

APPENDIX J: Fluoride Ingestion from Toothpaste

Daily Fluoride Ingestion from Toothpaste (with 2 brushings of 1500 ppm F paste)				
Study	Age of children	F ingestion (mean)	F ingestion (max)	F ingestion (90th percentile)
Ericsson 1974 (cited in Levy 1999)	4	0.39 mg/day	0.9 mg/day	N/A
	6	0.36 mg/day	0.57 mg/day	N/A
Hargreaves 1975 (cited in Levy 1999)	3 to 6	1.14 mg/day	3.48 mg/day	N/A
Barnhart 1976 (cited in Levy 1999)	2 to 4	0.9 mg/day	N/A	2.19 mg/day
	5 to 7	0.39 mg/day	N/A	0.81 mg/day
Glass 1977 (cited in Levy 1999)	8 to 10	0.36 mg/day	1.23 mg/day	0.69 mg/day
Baxter 1979 (cited in Levy 1999)	5 to 16	0.57 mg/day	2.25 mg/day	1.41 mg/day
	5 to 6	0.81 mg/day	N/A	N/A
Salama 1983 (cited in Levy 1999)	3 to 10	1.08 mg/day	2.46 mg/day	N/A
Simard 1984 (cited in Levy 1999)	2 to 3	0.84 mg/day	N/A	N/A
	4	1.17 mg/day	N/A	N/A
	5	0.66 mg/day	N/A	N/A
Naccache 1985 (cited in Levy 1999)	3	0.54 mg/day	N/A	N/A
	5	0.33 mg/day	N/A	N/A
Naccache 1987 (cited in Levy 1999)	2	0.99 mg/day	N/A	N/A
	4	0.66 mg/day	N/A	N/A
	7	0.48 mg/day	N/A	N/A
Bentley 1999	2.5 yrs	0.84 mg/day	2.04 mg/day	N/A
<p>References:</p> <p>Bentley EM, et al. (1999). Fluoride ingestion from toothpaste by young children. <i>British Dental Journal</i> 186(9):460-2.</p> <p>Levy SM, Guha-Chowdhury N. (1999). Total fluoride intake and implications for dietary fluoride supplementation. <i>Journal of Public Health Dentistry</i> 59: 211-23.</p>				

APPENDIX J: Fluoride Ingestion from Toothpaste (continued)

Daily Fluoride Ingestion from Toothpaste (with 2 brushings of 1000 ppm F paste)				
Study	Age of children	F ingestion (mean)	F ingestion (max)	F ingestion (90th percentile)
Ericsson 1974 (cited in Levy 1999)	4	0.26 mg/day	0.6 mg/day	N/A
	6	0.24 mg/day	0.38 mg/day	N/A
Hargreaves 1975 (cited in Levy 1999)	3 to 6	0.76 mg/day	2.32 mg/day	N/A
Barnhart 1976 (cited in Levy 1999)	2 to 4	0.6 mg/day	N/A	1.46 mg/day
	5 to 7	0.26 mg/day	N/A	0.54 mg/day
Glass 1977 (cited in Levy 1999)	8 to 10	0.24 mg/day	0.82 mg/day	0.46 mg/day
Baxter 1979 (cited in Levy 1999)	5 to 16	0.38 mg/day	1.5 mg/day	0.94 mg/day
	5 to 6	0.54 mg/day	N/A	N/A
Salama 1983 (cited in Levy 1999)	3 to 10	0.72 mg/day	1.64 mg/day	N/A
Simard 1984 (cited in Levy 1999)	2 to 3	0.56 mg/day	N/A	N/A
	4	0.78 mg/day	N/A	N/A
	5	0.44 mg/day	N/A	N/A
Naccache 1985 (cited in Levy 1999)	3	0.36 mg/day	N/A	N/A
	5	0.22 mg/day	N/A	N/A
Naccache 1987 (cited in Levy 1999)	2	0.66 mg/day	N/A	N/A
	4	0.44 mg/day	N/A	N/A
	7	0.32 mg/day	N/A	N/A
Reference:				
Levy SM, Guha-Chowdhury N. (1999). Total fluoride intake and implications for dietary fluoride supplementation. <i>Journal of Public Health Dentistry</i> 59: 211-23.				