

# Young Adults Not Drinking Enough Milk: Consumption of Dairy Products Decreases as Teens Reach Their Twenties

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Calcium and dairy products play major roles in health maintenance and the prevention of chronic disease. Because peak bone mass is not achieved until the third decade of life, it is particularly important for young adults to consume adequate amounts of calcium, protein and vitamin D found in dairy products to support health and prevent osteoporosis later in life. In a study in the July/August issue of the *Journal of Nutrition Education and Behavior*, researchers report that young people actually reduce their intake of calcium and dairy products as they enter their twenties.

Drawing data from Project EAT (Eating Among Teens), a prospective, population-based study designed to examine determinants of [dietary intake](#) and weight status, the responses of over 1,500 young adults (45% male) were analyzed by investigators from the University of Minnesota, Minneapolis. The mean age of participants was 15.9 years at baseline and 20.5 years at follow-up.

During the transition from middle adolescence (high school) to young adulthood (post-high school), females and males respectively reduced their daily calcium intakes by an average of 153 mg and 194 mg. Although 38% of females and 39% of males increased their intake of calcium over 5 years, the majority of the sample reduced their intake of calcium over 5 years. During middle adolescence, more than 72% of females and 55% of males had calcium intakes lower than the recommended level of 1,300 mg/day. Similarly, during young adulthood, 68% of females and 53% of males had calcium intakes lower than the recommended level of 1,000 mg/day.

The researchers found that reports of mealtime milk availability, positive health/nutrition attitudes, taste preference for milk, healthful weight control

behaviors and peer support for healthful eating when the participants were teenagers were associated with higher calcium intake in young adulthood. Time spent watching television and lactose intolerance during middle adolescence were associated with lower calcium intake in young adulthood.

Writing in the article, Dr. Nicole I. Larson, Division of Epidemiology and Community Health, School of Public Health, University of Minnesota, Minneapolis, and colleagues state, "The findings of this study indicate that future interventions designed to promote improvements in calcium intake should encourage the families of adolescents to serve milk at meals. In addition, interventions targeted to female adolescents should build concern for healthful eating, develop confidence in skills for healthful eating and reduce exposure to television advertisements. Interventions targeted to male adolescents should emphasize opportunities to taste calcium-rich food, the promotion of healthful weight management behaviors and supporting peers to engage in healthful eating behaviors."

The article is "Calcium and Dairy Intake: Longitudinal Trends during the Transition to Young Adulthood and Correlates of [Calcium Intake](#)" by Nicole I. Larson, PhD, MPH, RD; Dianne Neumark-Sztainer, PhD, MPH, RD; Lisa Harnack, DrPH, RD; Melanie Wall, PhD; Mary Story, PhD, RD; and Marla E. Eisenberg, ScD, MPH. It appears in the *Journal of Nutrition Education and Behavior*, Volume 41, Issue 4, (July/August 2009) published by Elsevier.

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