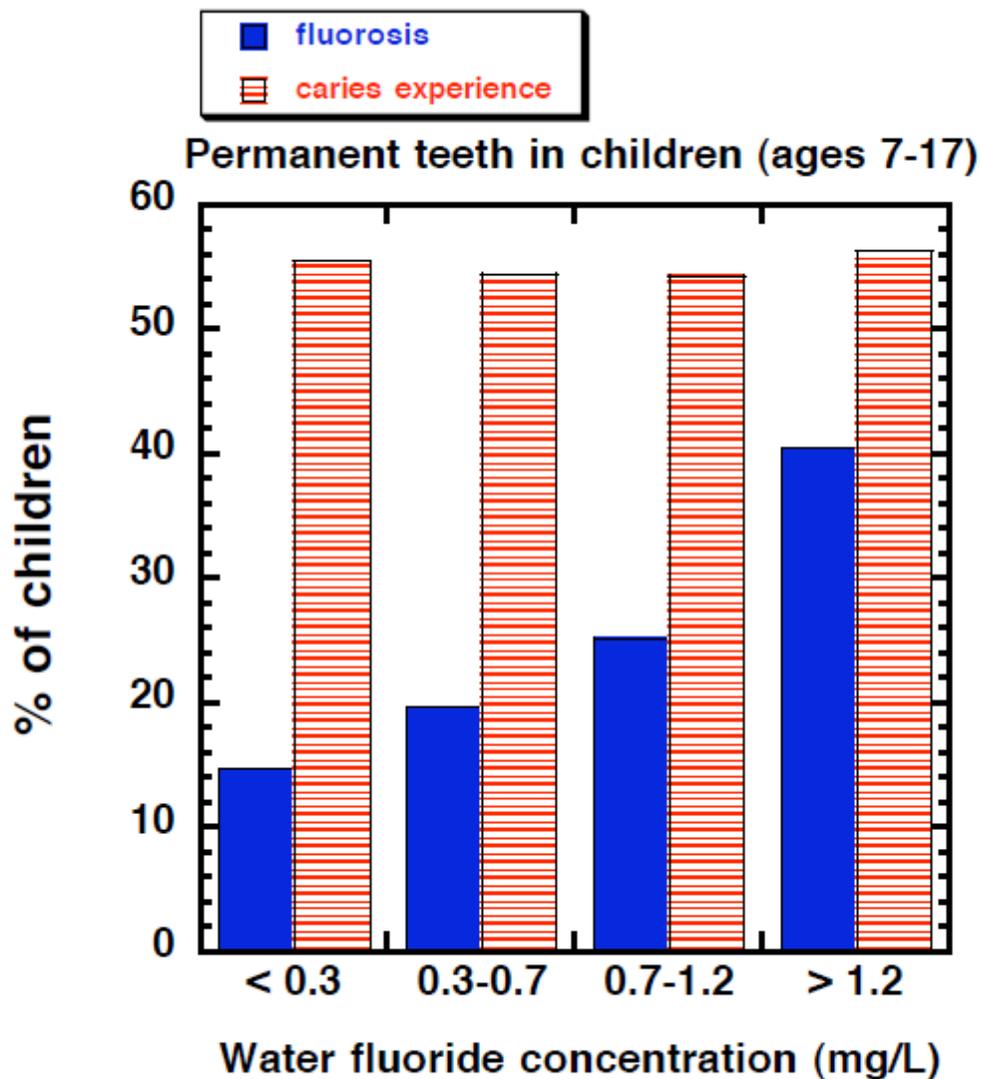


## Artificial Water Fluoridation – No Benefit – Definite Harm

National data set collected in the U.S. in 1986-1987 (more than 16,000 children, ages 7-17, with a history of a single continuous residence). No difference in caries rates in the permanent teeth of children is seen with different water fluoride levels. Fluorosis prevalence and caries prevalence with water fluoride concentration for children ages 7-17 with a history of a single continuous residence is provided. Data are shown as % of total children having fluorosis (very mild, mild, moderate, or severe, but not questionable) or caries experience. Source: Iida, H., and Kumar, J.V. 2009. The association between enamel fluorosis and dental caries in U.S. schoolchildren. JADA 140:855-862.



**Prepared by:** Kathleen M. Thiessen, Ph.D., SENES Oak Ridge, Inc., Center for Risk Analysis, professional in the field of risk analysis, including exposure assessment, toxicity evaluation, and risk assessment. She has recently served on two subcommittees of the National Research Council's Committee on Toxicology, including the NRC's Committee on Fluoride in Drinking Water.