

## Asthma in Baltimore City

- Baltimore City residents consistently have the highest asthma prevalence and asthma-related emergency department visit, hospitalization, and death rates (compared to Maryland residents as a whole during the time period 2000-2004)<sup>1</sup>.
- In 2004, the rate of emergency department visits due to asthma was almost three times higher among Baltimore City residents compared to Maryland residents. (192.1 per 10,000 vs. 65.4 per 10,000 population in 2004)<sup>1</sup>
- In 2006, 13% of adults in Baltimore City reported having been diagnosed with asthma during their lifetime<sup>2</sup>.
- 9% of adults in Baltimore city reported that they currently have asthma in 2005<sup>2</sup>.
- 24% of high-school students in Baltimore City reported having been diagnosed with asthma compared to 17% of students nationwide in 2005<sup>3</sup>.
- During 2000-2004, deaths due to asthma in Baltimore City accounted for 31% of all asthma deaths in Maryland (Baltimore City accounts for approximately 11% of the total Maryland population).
- In Maryland as a whole, “asthma and its complications continue to disproportionately affect the very young, the elderly, African-Americans, low-income individuals, and individuals in certain jurisdictions, particularly Baltimore City<sup>1</sup>.”

### For more information on Asthma:

Maryland’s Department of Health and Mental Hygiene website:

[http://www.fha.state.md.us/mch/asthma/html/data\\_surv.cfm](http://www.fha.state.md.us/mch/asthma/html/data_surv.cfm)

CDC’s Asthma and Youth page: <http://www.cdc.gov/healthyyouth/asthma/index.htm#1>

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<sup>1</sup> Family Health Administration, Maryland Department of Health and Mental Hygiene. Maryland Asthma Surveillance Report 2005 Online at: <http://www.fha.state.md.us/mch/asthma/pdf/AsthmaReport2005.pdf>

<sup>2</sup> Centers for Disease Control and Prevention (CDC). *Behavioral Risk Factor Surveillance System Survey Data*. Atlanta, Georgia: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention. Available at <http://apps.nccd.cdc.gov/brfss-smart/index.asp>. Accessed January 30, 2008.

<sup>3</sup> Centers for Disease Control. 2005 Youth Risk Behavior Survey. Available at <http://www.cdc.gov/HealthyYouth/yrbs/index.htm>. Accessed January 30, 2008.

The following two tables contain data from the Maryland Department of Health and Mental Hygiene's Maryland Asthma Surveillance Report 2005:

**Data from Table 9-1: Asthma Estimated Lifetime and Current Prevalence, 2002-2004, Three-year average. Emergency Department Visit and Hospitalization Rates, 2004. Average Mortality Rate 2000-2004.**

<i>Jurisdiction</i>	<i>Lifetime Prevalence 2002-2004 Weighted Percent (95% CI)</i>	<i>Current Prevalence 2002-2004 Weighted Percent (95% CI)</i>	<i>ED Visits 2004 (Rate per 10,000)</i>	<i>Hospitalizations 2004 (Rate per 10,000)</i>	<i>Mortality 2000-2004 (Rate per 1,000,000)</i>
<b>Baltimore City</b>	<b>13.0 (+/- 2.6)</b>	<b>8.8 (+/- 2.1)</b>	<b>192.1**</b>	<b>40.8**</b>	<b>41.3**</b>
Maryland	13.0 (+/- 0.7)	7.9 (+/- 0.6)	65.4	16.8	16.4

Lifetime and Current Prevalence data are from CDC's Behavioral Risk Factor Surveillance System. Percentages are weighted to the 2004 Maryland population.

Emergency Department and Hospitalization data from HSCRC (Health Services Cost Review Commission)

Mortality data from Maryland Vital Statistics Administration Five year average provided because of small numbers of deaths per year All rates are age adjusted to the 2000 U.S. estimated population

\*\*Rate significantly different from the State of Maryland rate ( $p < 0.05$ )

**Data from Table 9-2: Number of Residents with Lifetime History of Asthma and Current History of Asthma 2001-2003, Three-year Average), Total Number of Emergency Department Visits and Hospitalizations, 2003. Average Number of Deaths 1999-2003. Data are presented for Baltimore City as well as for Maryland.**

<i>Jurisdiction</i>	<i>Number of Residents Who Ever Had Asthma Ave. 2002-04</i>	<i>Number of Residents Who Currently Have Asthma Ave. 2002-04</i>	<i>Number of Emergency Department Visits 2004</i>	<i>Number of Hospitalizations 2004</i>	<i>Average Number of Deaths per Year 2000-2004</i>
<b>Baltimore City</b>	<b>63,121</b>	<b>42,532</b>	<b>12259</b>	<b>2606</b>	<b>26.4</b>
Maryland	531,531	324,812	36070*	9242*	85.8

Family Health Administration, Maryland Department of Health and Mental Hygiene. Maryland Asthma Surveillance Report 2005 Online at: <http://www.fha.state.md.us/mch/asthma/pdf/AsthmaReport2005.pdf>

# SMART: Selected Metropolitan/Micropolitan Area Risk Trends

## Compare Health Risk Data

### 2006 vs 2005 - Baltimore city, MD

#### Asthma: Adults who have ever been told they have asthma

Year:		Yes	No
2006	%	<b>13.3</b>	<b>86.7</b>
	CI	(9.7-16.8)	(83.1-90.2)
	n	69	457
2005	%	<b>17.5</b>	<b>82.3</b>
	CI	(13.6-21.5)	(78.4-86.3)
	n	104	551

% = Percentage, CI = Confidence Interval, n = Cell Size

Percentages are weighted to population characteristics.

N/A = Not available if the unweighted sample size for the denominator was <50 or the CI half width was >10 for any cell.

### 2006 vs 2005 - Baltimore city, MD

#### Asthma: Adults who have been told they currently have asthma

Year:		Yes	No
2006	%	<b>9.3</b>	<b>90.7</b>
	CI	(6.5-12.0)	(87.9-93.4)
	n	53	467
2005	%	<b>12.0</b>	<b>87.8</b>
	CI	(8.7-15.4)	(84.5-91.2)
	n	74	580

% = Percentage, CI = Confidence Interval, n = Cell Size

Percentages are weighted to population characteristics.

N/A = Not available if the unweighted sample size for the denominator was <50 or the CI half width was >10 for any cell.

Centers for Disease Control and Prevention (CDC). *Behavioral Risk Factor Surveillance System Survey Data*. Atlanta, Georgia: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention. Available at <http://apps.nccd.cdc.gov/brfss-smart/index.asp>. Accessed January 30, 2008.