

# HSN Indicators



**Children Birth to Five**  
**August, 2003**



# Fact or fiction?

- Did you know that the great majority of people in England have more than the average number of legs? It's obvious really; amongst the 57 million people in Britain there are probably 5,000 people who have got only one leg. Therefore the average number of legs is:  $((5000 * 1) + (56,995,000 * 2)) / 57,000,000 = 1.9999123$



Since the great majority of Brits have two legs...



# Glossary of terms

- **Number** - Actual number of reported cases – (Ex. 5000 Brits have 1 leg)
- **Percent** - The percent of the total number of cases compared to the population - ex: 1 out of 4 = 25%
- **Rate** - What would be my number if my population were a different (fixed) number. Rates are used to compare numbers between small groups and large groups.

$$\frac{30}{46,500} = \frac{64.6}{100,000} = \frac{6,395}{9,900,000}$$

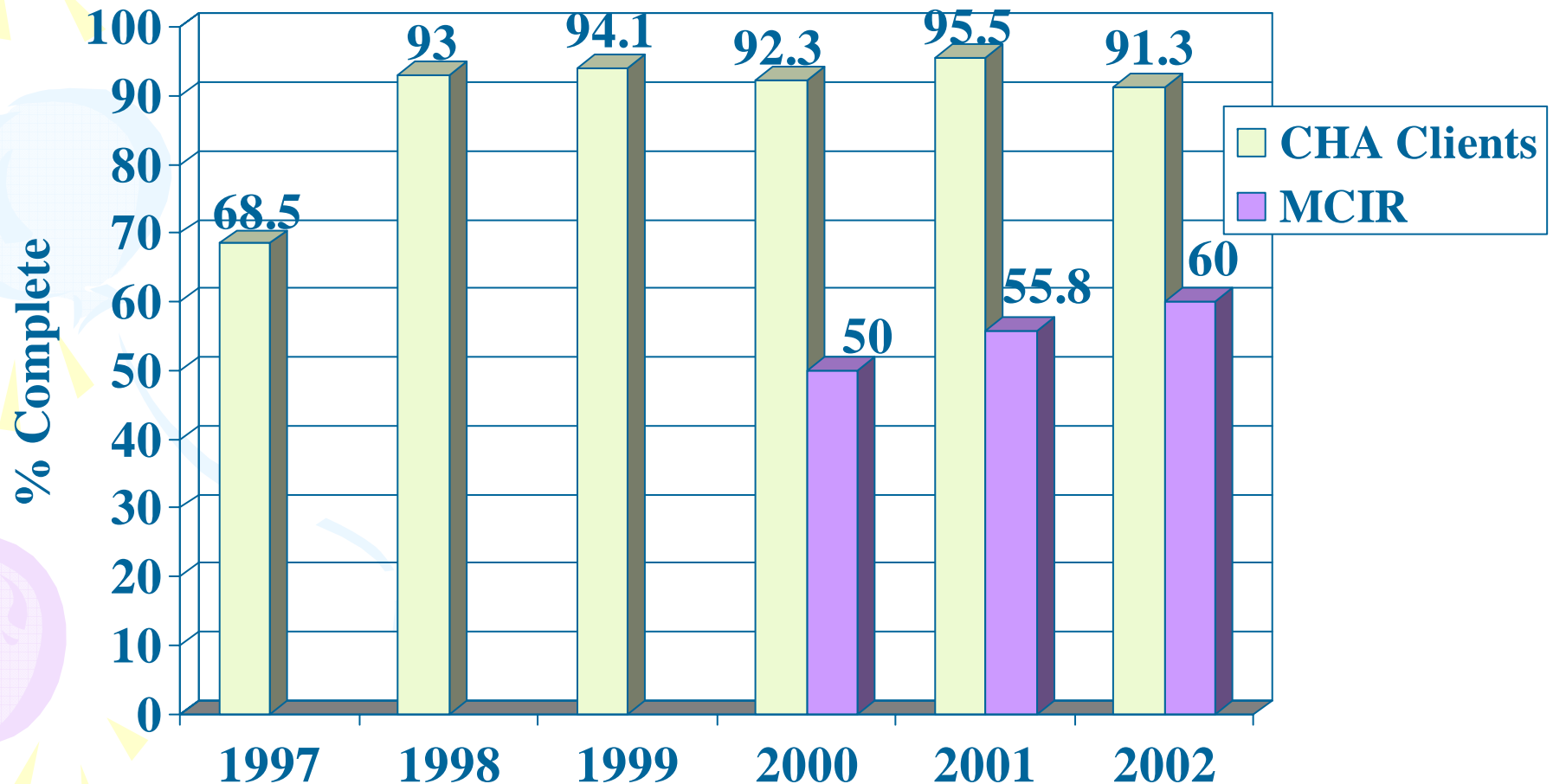
- The above example changes 30 cases in Hillsdale County with a population of 46,500, to a rate of 64.6 cases per 100,000. This allows comparison to a larger population rate, such as Michigan. Birth rates are usually expressed as “per 1,000 live births”

# Immunizations



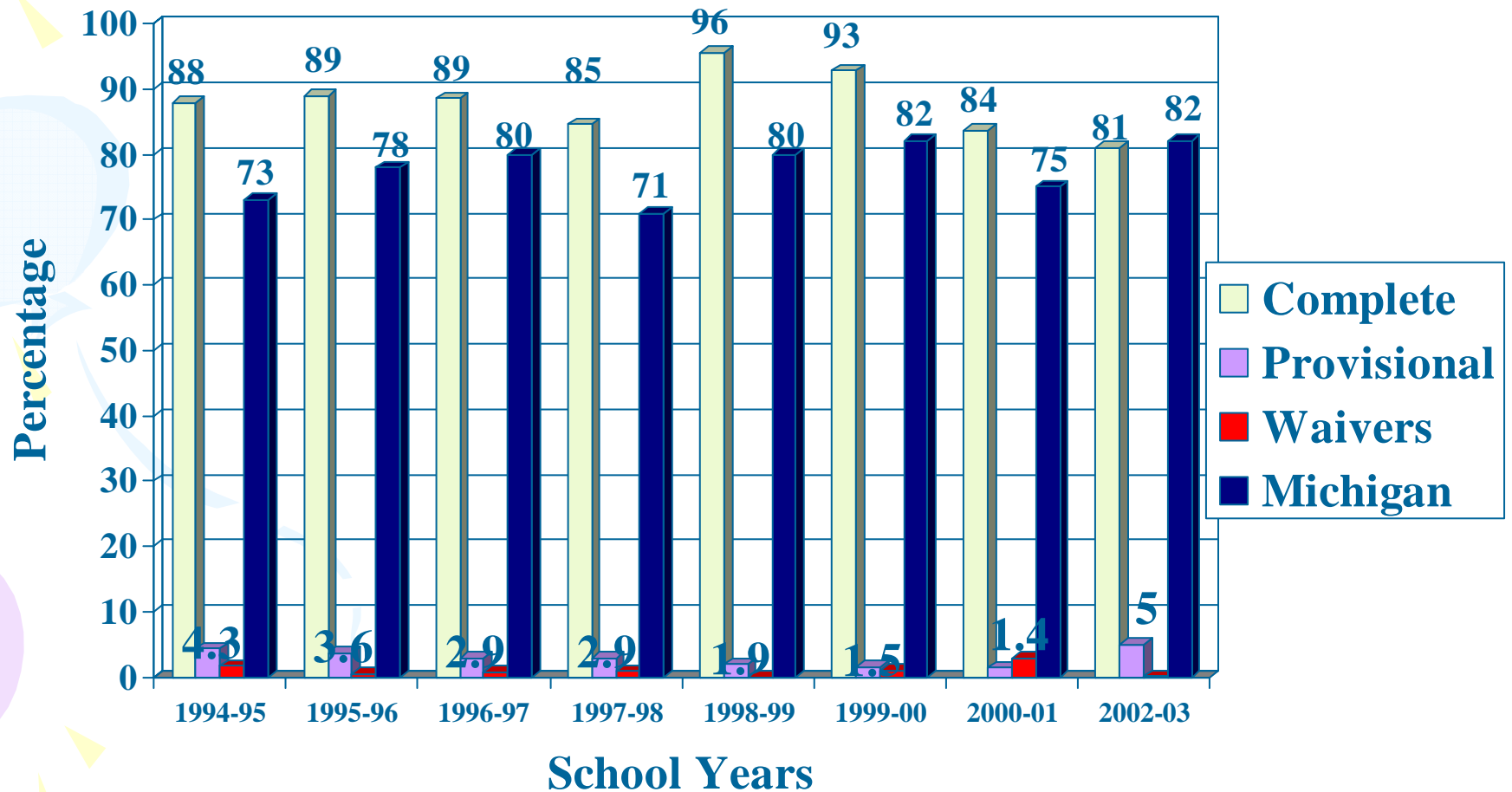
# Hillsdale County complete immunizations, 19-36 Months: CHA client files 1997-2001 Averages & MCIR system average June-Dec. 2000 & 2001

Source: Community Health Agency



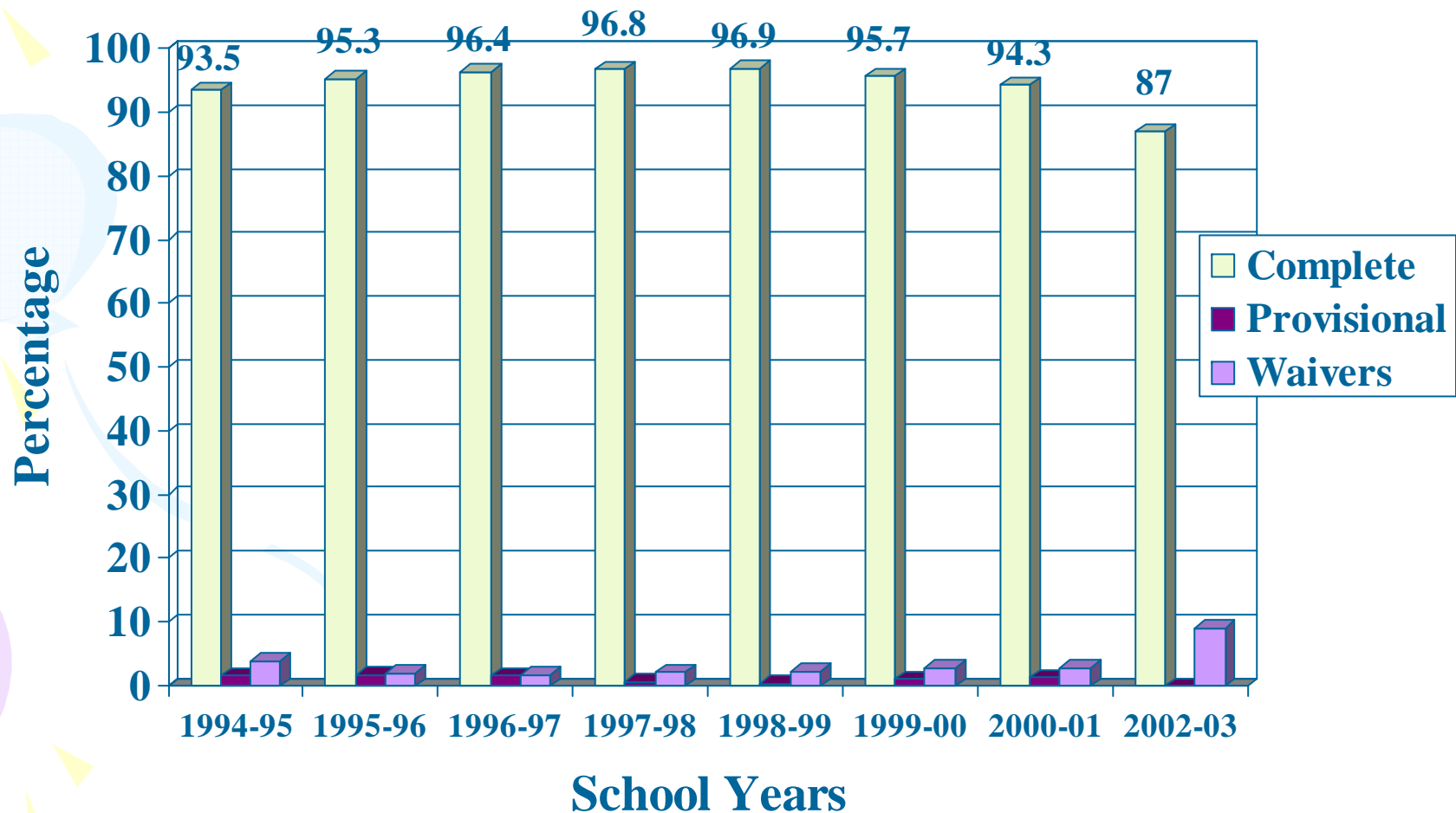
# Hillsdale County immunizations: Licensed preschool children, new entrants, October, school antigen reports

Source: Community Health Agency





# Hillsdale County immunizations: Kindergarten children, February school antigen reports

Source: Community Health Agency





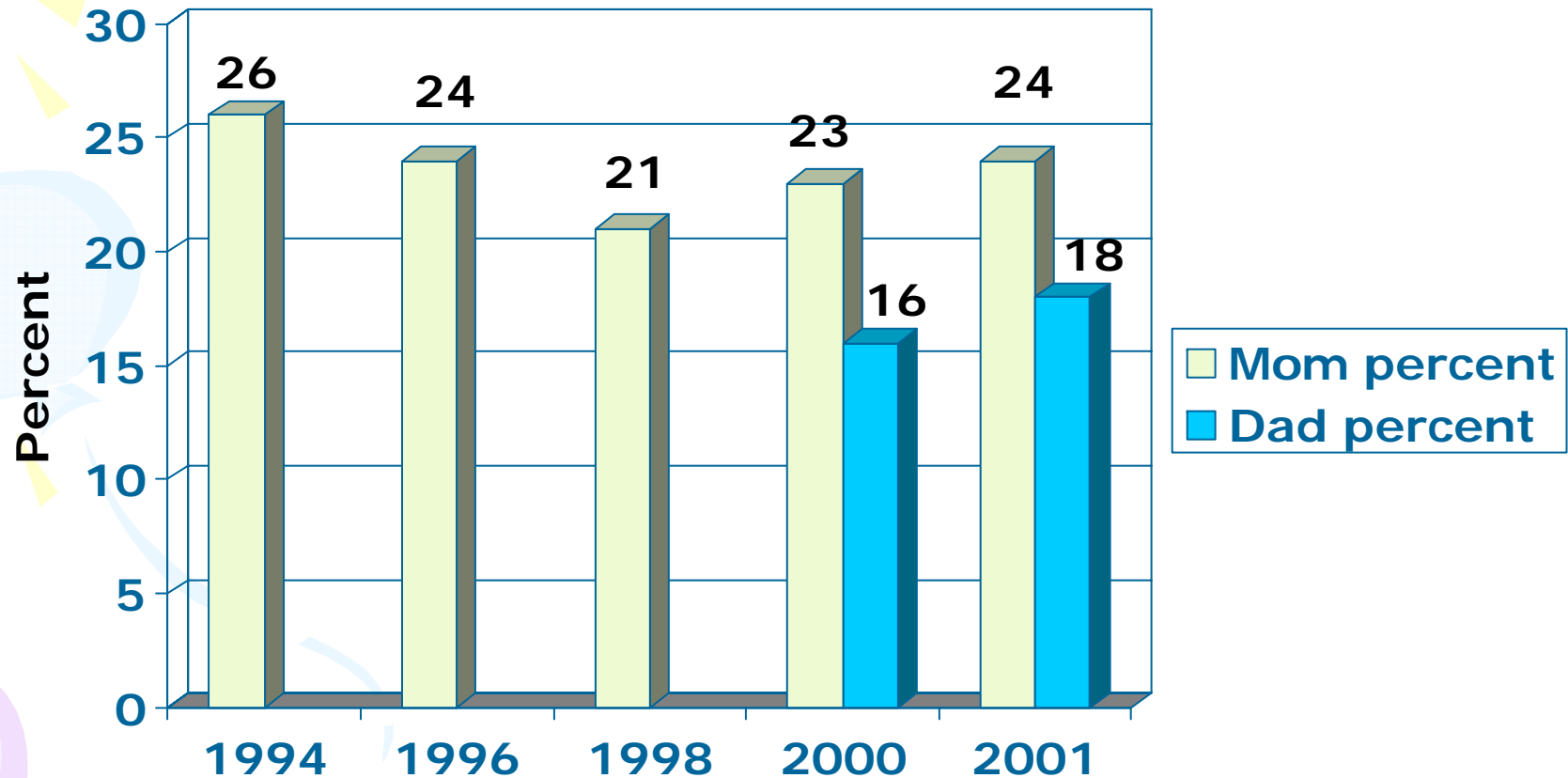
## Additional Information: Percentage of children entering kindergarten meeting screening standards

- There is no standardized tests used by all the schools to determine if children are meeting any standard. Each school appears to use its own tool.
  - The teachers at Head Start (CAA) do a developmental and speech screening on their clients as they enter, sometimes in the middle and at the end of their relationship. Clients that fail tests are referred to the ISD.
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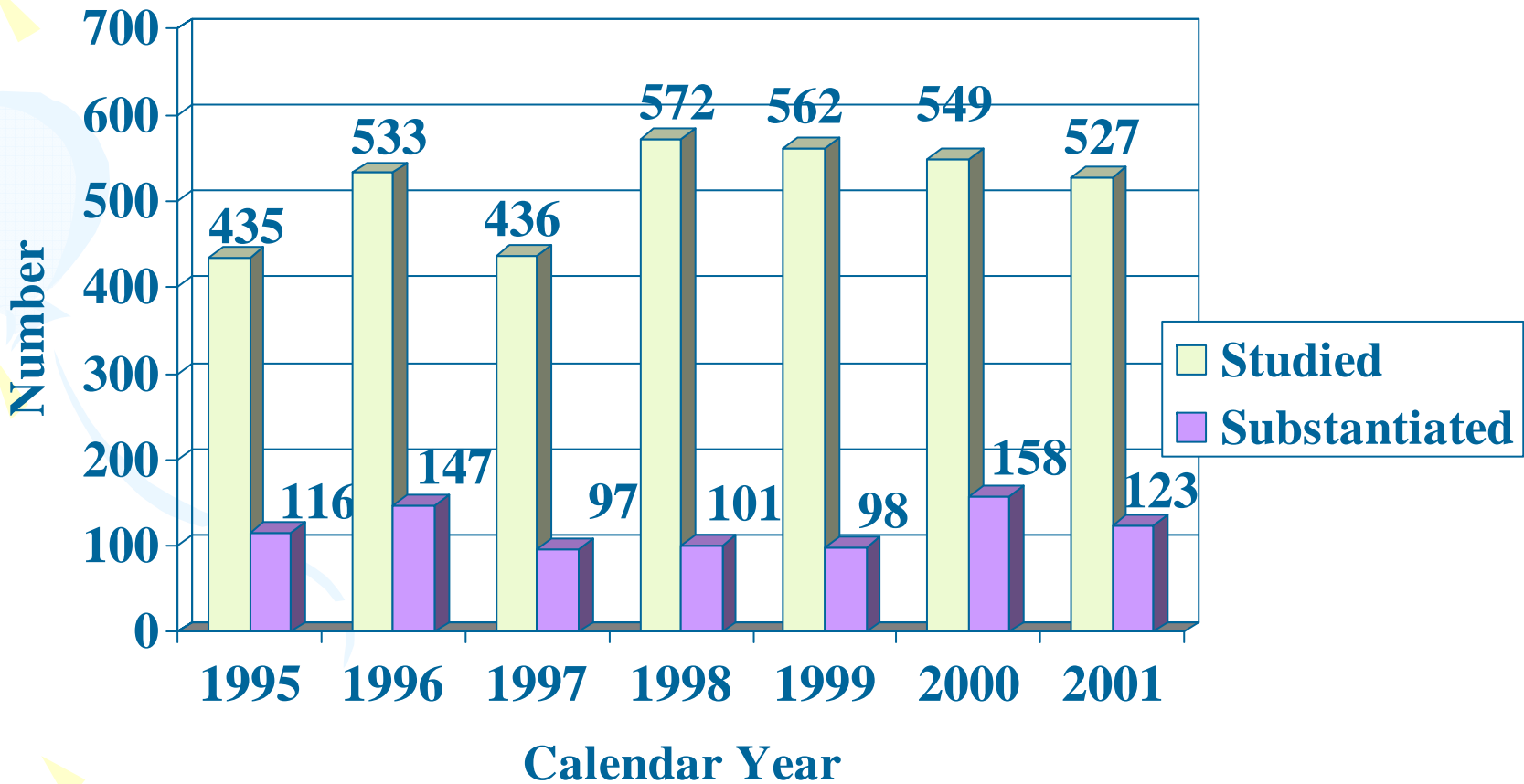
# Percent of Hillsdale mothers/fathers without a high school diploma

Source: Michigan birth files



# Hillsdale County FIA record of referrals studied and those substantiated, 1995-2001, youth under 18

Source: FIA Annual Report



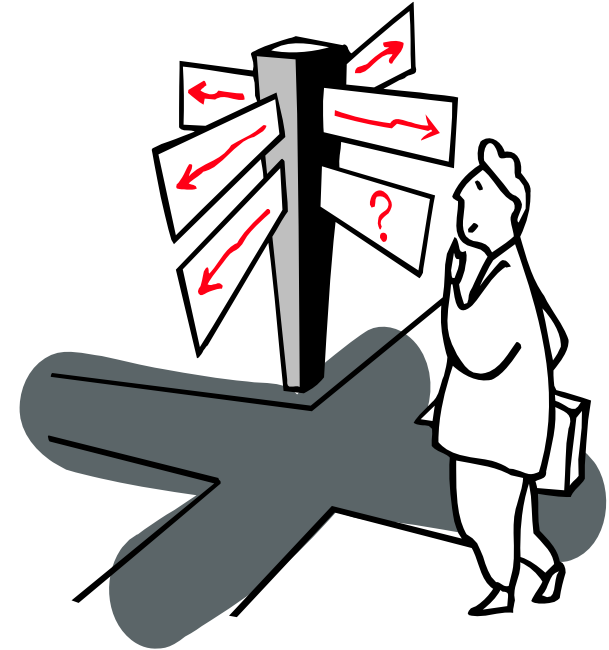


## FIA child abuse and neglect data

- Data available on the Management Information Report included all youth under age 18 and does not break down the children by our established age groups. (0-5, 6-18)

# Additional Information on FIA data

- Due to changes in data systems and a decentralized record keeping process, trend data from FIA for Hillsdale County has been difficult to establish. However, a new data system is said to be forthcoming in 03/04 which may allow trend data to be established for the future.



# Number of children in Hillsdale County, age 0-5, who were victims of domestic violence

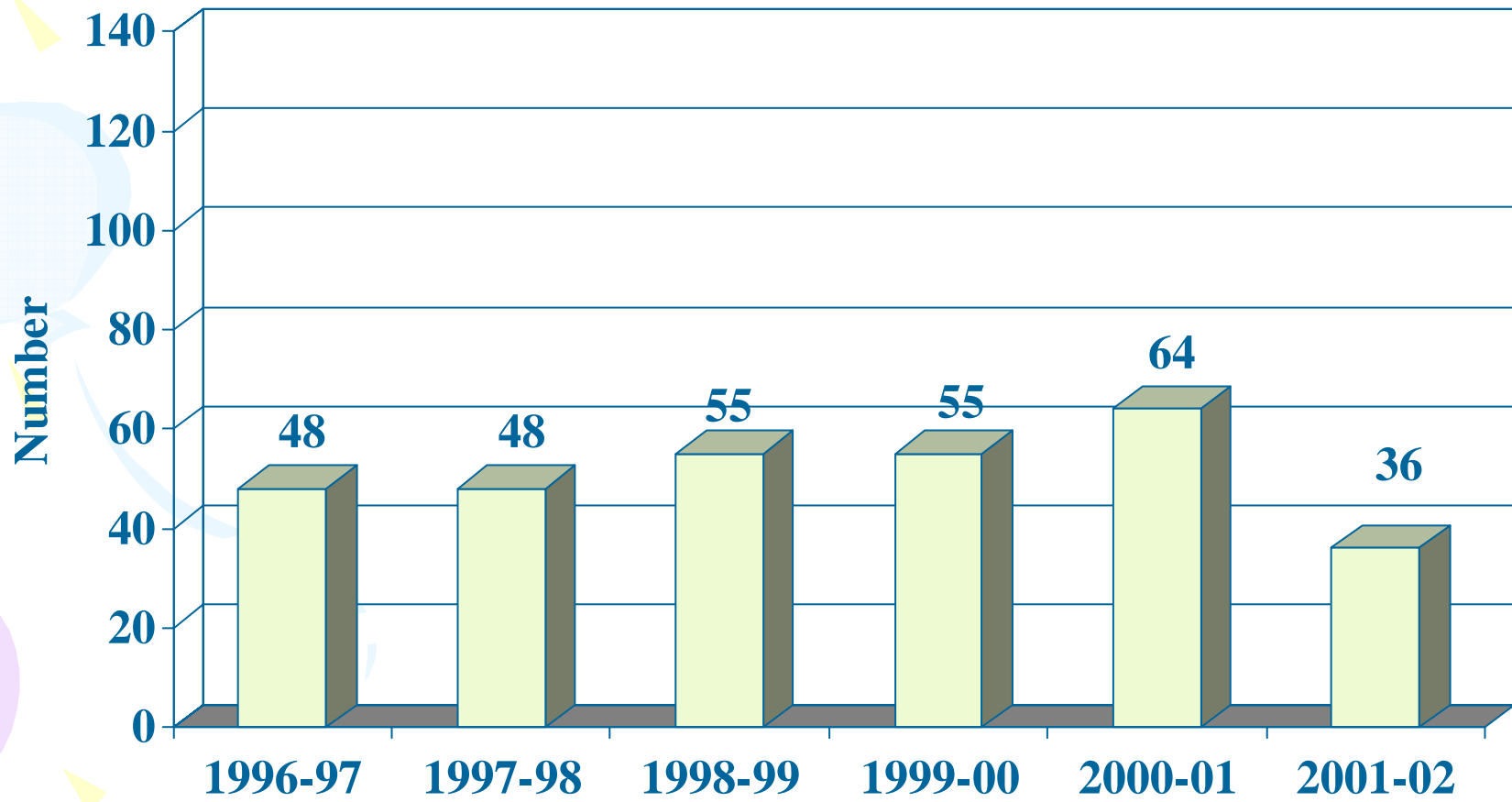
Source: 2001 MSP Uniform Crime Report

No cases were reported by the Michigan State Police for this age group in 2001



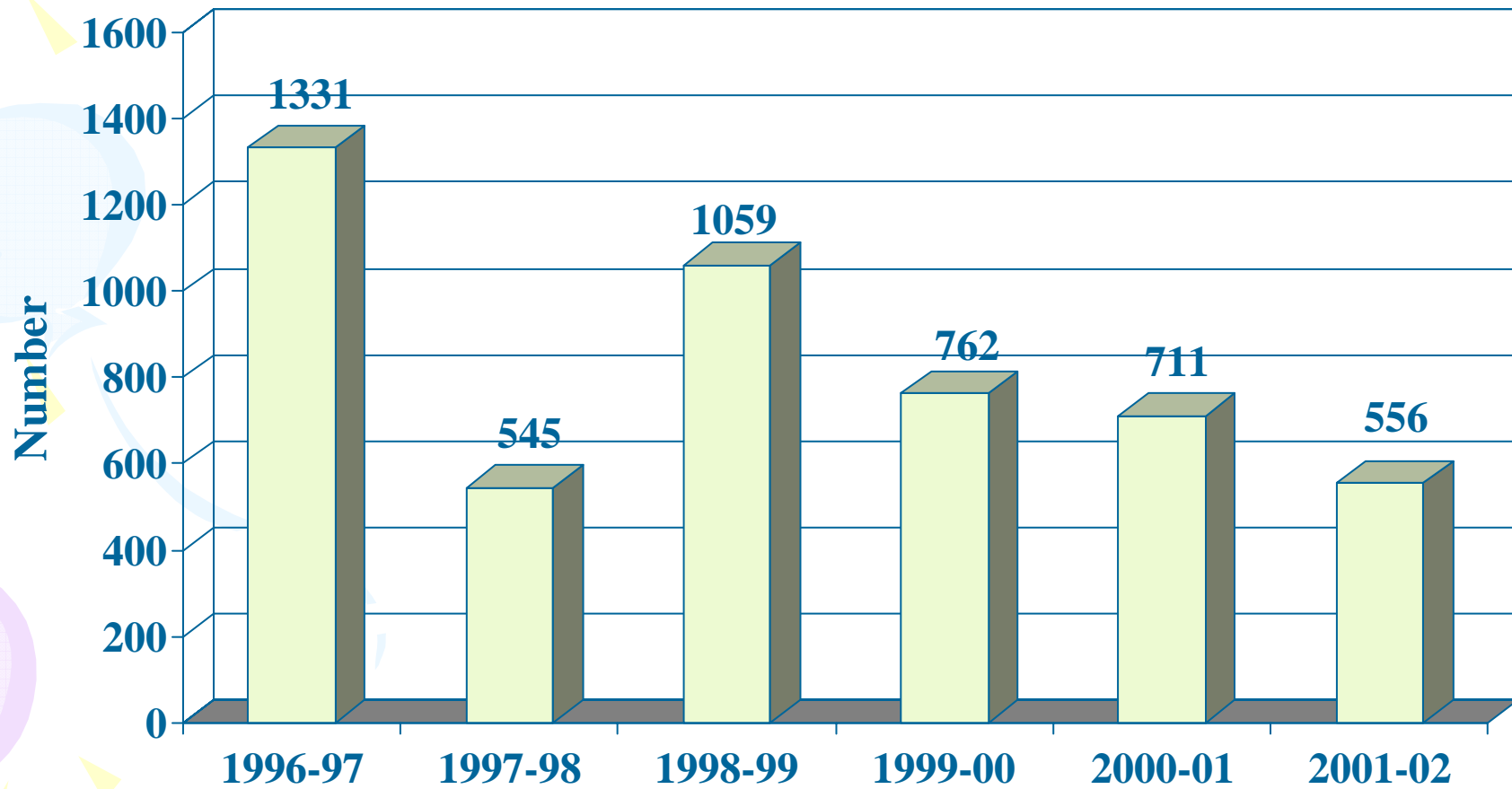
# Number of children in Hillsdale County ages 0 to 18 housed by Domestic Violence Shelter, 1996-2002

Source: Domestic Harmony



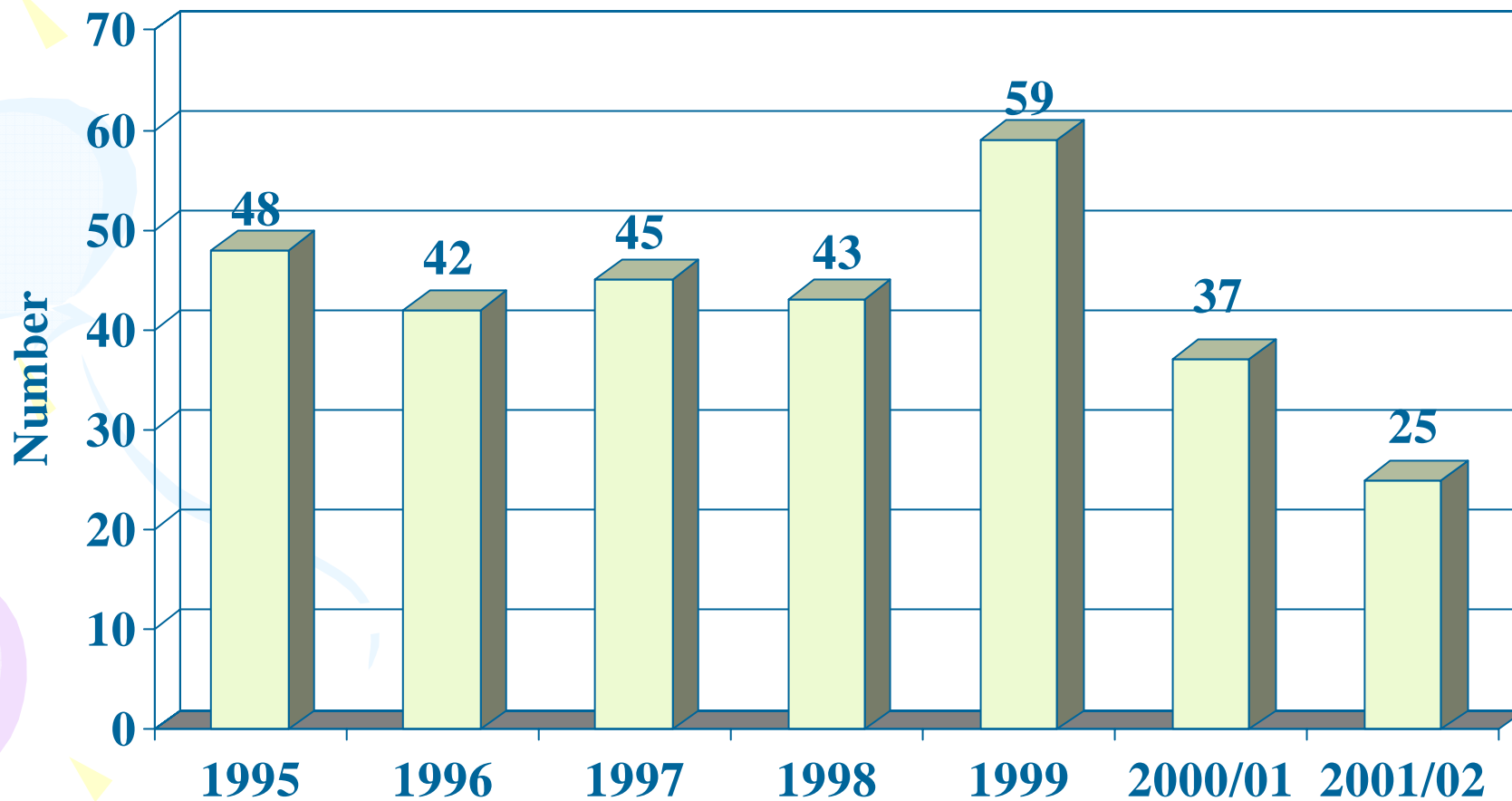
# Number of resident nights provided for children ages 0 to 18 by Domestic Violence Shelter, 1996-2002

Source: Domestic Harmony



# FIA Foster Care, youth under 18, 1995-2002 quarterly averages

Source: FIA Website PUB 170







# Licensed child care centers in Hillsdale County

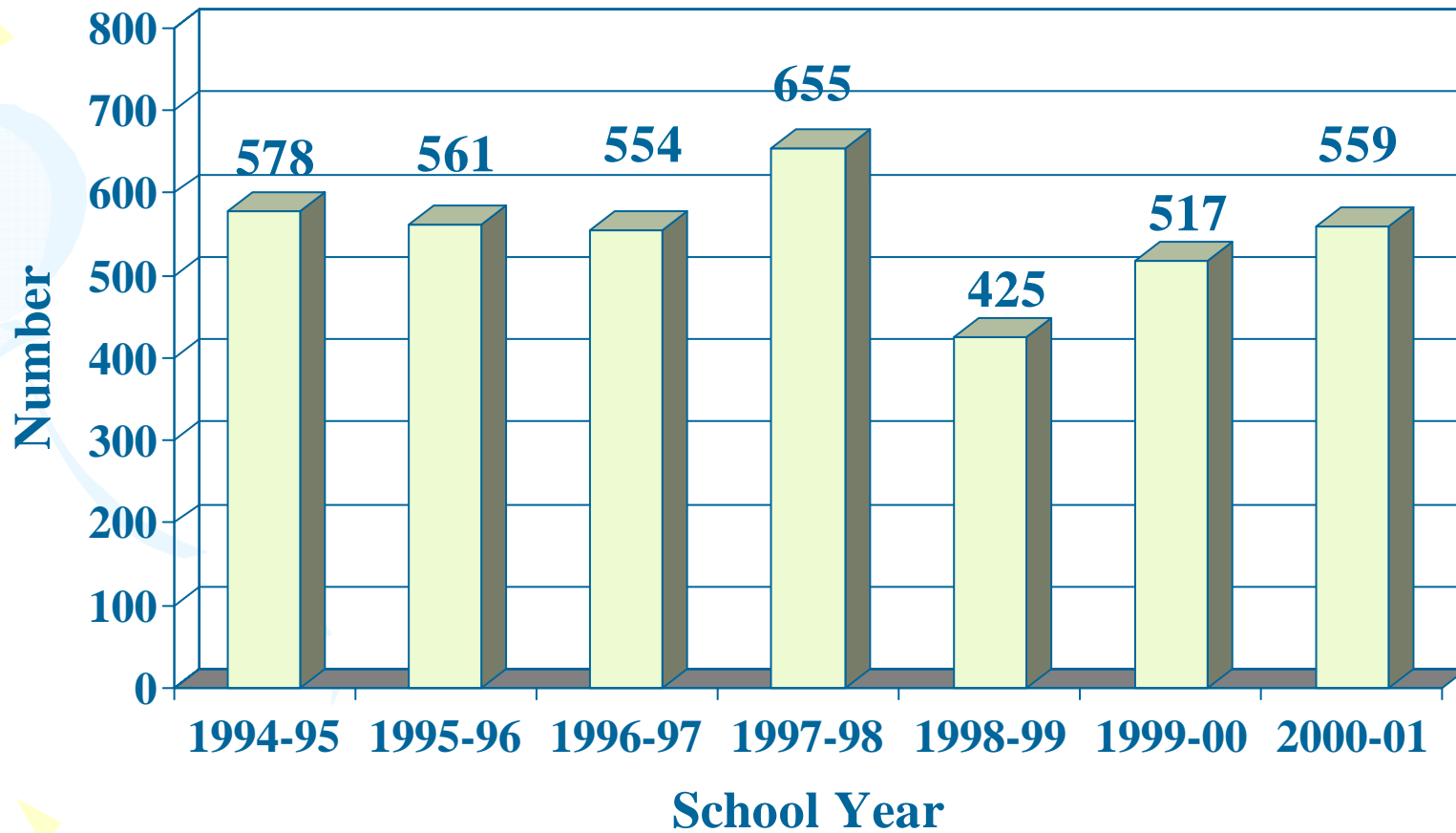
Source: 2002 Kids Count Data Book

There are a total of 111 licensed child care facilities in the county broken down as follows:

- 18 centers licensed as preschools with a capacity for 613 children.
- 17 Group family homes with a capacity of 204.
- 76 individual licensed homes for child care with a capacity of 452.

# Number of new daycare/preschool entrants each year in Hillsdale County, school antigen reports


Source: Community Health Agency





## Additional Information: Population estimates for the 0 to 5 age group


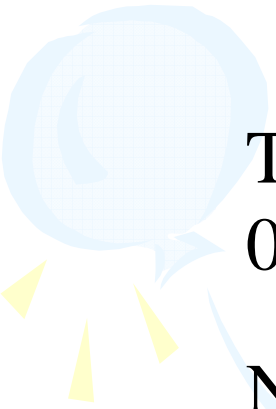
- According to the 2000 Census, there are 3,643 children in Hillsdale County ages 0 up to and including 5.
- According to MDCH, there were 643 children in the county age <1 and 2630 children ages 1 to 4 in 1999.
- If there were 550 new daycare/preschool entrants in 1999, this would mean approximately one-sixth (16.6%) of the under five population is in a licensed daycare/preschool. The remainder would be in unregulated settings (unlicensed, relatives, etc.)



# Poverty estimates for Hillsdale County children age 0 to 5

Source: U.S Census 1990 & 2000

	1990	1993	1995	1997	2000
Total Children 0-5	3296	3669	3598	3554	3643
Number in Poverty	685	919	792	596	428
Percentage in Poverty	20.8%	25%	22.0%	16.8%	11.8%



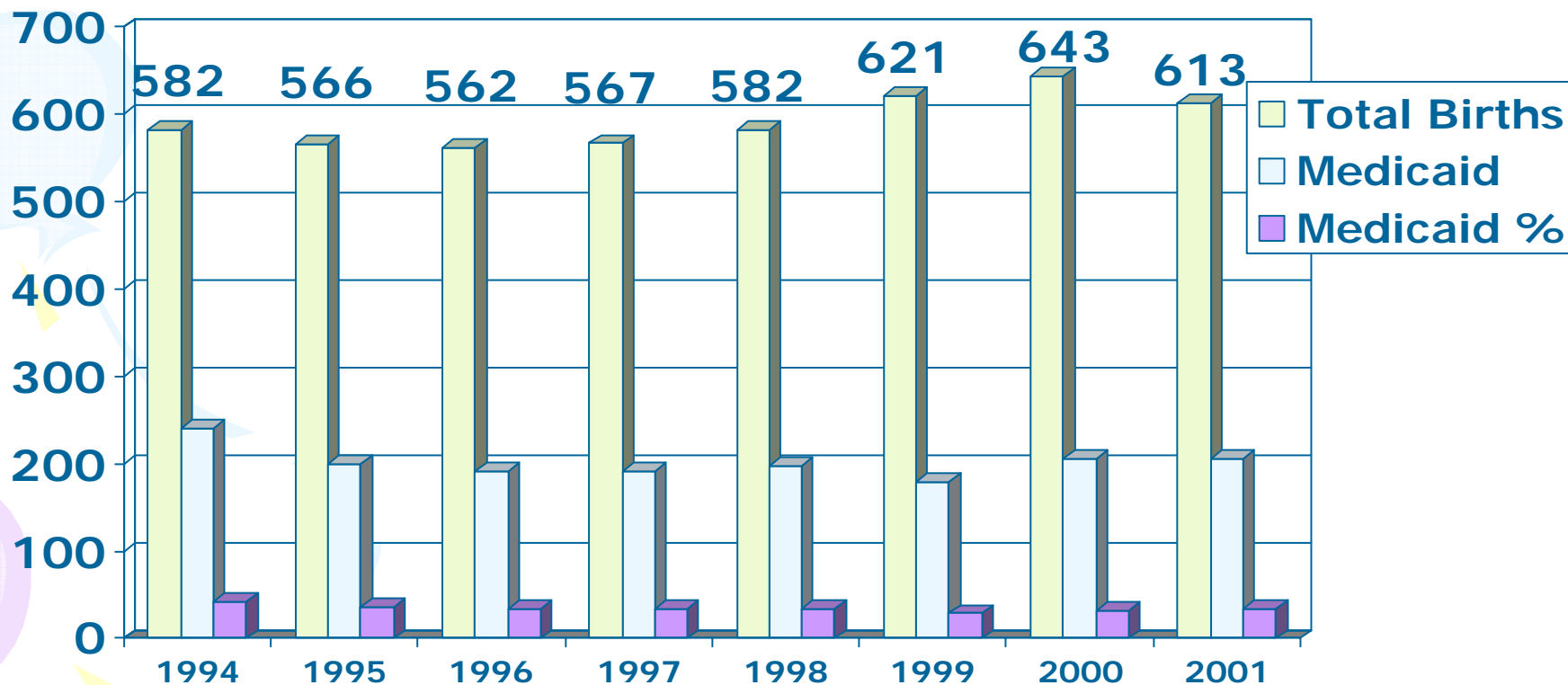
# Pregnancy & Prenatal Care



# Number of Hillsdale County births, Medicaid births 1994-2001

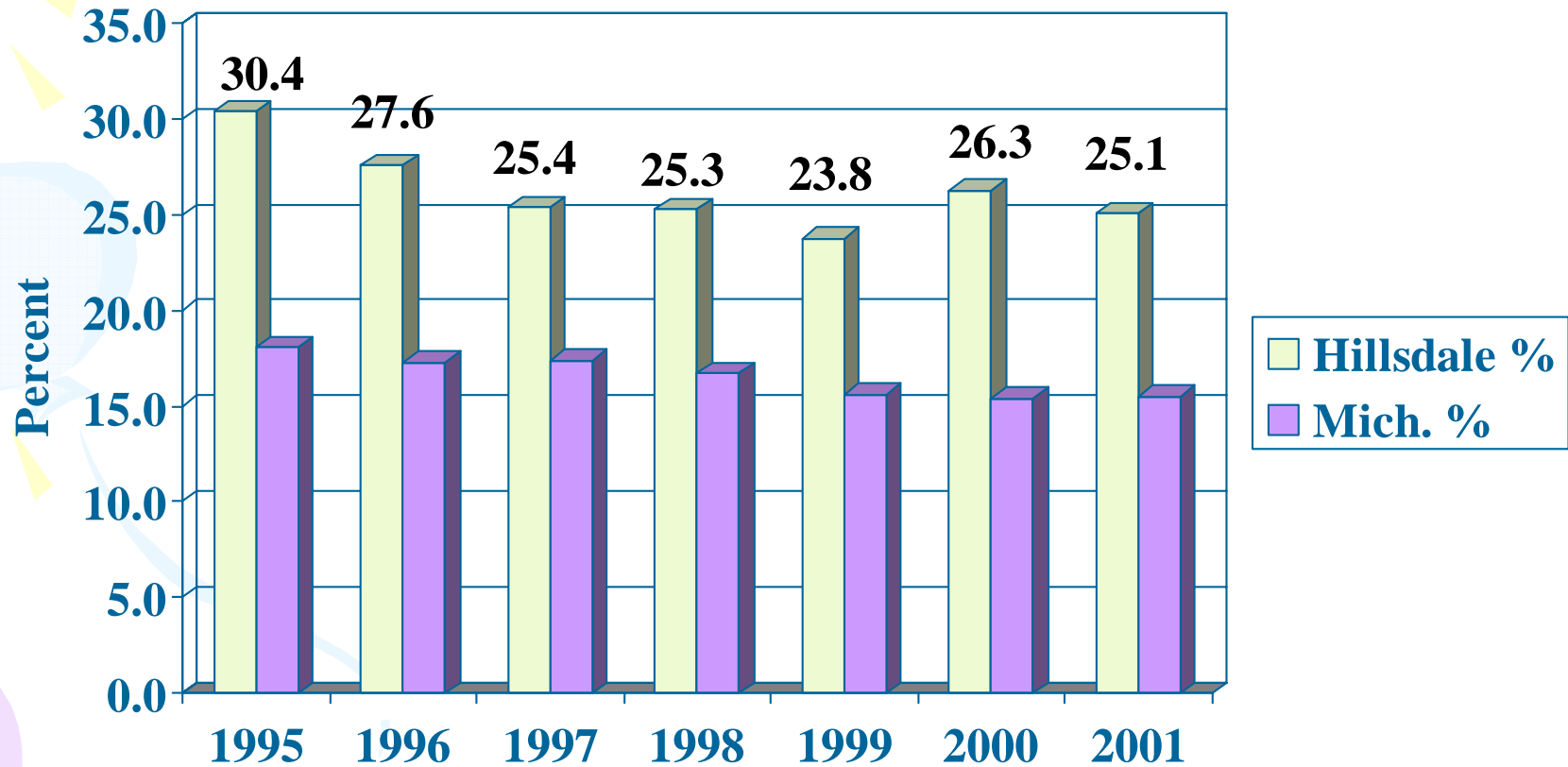
Source: MDCH Birth Files

% Medicaid 1994 - 42%, 2001 - 34%



# Percent of mothers who report smoking while pregnant/ Michigan/Hillsdale Co.

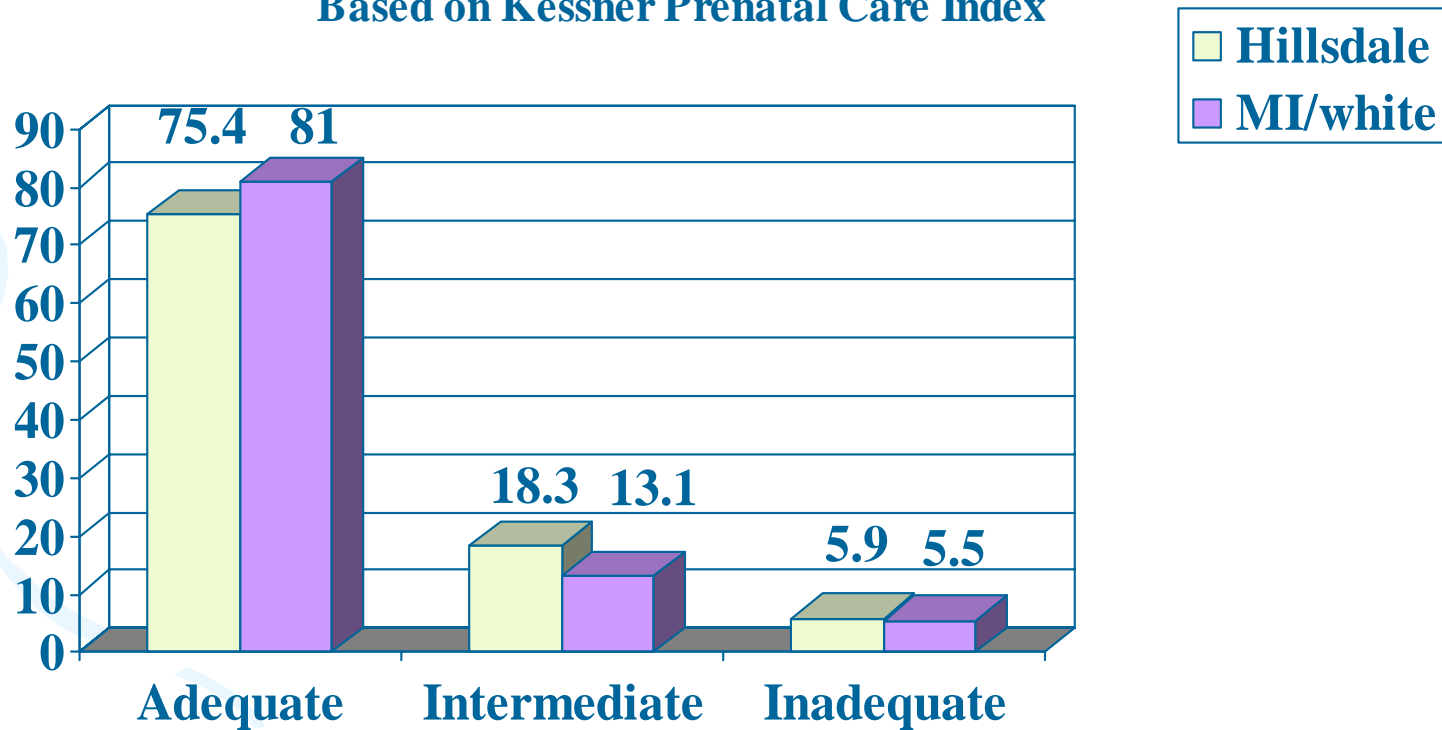
Source: Michigan Birth Files



# Adequacy of Prenatal Care Hillsdale County births/MI

Source: Michigan Birth Files

Based on Kessner Prenatal Care Index

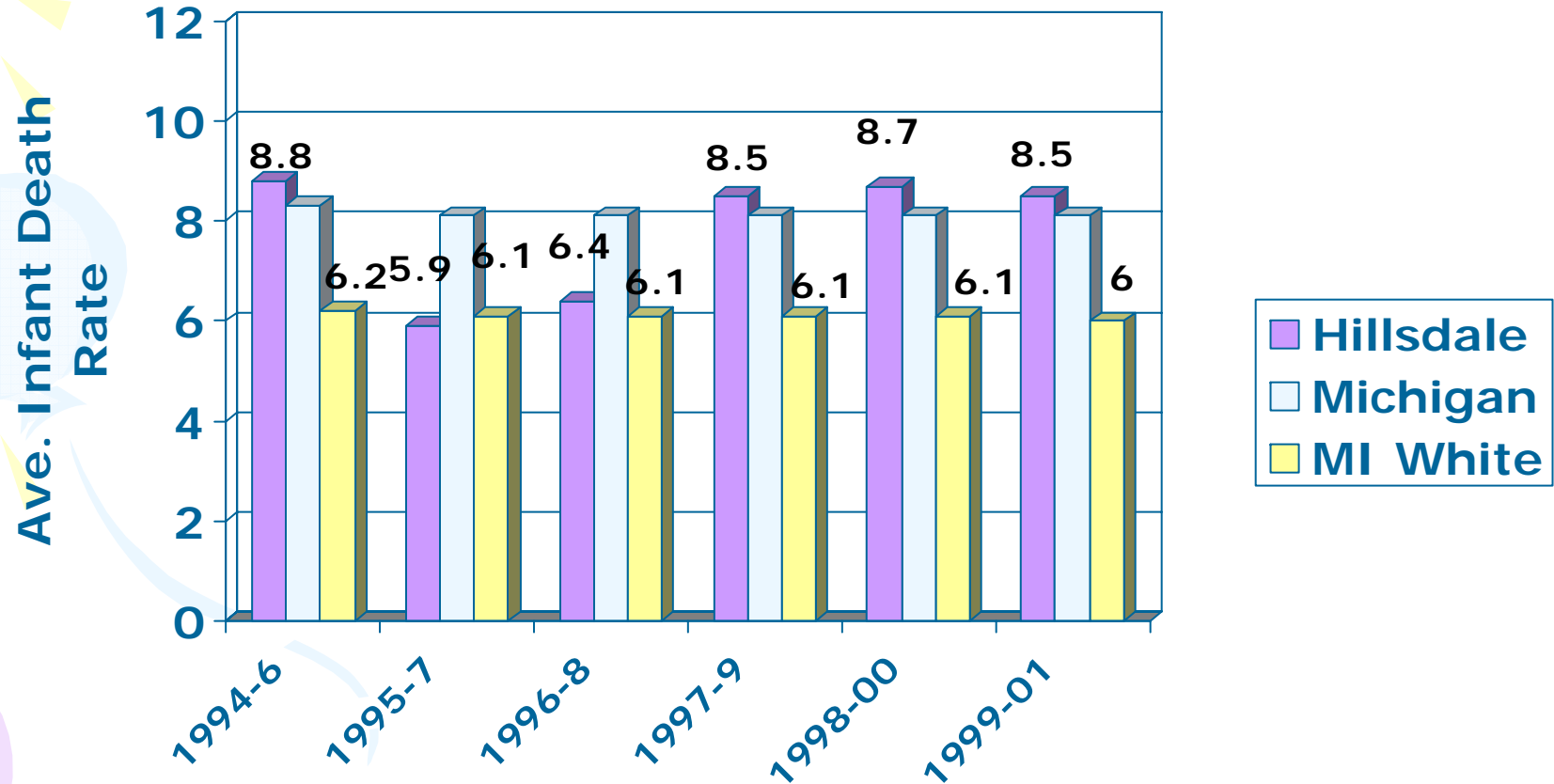


6% = 31 children



# Infant Mortality – Hillsdale County 3 year moving average

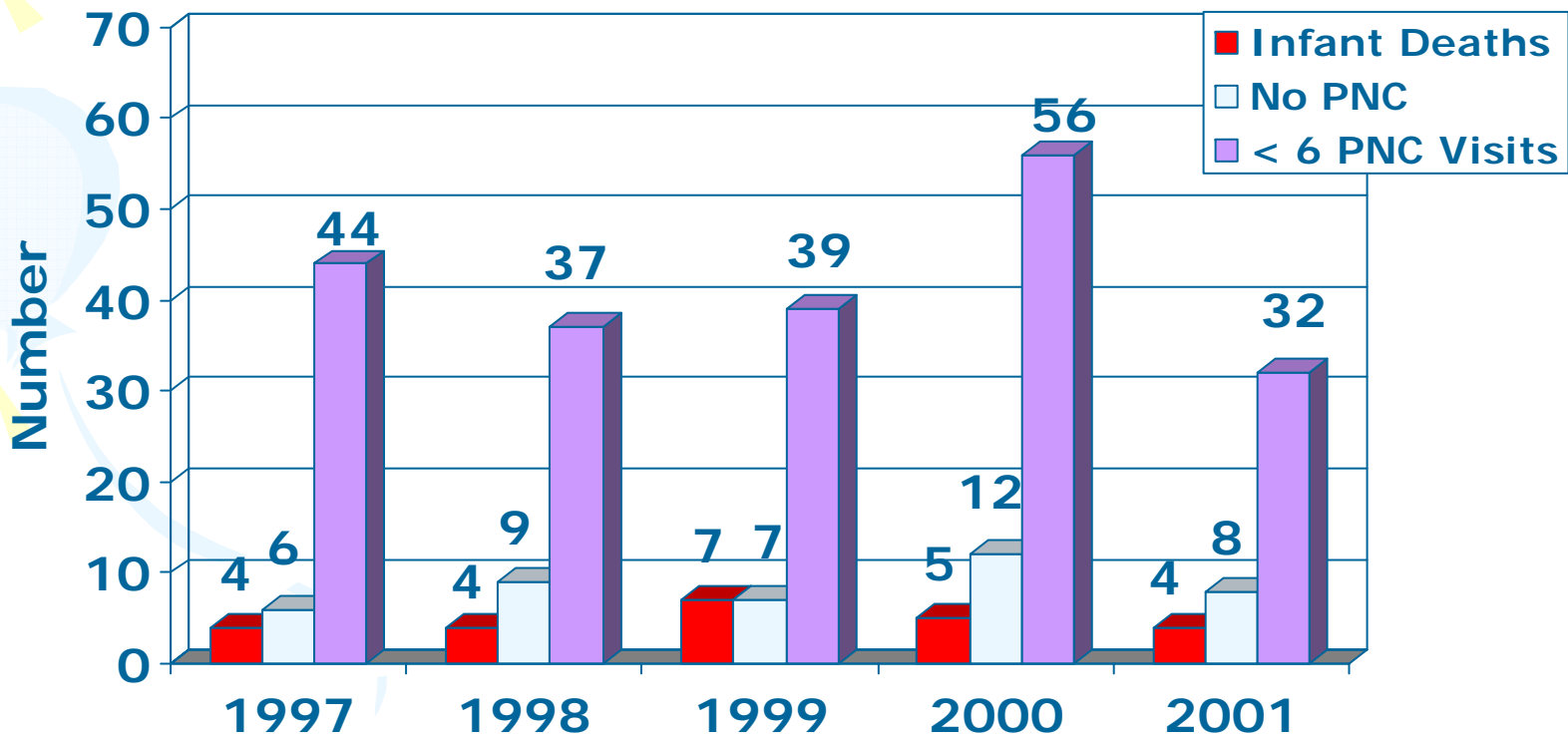
Source: Michigan birth files



# Infant deaths and Prenatal Care Statistics

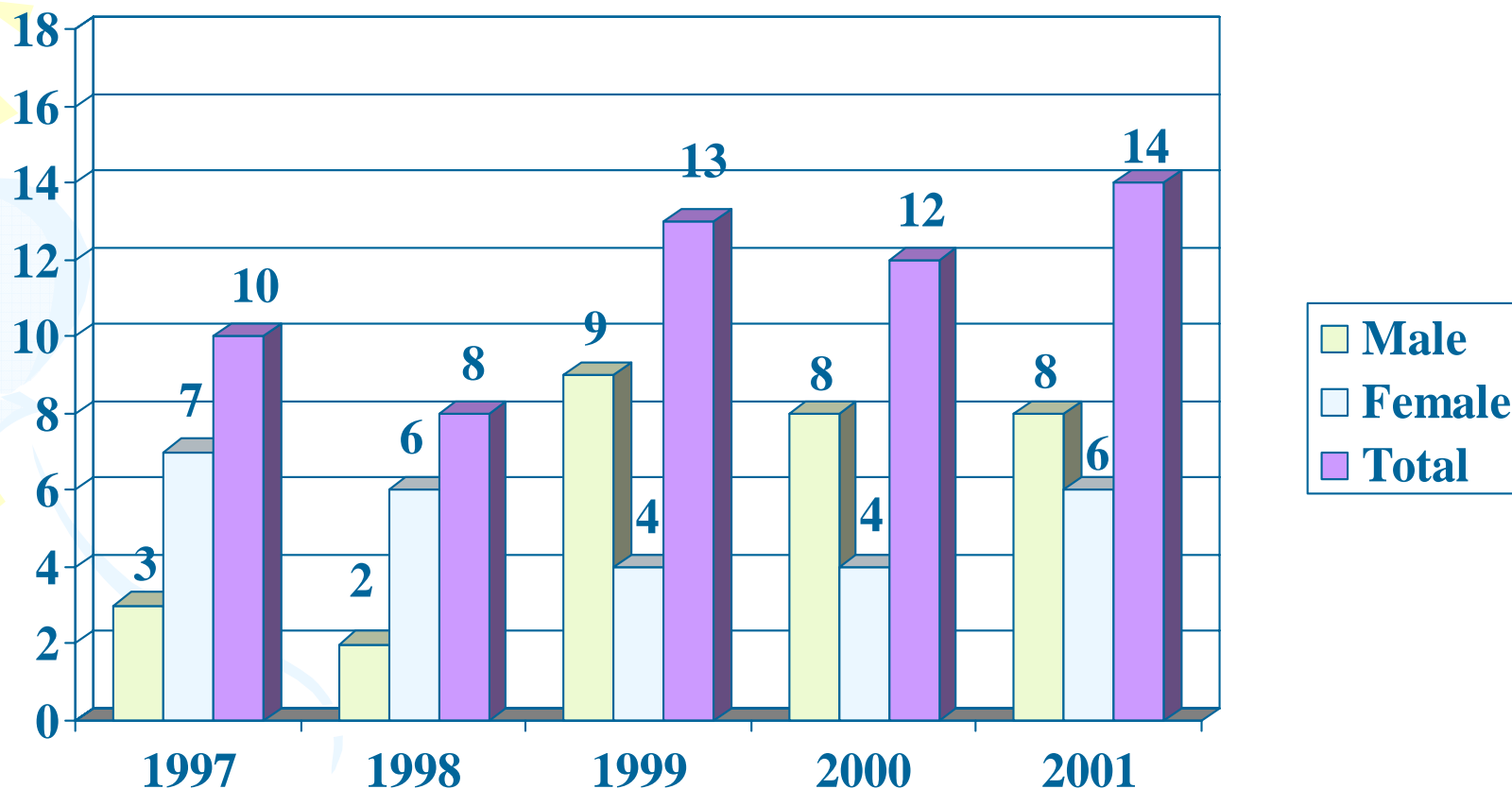
Source: Michigan Birth Files

Average births during period - 605



# Deaths of children ages 0 to 18, Hillsdale County, 1997-01

Source: MDCH Death Files





# 57 child deaths by cause, Hillsdale County, 1997-01

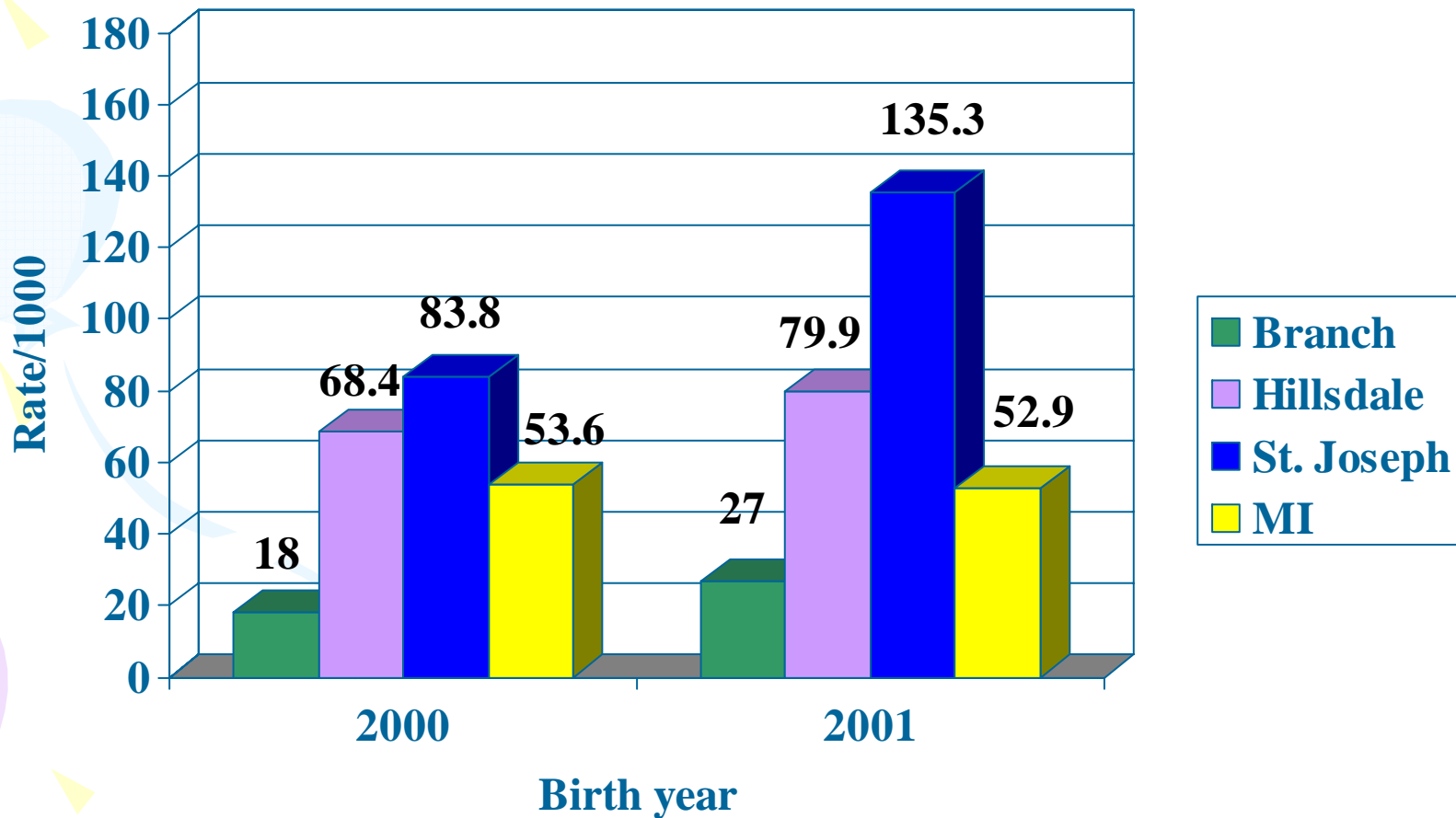
Source: Michigan Death Files

- 17 attributed to neonatal complications
- 7 motor vehicle related
- 5 cancer deaths
- 8 due to fire/smoke inhalation
- 2 suicides
- 1 handgun discharge
- 8 due to diseases or other causes
- 1 accidental suffocation
- 1 pneumonia
- 7 Other causes

# Branch vs. Hillsdale

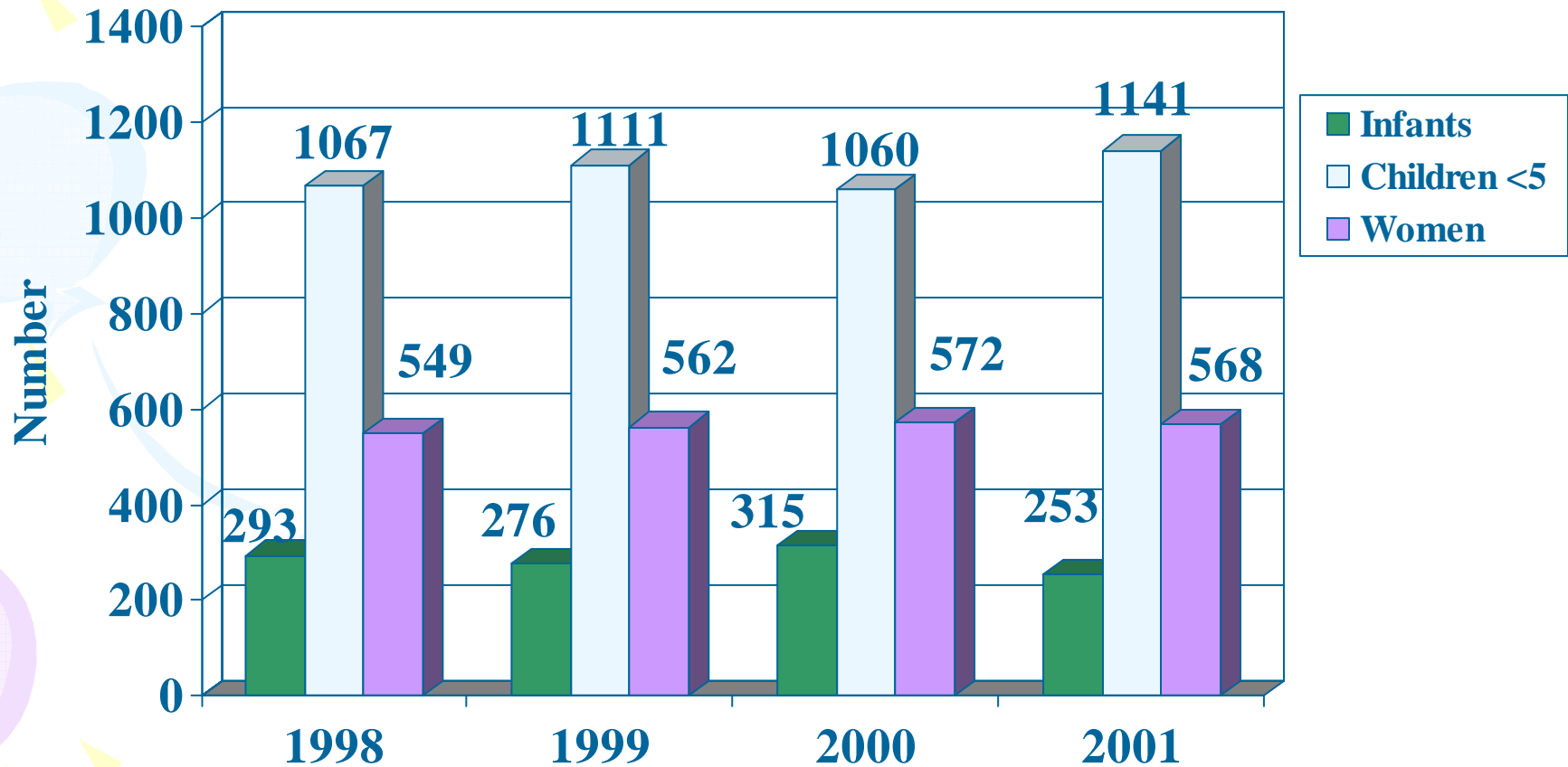
## Abnormal conditions of newborn (Including; Anemia, birth injury, Fetal Alcohol Syndrome, and seizures)

Source: Michigan Birth Files



# WIC enrollment, Hillsdale County, 1998-2001

Source: MDCH WIC program data



# WIC enrollment of women by age, Hillsdale, 2001 percentage

Source: MDCH WIC Program data

