

Appendix E-2.23: Low density lipoprotein cholesterol (LDL-C) and triglycerides among adolescents ages 12-19 yrs, NHANES 2009 -2012

	<i>Sample Size</i>	<i>Triglycerides ≥ 130 mg/dL¹</i>	<i>LDL-C ≥ 130 mg/dL^{1,2}</i>
		<i>% (standard error)</i>	<i>% (standard error)</i>
Total	1065	10.9(1.0)	7.3(1.0)
Boys	557	13.4(1.8)	7.1(1.3)
Girls	508	8.4(2.0)	7.4(1.4)
Age (years)			
12 to 15	528	9.0(1.2)	5.7(1.4)
16 to 19	537	13.0(1.8)	8.9(1.4)
Race-Hispanic Origin³			
Non-Hispanic white	308	10.3(1.6)	7.8(1.6)
Non-Hispanic black	273	5.8(1.4)	8.7(1.5)
Hispanic	360	16.1(2.4)	4.4(1.3)
Body Mass Index (BMI)⁴			
5th-84 th percentile	630	6.5(1.2)	6.7(1.4)
85th-94 th percentile	183	11.4(2.7)	8.0(2.1)
$\geq 95^{\text{th}}$ percentile	201	24.1(3.4)	6.8(1.8)
Race-Hispanic Origin by Sex			
Boys--Non-Hispanic white	165	12.0(2.4)	7.6(2.0)
Boys--Non-Hispanic black	144	8.4(2.1)	7.5(2.7)*
Boys--Hispanic	181	19.4(3.4)	4.7(1.5)*
Girls--Non-Hispanic white	143	8.5(3.3)*	8.0(2.2)
Girls-Non-Hispanic black	129	3.3(1.2)*	9.9(2.7)
Girls-Hispanic	179	12.7(2.7)	4.2(1.6)*
Weight Status by Sex			
Boys-5th-84 th percentile	326	5.8(1.4)	6.1(2.0)*
Boys-85th-94 th percentile	89	11.6(2.9)	7.5(2.7)*
Boys- $\geq 95^{\text{th}}$ percentile	115	38.6(5.0)	8.8(3.0)*
Girls-5th-84 th percentile	304	7.2(2.5)*	7.3(1.8)
Girls-85th-94 th percentile	94	11.2(4.4)*	**
Girls- $\geq 95^{\text{th}}$ percentile	86	7.9(2.4)	4.6(1.8)*

¹ Cut-point criteria based on Integrated Guidelines for Cardiovascular Health and Risk Reduction in Children and Adolescents

² LDL-C calculated using the Friedewald equation (which is valid when triglyceride <400 mg/dL)

³ Race-Hispanic origin classified as "other" not separately reported by included in overall estimates

⁴ 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. BMI classified as <5th percentile not separately reported but included in overall estimates

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

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

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

Prepared by the Division of Health and Nutrition Examination Surveys, National Center for Health Statistics, Centers for Disease Control and Prevention, U.S. Department of Health and Human Services.