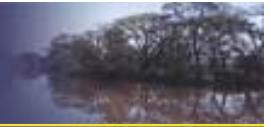


# Asthma in Sonoma County Data Update 2010

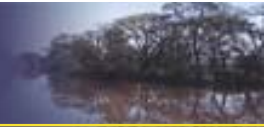
Jenny Mercado, MPH  
Sonoma County Dept of Health Services



# What data are available?

## The Asthma Surveillance Pyramid: A Description of California's Asthma Data



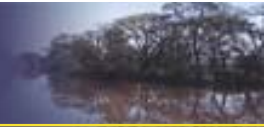


# 1. Prevalence/Severity

Asthma Prevalence, Sonoma County

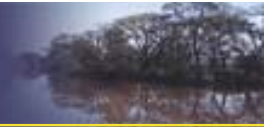
	Percent			
	Lifetime	Current	Symptoms within last 12 mo	Episode within last 12 mo
<18 yrs	17.6	66.7	82.3	47.2
18+ yrs	14.5	59.3	82.5	30.7
Total population	15.2	61.2	82.9	35.1

Source: CHIS, 2005/2007 pooled data



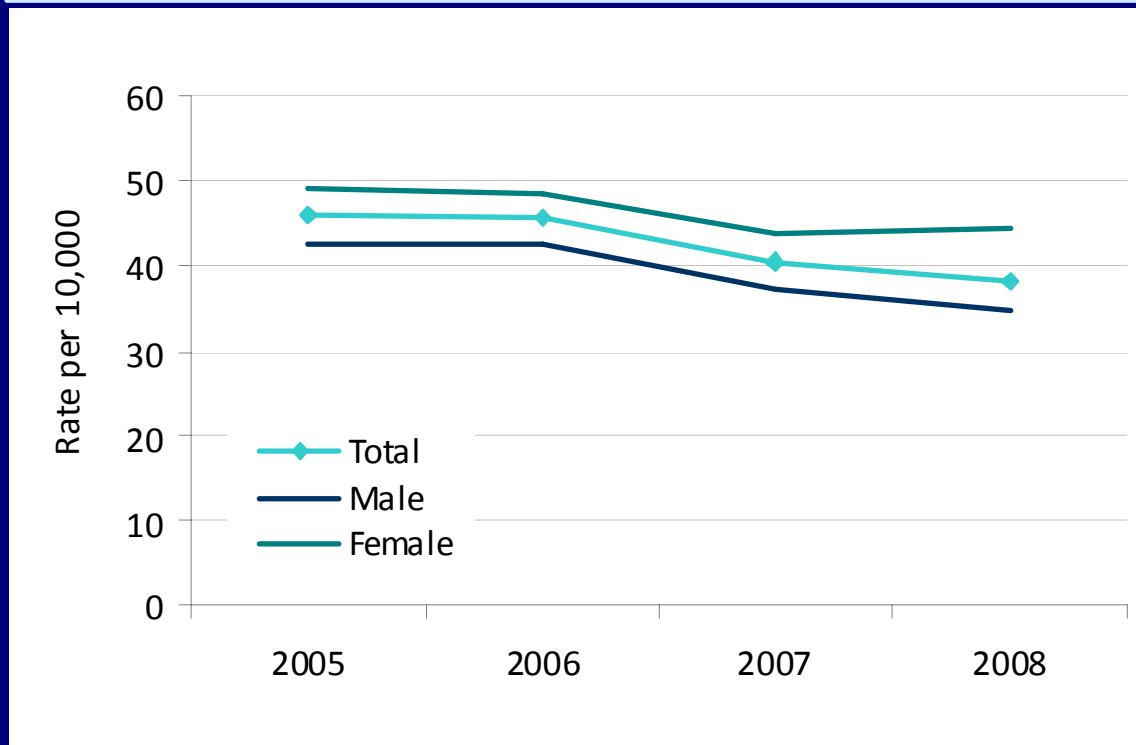
## 4. ED Visits

- ~2300 visits per year
- Female 55%
- Race/ethnicity
  - WNH 61%
  - Hispanic 23%
  - AfrAmer 5%
- Age
  - 0-14 27%
  - 15-34 25%
  - 35-64 37%
  - 65+ 11%

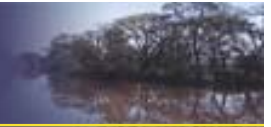


# ED Visits - Trend

Asthma ED Visit Rate by Gender and Year

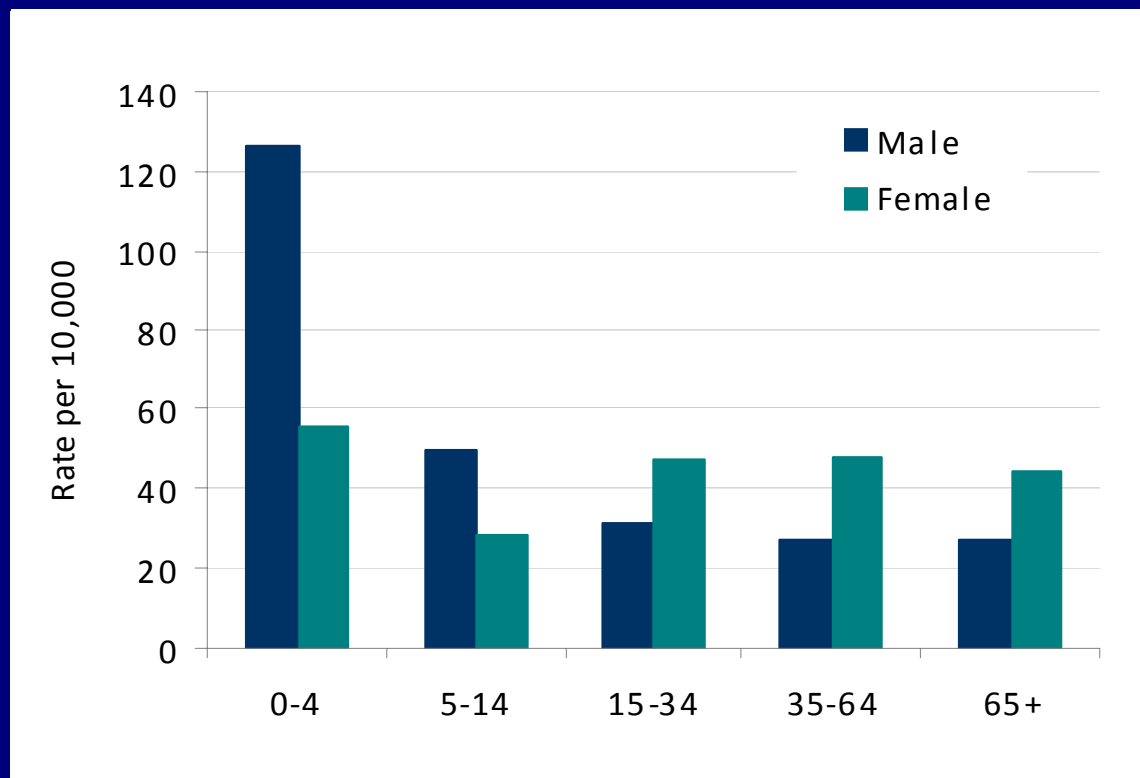


Source: Office of Statewide Health Planning and Development, Emergency Department Data 2005-2008

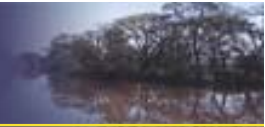


# ED Visits-Disparities

Asthma ED Visit Rate by Gender and Age

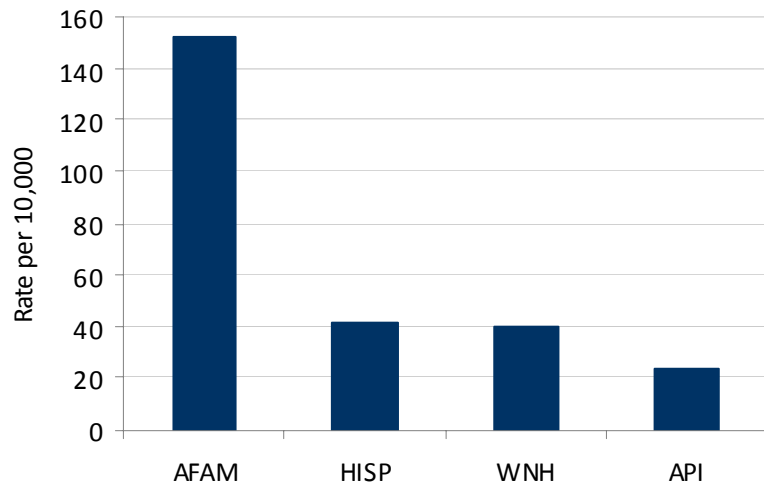


Source: Office of Statewide Health Planning and Development, Emergency Department Data 2005-2008



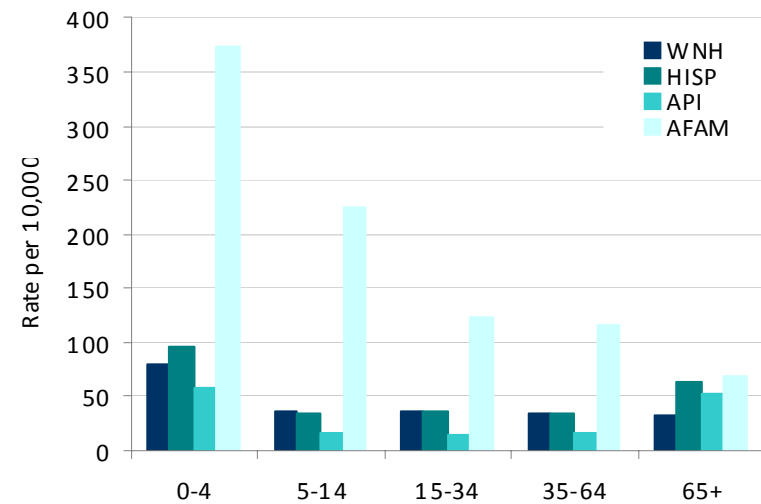
# ED Visits-Disparities

Asthma ED Visit Rate by Race/Ethnicity

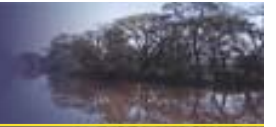


Source: Office of Statewide Health Planning and Development, Emergency Department Data 2005-2008

Asthma ED Visit Rate by Race/Ethnicity and Age



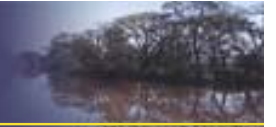
Source: Office of Statewide Health Planning and Development, Emergency Department Data 2005-2008



## ED Visits-by Payer Source

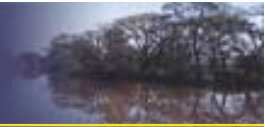
- Private coverage 38%
- Medi-Cal 32%
- Medicare 14%
- Other 17%





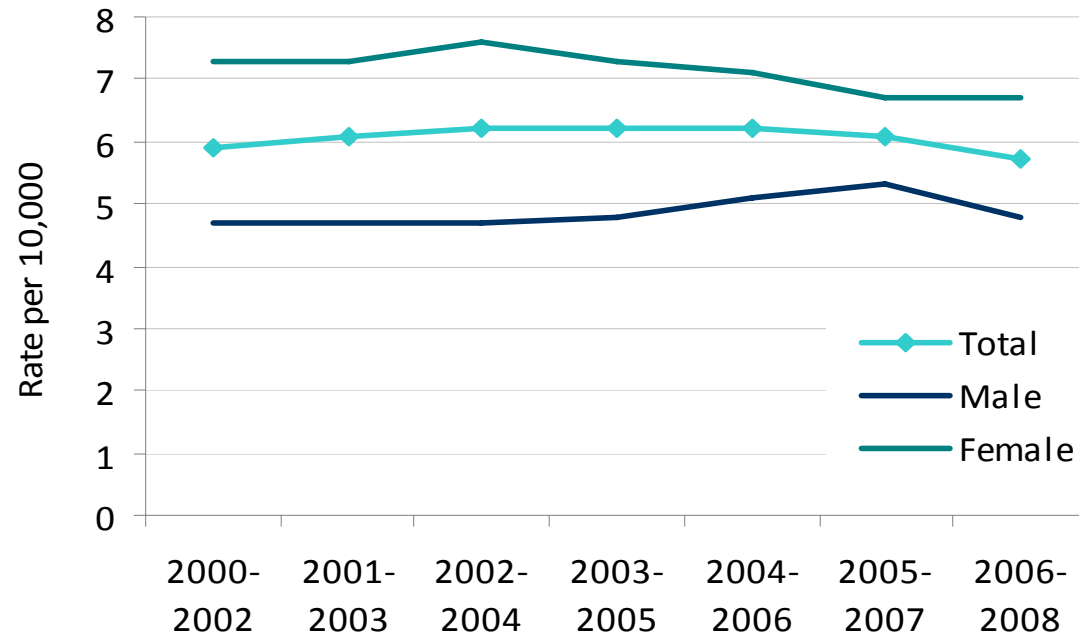
## 5. Hospitalizations

- ~280 per year (>80% from ED)
- Females 61%
- Race/ethnicity
  - WNH 74%
  - Hispanic 16%
- Age
  - 0-14 25%
  - 15-34 10%
  - 35-64 38%
  - 65+ 28%

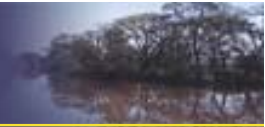


# Hospitalizations

Asthma Hospitalization Rate by Gender and Year

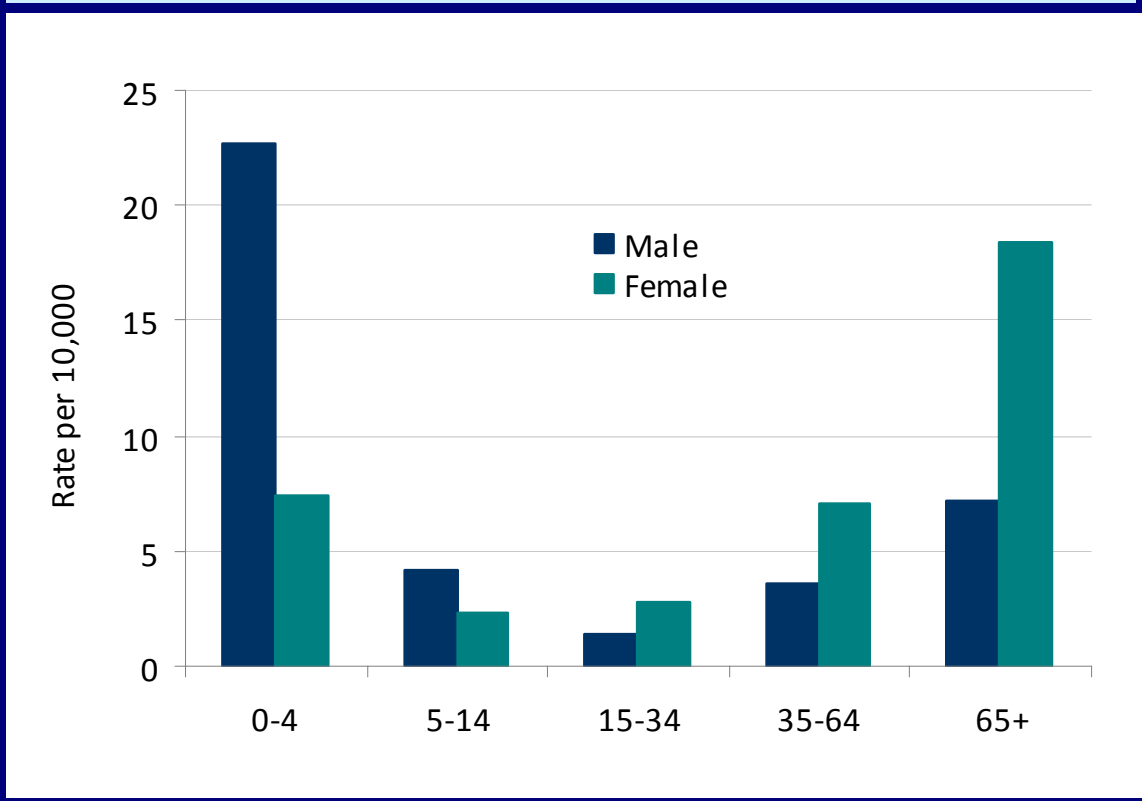


Source: Office of Statewide Health Planning and Development, Hospitalization Data 2000-2008

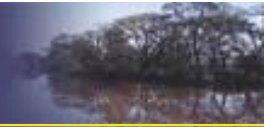


# Hospitalizations

Asthma Hospitalization Rate by Gender and Age



Source: Office of Statewide Health Planning and Development, Hospitalization Data 2000-2008



# Hospitalizations

Average Length of Stay and Average Charges-Asthma

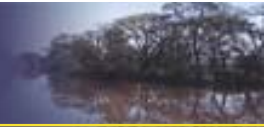
	Average charge per hospitalization	Average Length of Stay (Days)	Average charge per day
<18 yrs	\$7,499.03	1.93	\$3,885.51
18-64 yrs	\$16,493.57	3.16	\$5,219.48
65+ yrs	\$15,158.15	3.88	\$3,906.74
Total	\$13,787.48	3.04	\$4,535.35

Source: Office of Statewide Health Planning and Development, Hospitalization Data 2006-2008

Average Length of Stay and Average Charges-Diabetes

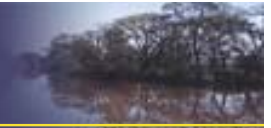
	Average charge per hospitalization	Average Length of Stay (Days)	Average charge per day
<18 yrs	\$8,091.47	2.67	\$3,030.51
18-64 yrs	\$29,742.79	5.92	\$5,024.12
65+ yrs	\$25,333.44	7.18	\$3,528.33
Total	\$26,633.20	6.04	\$4,409.47

Source: Office of Statewide Health Planning and Development, Hospitalization Data 2006-2008



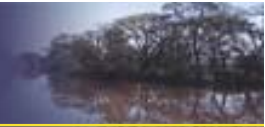
# Hospitalizations by Payer Source

- Private coverage 37%
- Medicare 31%
- Medi-Cal 21%
- Other 11%



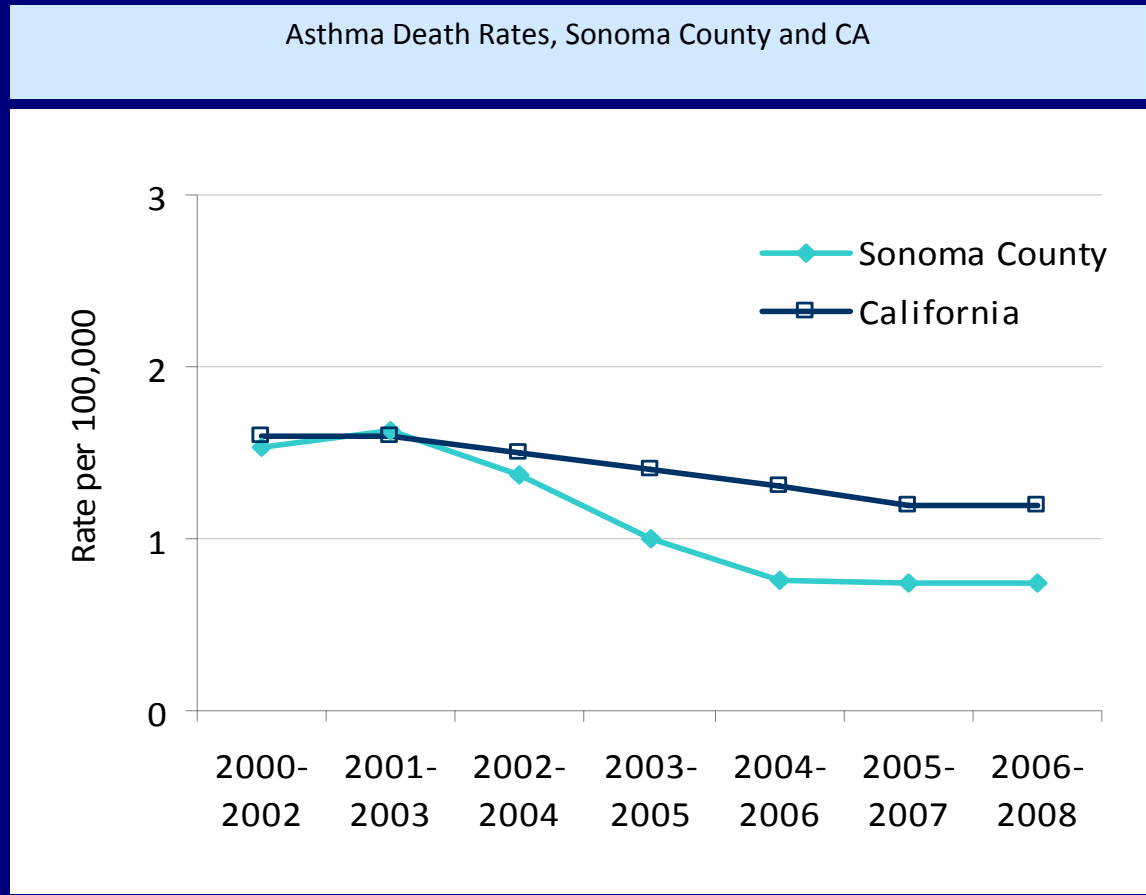
## 6. Mortality

- Average 4 per year (2006-2008)
- Females 75%
- 65+ >80%

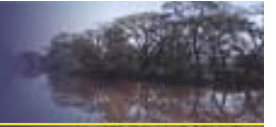


# Mortality

Asthma Death Rates, Sonoma County and CA



Source: California Dept of Public Health, Death Statistical Master Files, 2000-2008



# Asthma Surveillance Summary

- No change in asthma prevalence since 2001/2003
- ED rates are decreasing
  - Disparities by race, age, and gender
- Hospitalization rates are not changing
  - Disparities by race, age and gender
- Mortality rates are decreasing