

Maine Child Health Survey—Kindergarten Northeast Regional Report—2002

Bureau of Health, Maine Department of Health and Human Services

The Maine Child Health Survey (MCHS) provides an opportunity to gain critical information about the health and well-being of Maine's children.

The MCHS will be used as a basis for child health surveillance in Maine.

The MCHS is designed to answer three main questions.

1. What is the prevalence of the differing health conditions?
2. How are the differing health conditions distributed throughout the State?
3. What risk factors are associated with the differing health conditions measured?

Results or Findings:

- Less than five kindergartners surveyed in the Northeast have current asthma; therefore, no rate computed. The Statewide rate for current asthma is 8.4%.
- 11.1% of kindergartners in Northeast Maine report wheezing/respiratory symptoms with no diagnosed asthma.
- Less than five kindergartners surveyed in the Northeast have a special health need; therefore, no rate computed. The Statewide rate for children with a special health need is 15.4%.
- Almost 45% of kindergartners in the Northeast Region are exposed to environmental tobacco smoke (ETS).
- The estimated rate of children who are at a normal or expected weight in the Northeast (43%) is lower than the Statewide rate (60%).
- 2% of kindergartners in Northeast Maine are underweight.
- 36% of kindergartners in Northeast Maine are at risk for overweight. This is higher than the Statewide rate of 21%.
- 19% of kindergartners in Northeast Maine are overweight. This is similar to the Statewide rate of 15%.

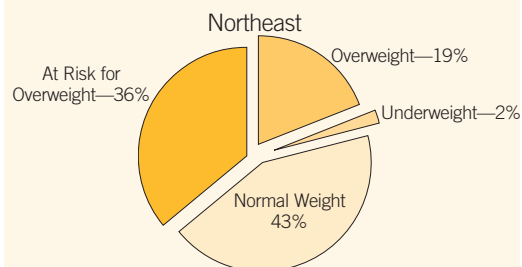
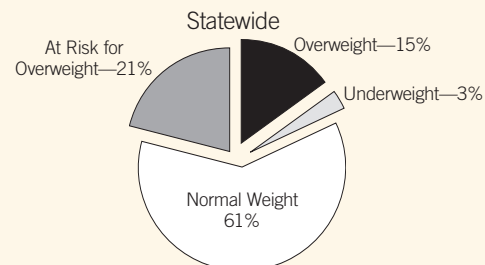
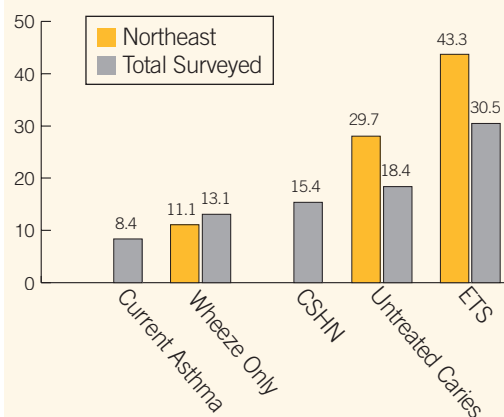


Table 1. Prevalence (95% Confidence Intervals) of health outcomes and risk factors among Northeast Maine and Statewide kindergartners, 2002.

	Northeast Region N = 58		Total Surveyed N = 913	
	% (#)	95% CI	% (#)	95% CI
Current Asthma	*		8.4 (73)	4.8 – 12.0
Lifetime Asthma	*		10.0 (96)	6.4 – 13.6
Wheeze Only	11.1 (7)	0.3 – 21.9	13.1 (89)	6.0 – 20.2
Children w/Special Health Needs	*		15.4 (140)	11.6 – 19.2
Untreated Caries	29.7 (16)	6.5 – 52.9	18.4 (176)	14.4 – 22.4
Environmental Tobacco Smoke Exposure	43.3 (22)	26.8 – 60.0	30.5 (309)	25.1 – 35.9

* Indicates 5 or fewer responses; therefore, not reported due to confidentiality.

Note: The percent reported in Table 1 is the best estimate of the prevalence of each health condition among the kindergartners surveyed in Maine public schools. However, this percent is just an estimate. Confidence intervals are similar to “margins of error” in political polling.

Methods:

Maine currently collects data for elementary school children through the Maine Child Health Survey (MCHS). The data reported within this report refers to the first Statewide MCHS conducted with kindergartners in 2002. The MCHS is conducted in public schools at the kindergarten, third, and fifth grade levels every other year. Schools are randomly sampled within six geographic regions in Maine on a probability proportional to the enrollment in the school. All children in appropriate grades at the selected schools are invited to participate. The MCHS provides regional- and State-level estimates of multiple health outcomes through responses on questionnaires and physical measurements including height/weight and a dental screen.

Limitations:

A limitation of the first Statewide MCHS is the response rate. An overall response rate of 60% is the most widely accepted level for generalizing survey results to a population. Since our overall response Statewide for this survey was about 40%, we are limited in our ability to say with any real certainty that these results broadly reflect the kindergarten population in Maine. The Northeast Region had a school participation rate of 33% and a student participation rate of 54% for an overall response rate of 18%, which is lower than the accepted level of 60%. Therefore, the results for the Northeast Region reflect only the kindergartners surveyed.

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For more information on the Maine Child Health Survey or for a copy of the complete report, please contact:

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 For a pdf copy of the full report: www.mainepublichealth.gov

