

Childhood BMI Classification

White Children in Washtenaw County, MI

2017

N=22,805; children aged 2-17 years (2017).

Demographic Group	% underweight (<5 th percentile)	% healthy weight (5 th -85 th percentile)	% overweight (85 th -95 th percentile)	% obese (>95 th percentile)
Females	3.7%	73.2%	14.0%	9.1%
2 to 4 yrs	5.9%	74.9%	11.8%	7.4%
5 to 7 yrs	4.5%	75.7%	11.9%	7.8%
8 to 10 yrs	4.3%	73.4%	12.9%	9.5%
11 to 13 yrs	3.6%	71.4%	15.2%	9.8%
14 to 17 yrs	1.6%	71.5%	16.7%	10.3%
Males	4.1%	72.3%	12.6%	11.0%
2 to 4 yrs	5.7%	76.9%	11.0%	6.3%
5 to 7 yrs	3.8%	78.3%	10.6%	7.3%
8 to 10 yrs	3.5%	72.9%	12.5%	11.1%
11 to 13 yrs	4.4%	67.1%	15.5%	12.9%
14 to 17 yrs	3.3%	68.1%	13.1%	15.5%
Private Health Insurance	4.0%	74.5%	12.8%	8.7%
2 to 4 yrs	5.9%	76.9%	11.1%	6.10%
5 to 7 yrs	4.1%	78.9%	10.5%	6.40%
8 to 10 yrs	4.1%	75.1%	12.4%	8.30%
11 to 13 yrs	4.1%	71.2%	14.7%	10.10%
14 to 17 yrs	2.6%	72.1%	14.1%	11.20%
Medicaid Health Insurance	3.5%	60.9%	16.4%	19.2%
2 to 4 yrs	5.9%	70.8%	12.4%	10.80%
5 to 7 yrs	4.2%	66.8%	15.0%	13.90%
8 to 10 yrs	2.3%	61.0%	14.0%	22.70%
11 to 13 yrs	3.5%	53.5%	21.2%	21.90%
14 to 17 yrs	1.7%	51.3%	19.7%	27.30%
White or Caucasian (non-Latino) Children Overall	3.9%	72.7%	13.3%	10.1%

Data Source: Washtenaw Child BMI Dataset (2017) - 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 2017. Washtenaw County Health Department created the Washtenaw Child BMI Dataset and performed the analysis for this report.

Body Mass Index (BMI) - a measure of body fat based on height and weight. BMI is calculated the same way for children as it is for adults ($BMI = kg/m^2 = lb*703/in^2$); however, the criteria used to interpret the meaning of the number for children is different, taking both age and gender into account and assigning a percentile using CDC growth curves.

For citation and contact information, please visit washtenaw.org/hip.

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