

# Childhood Overweight and Obesity

Manchester, MI

2017



Washtenaw County  
Health Department

**27% of children in Manchester, ages 2-17 years, were overweight or obese in 2017. <sup>i, ii</sup>**

A child is overweight when he or she has a body mass index (BMI) that is greater than 85<sup>th</sup> percentile of children his or her own age. A child is classified as obese when he or she has a BMI greater than 95<sup>th</sup> percentile of other children. Childhood overweight and obesity is a significant health issue in the United States. Being overweight in childhood puts individuals at risk of obesity and other chronic diseases in adulthood.

Rate of overweight and obesity in Manchester Children, ages 2-17 yrs (2013 and 2017)		
Demographic Group	2013	2017
Total number of children	420	757
	<b>% overweight or obese</b>	
<b>Sex</b>		
Female	25%	28%
Male	27%	29%
<b>Age group</b>		
2 to 4 yrs*	20%	26%
5 to 7 yrs	17%	25%
8 to 10 yrs	24%	22%
11 to 13 yrs	36%	28%
14 to 17 yrs	30%	35%
<b>Race and Ethnicity</b>		
White (non-Hispanic)	26%	28%
Black or African American (non-Hispanic)	***	***
Asian (non-Hispanic)	***	***
Other	***	***
Hispanic (all races)	***	***
<b>Health Insurance</b>		
Private	26%	27%
Medicaid	25%	37%
<b>Manchester Overall</b>	<b>25%</b>	<b>27%</b>
<b>Data Source:</b> Washtenaw Child BMI Dataset (2013 and 2017). <sup>iii</sup>		
*** Due to the small number of children for this group in Manchester, overweight rates cannot be calculated.		
Changes are not statistically significant at this time, but may reflect trends.		

**This report describes the weight status of children living in Manchester (zip codes: 48158).**

Analysis focused on the children who are currently overweight or obese. Factors known to affect the risk of childhood obesity were examined including poverty, minority racial or ethnic status, and age group.

### Highlights from 2017 in Manchester

- Overall rates of overweight and obesity increased to 27% in 2017. This is higher than the rate in Washtenaw County overall in 2017 (26%).
- In 2013, there was no difference in overweight and obesity rates for children with Medicaid health insurance coverage compared to children with private health insurance. However, overweight and obesity rates increased from 25% in 2013 to 37% in 2017 for children with Medicaid.

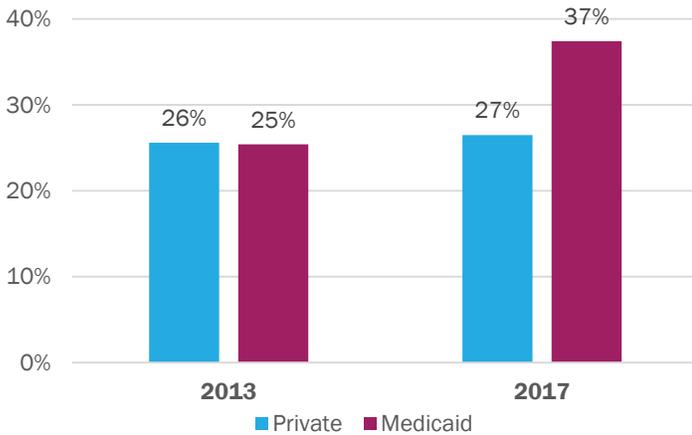
<sup>i</sup> **Body Mass Index (BMI)** is a measure of body fat based on height and weight. BMI in children is interpreted using age and sex, and a percentile is assigned using standardized CDC growth curves. In children, overweight is defined by having a BMI greater than 85<sup>th</sup> percentile. Obesity is defined as a BMI greater than 95<sup>th</sup> percentile.

<sup>ii</sup> In order to account for differences in proportions of different age groups in each community, these data have been age-adjusted by taking the average of rates of five age groups indicated in the table.

<sup>iii</sup> **St. Joseph Mercy Health System** and the **Michigan Medicine** contributed electronic health records of Washtenaw County children who had their height and weight measured in 2013 through 2017. Washtenaw County Health Department created the Washtenaw Child BMI Dataset and performed the analysis for this report.

## Overweight and obesity increase for Manchester children living in poverty

Overweight and Obesity by Health Insurance  
2-17 year olds in Manchester (2013,2017)



Medicaid coverage is an indicator of poverty, and poverty is a known cause of obesity disparities.

- Medicaid coverage did not appear to make a difference in overweight rates in Manchester in 2013.
- In 2017, 15% of Manchester children in the dataset were covered by Medicaid.
- For children with Medicaid health insurance coverage, overweight and obesity rates increased from 25% to 37%.

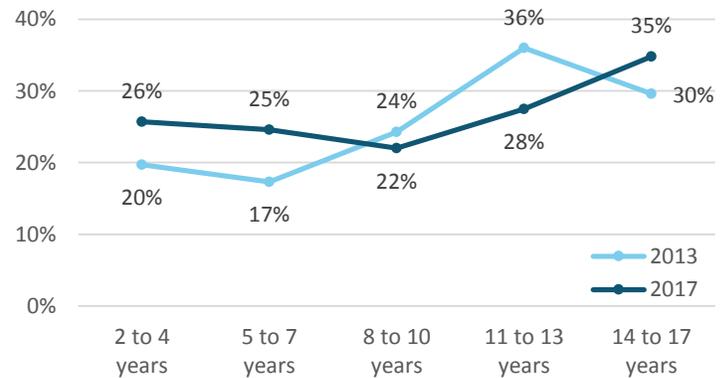
Data Source: Washtenaw Child BMI Dataset (2013, 2017)<sup>iii</sup>

## Overweight and obesity rates increase as children age

As children get older, their rates of overweight and obesity increase.

- **Improvement Opportunity:** Children ages 2 to 7 years old and teens in Manchester had higher overweight and obesity rates in 2017 compared to 2013.
- 8 to 13 year olds in Manchester had slightly lower rates of overweight and obesity in 2017.

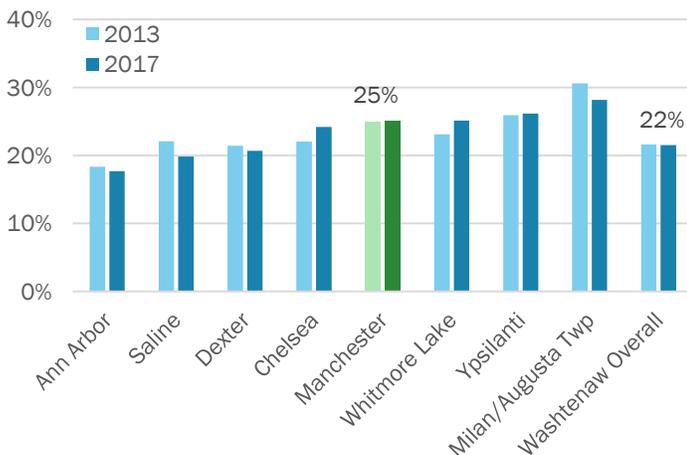
Overweight and Obesity by Age  
2-17 year olds in Manchester (2013, 2017)



Data Sources: Washtenaw Child BMI Dataset (2013, 2017)<sup>iii</sup>

## Where a child lives can affect risk of being overweight

Overweight and Obesity by Place  
White Children 2-17 yrs with Private Health Insurance (2013, 2017)



Growing up in poverty and belonging to a minority racial group are factors that increase risk of being overweight. Even if those factors are removed in order to look at the children who should have the lowest risk, the area where a child lives can increase or decrease the risk of being overweight or obese <sup>ii</sup>.

- Factors of the community such as walkability and access to grocery stores and safe parks and recreational areas can affect risk of being overweight.

Data Source: Washtenaw Child BMI Dataset (2013, 2017)<sup>ii, iii</sup>