**Appendix E-2.22: Total cholesterol (TC), high density lipoprotein cholesterol (HDL-C), and non-HDL-C, children ages 6-19 yrs, NHANES 2009-2012**

| | Sample Size | TC≥ 200 mg/dL [1] | HDL-C<40 mg/dL [1] | Non-HDL-C ≥145 mg/dL [1] |
|---|---|---|---|---|
| | | %( standard error) | %( standard error) | %( standard error) |
| **Total** | 4208 | 8.0(0.7) | 13.4(0.8) | 9.3(0.8) |
| **Sex** | | | | |
| Boys | 2180 | 7.0(0.8) | 15.1(0.8) | 9.1(0.8) |
| Girls | 2028 | 9.0(1.0) | 11.5(1.2) | 9.4(1.1) |
| **Age (years)** | | | | |
| 6 to 8 | 925 | 6.3(1.0) | 9.8(1.1) | 6.1(1.1) |
| 9 to 11 | 1004 | 8.3(1.0) | 10.1(1.4) | 8.8(0.9) |
| 12 to 15 | 1125 | 7.0(1.1) | 12.2(1.2) | 7.5(1.3) |
| 16 to 19 | 1154 | 9.8(1.2) | 18.9(1.5) | 13.3(1.4) |
| **Race/Hispanic Origin[2]** | | | | |
| Non-Hispanic white | 1142 | 8.0(1.1) | 13.8(1.1) | 9.1(1.3) |
| Non-Hispanic black | 1050 | 8.7(0.9) | 8.4(1.1) | 8.6(0.7) |
| Hispanic | 1532 | 7.2(0.7) | 16.2(1.1) | 10.4(0.7) |
| **Body mass index (BMI)[3]** | | | | |
| 5th-84th percentile | 2497 | 6.9(0.7) | 7.7(0.6) | 6.8(0.8) |
| 85th-94th percentile | 670 | 7.1(1.2) | 16.4(2.3) | 9.2(1.4) |
| ≥95th percentile | 876 | 11.3(1.5) | 30.5(2.5) | 18.0(1.9) |
| **Race/Hispanic Origin by Sex** | | | | |
| **Boys** | | | | |
| Non-Hispanic white | 607 | 6.2(1.2) | 14.6(1.1) | 8.4(1.3) |
| Non-Hispanic black | 521 | 9.1(1.7) | 9.8(1.5) | 9.5(1.5) |
| Hispanic | 804 | 7.1(1.0) | 19.7(1.8) | 11.1(1.1) |
| **Girls** | | | | |
| Non-Hispanic white | 535 | 10.0(1.7) | 12.9(2.1) | 9.8(1.7) |
| Non-Hispanic black | 529 | 8.3(1.2) | 6.9(1.1) | 7.7(1.0) |
| Hispanic | 728 | 7.4(1.0) | 12.5(0.9) | 9.6(1.1) |
| **Weight Status by Sex** | | | | |
| **Boys** | | | | |
| 5th-84th percentile | 1287 | 5.1(0.7) | 8.8(1.1) | 5.8(0.9) |
| 85th-94th percentile | 335 | 5.3(1.4) | 16.9(3.2) | 7.5(1.4) |
| ≥95th percentile | 469 | 13.2(2.4) | 35.1(2.6) | 21.6(3.1) |
| **Girls** | | | | |
| 5th-84th percentile | 1210 | 8.7(1.1) | 6.5(0.9) | 7.8(1.3) |
| 85th-94th percentile | 335 | 9.1(2.1) | 15.8(2.6) | 10.9(2.2) |
| ≥95th percentile | 407 | 9.1(1.9) | 25.5(3.7) | 14.1(2.2) |

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

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.

**Appendix E-2.22: Total cholesterol (TC), high density lipoprotein cholesterol (HDL-C), and non-HDL-C, children ages 6-19 yrs, NHANES 2009-2012, continued**

BMI percentiles based on 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.

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