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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 2006Cochrane: up to 2nd quarter 2006EMBASE: 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 supplementationAll studies found an association between fluoride G2 supplementation in early childhood and risk of fluorosisOne 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.