

APPENDIX

Detailed Evaluation of 48 Case-Control Studies Published in 1984

Reference	J Chron Dis 37: 877-83	Am J Epidemiol 120: 350-7	Am J Med 76: 192-8
Disease	Breast cancer	Breast cancer	Breast cancer
Exposure	Thyroid supplements	Alcohol	Estrogens, Clinical features
Number of cases*	1362	1010	150; 107
Number of controls*	1250	1950	300; 107; 257
Guideline			
A statement of the research question	S	S	S
Identification of the source of controls	S	S	S
Identification of the source of cases	S	S	S
A statement of the conclusions reached from the data	S	S	S
Exclusion criteria for cases	NS	NS	S
A statement of the non-response rate	S	NS	S
Exclusion criteria for controls	NS	NS	S
Information on the matching procedure, if used	S	S	S
Information on the method of data collection (interviewer, self administered questionnaire, record review)	S	S	S
Information on the presence of possible confounding variables	S	S	NS
Information on the investigation of possible sources of bias	S	S	S
If an interviewer or record review were used, information on whether or not these observers were blinded to the status of cases and controls	NS	NA	S
Information of the methods used for dealing with confounding variables	S	S	S
A description of the analytic methods	S	S	S
A description of the sampling technique	NS	NS	UC
Information on whether the cases are incident or prevalent	S	S	S
Diagnostic procedure used to identify cases	NS	S	S
Presentation of confidence limits	S	S	S
Information on exposure (duration, intensity)	S	S	S
A statement of whether or not the controls undergo the same diagnostic procedures as the cases	S	NS	S

Reference	Lancet 1:530-3	Am J Epidemiol 119: 23-32	J Epidemiol Comm Health 38: 117-21
Disease	Lung and bladder cancer	Laryngeal cancer	Laryngeal cancer
Exposure	Palmar keratoses	Work factors	Occupation
Number of cases*	66; 69	4	326
Number of controls*	218	85	1134
Guideline			
A statement of the research question	S	S	S
Identification of the source of controls	UC	S	S
Identification of the source of cases	UC	S	S
A statement of the conclusions reached from the data	S	S	S
Exclusion criteria for cases	NS	S	S
A statement of the non-response rate	NS	S	S
Exclusion criteria for controls	S	S	NS
Information on the matching procedure, if used	NA	S	S
Information on the method of data collection (interviewer, self administered questionnaire, record review)	UC	S	S
Information on the presence of possible confounding variables	S	S	S
Information on the investigation of possible sources of bias	NS	S	S
If an interviewer or record review were used, information on whether or not these observers were blinded to the status of cases and controls	NS	S	NA
Information of the methods used for dealing with confounding variables	S	S	S
A description of the analytic methods	S	S	S
A description of the sampling technique	NS	NS	NS
Information on whether the cases are incident or prevalent	NS	S	S
Diagnostic procedure used to identify cases	S	S	NS
Presentation of confidence limits	S	S	S
Information on exposure (duration, intensity)	NS	S	S
A statement of whether or not the controls undergo the same diagnostic procedures as the cases	NA	NA	NA

*In reports utilizing more than one case or control series, the number of subjects in each series is listed, delineated by semicolon.

Am J Med 77: 621-4 Breast cancer Mammographic features 105 104; 103	Am J Epidemiol 119: 371-80 Breast cancer Mammographic features, Ht, Wt 362 686	Am J Epidemiol 119: 496-501 Breast cancer Population differences 183; 366 161; 322	Lancet 1: 1224-6 Breast cancer Screening mammograms 46 138	Am J Epidemiol 119: 227-37 Lung cancer Vit A, Vit C, Carotene 364 627	N Engl J Med 310:1481-4 Lung cancer Uranium mining 32 64
S	S	S	S	S	S
S	S	S	S	S	S
S	S	S	S	S	S
S	S	S	S	S	S
S	S	S	S	S	S
S	S	S	NS	S	UC
S	S	S	S	S	S
S	NA	S	S	S	S
S	S	S	NS	S	S
S	S	S	S	S	S
S	S	NS	S	S	S
S	S	NS	NS	S	NS
S	S	S	S	S	S
S	S	S	NS	S	S
UC	S	S	UC	S	NS
S	S	S	S	S	S
S	S	S	NS	NS	S
S	S	S	S	S	S
S	S	S	S	S	S
NA	NA	S	S	S	S
S	S	NA	NA	NA	NA

Am J Epidemiol 119: 896-906 Nasal cavity cancer Occupation Habits 160 290	Lancet 2: 779-82 Cervical cancer Pap smears 145; 191 145; 191	Int J Epidemiol 13: 235-9 Cervical cancer Risk factors— Effect of different control group 319; 98 323; 128	Lancet 1: 207-9 Testicular cancer Occupation 347 347	Lancet 1: 702-4 Renal transplant Skin cancer 94 94	Am J Epidemiol 119: 456-70 Cancer Abestos in drinking water 382 462
S	S	S	UC	S	S
S	S	S	S	S	S
S	S	S	S	S	S
S	S	S	S	S	S
S	S	S	S	NS	S
S	S	S	NS	NS	S
S	S	S	S	NS	S
S	S	S	S	S	NA
S	S	S	S	NS	S
S	S	S	NS	S	S
S	S	S	NS	NS	S
NS	NS	NS	NS	NS	NS
S	S	S	NS	S	S
S	S	S	S	S	S
NS	NS	S	S	NS	S
S	S	S	S	S	S
NS	S	S	UC	S	NS
S	S	NS	S	NS	S
S	S	S	NS	UC	S
NA	NA	NS	NA	NA	NA

Reference	Br Med J 289: 521-4	Br Med J 288: 1113-9	Br Med J 288: 1795-9
Disease	Gallstones	Gallstones	Gallstones
Exposure	Lipids, Insulin	Diet, alcohol, Weight	Pregnancy Estrogens, oral contraceptives
Number of cases*	173	267	200
Number of controls*	284	241; 359	182; 234
Guideline			
A statement of the research question	S	S	S
Identification of the source of controls	S	S	S
Identification of the source of cases	S	S	S
A statement of the conclusions reached from the data	S	S	S
Exclusion criteria for cases	S	S	S
A statement of the non-response rate	S	S	S
Exclusion criteria for controls	S	S	S
Information on the matching procedure, if used	S	S	S
Information on the method of data collection (interviewer, self administered questionnaire, record review)	S	S	S
Information on the presence of possible confounding variables	S	S	S
Information on the investigation of possible sources of bias	NS	S	S
If an interviewer or record review were used, information on whether or not these observers were blinded to the status of cases and controls	S	S	S
Information of the methods used for dealing with confounding variables			S
A description of the analytic methods			S
A description of the sampling technique			S
Information on whether the cases are incident or prevalent			S
Diagnostic procedure used to identify cases	S	S	S
Presentation of confidence limits	S	S	S
Information on exposure (duration, intensity)	NS	S	S
A statement of whether or not the controls undergo the same diagnostic procedures as the cases	S	S	S

Reference	J Epidemiol Comm Health 38: 7-11	Br Med J 288: 99-102	JAMA 252: 903-12
Disease	Wilm's tumor	Melanoma	Birth defects
Exposure	Paternal occupation	Physical features Response	Paternal Military Hx and exposures
Number of cases*	105		7133
Number of controls*	210		246
A statement of the research question	S		S
Identification of the source of controls			S
Identification of the source of cases		S	S
A statement of the conclusions reached from the data		S	S
Exclusion criteria for cases		S	S
A statement of the non-response rate		S	S
Exclusion criteria for controls	NS	NS	S
Information on the matching procedure, if used	S	S	S
Information on the method of data collection (interviewer, self administered questionnaire, record review)	S	S	S
Information on the presence of possible confounding variables	UC	S	S
Information on the investigation of possible sources of bias	NS	NS	S
If an interviewer or record review were used, information on whether or not these observers were blinded to the status of cases and controls	NS	S	S
Information of the methods used for dealing with confounding variables	NA	S	S
A description of the analytic methods	S	S	S
A description of the sampling technique	S	S	S
Information on whether the cases are incident or prevalent	S	S	S
Diagnostic procedure used to identify cases	S	S	S
Presentation of confidence limits	S	S	S
Information on exposure (duration, intensity)	S	S	S
A statement of whether or not the controls undergo the same diagnostic procedures as the cases	NA	NA	S

Am J Epidemiol 120: 87-96 Benign breast disease Oral contra- ceptive use 633 1062	Am J Epidemiol 120: 115-22 Benign breast disease Reproductive history 288 285	Am J Epidemiol 120: 108-14 Benign breast disease Twin study 90; 48 90; 48	Br Med J 289: 954-6 Crohn's disease Smoking 81 136	Br Med J 288: 751-3 Ulcerative colitis Smoking 120 201	Am J Epidemiol 120: 108-14 Coronary disease Reproductive history 169 338
S	S	S	S	S	S
S	S	S	S	S	S
S	S	S	S	S	S
S	S	S	S	S	S
S	S	S	NS	UC	S
S	S	S	S	S	S
S	S	S	NS	UC	S
NA	S	S	S	S	S
S	S	S	S	S	S
S	S	S	S	S	S
S	NS	S	S	S	S
NS	NS	NA	NA	NA	NS
S	S	S	S	S	S
S	S	S	S	S	S
S	NS	S	S	S	NS
NS	S	S	S	S	S
S	S	S	S	S	S
S	S	S	S	S	S
S	S	S	S	S	S
NA	NA	S	NA	NA	S

Am J Epidemiol 119: 788-95 Childhood leukemia Maternal age, Birth order, Paternal occup. 255 510	Am J Epidemiol 119: 705-12 Ovarian cancer Reproductive factors 403 806	Ann Intern Med 100: 809-15 Kaposi Sarcoma Sexual habits Serology 20 40	Am J Epidemiol 119: 473-85 Congenital malformations Maternal water supply 218 218	Int J Epidemiol 13: 45-52 Anecephaly Area of birth, Parity 433 10734	Am J Epidemiol 120: 559-64 Anecephaly Spina bifida Paternal occup., Habits, Drug use 9 27
S	S	S	S	S	S
S	S	S	S	S	S
S	S	S	S	S	S
S	S	S	S	S	S
S	S	NS	S	S	S
S	S	NS	S	S	S
S	S	NS	NS	S	S
S	S	S	S	NA	S
S	S	S	S	NS	S
S	S	S	S	S	UC
NS	S	NS	S	NS	NS
NS	NS	NS	S	NS	S
S	S	S	S	S	NA
S	S	S	S	S	S
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NS	S	NS	S	S	S
S	S	S	S	NS	NS
S	S	S	S	S	S
NA	NA	NA	NA	S	NA

Reference	JAMA	Ann Intern Med	Ann Inter
Disease	251: 2822-4 Gonorrhea	101: 325-30 Systemic pneumococcal infections	100: 345-51 Invasive pulmonary aspergillosis
Exposure	Spermicides	Pneumococcal vaccine	Granulocytopenia
Number of cases*	735	90	12
Number of controls*	938	90	36; 12
Guideline			
A statement of the research question	S	S	S
Identification of the source of controls	S	S	S
Identification of the source of cases	S	S	S
A statement of the conclusions reached from the data	S	S	S
Exclusion criteria for cases	S	S	S
A statement of the non-response rate	S	NS	S
Exclusion criteria for controls	S	S	S
Information on the matching procedure, if used	NA	S	NS
Information on the method of data collection (interviewer, self administered questionnaire, record review)	S	S	S
Information on the presence of possible confounding variables	S	S	S
Information on the investigation of possible sources of bias	S	S	NS
If an interviewer or record review were used, information on whether or not these observers were blinded to the status of cases and controls	S	S	NS
Information of the methods used for dealing with confounding variables	S	S	S
A description of the analytic methods	S	S	S
A description of the sampling technique	S	S	S
Information on whether the cases are incident or prevalent	S	S	S
Diagnostic procedure used to identify cases	S	S	S
Presentation of confidence limits	S	S	S
Information on exposure (duration, intensity)	S	S	S
A statement of whether or not the controls undergo the same diagnostic procedures as the cases	S	UC	S

Reference	Am J Epidemiol	Am J Epidemiol	Ann Intern Med
Disease	119: 281-26 Victimization	119: 250-9 Pneumonic eosinophilic syndrome	100:197-201 Neutropenia
Exposure	Location in Prison	Cooking oil	Procainamide
Number of cases*	33	27; 27; 32	5
Number of controls*	1089	58; 108; 23	40
Guideline			
A statement of the research question	S	S	S
Identification of the source of controls	S	S	S
Identification of the source of cases	S	S	S
A statement of the conclusions reached from the data	S	S	S
Exclusion criteria for cases	S	S	S
A statement of the non-response rate	S	S	NS
Exclusion criteria for controls	S	NS	NS
Information on the matching procedure, if used	NA	S	S
Information on the method of data collection (interviewer, self administered questionnaire, record review)	S	S	UC
Information on the presence of possible confounding variables	S	S	S
Information on the investigation of possible sources of bias	NS	S	S
If an interviewer or record review were used, information on whether or not these observers were blinded to the status of cases and controls	NS	NS	NS
Information of the methods used for dealing with confounding variables	S	S	S
A description of the analytic methods	S	S	S
A description of the sampling technique	S	S	UC
Information on whether the cases are incident or prevalent	S	S	S
Diagnostic procedure used to identify cases	S	S	S
Presentation of confidence limits	S	NS	NS
Information on exposure (duration, intensity)	S	S	UC
A statement of whether or not the controls undergo the same diagnostic procedures as the cases	NA	NA	UC

Lancet 2: 256-8 Back pain	JAMA 251: 483-6 Yersinosis	Lancet 1: 325-7 Cholera	Am J Epidemiol 119: 382-90 Legionnaire's disease	JAMA 252: 2716-21 Hepatitis A	JAMA 251: 3251-4 Fireworks injuries
Leg length	Milk	Food handlers	Environmental factors	Nurses	Types of fireworks
70	172	52	85	7	146
70	?	52	85; 43	14; 7	146
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S	NS	S	S	S	S
S	S	S	S	NS	S
UC	S	S	S	S	S
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