Appendix E-2.24: Prevalence of high and borderline high blood pressure (BP), children and adolescents, Ages 8-17 years, NHANES 2009-2012

	Sample Size	High BP	Borderline high BP[1]
		% (standard error)	% (standard error)
Total	3361	1.7(0.2)	8.3(0.7)
Boys	1720	1.7(0.4)	12.0(1.3)
Girls	1641	1.6(0.2)	4.6(0.8)
Age (years)			
8 to 12	1808	1.8(0.4)	3.8(0.7)
13-17	1553	1.5(0.4)	12.4(1.1)
Race/Hispanic Origin[2]			
NH white	936	1.4(0.3)	7.2(0.9)
NH black	836	2.3(0.5)	12.1(1.3)
Hispanic	1179	1.8(0.6)*	8.5(1.4)
Body Mass Index (BMI)[3]			
5th-84th percentile	2016	1.4(0.3)	5.4(0.8)
85th-94th percentile	545	**	10.9(1.6)
≥95th percentile	704	1.8(0.6)*	16.2(1.8)
Race-Hispanic Origin by Sex			
Boys			
NH white	478	**	10.8(1.8)
NH black	417	2.5(0.7)	16.6(2.0)
Hispanic	614	**	12.7(2.3)
Girls			
NH white	458	1.8(0.4)	3.8(1.1)
NH black	419	**	7.5(1.6)
Hispanic	565	1.5(0.6)*	4.3(1.0)
BMI by Sex			
Boys			
5th-84th percentile	1021	1.8(0.5)	8.6(1.5)
85th-94th percentile	267	**	16.3(2.8)
≥95th percentile	376	1.8(0.6)*	20.1(3.0)
Girls			
5th-84th percentile	995	1.0(0.3)	2.4(0.8)*
85th-94th percentile	278	**	5.3(1.2)
≥95th percentile	328	**	12.0(2.7)

1- Borderline high BP defined as a systolic or diastolic BP ≥90th percentile but <95th percentile or BP levels ≥120/80 mm Hg. High BP defined as a systolic or diastolic BP ≥95th percentile. Definitions based on the Fourth Report on the Diagnosis, Evaluation, and Treatment of High Blood Pressure in Children and Adolescent. Estimates are based on the average of up to 3 measurements.

2- Race-Hispanic origin classified as "other" not separately reported by included in overall estimates

3- Body mass index (BMI) was calculated as weight in kilograms divided by height in meters squared, rounded to one decimal place. BMI percentiles based on the 2000 CDC Growth Charts

NOTE: Analyses based on age at exam and exclude pregnant adolescents

* Relative standard error (RSE)≥30 but < 40; ** RSE≥40

DATA SOURCE: National Health and Nutrition Examination Survey (NHANES) 2009-2012.

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