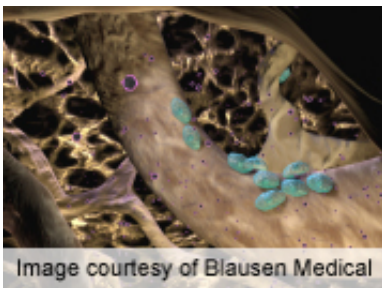


CDC: National bone mineral density data released

August 13 2013



For individuals 8 years of age and older, total bone mineral density varies by race/ethnicity and by age, according to national survey data published by the National Center for Health Statistics.

(HealthDay)—For individuals 8 years of age and older, total bone mineral density (BMD) varies by race/ethnicity and by age, according to national survey data published by the National Center for Health Statistics (NCHS).

Anne C. Looker, Ph.D., from the NCHS in Hyattsville, Md., and colleagues reviewed bone measurement data from total body dual energy X-ray [absorptiometry](#) scans for 28,454 participants (aged 8 years and older) in the 1999 to 2004 National Health and Nutrition Examination Survey. Valid data were available for 22,667 respondents, and there were 5,787 respondents with [missing data](#) that were successfully multiply imputed.

The researchers found that, for both sexes, for those younger than 20 years the total body BMD was significantly higher among respondents aged 12 to 19 years versus those aged 8 to 11 years, after adjustment for race and ethnicity. Compared with respondents aged 50 to 79 years, the total body BMD was significantly higher among those aged 20 to 49 years and significantly lower for those aged 80 and older, among both sexes, after adjustment for race and ethnicity. Regardless of age or sex and after adjustment for age, total body BMD was significantly higher in non-Hispanic blacks versus non-Hispanic whites. For Mexican-Americans versus non-Hispanic whites, the total body BMD was similar for females aged 8 to 19 years, and was significantly lower for males aged 8 to 19 years and for both [males and females](#) aged 20 years and older.

"Total body BMD was significantly higher (after adjusting for race and ethnicity) in respondents aged 12 to 19 years than in those aged 8 to 11 years in both sexes," the authors write.

More information: [More Information](#)

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