

Table 4: Evidence table for the 33 papers not included for answering the sugars/caries question. (Quality scores in parentheses).

Cohort studies:

Authors and Year (Ref. Number)	Baseline Age of Participants	Research Aims	Length of Study	Response Rate	Inclusion/ Excl. Criteria	Number at Completion	Dropout Rate	Comparison Group	Measure of Sugar Intake	Level of Caries Diagnosed	Nature of Caries Diagnosis	Examiner Reliability	Confounders Accounted For?	Measure of Risk	Internally Valid Conclusions?	Quality Score
Altonen and Tenovuo, 1994 (11)	5-7 years	Hypothesis (10)	5 years (7)	Not given (0)	given (5)	55 (1)	Not given (0)	Concurrent (5)	FFQ, diaries (7)	Cavitated (3)	Clinical (3)	Given previously (6)	Not given (0)	Not given (0)	Implied, supported (6)	46
Bjarnason et al, 1989 (16)	12-13 years	General (5)	1 year (1)	95% (6)	given (7)	263 (5)	Not given (0)	Concurrent (5)	Self-report (2)	Noncav+Cav (4)	Clinical (3)	Not given (0)	Not given (0)	Not given (0)	Implied, supported (6)	44
Grytten et al, 1988 (31)	3 years	General (6)	2.5 years (3)	Not given (0)	Not given (0)	231 (5)	Not given (0)	Concurrent (5)	"Interview" (3)	Cavitated (3)	Clinical (3)	Not given (0)	In text only (2)	Not given 90)	Stated, supported	46
Holbrook et al, 1993 (33)	4 years	General (5)	2 years (2)	Not given (0)	Implied (3)	153 (3)	Not given (0)	Concurrent (5)	FFQ, interview (5)	Cavitated (3)	Clinical (3)	Not given (0)	Multivariate (9)	OR (6)	Implied, supported (6)	50
Holbrook et al, 1995 (34)	5 years	General (6)	1 year (1)	86% (6)	Not given (0)	43 (1)	Not given (0)	Concurrent (5)	"Interview" (3)	Noncav+cav (4)	Clin.+X-ray (5)	"Training" (2)	Not given (0)	Not given (0)	Implied, not supported (2)	35
Karjalainen et al, 1997 (40)	3 years	General (6)	2.5 years Retro	83% (6)	given (5)	148 (2)	Not given (0)	Concurrent (5)	Validated record (6)	Cavitated (3)	Clinical (3)	Kappa (6)	Not given (0)	Not given (0)	Implied, supported (5)	47
LaChappelle et al, 1990 (43)	11 years	General (7)	20 mos. (1)	Not given (0)	Not given (0)	232 (5)	Not given (0)	Concurrent (5)	3-day (6)	Cavitated (3)	Clinical (3)	Correl coeff (7)	Not given (0)	Not given (0)	Implied, supported (5)	42
Larsson et al, 1992 (44)	15 years	General (5)	3 years (5)	Not given (0)	given (7)	197 (3)	Not given (0)	Concurrent (5)	24-hr, 5 days (7)	Noncav+Cav (4)	Clin+X-rays (4)	Kappa (6)	Not given (0)	Not given (0)	Implied, supported (6)	52

Persson et al, 1985 (58)	12 months	General (6)	2 years (2)	Not given (0)	Not given (0)	275 (5)	13% (6)	Correlation (6)	Interview (7)	Cavitated (3)	Clinical (3)	"Calibrate d" (3)	Discriminant analysis (6)	Not given (1)	Implied, supported (6)	54
Ravald et al, 1986 (61)	Mean 55 yrs.	General (6)	8 years (6)	Not given (0)	Not given (0)	31 (0)	12% (6)	Concurrent (5)	Interview (6)	Cavitated (3)	Clin+X-rays (5)	Not given (0)	Stratified (8)	Not given (0)	Stated, not supported (3)	48
Roeters et al, 1995 (64)	2 years	General (3)	3 years (6)	80% (5)	Not given (0)	193 (3)	20% (6)	Correlational (4)	Not clear (0)	Not given (0)	Clin + X-rays (4)	Not given (0)	Not given (0)	Not given (0)	Implied, not supported (2)	33
Silver, 1987 (67)	Infancy	General (3)	10 years (6)	Not given (0)	Not given (0)	161 (3)	32% (6)	Concurrent (6)	Interview (3)	Cav (3)	Clinical (3)	Not given (0)	Not given (2)	Not given (1)	Stated, supported (8)	44
Soderholm and Birkhed, 1988 (68)	Adult	General (6)	2 years (2)	Not given (0)	Not given (0)	68 (2)	None (6)	Concurrent (6)	Interview (6)	Noncav+Cav (4)	Clin+X-rays (6)	Not given (0)	Not given (2)	Sens, spec (4)	Stated, supported (8)	52
Stecken-Blicks and Gustafsson, 1986 (71)	8, 13 years	General (6)	13 mos. (1)	Not given (0)	Not given (1)	171 (3)	9% (6)	Concurrent (6)	Diary (4)	Noncav+Cav (6)	Clinical (3)	Not given (0)	Discriminant analysis (8)	Not given (2)	Stated, supported (8)	54

## **Case-Control Studies:**

Eronat and Eden, 1992 (20)	2-6 years	General (5)	224 (10)	Same population (7)	Implied (3)	3-day (8)	Cavitated (3)	Clinical (5)	Not stated (0)	Not mentioned (0)	Not given (0)	Implied, supported (5)	46
Lai et al, 1997 (44)	2.5 years	General (6)	25 (6)	Stated (5)	Implied (3)	3-day (8)	Cavitation (3)	Clinical (5)	Kappa (6)	Not mentioned (0)	Not given (0)	Implied, supported (5)	47
McMahon et al, 1993 (55)	<5 years	General (5)	262 (10)	Stated (5)	Implied (3)	24-hr recall (6)	Cavitation (3)	Clinical (5)	Not stated (0)	Not mentioned (0)	Not given (0)	Implied, supported (5)	42

#### Cross-Sectional Studies:

Authors and Year (Ref. Number)	Age of Participants	Research Aims	Number of Participants	Response Rate	Inclusion/Excl. Criteria	Comparison Group	Measure of Sugar Intake	Level of Caries Diagnosed	Nature of Caries Diagnosis	Examiner Reliability	Confounders Accounted For?	Measure of Risk	Internally Valid Conclusion s?	Quality Score
Bergendal and Hamp, 1985 (15)	19 years	General (6)	95 (1)	Not stated (0)	Not stated (0)	Concurrent (6)	24-hr (7)	Cavitated (4)	Clinical (3)	Not stated (0)	Not stated (0)	Correlation (4)	Implied, supported (6)	42
Bruening et al, 1999 (17)	3 - 5 years	General (6)	40 (1)	Not stated (0)	Not stated (0)	Concurrent (6)	7-day (6)	Cavitated (4)	Clinical (3)	Not stated (0)	Not mentioned (0)	Not stated (0)	Stated, supported (5)	31
Cleaton-Jones et al, 1984 (19)	5 years	General (8)	715 (7)	90% (7)	Not stated (3)	Concurrent (6)	Self-report validated (5)	Cavitated (4)	Clinical (3)	"Examiner agree" (4)	Not mentioned (0)	Not stated (1)	Implied, supported (5)	53
Gizani et al, 1999 (27)	2 - 6 years	General (8)	125 (2)	Not stated (0)	Implied (4)	Concurrent (6)	"Interview" (3)	Noncav+Ca v (5)	Clin+ X-rays (4)	Kappa (7)	Not mentioned (0)	Not stated (1)	Implied, supported (6)	46
Godson and Williams, 1996 (28)	3 years	General (7)	226 (4)	80% (7)	Not stated (2)	Concurrent (6)	24-hr recall (6)	Cavitated (4)	Clinical (3)	Kappa (7)	Not mentioned (0)	Not stated (0)	Neither stated nor implied (0)	47
Honkala et al, 1984 (37)	13 years	General (8)	135 (2)	98% (7)	Not stated (0)	Concurrent (6)	Self-report (1)	Cavitated (4)	Clinical (3)	Not stated (0)	Multivariate (8)	OR (7)	Implied, supported	52

													(6)	
Kwon et al, 1997 (42)	12-13 years	General (5)	651 (6)	Not stated (0)	Not stated (5)	Concurrent (5)	FFQ (5)	Cavitated (5)	Clinical (3)	Not stated (0)	Not stated (0)	Not given (0)	Implied, not supported (1)	35
Maiwald, 1981 (47)	12-13 years	Not Clear (2)	not stated (0)	Not stated (0)	Not stated (0)	Historic (1)	Self-report (1)	Cavitated (4)	Clinical (3)	Not stated (0)	Not mentioned (0)	Not given (0)	Implied, not supported (1)	12
Peng et al, 1997 (57)	12 years	General (9)	698 (8)	Not stated (0)	Not stated (0)	Correlationa l (4)	Self-report (4)	Cavitated (3)	Clinical only (4)	Kappa (6)	Multivariate (9)	Not given (0)	Implied, supported (7)	54
Petridou et al, 1996 (59)	12 to 17	General (4)	380 (7)	73% - 91% (7)	Not stated (2)	Correlation study (4)	Self-report (2)	Cavitated (3)	Clinical only (3)	"Training" (3)	Multivariate (10)	Not given (2)	Implied, supported (6)	53
Rodriguez-Contreras Pelayo et al, 1989 (63)	6 to 12	General (4)	3,347(8)	Not stated (0)	Not stated (0)	Correlationa l (4)	Self-report (1)	Cavitated (3)	Clinical (2)	"Training" (3)	Not mentioned (0)	Correlation (3)	Implied, not supported (2)	30
Stacey and Wright, 1991 (69)	3 to 5	General (6)	60 (1)	Not stated (0)	Not stated (0)	Concurrent (7)	Self-report (2)	Cavitated (3)	Clinical only (2)	Not stated (0)	Multivariate (12)	Not given (0)	Stated, supported (12)	45
Steyn et al, 1987 (72)	12 years	General (8)	843 (8)	Not stated (0)	Not stated (0)	Correlationa l (4)	Interview (7)	Cavitated (3)	Clinical only (4)	"Trained" (3)	Not	Not given (0)	Stated, supported (9)	46
Tubert-Jeannin et al, 1994 (75)	14 to 15	General (6)	300 (5)	Not stated (0)	Not stated (1)	Concurrent (5)	Interview (6)	Cavitated (3)	Clinical only (3)	Not mentioned (0)	Multivariate (10)	Not given (2)	Stated, supported (9)	50
Vidal and Schroder, 1989 (76)	3 to 6 years	General (5)	73 (1)	78% (7)	Not stated (3)	Concurrent (6)	Interview (3)	Noncav+Ca v (5)	Clin + X-rays (6)	Not stated (0)	Not mentioned (1)	Not stated (1)	Implied, supported (6)	44
Weissenbach et al, 1995 (77)	12 to 14	General (6)	112 (2)	Not stated (0)	Stated (5)	Correlation study (4)	Self-report (4)	Cavitated (3)	Clinical only (3)	Not mentioned (0)	Multivariate (9)	Not given (2)	Stated, supported (9)	47