

Supplementary Online Content

Ogden CL, Carroll MD, Kit BK, Flegal KM. Prevalence of obesity and trends in body mass index among US children and adolescents, 1999-2010. *JAMA*. 2012;307(5):doi:10.1001/jama.2012.40.

eTable 1. Sample sizes and weighted percent distribution by age group within race ethnicity and sex, NHANES 2009-2010

eTable 2. Odds of high weight for recumbent length, 1999-2010

eTable 3. Prevalence of high weight for recumbent length, US infants and toddlers, birth to 2 years of age, 2009-2010, based on WHO growth standards

eFigure 1. Distribution of body mass index 1999-2000 and 2009-2010, by sex, 2-5 years

eFigure 2. Distribution of body mass index 1999-2000 and 2009-2010, by sex, 6-11 years

eFigure 3. Distribution of body mass index 1999-2000 and 2009-2010, by sex, 12-19 years

This supplementary material has been provided by the authors to give readers additional information about their work.

eTable 1. Sample sizes and weighted percent distribution by age group^a within race ethnicity and sex, NHANES^b 2009-2010

| | All^c | | Non Hispanic white | | Non Hispanic black | | Hispanic^d | | Mexican American | |
|----------------------------|------------------------|----------------|---------------------------|----------------|---------------------------|----------------|-----------------------------|----------------|-------------------------|----------------|
| Both sexes | n | Percent | n | Percent | n | Percent | n | Percent | n | Percent |
| Birth-19 years | 4111 | 100 | 1376 | 100 | 792 | 100 | 1660 | 100 | 1178 | 100 |
| Birth - <2 years | 703 | 10.1 | 234 | 9.5 | 110 | 9.8 | 322 | 12.6 | 232 | 12.8 |
| 2-5 years | 903 | 19.9 | 318 | 18.5 | 160 | 19.0 | 348 | 22.4 | 244 | 21.6 |
| 6-11 years | 1213 | 29.8 | 392 | 29.7 | 239 | 29.5 | 499 | 30.0 | 354 | 30.1 |
| 12-19 years | 1292 | 40.3 | 432 | 42.3 | 283 | 41.7 | 491 | 35.1 | 348 | 35.5 |
| Male | | | | | | | | | | |
| Birth-19 years | 2123 | 100 | 718 | 100 | 399 | 100 | 865 | 100 | 613 | 100 |
| Birth - <2 years | 346 | 9.9 | 118 | 9.1 | 51 | 9.5 | 160 | 12.7 | 114 | 12.8 |
| 2-5 years | 471 | 20.1 | 164 | 19.0 | 91 | 20.5 | 181 | 22.2 | 124 | 21.2 |
| 6-11 years | 621 | 30.0 | 201 | 30.0 | 108 | 28 | 265 | 29.8 | 190 | 30.5 |
| 12-19 years | 685 | 40.0 | 235 | 41.9 | 149 | 42 | 259 | 35.2 | 185 | 35.5 |
| Girls | | | | | | | | | | |
| Birth-19 years | 1988 | 100 | 658 | 100 | 393 | 100 | 795 | 100 | 565 | 100 |
| Birth - <2 years | 357 | 10.3 | 116 | 9.9 | 59 | 10.1 | 162 | 12.4 | 118 | 12.9 |
| 2-5 years | 432 | 19.6 | 154 | 17.9 | 69 | 17.4 | 167 | 22.5 | 120 | 22.1 |
| 6-11 years | 592 | 29.5 | 191 | 29.4 | 131 | 31.1 | 234 | 30.1 | 164 | 29.7 |
| 12-19 years | 607 | 40.6 | 197 | 42.7 | 134 | 41.4 | 232 | 35.0 | 163 | 35.4 |

^aAge at time of examination.

^bNational Health and Nutrition Examination Survey. All data except sample sizes are weighted.

^cIncludes racial/ethnic groups not shown separately.

^dIncludes Mexican Americans.

eTable 2. Odds of high weight for recumbent length, 1999-2010^a

| | | Odds Ratio | Odds ratio, 95% CI | |
|---------------------------------------|--------------------|------------|--------------------|------|
| Sex | | | LL | UL |
| | Boys | 1.23 | 0.99 | 1.52 |
| | Girls | Reference | | |
| Race/ethnicity | Non-Hispanic white | Reference | | |
| | Non-Hispanic black | 1.36 | 0.99 | 1.88 |
| | Mexican American | 1.67 | 1.29 | 2.15 |
| Per 2-year Survey Period ^b | | 1.00 | 0.93 | 1.08 |

^a>=95th percentile of sex and age specific weight-for-recumbent length on the CDC growth charts; data come from the National Health and Nutrition Examination Survey and are weighted.

^bSurvey period treated as a continuous variable.

eTable 3. Prevalence of high weight for recumbent length, US infants and toddlers, birth to 2 years of age, 2009-2010, based on WHO growth standards^{a,b}

| | | % (95% CI) |
|------------------------|-----------------------------|-------------------|
| All^c | | 8.6 (6.2-11.8) |
| Sex | | |
| | Boys | 9.6 (5.8-15.4) |
| | Girls | 7.5 (4.3-12.7) |
| Race/ethnicity | | |
| | Non-Hispanic white | 7.7 (4.3-13.3) |
| | Non-Hispanic black | 7.3 (3.6-14.5) |
| | Hispanic^d | 12.3 (8.2-18.0) |
| | Mexican American | 14.0 (9.1-21.0) |

^aHigh indicates ≥ 97.7 th percentile of the WHO 2006 growth standards.

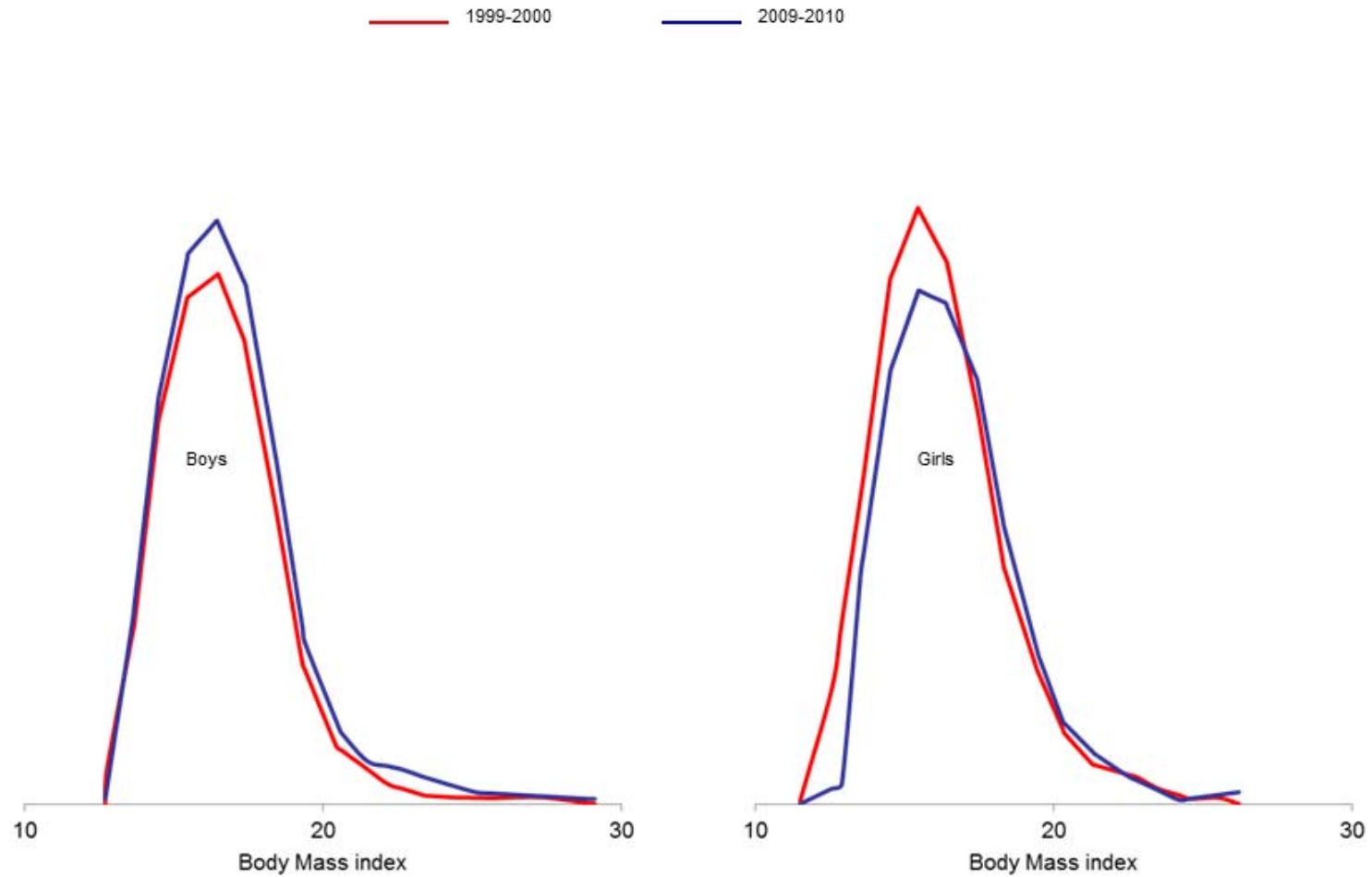
^bData from the National Health and Nutrition Examination Survey and are weighted.

^cIncludes racial/ethnic groups not shown separately.

^dIncludes Mexican Americans.

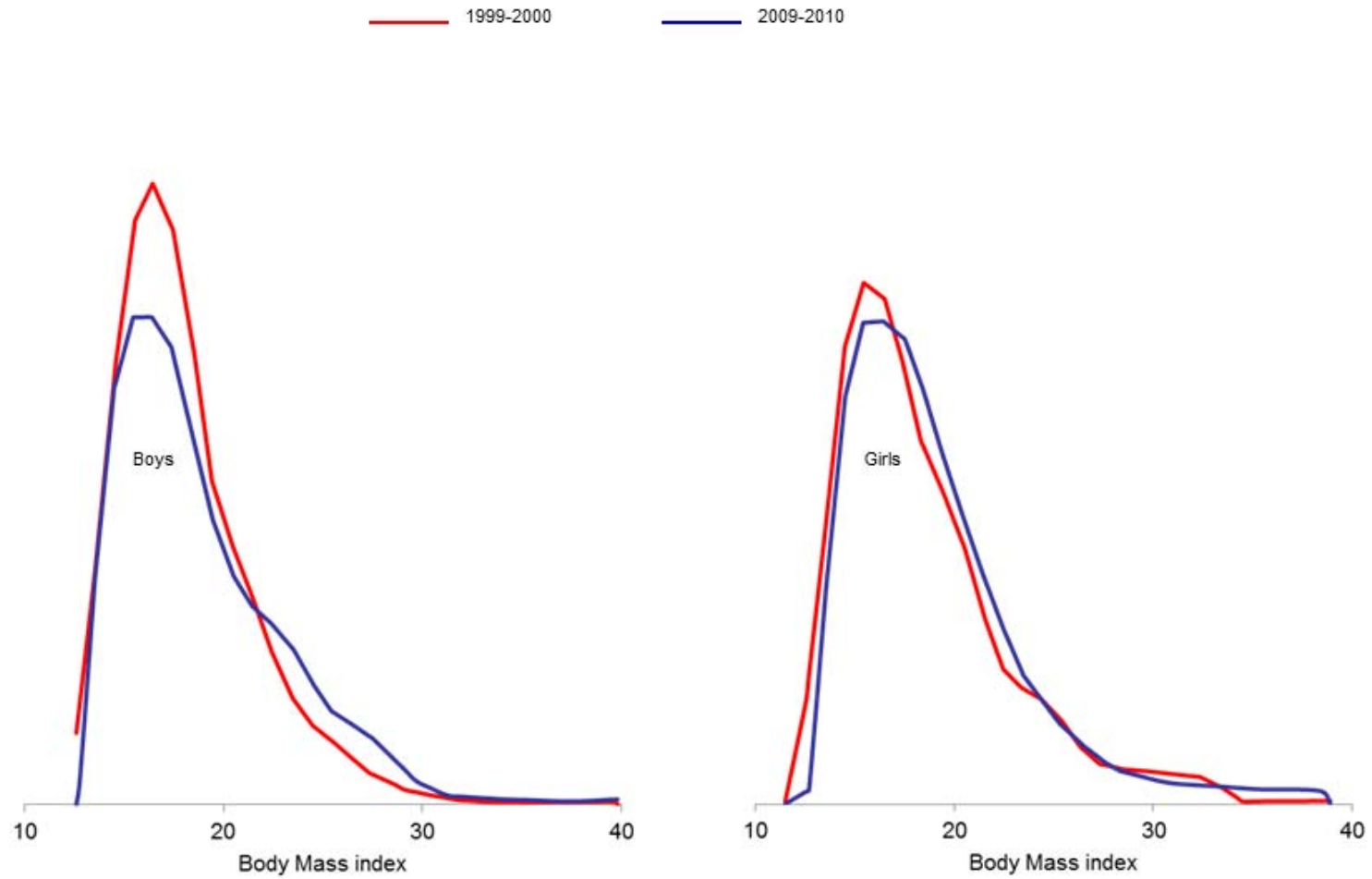
NOTE: Confidence intervals (CI) were constructed using the logit transformations.

eFigure 1. Distribution of body mass index 1999-2000 and 2009-2010, by sex, 2-5 years



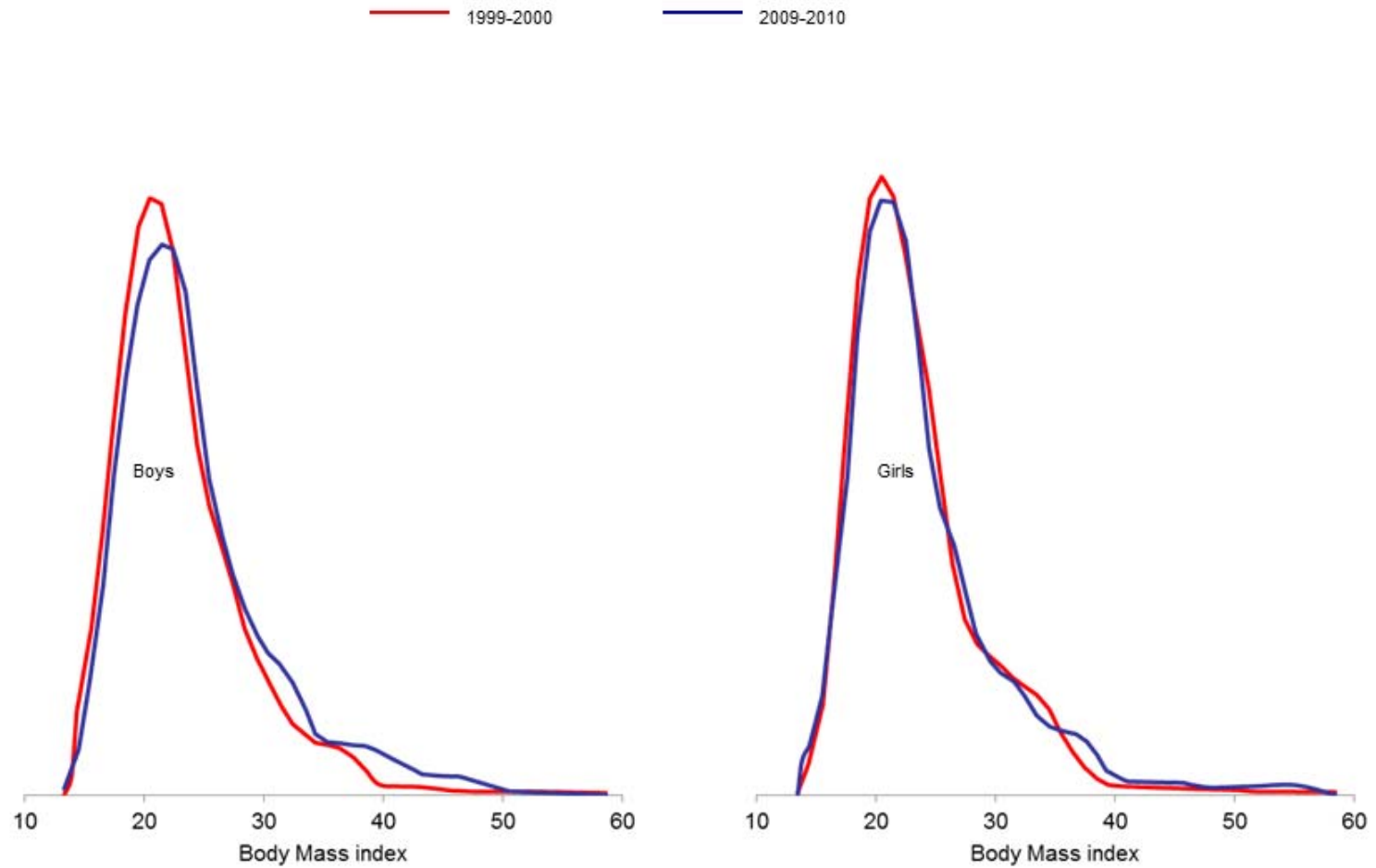
SOURCE: Centers for Disease Control and Prevention/National Center for Health Statistics, National Health and Nutrition Examination Surveys, data are weighted.

eFigure 2. Distribution of body mass index 1999-2000 and 2009-2010, by sex, 6-11 years



SOURCE: Centers for Disease Control and Prevention/National Center for Health Statistics, National Health and Nutrition Examination Surveys, data are weighted.

eFigure 3. Distribution of body mass index 1999-2000 and 2009-2010, by sex, 12-19 years



SOURCE: Centers for Disease Control and Prevention/National Center for Health Statistics, National Health and Nutrition Examination Surveys, data are weighted.