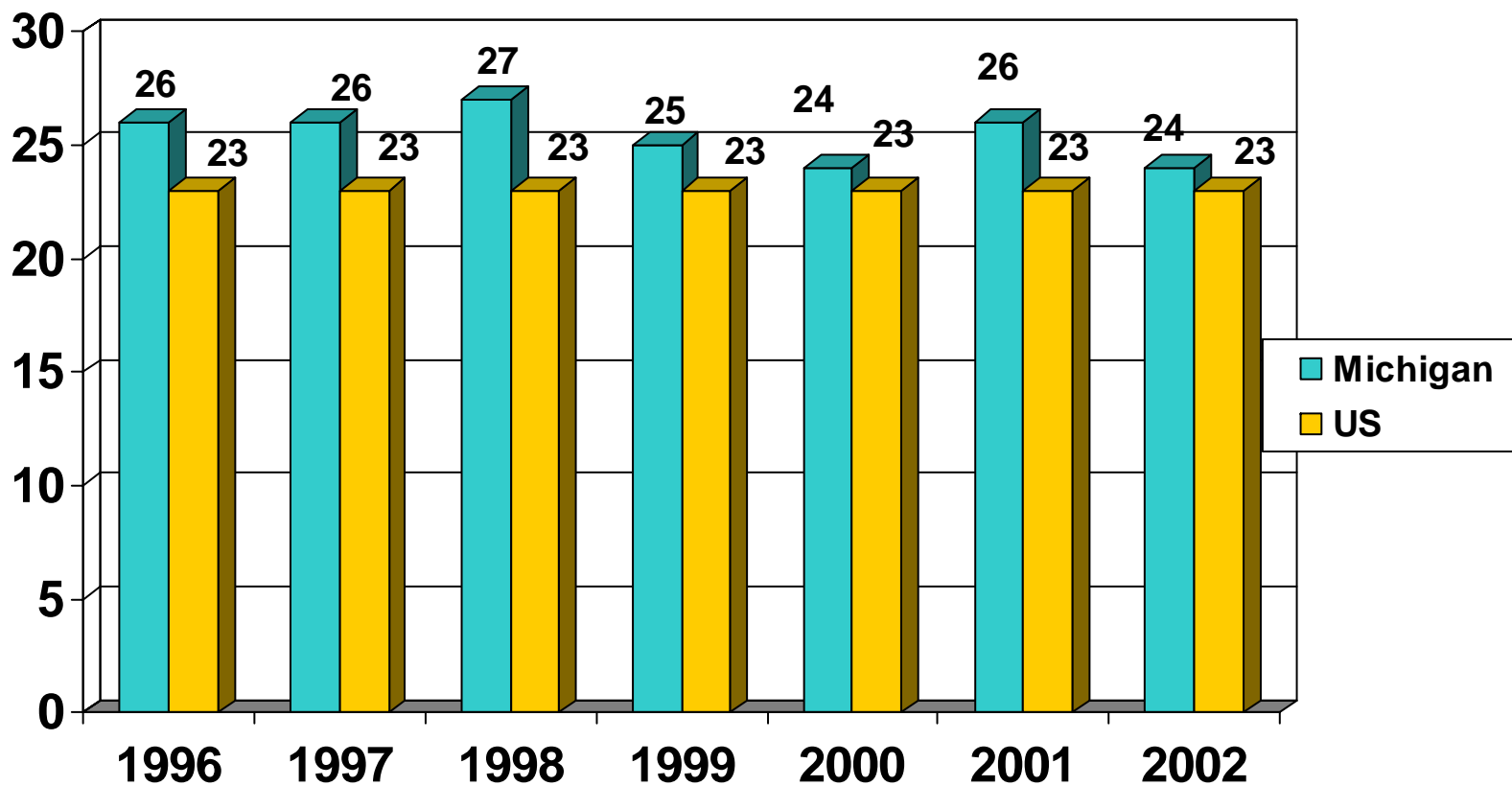
# Mothers who smoked during Pregnancy – Hillsdale County vs. Michigan, 1994-2001

Source: Michigan Birth files



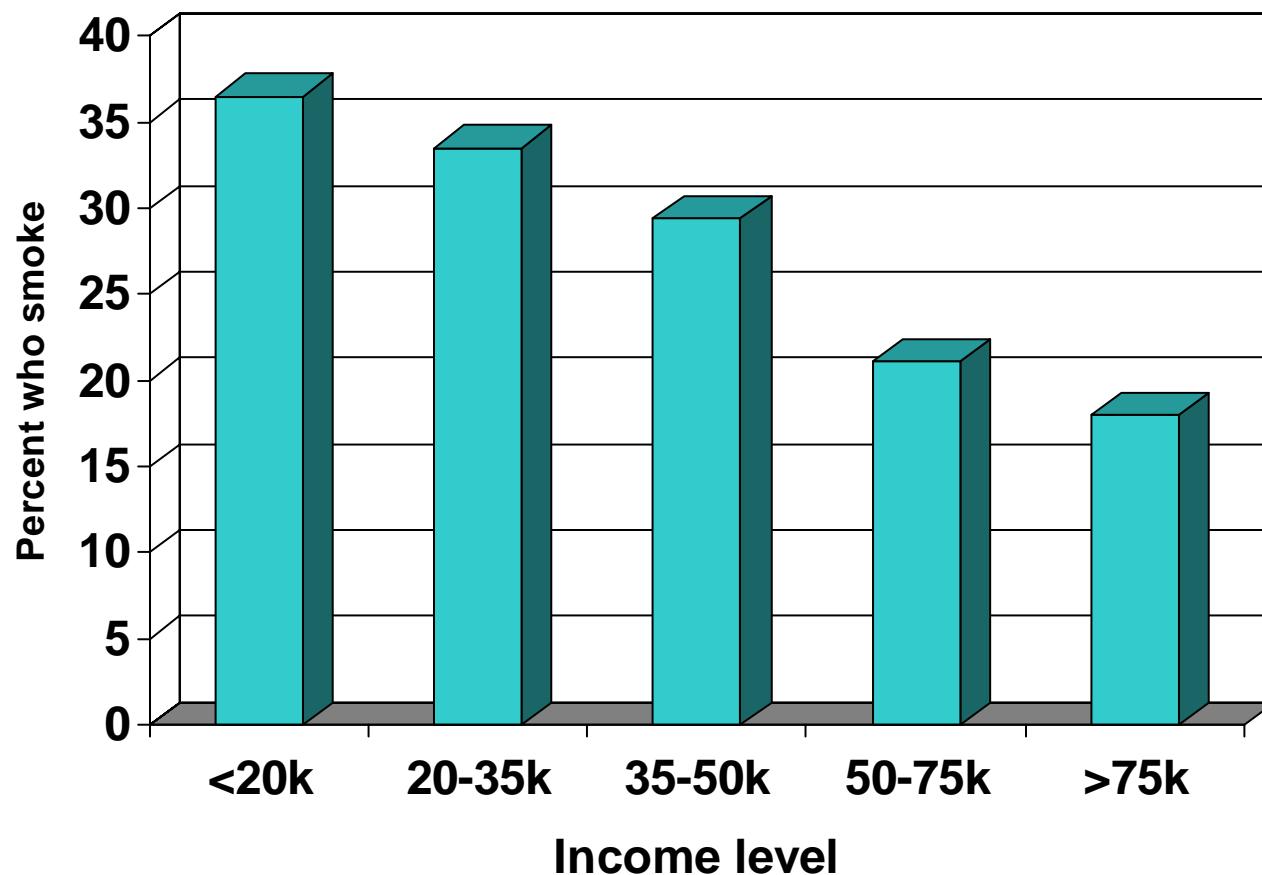
# Current smokers Michigan vs. US

Source: Behavioral Risk Factor Surveillance System 2002



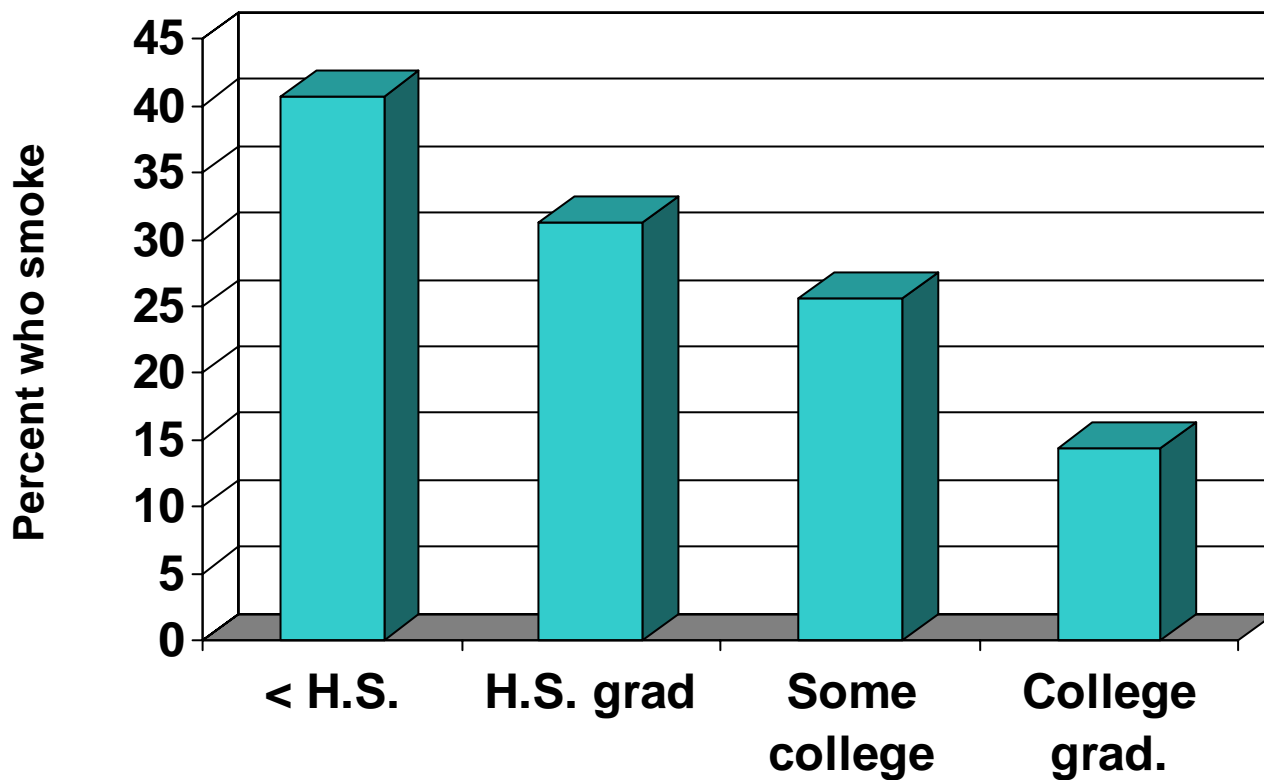
# Smoking vs. Income level- Michigan

Source: Behavioral Risk Factor Surveillance System 2002



# Smoking vs. Education level - Michigan

Source: Behavioral Risk Factor Surveillance System 2002

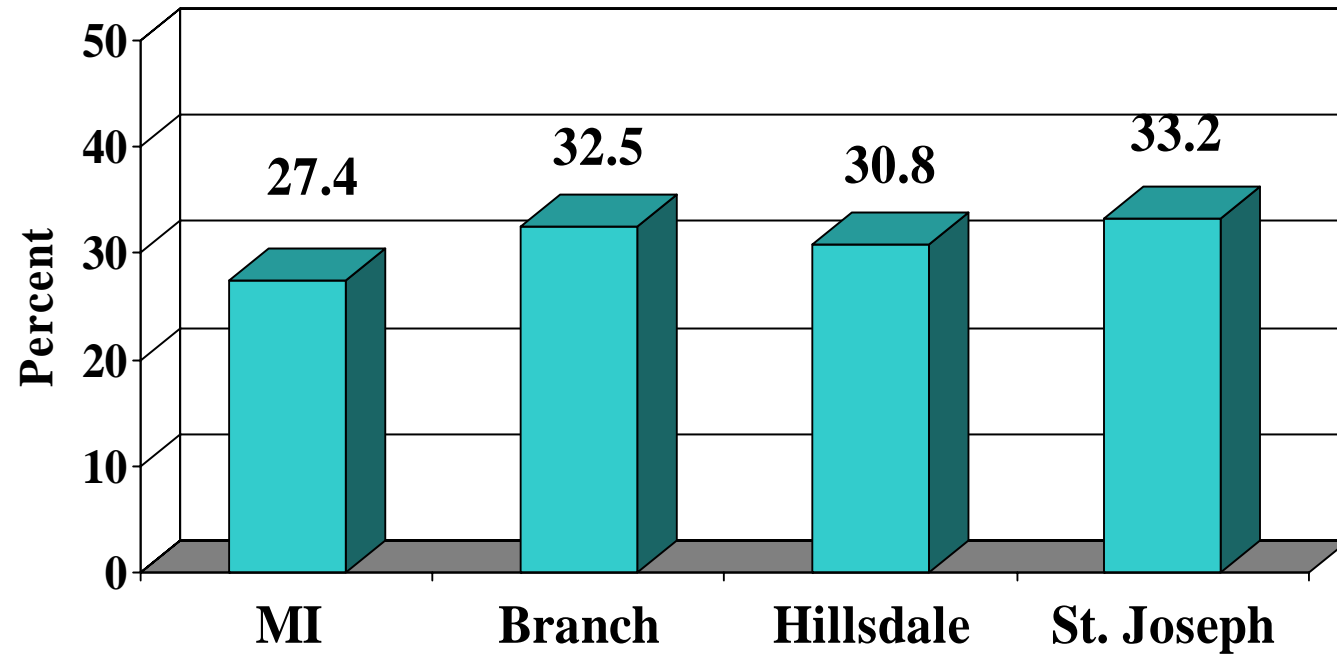


# Branch/Hillsdale/St. Joseph

## How do we compare?

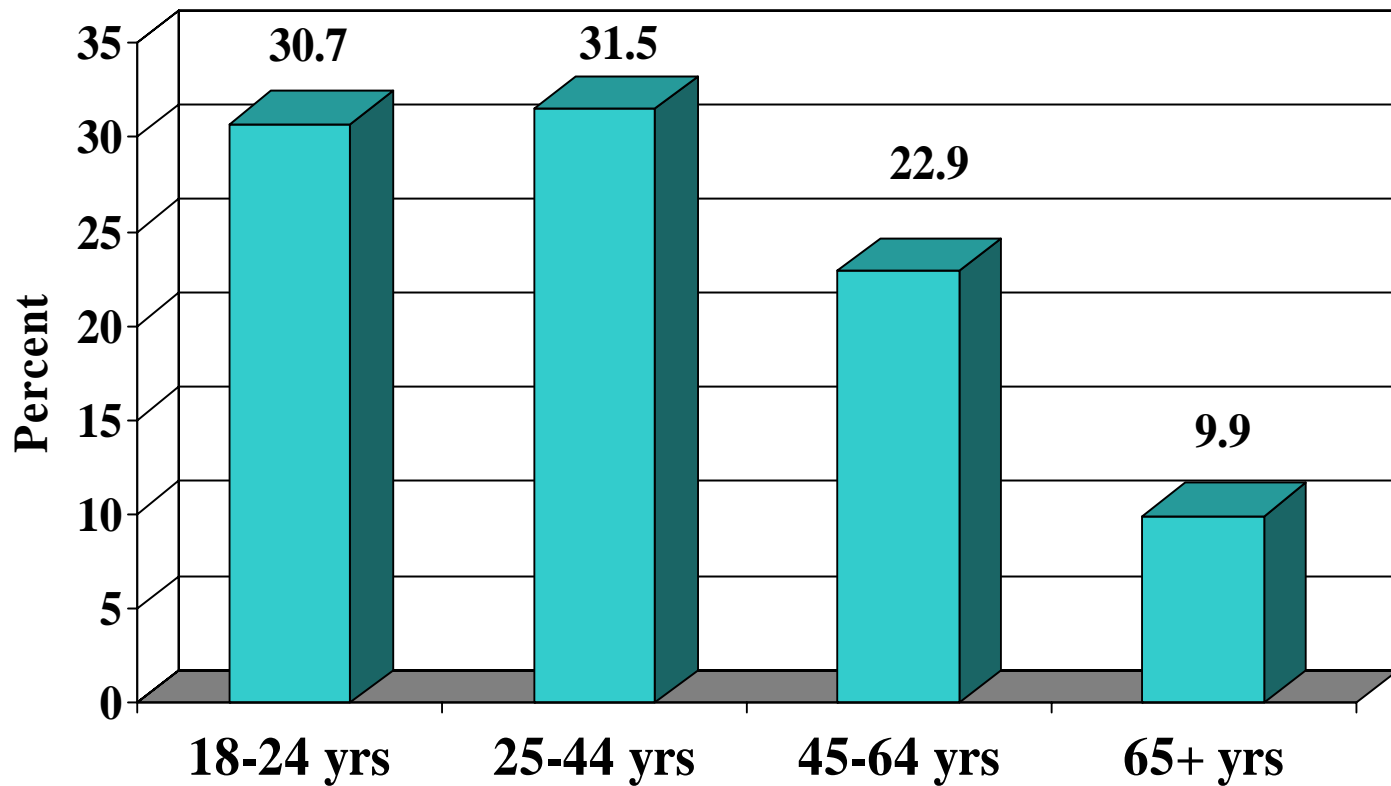
Source: Behavioral Risk Factor Study 1998

**% Current smokers/MI and by County**



# Smoking trend by age group

Source:Centers for Disease Control fact sheet for Michigan 2001-  
Tobacco use



# Pop Quiz

*Wow, I would have studied but ...*

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- For those of you saying, “With all we know, why don’t they just quit?!”
- **Question :**  
Of those persons who quit smoking in the past year ... How many were able to maintain abstinence from smoking from 3 to 12 months ??
- A. 1/7      B. 1/4      C. 1/20      D. 1/10  
E. 0 – there all still outside puffin’



# Pop Quiz answer

(Grade your own papers please)

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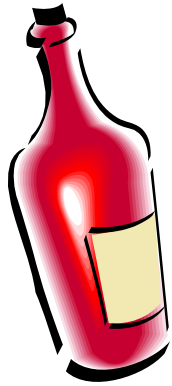
○ **Answer:**

**1 out of 20**

**source: Morbidity and Mortality Weekly  
Review - July 26, 2002**

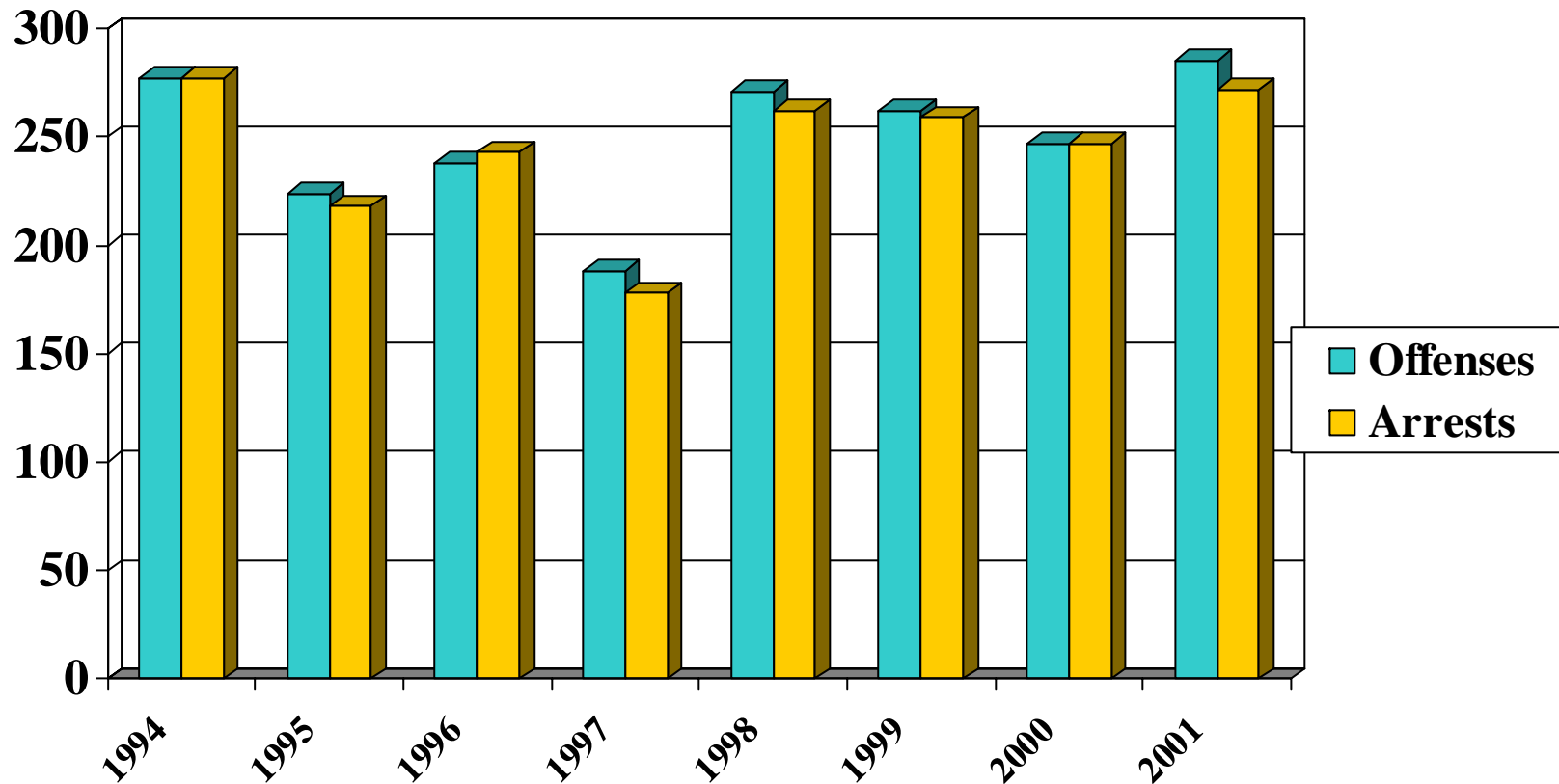
# Alcohol and Drugs

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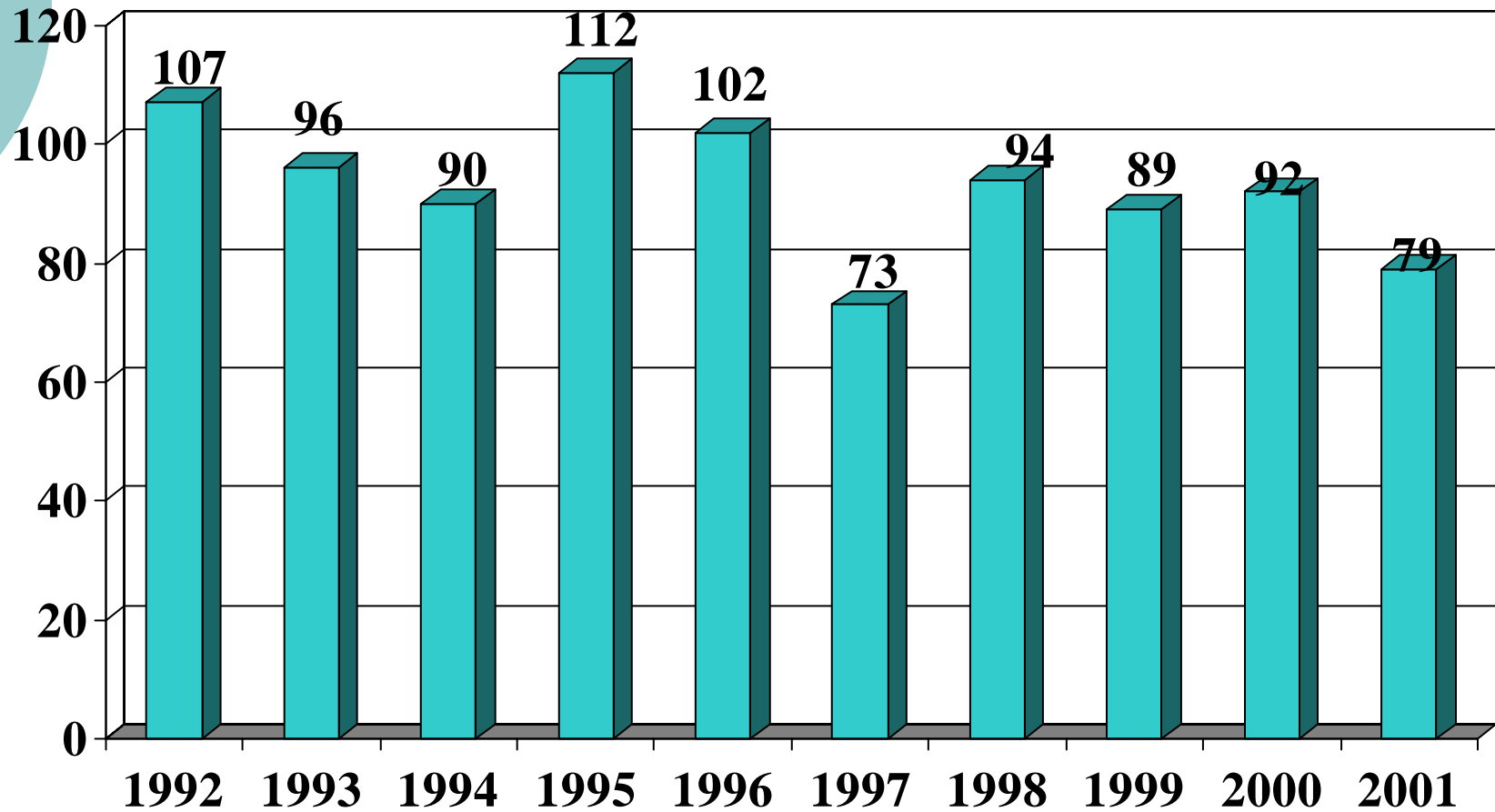
# Offenses and arrests for DUI, Hillsdale County 1990-2001

Source: MSP Uniform Crime Report



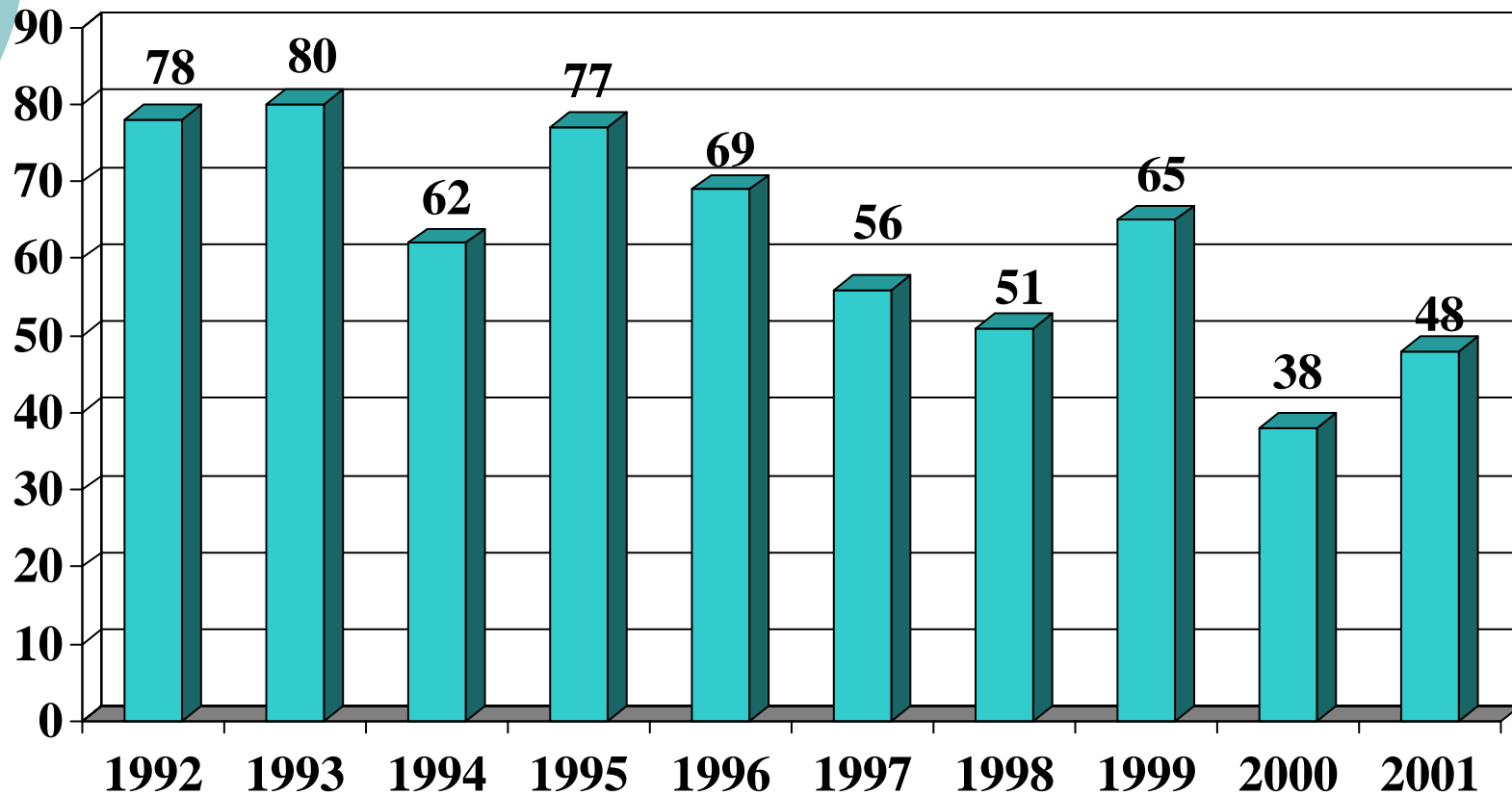
# Motor vehicle accidents involving driving when impaired, Hillsdale County

Source: Michigan Traffic Crash Facts



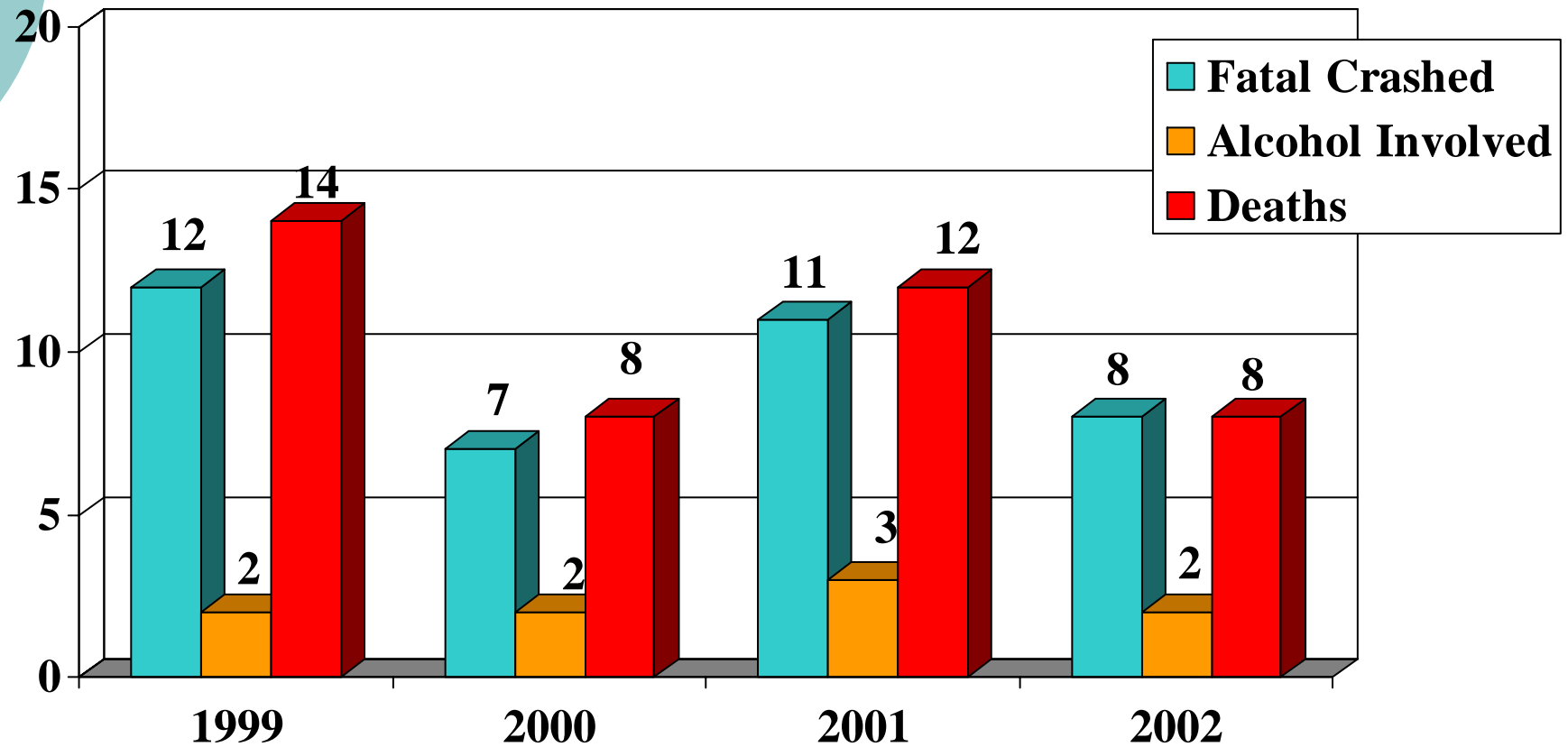
# Number injured in motor vehicle accidents involving driving when impaired, Hillsdale County 1992-2001

Source: Michigan Traffic Crash Facts



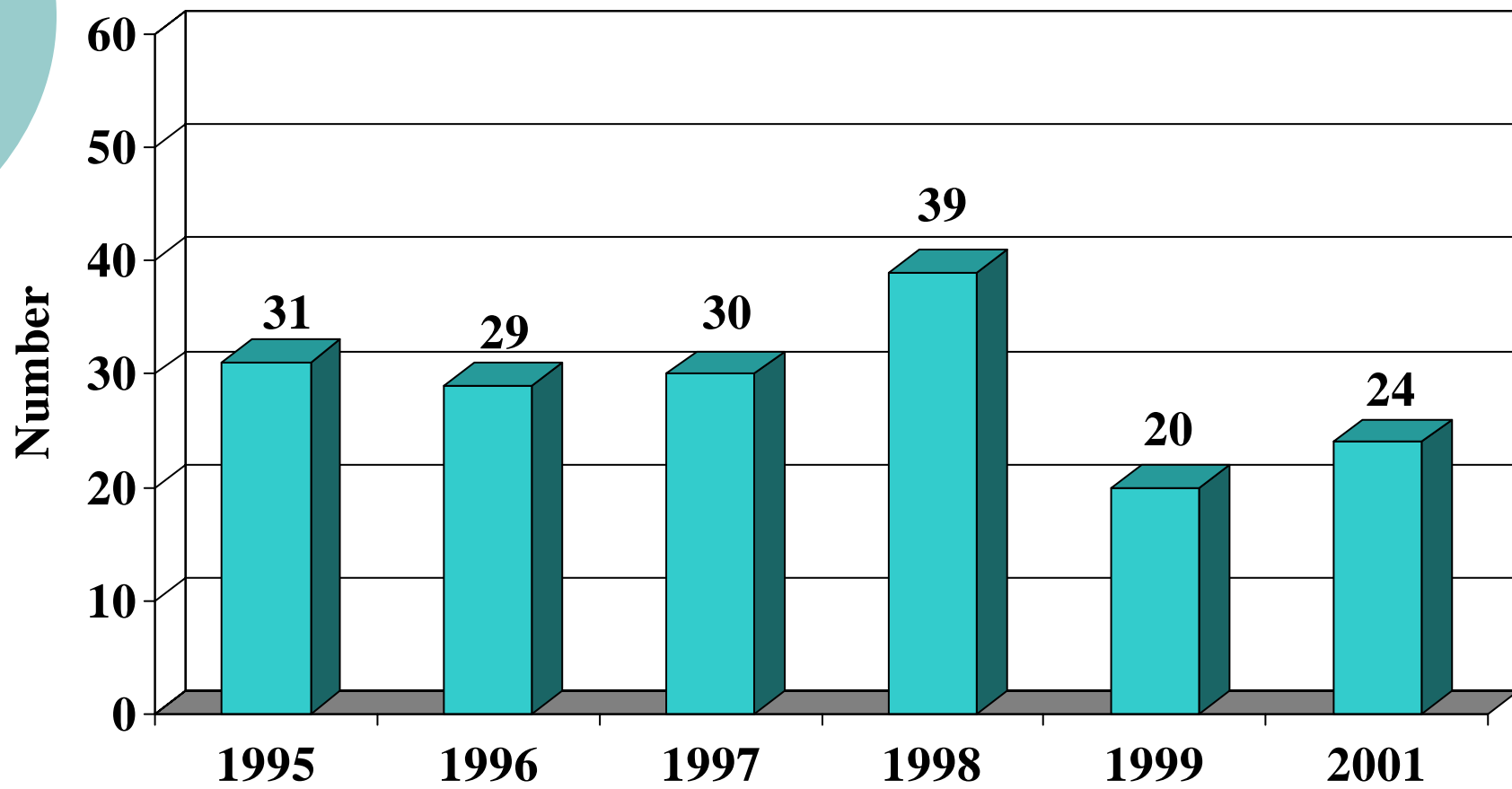
# Number killed in motor vehicle accidents with alcohol involved - Hillsdale County 1999-2002

Source: Michigan State Police Traffic Crash Facts



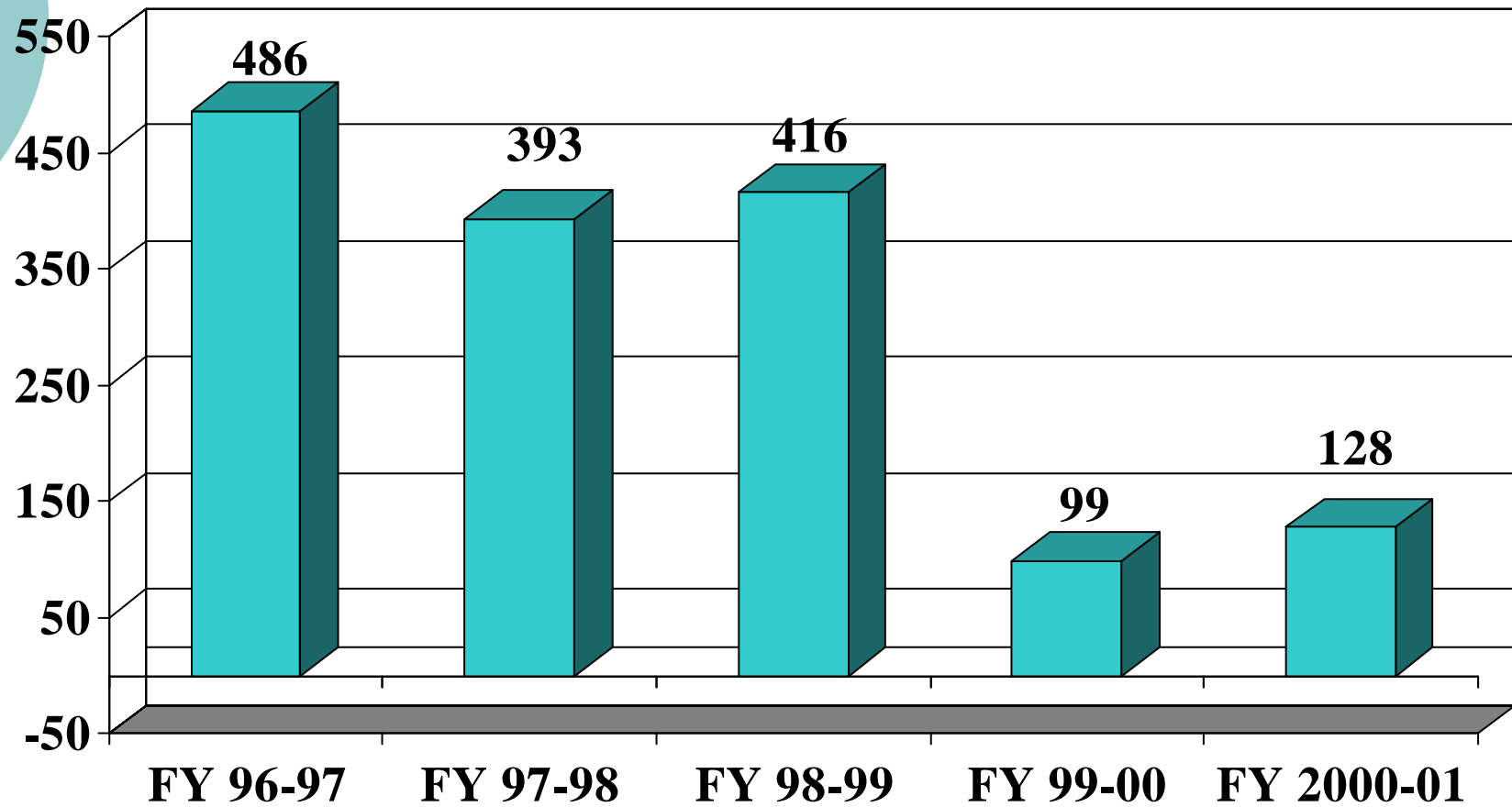
# Hospitalizations for alcohol dependency, Hillsdale County residents ages 15+, 1995- 99, 18+ for 2001

Source: MDCH Hospitalization Database



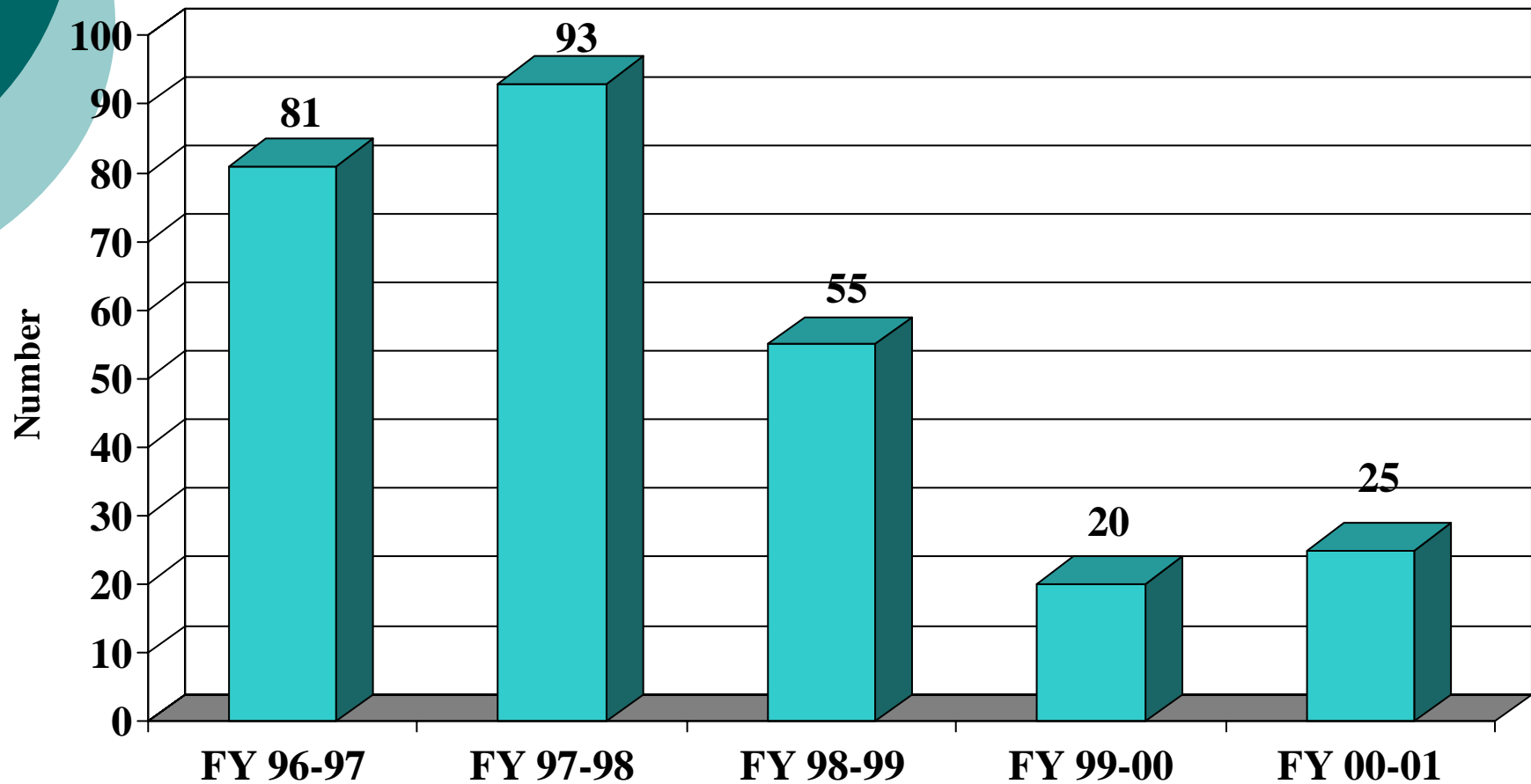
# Number of Hillsdale residents admitted for alcohol treatment, Mid-South Substance Abuse 1996-2001

Source: Mid-South Substance Abuse Commission



# Number of Hillsdale County residents admitted to treatment, Mid-South Substance Abuse Commission for marijuana treatment

Source: Mid-South Substance Abuse Commission



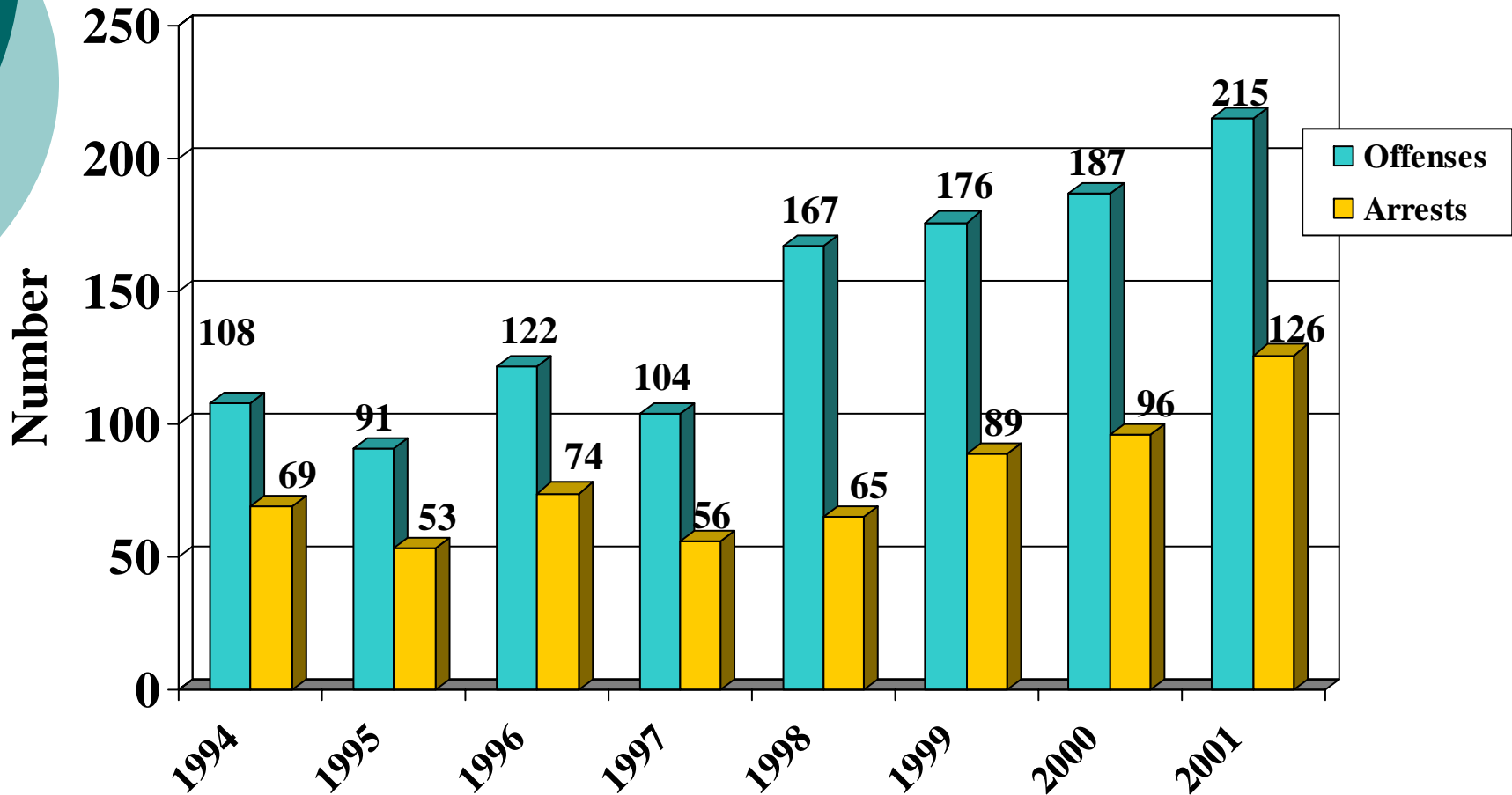
# Crime

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# Offenses and arrests due to narcotic law violations, Hillsdale County, 1990 to 2001

Source: MSP Uniform Crime Report



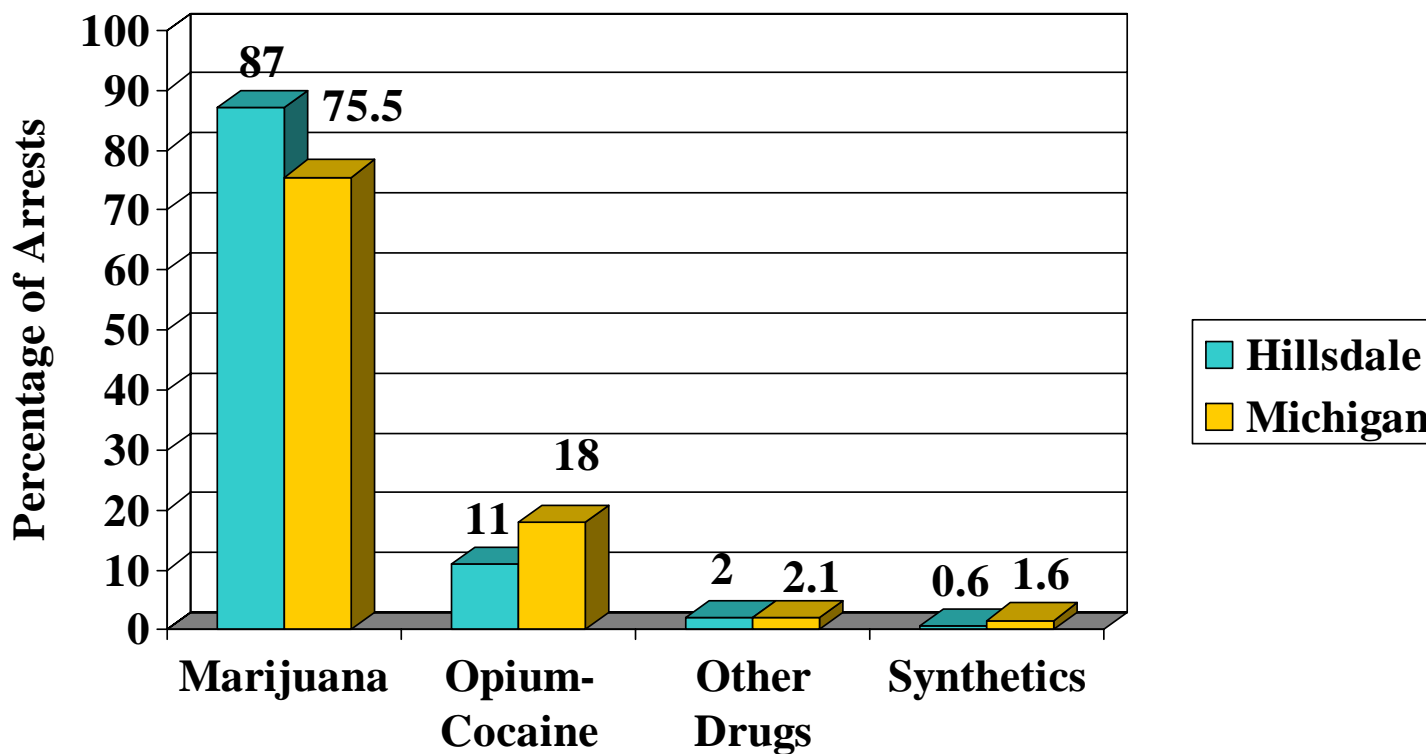
# Narcotic offense rate per 100,000, Hillsdale County & MI, 2000-2001

Source: MSP Uniform Crime Reports



# 2001 Narcotic arrests by type of drug Hillsdale County and Michigan

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



# Non-Index crimes, 5-Year Hillsdale totals & average arrest rates per 100,000 for Hillsdale County & MI, 1997-2001

Source: Michigan State Police Uniform Crime Reports

Crime	Offenses	Arrests	HD Rate	MI Rate
Neg.Manslaughter	2	2	.9	.9
Non-aggr. Assault	3150	1188	1351.5	1202.5
Forgery	92	16	39.5	66.9
Fraud	1170	283	501.9	331.6
Embezzlement	93	30	39.9	50.2
Stolen Property	68	22	29.2	65.1
Vandalism	2674	194	1147.7	1125.0
Weapons	51	47	21.9	53.0
Sex Offenses	286	82	122.7	92.4
Narcotic Laws	849	432	364.2	392.9
Family&Children	467	268	200.4	102.2
DUI	1253	1218	537.5	541.8
Liquor Laws	542	519	232.4	225.1
Disorderly	2306	201	989.1	633.8



## Index Crimes, 5-Year Hillsdale totals and average arrest rates per 100,000 for Hillsdale County & MI, 1997-2001

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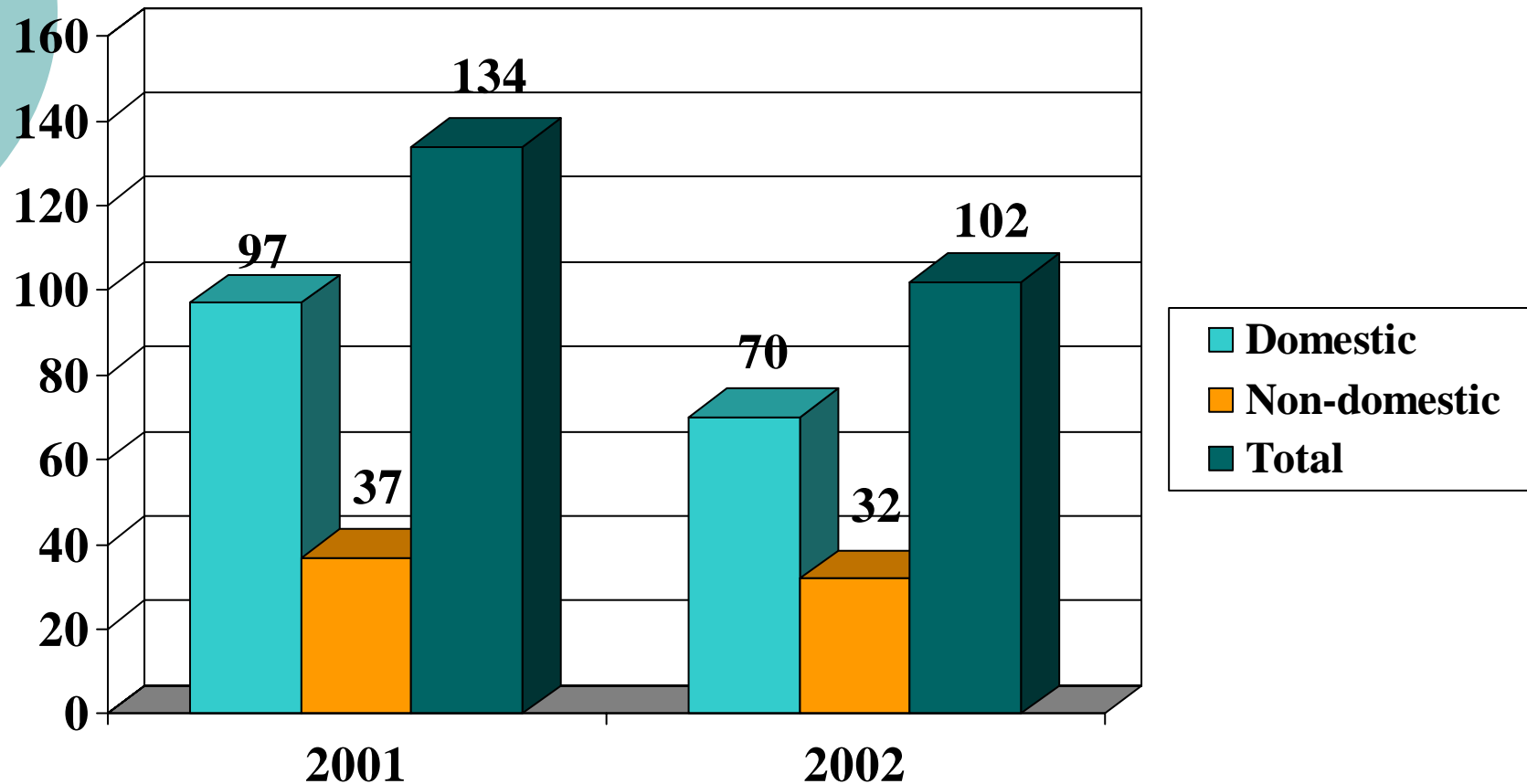
Source: Michigan State Police Uniform Crime Reports

<b>Crime</b>	<b>Offenses</b>	<b>Arrests</b>	<b>HD Rate</b>	<b>MI Rate</b>
Murder	7	4	3.0	7.0
Rape	158	36	67.8	50.2
Robbery	18	13	7.7	180.4
Aggr. Assault	380	201	163.0	314.4
Burglary	1129	271	484.4	649.1
Larceny	3691	461	1584.1	2002.8
MV Theft	234	99	100.4	957.5
Arson	59	23	25.3	153.8
Total	5676	1108	2435.9	4315.3

# Personal protection petitions filed, 2001-2002

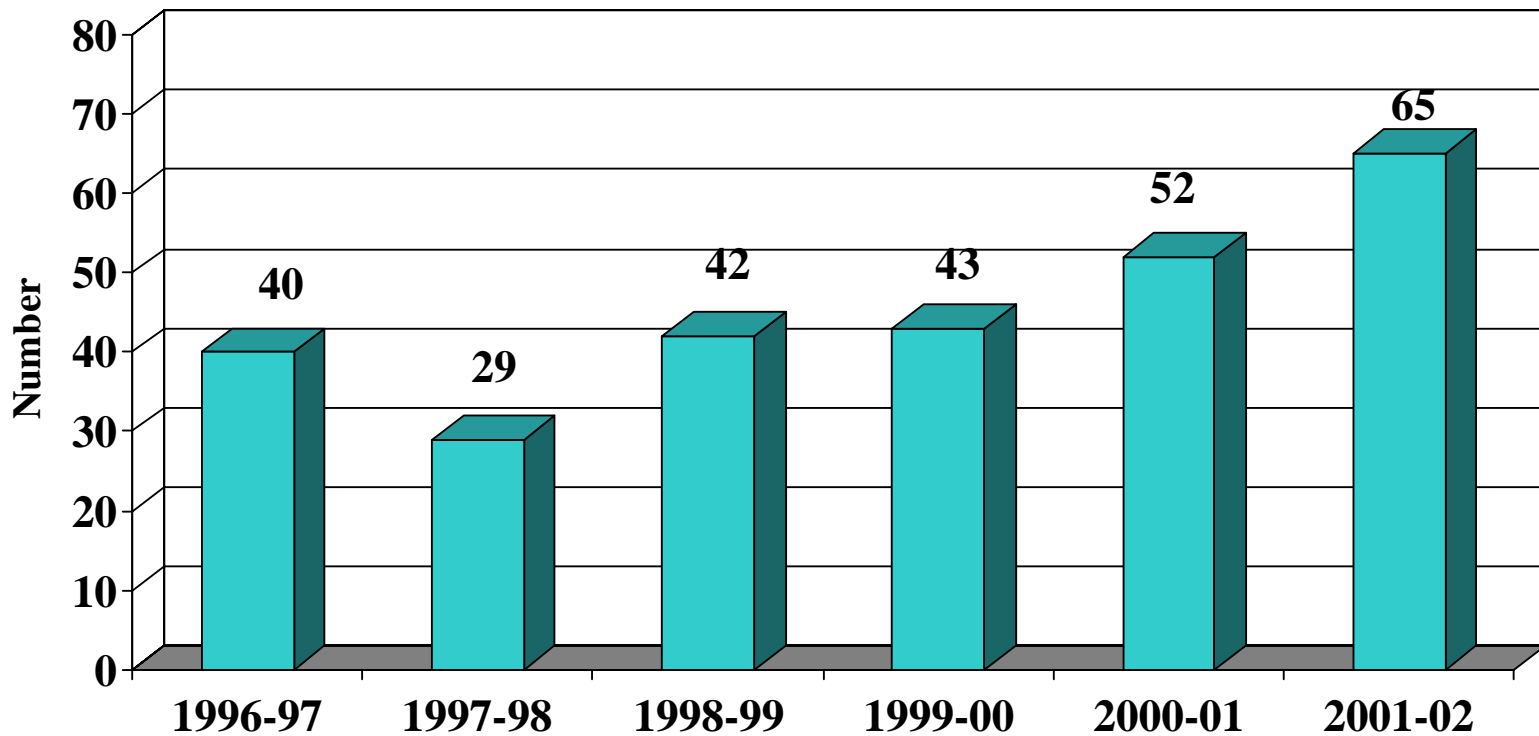
Due to data collection disparities, data represents about ½  
of actual cases

Source: Hillsdale Co. Prosecuting Attorney



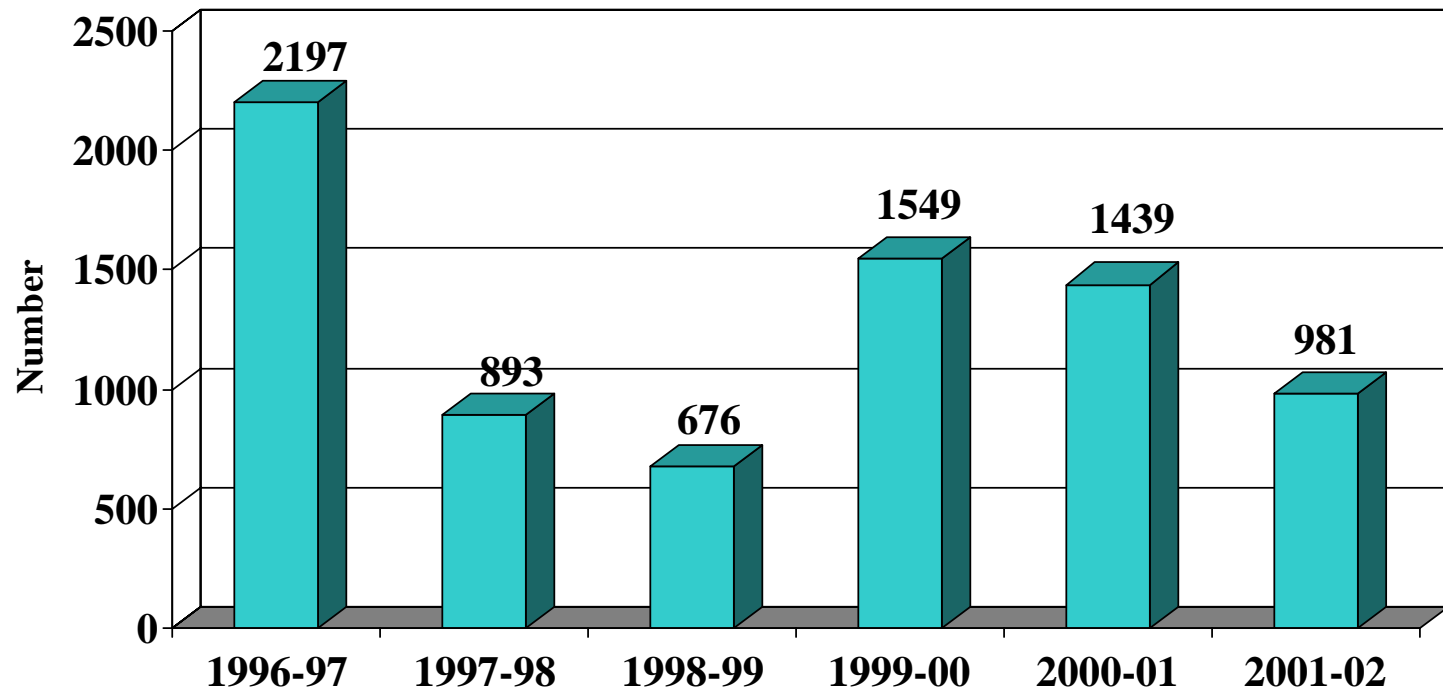
# Number of adults in Hillsdale seeking shelter for domestic violence 1996-2002

Source: Domestic Harmony



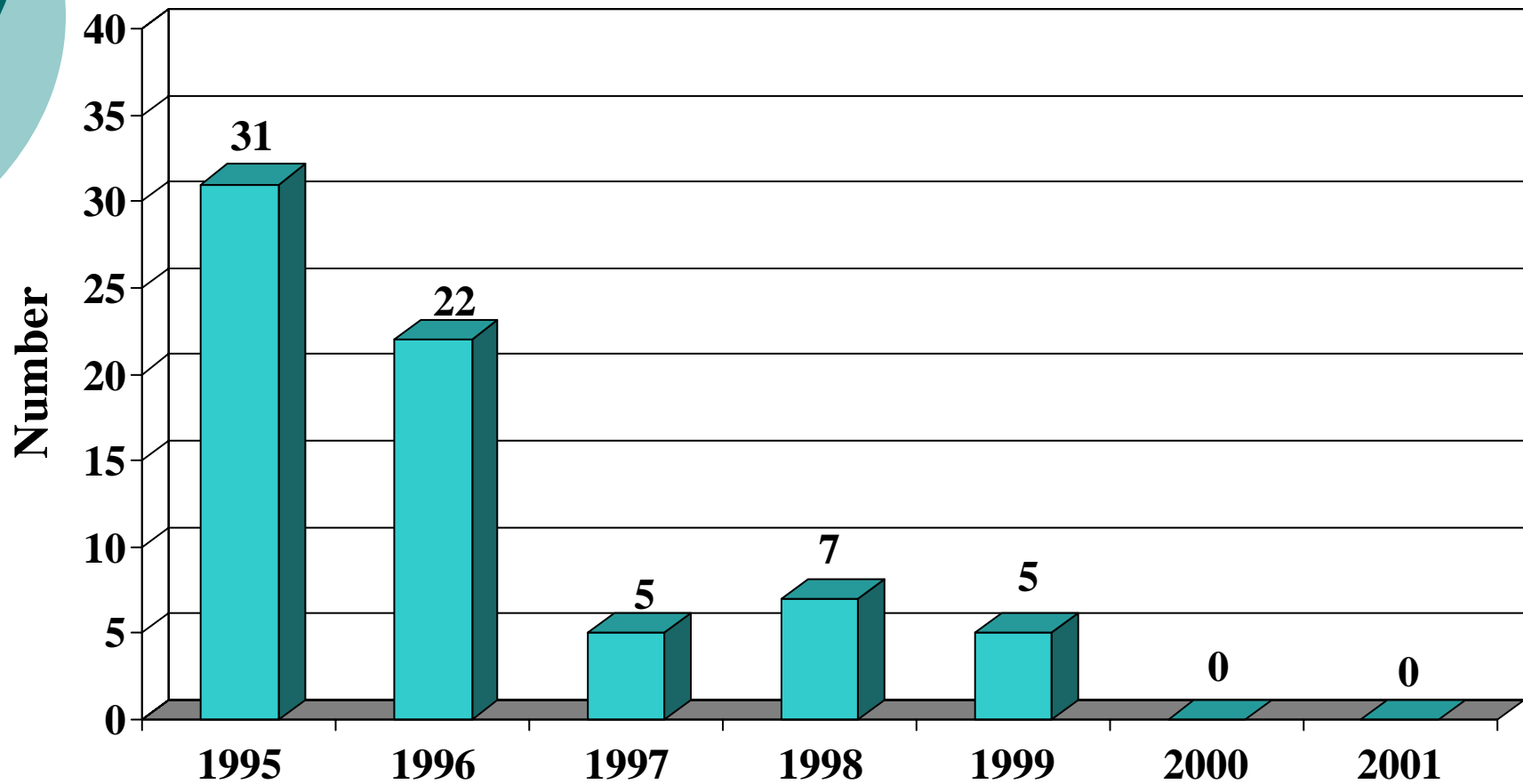
# Number of adult resident nights provided by Domestic Violence Shelter 1996-2002

Source: Domestic Harmony



# Hospitalizations for poisoning by drugs and biological substances, Hillsdale residents, ages 15 or older, 1995-99, 2000-01 age 18+

Source: MDCH Hospitalization records



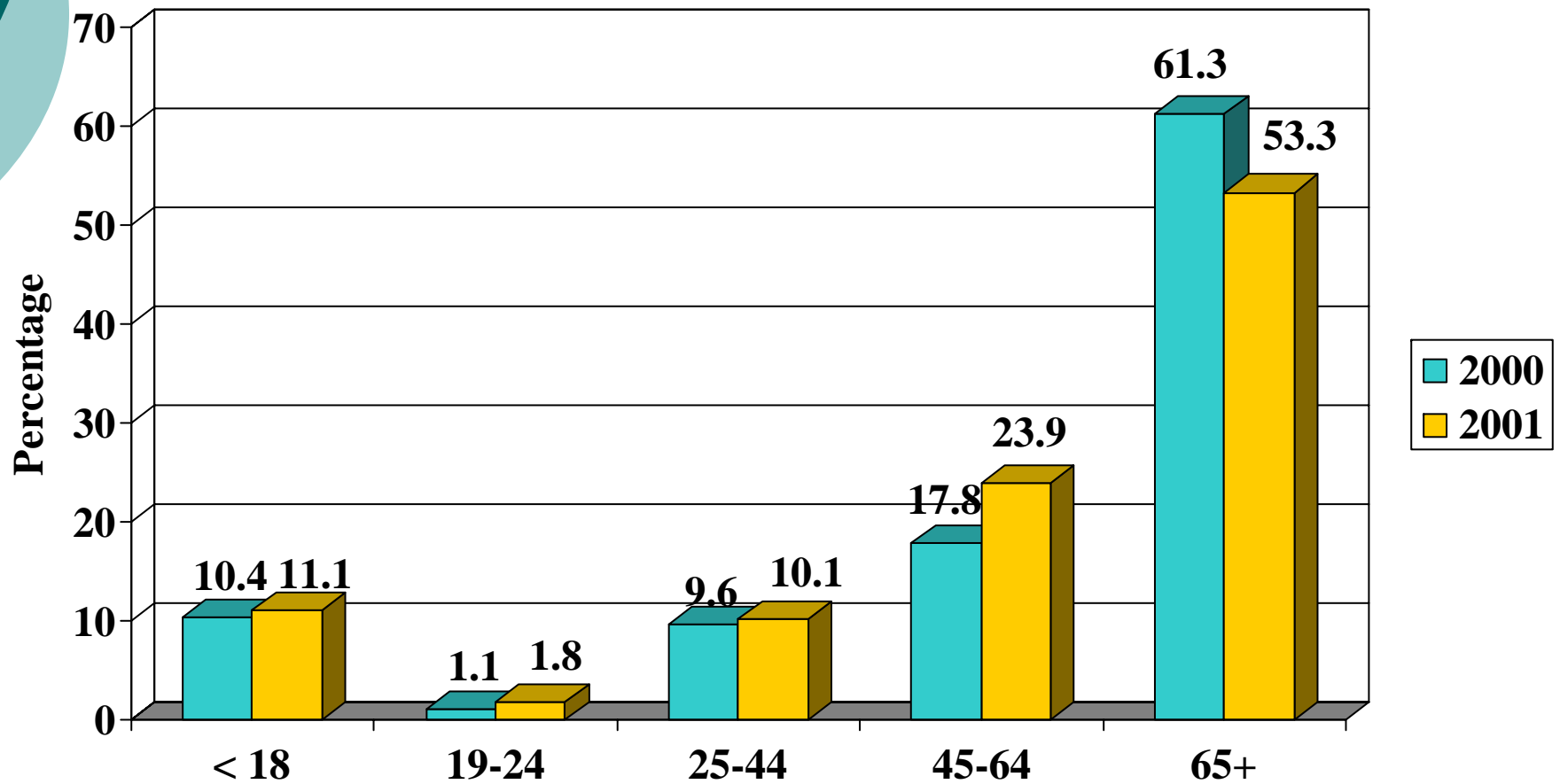
# Hospitalization and Mortality

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# Percentage of preventable hospitalizations by age group Hillsdale County 2000 vs. 2001

Source: MDCH Hospitalization files





# Number and rank of preventable hospitalizations by type, all ages Hillsdale County and Michigan, 2001

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Source: Michigan Resident Inpatient Files

	Hillsdale Rank	MI Rank
○ Preventable Hospitalization		
● Pneumonia	1	2
● Congestive heart failure	2	1
● COPD	3	3
● <b>Angina</b>	<b>4</b>	<b>10</b>
● Kidney/Urinary	5	5
● Dehydration	6	6
● Asthma	7	4
● Diabetes	8	7
● Cellulitis	9	8
● Gastroenteritis	10	11



## Leading causes of death and crude rates per 100,000, Hillsdale & Michigan, 2001

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Source: 2001 Resident Death File

Cause	Number	HD Rate	MI Rate
Heart Disease	128	272	271
Cancer	98	208	199
Stroke	38	80	57
Unintentional Injuries	29	62	33
Chronic Lower Respiratory	26	55	42
Diabetes	20	43	27
Alzheimer's	3	*	18
Pneumonia or Influenza	8	17	21
Kidney Disease	6	13	16







# Cancer terminology - Stage definitions

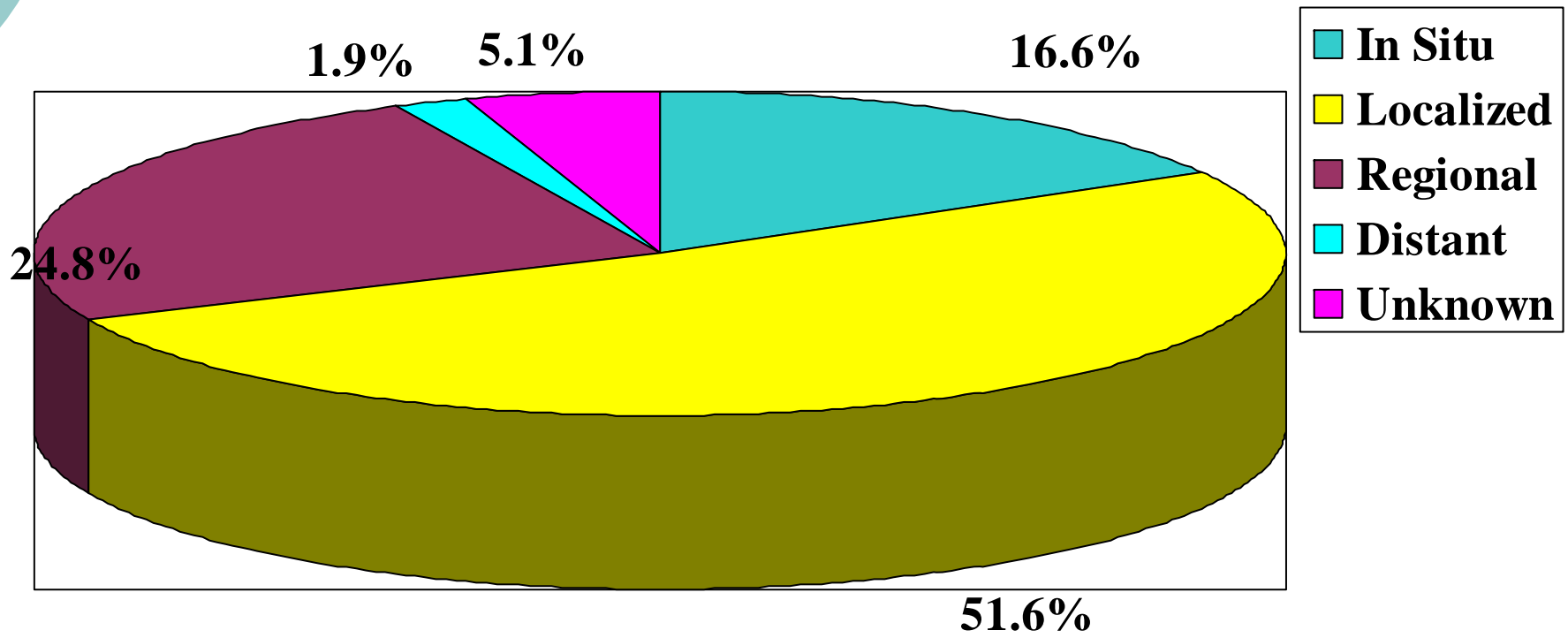
(stuff you would rather not have to hear)

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- *In Situ* – Presence of malignant cells within the cell group from which they arose.
- *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

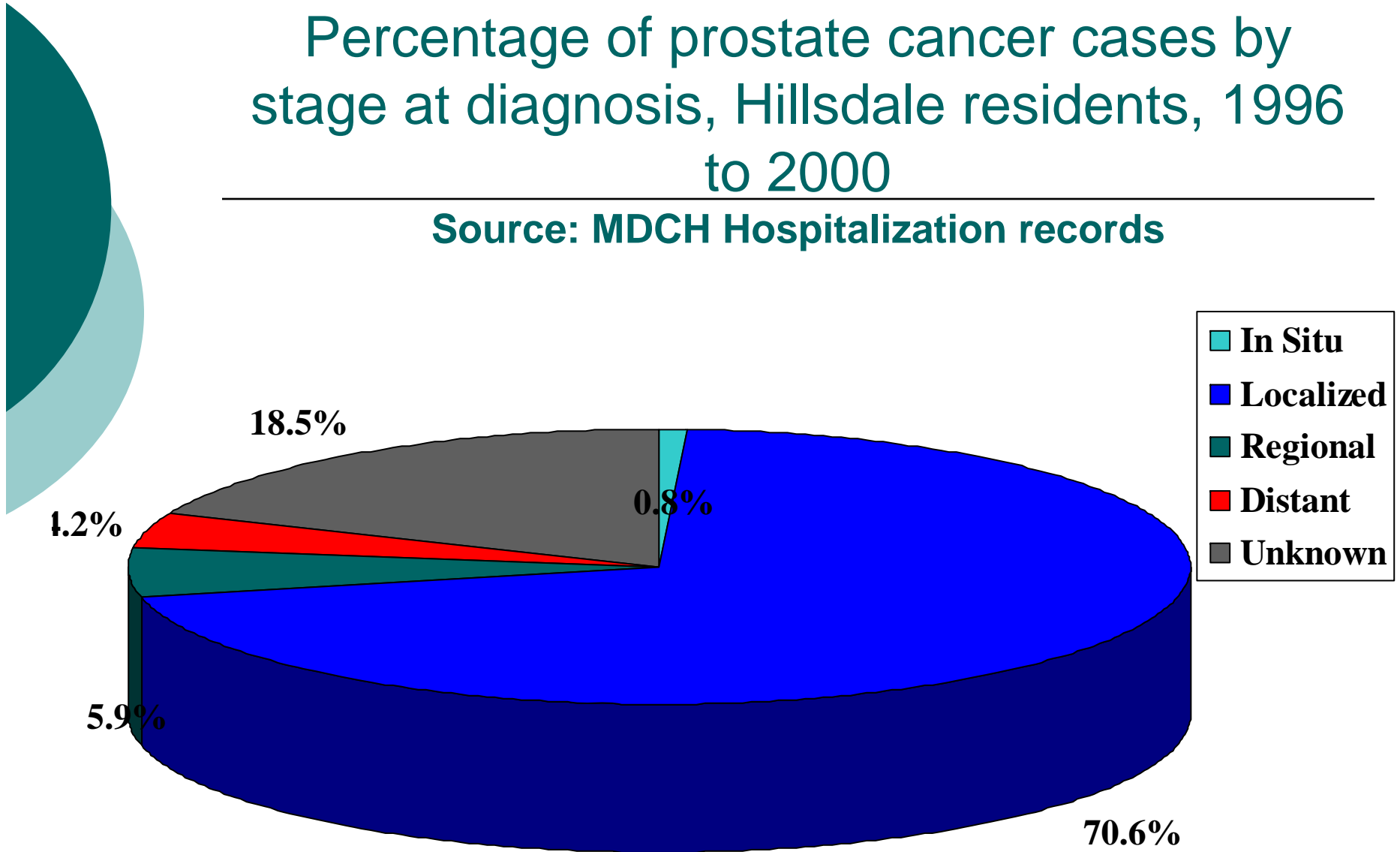
# Percentage of breast cancer cases by stage at diagnosis, Hillsdale Residents, 1996-2000

Source: MDCH Hospitalization records



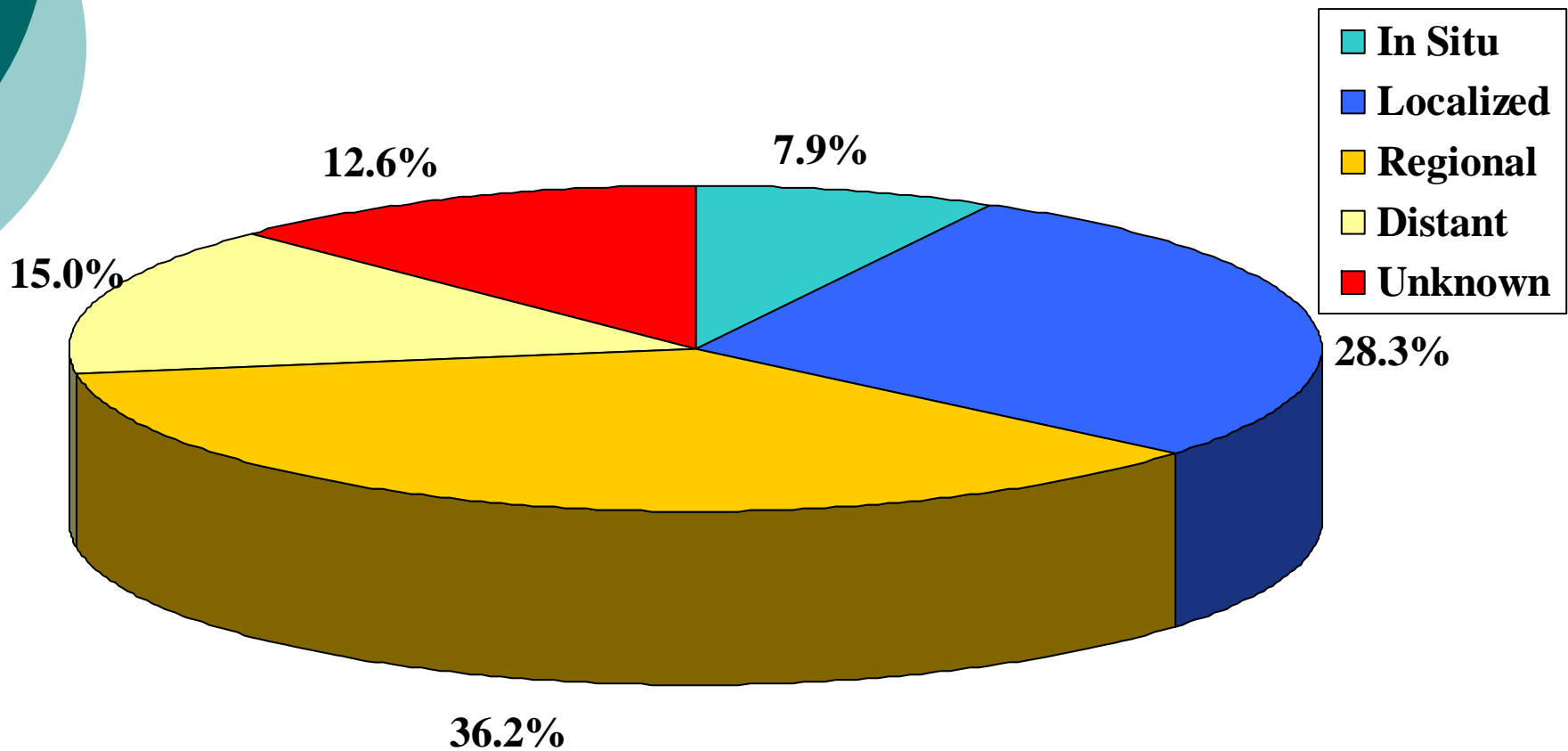
# Percentage of prostate cancer cases by stage at diagnosis, Hillsdale residents, 1996 to 2000

Source: MDCH Hospitalization records



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

Source: MDCH Hospitalization records



# Economics 101

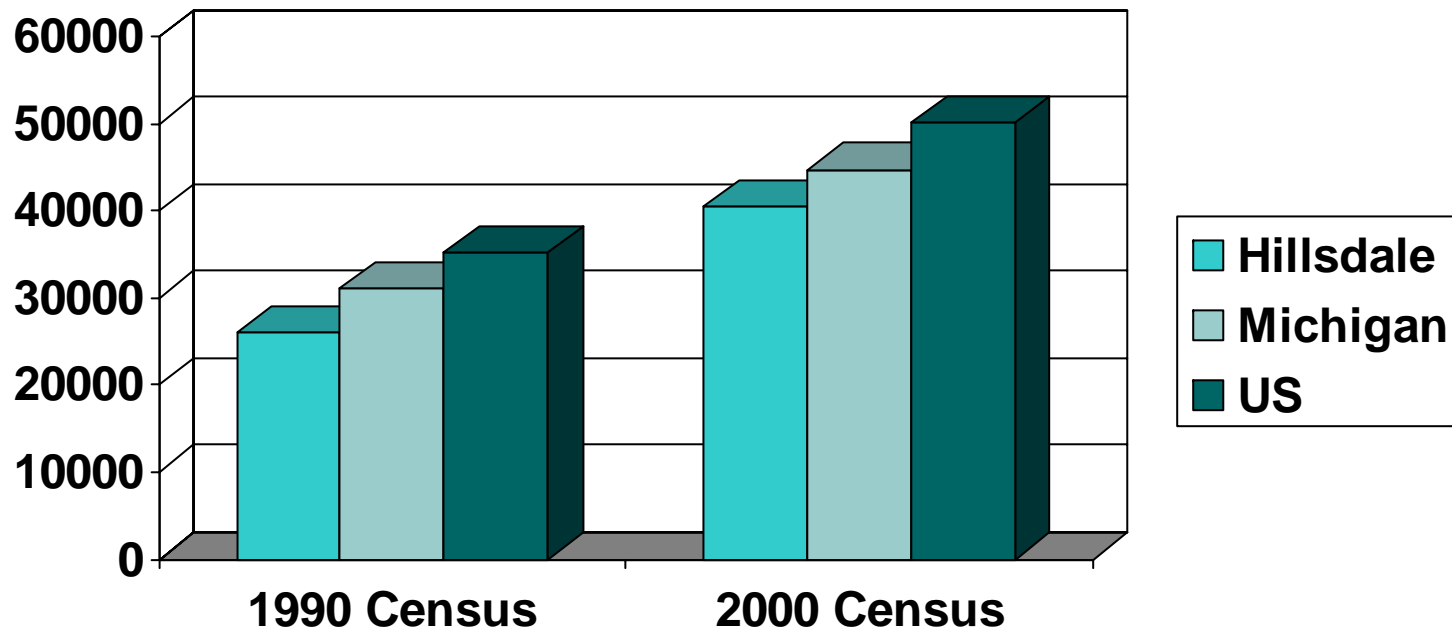
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# Median Family Income

Source: US Census 1990/2000

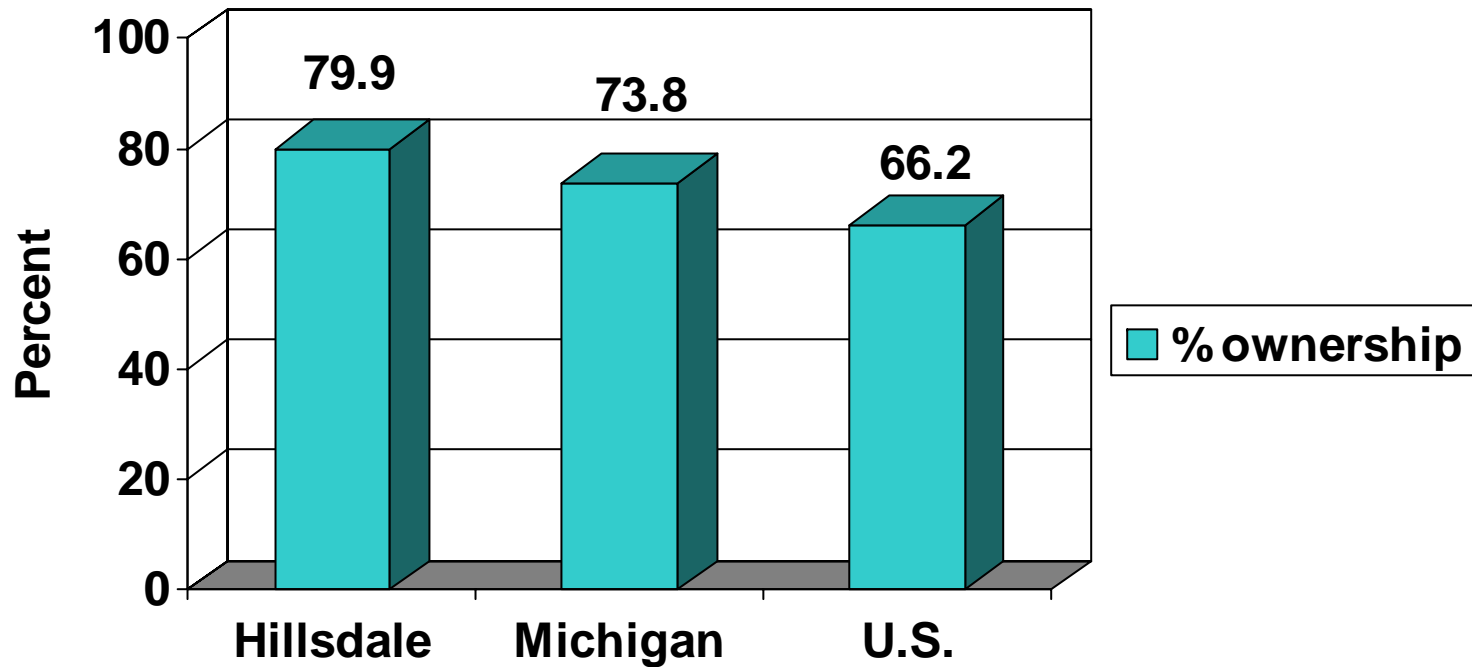
**Increase - HD 56% MI 44% US 42%**



# Home Ownership Hillsdale County vs. Michigan

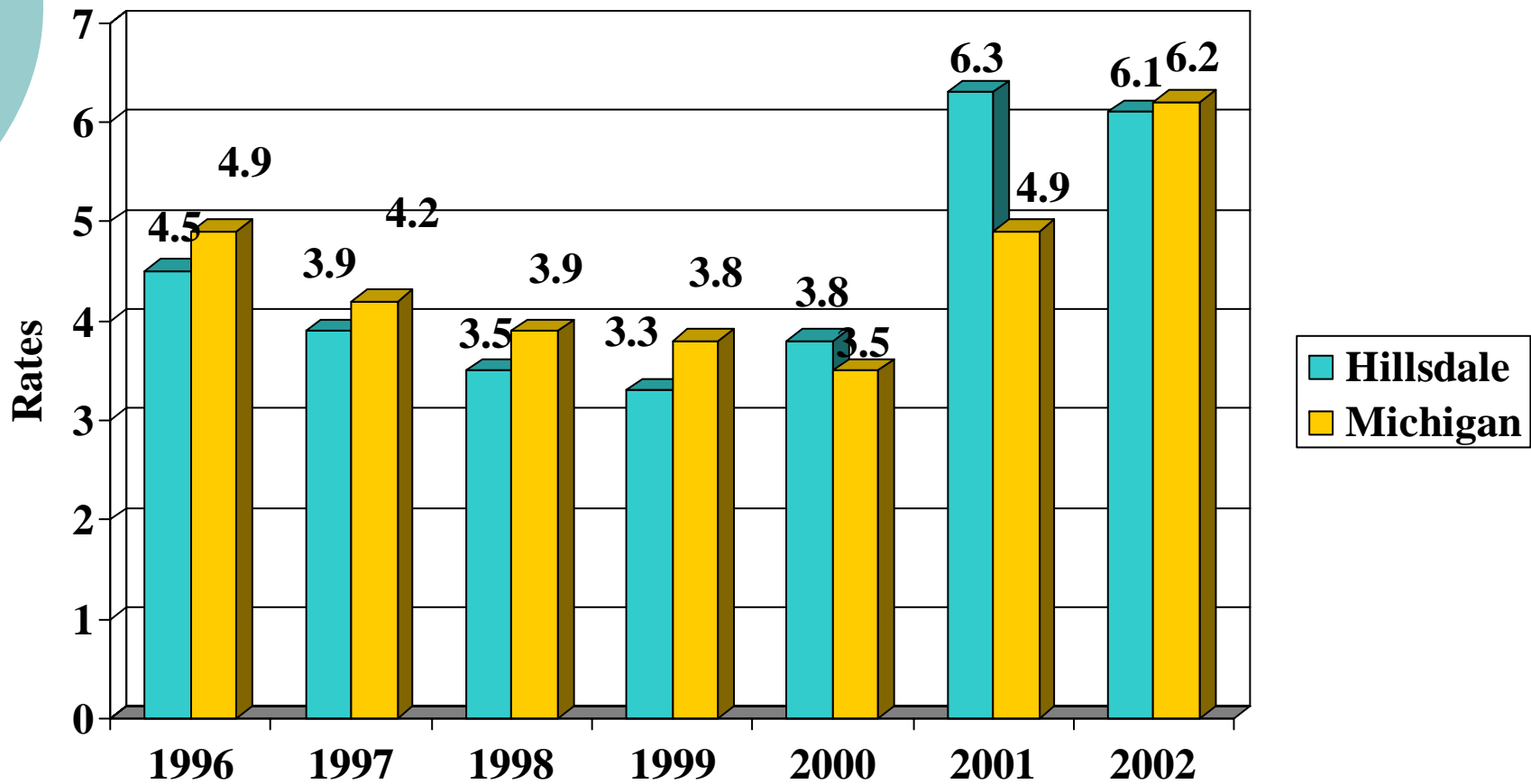
Source: FedStats.gov/ U.S. Census 2000

Formula: Owner occupied units / total occupied units



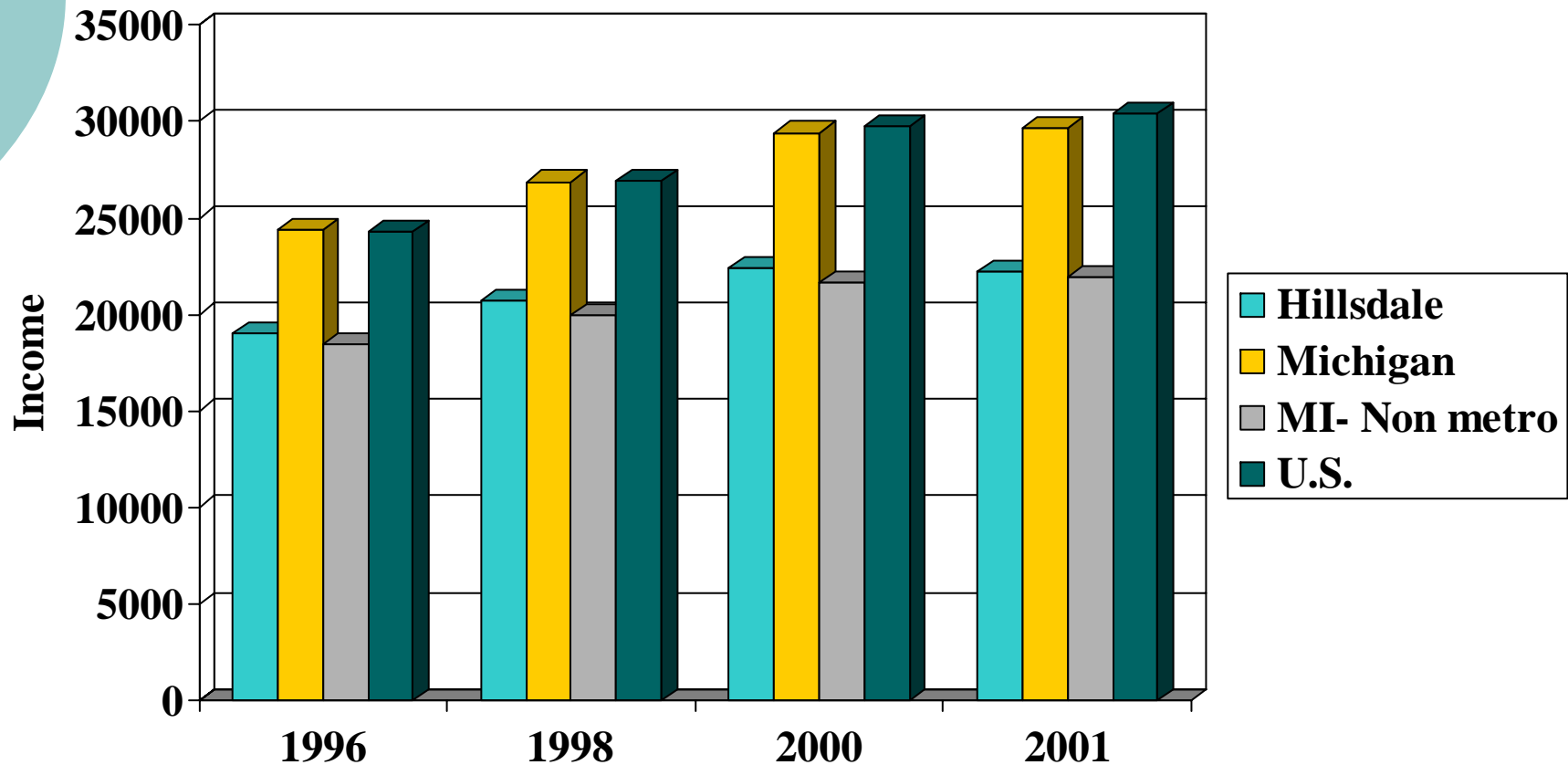
# Average, non-seasonally adjusted unemployment rates, Hillsdale & Michigan

Source: U.S. Bureau of Labor Statistics



# Per capita income estimates, Hillsdale, MI, & U.S., 1996-2001

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





# Poverty estimates for Hillsdale, all ages

Source: U.S. Census

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	1990 Hillsdale	2000 Hillsdale	Michigan 2000	U.S. 2000
<u>% poverty</u>	12.8 %	8.2%	10.5%	12.4%