EPIDEMIOLOGY

Exposure to Natural Fluoride in Well Water and Hip Fracture: A Cohort Analysis in Finland.

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ABSTRACT

In the retrospective cohort study based on record links =144,627), who had lived in the same rural loc (median, 0.1 mg/liter; maximum, 2.4 mg/liter) median smoothing method based on ground w Hospital Discharge Registry for 1981--1994. N concentration in the well water in either men association was modified by age and sex so tha increased the risk of hip fractures. Among olde The adjusted rate ratio was 2.09 (95% confider (>1.5 mg/liter) when compared with those who increases the risk of hip fractures only among w

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SUMMARY

Kurttio and colleagues studied over 144,000 elderly she people admitted to hospitals with their first hip fracture, who lived at the same address from 1967 they found that women aged 50-64 years old exposed to natural water fluoride levels greater than 1.5 mg/s ad significantly more hip fractures than similar women least exposed to fluoride at 0.1 mg/liter or less. "The results suggest that fluoride may be associated with some gender-dependent mechanisms or risk factors for hip fractures," report the research team. "The scientific evidence clearly shows that fluoride damages bone even at levels added to public drinking water," says Dr. John R. Lee, physician and authority on fluoride and its bone effects.