



Monroe County

2009-2010 School Asthma Prevalence Survey Report

Monroe County (Suburban)

Districts	11 Districts (11/16= 69% response, excludes private & parochial)	
Schools	25 Schools (25/91= 27% response)	
Reported Enrollment (PK- 6 th):	9,690	
Reported # of Students with Asthma:	835	

Asthma Prevalence:	(835)	8.6%
% with Asthma Action Plans:	(136)	16%
% Medications in School:	(573)	69%

% Holding Chamber used with MDI:	(281)	55%
% Neb orders	(62)	7.4%

**Excluded: RCSD, BOCES, Private, Parochial*

***Not reporting: Churchville Chili, East Rochester, Fairport, Honeoye Falls Lima, Wheatland Chili*

Monroe County: City of Rochester

Districts	1 Districts	
Schools	36 Schools (36/40= 90% response, 4 excluded - incomplete)	
Reported Enrollment (PK- 6 th):	16,752	
Reported # of Students with Asthma:	2,632	

Asthma Prevalence:	(2,632)	15.7%
% with Asthma Action Plans:	(433)	16%
% Medications in School:	(1,247)	47%

% Holding Chamber used with MDI:	(672)	57%
% Neb orders	(75)	3%

**Excluded: BOCES, Private, Parochial*

Monroe County

RCAN School Health Surveys: Asthma Comparison 2001-2010

	2009-2010	2005-2006	2002-2003	2001-2002
Asthma Prevalence	8.6% (Suburban) 15.7% (Rochester)	10% (Suburban) 11% (Rochester)	NA 10.2%(Rochester)	6.9% 10.8%
Asthma Action Plans	16% (Suburban) 16%(Rochester)	19% 19%	NA	NA
Medications in Schools	69% (Suburban) 47%(Rochester)	56% 58%	46.8% *	NA
Chamber use with MDI	55% (Suburban) 57% (Rochester)	59% 59%	37.2%*	NA

*Combined data for both RCSD & Suburban

Monroe County Asthma Burden

	Ontario County	New York State	US	Healthy People 2010
Prevalence (0-17 yrs, RCAN School Survey)	8.6%- Suburban 15.7% - RCSD 13.1% - Combined	11%	9.1%	
Hospitalization (SPARCS data, 0-17 yrs, rate per 10,000)	11.1	29.7	18	17.3
ED visits (0-4 yrs, rate per 10,000)	59.7 (age adjusted, rate per 10,000)*	218.1	148.3	80.0
ED visits (5-64yrs)		81.6	57.4	50.0
Mortality (0-4 yrs)	8.4 (Age adjusted rate per 10,000)* (20 total, 2005-2007)	1.9	2.0	0.9
Mortality (5-14 yrs)		3.3	2.4	0.9

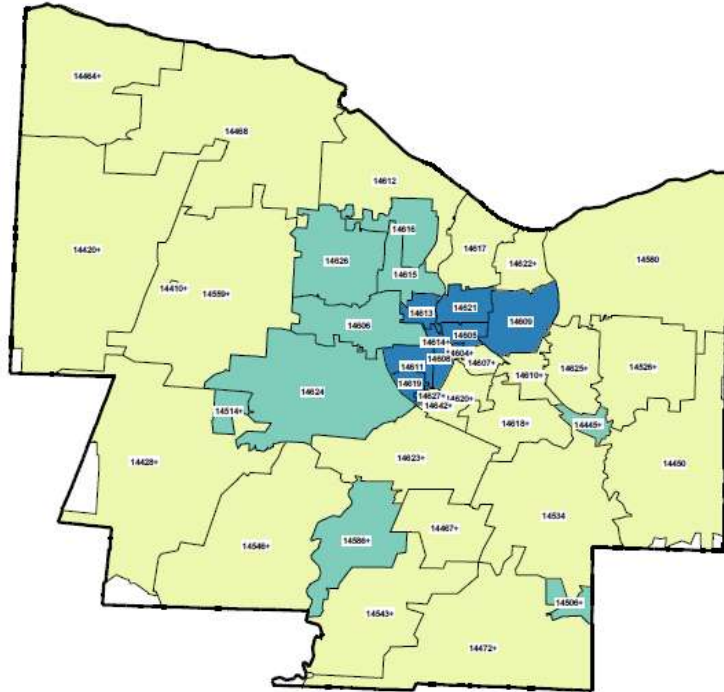
*NYS Asthma Surveillance Summary Report- October 2009

NEW YORK STATE ASTHMA HOSPITAL DISCHARGES
 RATES PER 10,000 POPULATION, AGE 0-17
 MONROE COUNTY RESIDENTS PER ZIP CODE, THREE YEAR AVERAGE 2005-2007

ASTHMA HOSPITAL DISCHARGE RATE

MONROE COUNTY - 12.4
 NEW YORK STATE - 29.6
 NEW YORK STATE (Excl NYC) - 15.8
 Quartile (Q) Distribution (Excl NYC)
 (Rates per 10,000 population)

- 0 - <8.86: Q1 & Q2
- 8.86 - <18.0: Q3
- 18.0 + : Q4



* LESS THAN OR EQUAL TO 10 HOSPITAL DISCHARGES, THEREFORE RATE MAY NOT BE STABLE (RSE>30%)

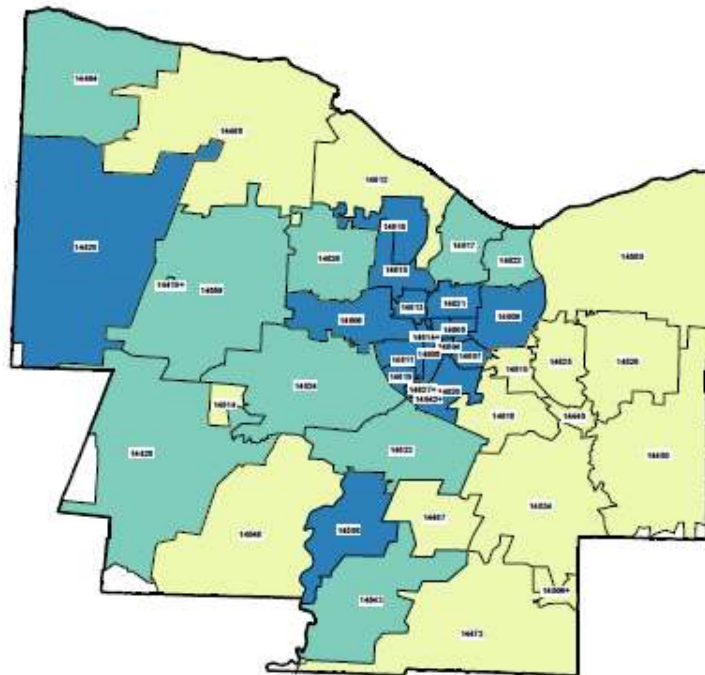
SOURCE: NYS HOSPITAL DISCHARGE DATA (SPARCS)
 Note: Blank areas are in adjacent counties

NEW YORK STATE ASTHMA EMERGENCY DEPARTMENT VISITS
 RATES PER 10,000 POPULATION, AGE 0-17
 MONROE COUNTY RESIDENTS PER ZIP CODE, 2005-2007

ASTHMA ED VISIT RATE

MONROE COUNTY - 101.6
 NEW YORK STATE - 141.7
 NEW YORK STATE (Excl NYC) - 75.6
 Quartile (Q) Distribution (Excl NYC)
 (Rates per 10,000 population)

- 0 - <52.9: Q1 & Q2
- 52.9 - <85.8: Q3
- 85.8 + : Q4



* LESS THAN OR EQUAL TO 10 VISITS, THEREFORE RATE MAY NOT BE STABLE (RSE>30%)

SOURCE: NYS EMERGENCY DEPARTMENT DATA (SPARCS)
 Note: Blank areas are in adjacent counties