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| **Author, Year, Title** | **Databases Searched, Date of Last Search** | **Number and Type of Studies** | **Methods For Rating Methodological Quality of Primary Studies** | **Methods for Synthesizing Results of Primary Studies** | **Number of Patients (Treatment and Control)** | **Adverse Events** | **Quality Rating** |
| Ismail and Hasson, 200838 *Fluoride supplements, dental caries, and fluorosis: A systematic review* | MEDLINE: 1966-June 2006  Cochrane: up to 2nd quarter 2006  EMBASE: 1974-2006 | 5 observational studies | Cochrane Handbook of Systematic Reviews | Qualitative analyses only, due to high heterogeneity of subjects, outcomes, and duration of followup | Not reported | 5 observational studies reported fluorosis outcomes associated with early childhood use of fluoride supplementation  All studies found an association between fluoride G2 supplementation in early childhood and risk of fluorosis  One study (n=383) found OR increased by 84% per year of use of fluoride supplements (95% CI 1.4 to 2.5)  One study (n=188) OR 10.8 in children started on fluoride supplements within the first 2 years of life (95% CI 1.9 to 61.6)  Largest study (n=3978) found slightly increased risk that ranged from OR 1.1 to 1.7 | Good |

**Abbreviations:** CI = confidence interval; OR = odds ratio.