

APPENDIX E
Study data for the 296 studies

ABELIN	Study description	Study title : Abelin Full study title : Switzerland rural CC study 1941-64 Study overlap/links: None Study sex : male Lowest age in study : 1 Highest age in study (at baseline): 99 Study race : all (in country) Continent : WEurope/Scandinavia Country in W Europe : Switzerland Start year of study : 1941 End year of study : 1964 Principal publication year: 1967 Reference ID of principal publication: ABELIN1967 Number of lung cancer cases: 118 Number of controls/at risk: 524 Comments : Also GSELL1964
	Study design	Study type : case/control Type of controls (for CC studies): healthy Type of population : general population Any proxy use : present Cases and controls different interview setting: present Histological confirmation of cases: Partial Response rate for cases (%): 91 Response rate for controls (%): 97 Comments : Cases: information from hospital records for most cases, otherwise proxy interviews. Controls: interviewed in 1956 in neighbouring region; all ages interviewed but only subjects 'in same age groups' as cases used
	Results presented (current db)	Results presented for ever smokers: present Results presented for pipe smokers: present Results presented for cigar smokers: present Definition of type of pipe: Western pipe
	Other non-smok-rel results	Results presented by occupation: present Results presented by year of birth: present
	Confounders considered	Total number of confounders considered: 1 Results presented adjusted by birth cohort: 1 Comments : Adjustment for birth cohort was used in this study rather than age because cases were deaths over a 24 year period but controls were all from one year, and there was a cohort time trend in smoking habits away from pipes/cigars to cigarettes
ABRAHA	Study description	Study title : Abraham Full study title : Hungary Budapest cohort study 1975-94 Study overlap/links: None Study sex : both Lowest age in study : 40 Highest age in study (at baseline): 77 Highest age in study at final followup: 93 Study race : all (in country) Continent : EEurope/Balkans Country in E Europe/Balkans: Hungary Start year of study : 1975 End year of study : 1978 Final follow up year: 1994 Principal publication year: 1997 Reference ID of principal publication: ABRAHA1997 Number of lung cancer cases: 571 Number of controls/at risk: 30561 Comments : Also ABRAHA1993

ABRAHA
(continued)

Study design Study type : prospective
Prospective study : present
Type of population : general population
Histological confirmation of cases: Partial
Extent of histological confirmation in cases (%): 79
Response rate in prospective study at baseline (%): 92

Results presented (current db) Results presented by histological type: present
Results presented for ever smokers: present

Other smoking/tob rel results Results presented by pack-years: present

AGUDO Study description Study title : Agudo
Full study title : Spain Barcelona area CC study 1989-92
Study overlap/links: None
Study sex : female
Lowest age in study : 1
Highest age in study (at baseline): 99
Study race : all (in country)
Continent : WEurope/Scandinavia
Country in W Europe : Spain
Start year of study : 1989
End year of study : 1992
Principal publication year: 1994
Reference ID of principal publication: AGUDO1994A
Number of lung cancer cases: 103
Number of controls/at risk: 206

Study design Study type : case/control
Type of controls (for CC studies): diseased/hospital
Control diseases/causes of death: Non tobacco related diseases
Type of population : general population
Histological confirmation of cases: Partial
Extent of histological confirmation in cases (%): 98
Response rate for cases (%): 90
Response rate for controls (%): 94
Cases and controls matched on age (CC): present
Cases and controls matched on other (not sex/a/r): present

Results presented (current db) Results presented for ex-smokers: present
Results presented for current smokers: present
Results presented for ever smokers: present
Results presented by cigarette type: present
Results presented by amount smoked: present
Definition of ex-smoker: gave up >5 years

Other smoking/tob rel results Results presented by tobacco type: black/blond etc: present
Results presented by inhalation level: present
Results presented by age of starting to smoke: present
Results presented by duration of smoking: present
Results presented by pack-years: present

Confounders considered Total number of confounders considered: 3
Results presented adjusted for age: 1
Results presented adjusted for region: 1
Results presented adjusted for hospital in study: 1

AKIBA	Study description	Study title : Akiba Full study title : Japan atomic bomb survivors cohort study 1963-87 Study overlap/links: AKIBA/ISHIMA Study sex : both Lowest age in study : 1 Highest age in study (at baseline): 99 Highest age in study at final followup: 99 Study race : all (in country) Continent : Asia Country in Asia : Japan Start year of study : 1963 End year of study : 1980 Final follow up year: 1987 Principal publication year: 1994 Reference ID of principal publication: AKIBA1994 Number of lung cancer cases: 610 Number of controls/at risk: 61505 Comments : Also PRENTI1983. Nested CC study of passive smoking reported in AKIBAQQQQ, BLOT1984A and AKIBA1986 not entered as is a subset of AKIBA and reports very little active smoking data. ISHIMA is also a nested CC subset of AKIBA, but with data by histologic type
	Study design	Study type : prospective Prospective study : present Type of population : a bomb survivors + others Histological confirmation of cases: Death cert (partial check)
	Results presented (current db)	Results presented for ex-smokers: present Results presented for current smokers: present Results presented for ever smokers: present Results presented by amount smoked: present Definition of ex-smoker: all ex-smokers
	Other smoking/tob rel results	Results presented by duration of smoking: present Results presented by/for ETS in all/active smokers: present Mention of ETS (including in never smokers): present
	Other non-smok-rel results	Results presented for other diseases: present Results presented by radiation exposure: present
	Confounders considered	Total number of confounders considered: 7 Results presented adjusted for sex: present Results presented adjusted for age: 1 Results presented adjusted by source of case: 2 Results presented adjusted for time period: 1 Results presented adjusted by birth cohort: 1 Results presented adjusted by radiation level: 1
ALDERS	Study description	Study title : Alderson Full study title : UK CC Study 1977-82 Study overlap/links: None Study sex : both Lowest age in study : 35 Highest age in study (at baseline): 74 Study race : all (in country) Continent : WEurope/Scandinavia Country in W Europe : UK Start year of study : 1977 End year of study : 1982 Principal publication year: 1985 Reference ID of principal publication: ALDERS1985 Number of lung cancer cases: 1448 Number of controls/at risk: 1448 Comments : Also ALDERSQQQQA and ALDERSQQQOB, LEE1983C, WANG1983A

ALDERS

(continued)

Study design	Study type : case/control Type of controls (for CC studies): diseased/hospital Control diseases/causes of death: probably or definitely not smoking assoc Type of population : general population Histological confirmation of cases: Partial Extent of histological confirmation in cases (%): 52 Response rate for cases (%): 99 Response rate for controls (%): 99 Cases and controls matched on sex: present Cases and controls matched on age (CC): present Cases and controls matched on other (not sex/a/r): present Comments : response rate is of patients, some regions/hospitals/clinicians had refused to participate
Results presented (current db)	Results presented by histological type: present Results presented for current smokers: present Results presented for ever smokers: present Results presented by cigarette type: present Results presented for handrolled cig smokers: present Results for pipe+cigar smokers, not separately: present Results presented by amount smoked: present More detailed results available (re current db): present Definition of handrolled cigarettes: Western HR Definition of type of pipe: Western pipe Comments : F/P results are available at several different time points
Other smoking/tob rel results	Results presented by tar level: present Results presented by age of starting to smoke: present Results presented by years since stopped smoking: present Results presented by time of plain-filter switch: present Results presented by CO delivery of cigarettes: present Results presented by reasons for giving up: present Mention of ETS (including in never smokers): present
Other non-smok-rel results	Results presented for other diseases: present Results presented by previous medical history: present
Confounders considered	Total number of confounders considered: 3 Results presented adjusted for age: 1 Results presented adjusted for risky occupation: 1 Results presented adjusted for aspects of smoking: 1
AMANDU Study description	Study title : Amandus Full study title : US metal miner cohort study 1959-75 Study overlap/links: None Study sex : male Lowest age in study : 15 Highest age in study (at baseline): 99 Highest age in study at final followup: 99 Study race : whites (inc hispanic) Continent : N America Country in N America: USA US state : multi (not all) Start year of study : 1959 End year of study : 1961 Final follow up year: 1975 Principal publication year: 1991 Reference ID of principal publication: AMANDU1991A Number of lung cancer cases: 132 Number of controls/at risk: 9912 Comments : COSTEL1983 presents results from a slightly larger cohort and from a nested CC study drawn from it, but not entered here as it has less detailed smoking results

AMANDU

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Study design Study type : prospective
 Prospective study : present
 Type of population : employed-specific industry/ies
 Histological confirmation of cases: Death certificate (unchecked)

Results presented (current db) Results presented for ex-smokers: present
 Results presented for current smokers: present
 Results presented for ever smokers: present
 Definition of ex-smoker: all ex-smokers

Other smoking/tob rel results Results presented by duration of smoking: present

Other non-smok-rel results Results presented by current medical conds/obs: present

Confounders considered Total number of confounders considered: 2
 Results presented adjusted for age: 1
 Results presented adjusted for curr medical obs: 1

AMES

Study description Study title : Ames
 Full study title : US 4 NIOSH coal miner cohorts nested CC 1959-75
 Study overlap/links: None
 Study sex : male
 Lowest age in study : 15
 Highest age in study (at baseline): 99
 Highest age in study at final followup: 99
 Study race : whites (inc hispanic)
 Continent : NAmerica
 Country in N America: USA
 US state : all
 Start year of study : 1959
 End year of study : 1969
 Final follow up year: 1975
 Principal publication year: 1983
 Reference ID of principal publication: AMES1983
 Number of lung cancer cases: 317
 Number of controls/at risk: 317
 Comments : Also AMES1983A

Study design Study type : nested case/control
 Type of controls (for CC studies): decedents
 Control diseases/causes of death: Non cancer, non accident causes
 Type of population : employed-specific industry/ies
 Histological confirmation of cases: Death certificate (unchecked)
 Cases and controls matched on age (CC): present
 Cases and controls matched on other (not sex/a/r): present
 Comments : Start and end years given are based on three of the cohorts, no details available for the fourth

Results presented (current db) Results presented for ex-smokers: present
 Results presented for current smokers: present
 Results presented for ever smokers: present
 Definition of ex-smoker: unspecified

Other smoking/tob rel results Results presented by duration of smoking: present

Other non-smok-rel results Results presented by current medical conds/obs: present

ANDERS Study description

Study title : Anderson
 Full study title : US Iowa Women's Health cohort study 1986-94
 Study overlap/links: None
 Study sex : female
 Lowest age in study : 55
 Highest age in study (at baseline): 69
 Highest age in study at final followup: 77
 Study race : all (in country)
 Continent : NAmerica
 Country in N America: USA
 US state : Minn,Ia,Wis,Ill,Mo
 Start year of study : 1986
 End year of study : 1986
 Final follow up year: 1994
 Principal publication year: 1997
 Reference ID of principal publication: ANDERS1997E
 Number of lung cancer cases: 343
 Number of controls/at risk: 37098
 Comments : Also DRINKA1995. Nested CC analysis of the first 4 years were also presented by SELLER1991 and STEINM1993 but have not been entered here

Study design

Study type : prospective
 Prospective study : present
 Type of population : holding valid driving licence
 Histological confirmation of cases: Partial
 Response rate in prospective study at baseline (%): 35
 Comments : Persons with history of non-skin cancers excluded

Results presented (current db)

Results presented by histological type: present
 Results presented for ex-smokers: present
 Results presented for current smokers: present
 Results presented for ever smokers: present
 Definition of ex-smoker: all ex-smokers
 Comments : Results from Table 1 page 402 ANDERS1997E for Former smokers (adjusted for age) rejected because the RR is implausibly different from the unadjusted RR and its CI impossibly narrow. (Other results in same table for current smokers and by pack years show little difference between adjusted and unadjusted results)

Other smoking/tob rel results

Results presented by pack-years: present

Other non-smok-rel results

Results pres by anthropometric factors (eg BMI): present

Confounders considered

Total number of confounders considered: 1
 Results presented adjusted for age: 1

ARCHER Study description

Study title : Archer
 Full study title : US uranium miners cohort study 1950-74
 Study overlap/links: None
 Study sex : male
 Lowest age in study : 15
 Highest age in study (at baseline): 99
 Highest age in study at final followup: 99
 Study race : all (in country)
 Continent : NAmerica
 Country in N America: USA
 US state : Colo,NMex
 Start year of study : 1950
 End year of study : 1960
 Final follow up year: 1974
 Principal publication year: 1976
 Reference ID of principal publication: ARCHER1976
 Number of lung cancer cases: 146
 Number of controls/at risk: 4146
 Comments : Also ARCHER1973, ARCHER1973A, ARCHER1979, SACCOM1974 and WHITTE1983

Study design

Study type : prospective
 Prospective study : present
 Type of population : employed-specific industry/ies
 Histological confirmation of cases: Death certificate (unchecked)
 Response rate in prospective study at baseline (%): 90
 Comments : Miners from the Colorado plateau (i.e. includes Arizona, Clolorado, New Mexico, Utah, Wyoming). Refers to Respiratory cancer

Results presented (current db)

Results presented for ex-smokers: present
 Results presented for current smokers: present
 Results presented for ever smokers: present
 Results presented by amount smoked: present
 Definition of ex-smoker: all ex-smokers

Other smoking/tob rel results

Results presented by pack-years: present

Other non-smok-rel results

Results presented by risky occupational exposure: present

ARMADA Study description

Study title : Armadans-Gil
 Full study title : Spain CC study 1986-90
 Study overlap/links: None
 Study sex : male
 Lowest age in study : 1
 Highest age in study (at baseline): 80
 Study race : all (in country)
 Continent : WEurope/Scandinavia
 Country in W Europe : Spain
 Start year of study : 1986
 End year of study : 1990
 Principal publication year: 1999
 Reference ID of principal publication: ARMADA1999
 Number of lung cancer cases: 325
 Number of controls/at risk: 325

ARMADA
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Study design	Study type : case/control Type of controls (for CC studies): diseased/hospital Control diseases/causes of death: Patients with no diagnosis of lung cancer to urology, ophthalmology, otorhinolaryngology or general surgery wards (excluding traumatology). Persons with smoking related pathologies excluded Type of population : general population Cases have full (100%) histological confirmation: present Histological confirmation of cases: Full Extent of histological confirmation in cases (%): 100 Cases and controls matched on age (CC): present
Results presented (current db)	Results presented for ex-smokers: present Results presented for current smokers: present Results presented for ever smokers: present Results presented by cigarette type: present Results presented for pipe smokers: present Results presented for cigar smokers: present Results presented by amount smoked: present More detailed results available (re current db): present Definition of type of pipe: Western pipe Definition of ex-smoker: gave up >1 year Comments : Data for long term use of filter also available as well as for other definitions of ex smoker
Other smoking/tob rel results	Results presented by tobacco type: black/blond etc: present Results presented by age of starting to smoke: present Results presented by duration of smoking: present Results presented by pack-years: present Results presented by years since stopped smoking: present
Confounders considered	Total number of confounders considered: 2 Results presented adjusted for age: 1 Results presented adjusted for aspects of smoking: 1
ARMSTR Study description	Study title : Armstrong Full study title : Canada Quebec aluminium workers CC study 1950-88 Study overlap/links: None Study sex : male Lowest age in study : 15 Highest age in study (at baseline): 99 Study race : all (in country) Continent : N America Country in N America: Canada Start year of study : 1950 End year of study : 1988 Principal publication year: 1994 Reference ID of principal publication: ARMSTR1994 Number of lung cancer cases: 338 Number of controls/at risk: 1138
Study design	Study type : case/control Type of controls (for CC studies): healthy + decedents Control diseases/causes of death: all Type of population : employed-specific industry/ies Histological confirmation of cases: Diagnosis (checking unknown) Response rate for cases (%): 91 Response rate for controls (%): 95 Cases and controls matched on age (CC): present Comments : Controls were a random sample (subcohort) of employees, frequency matched to cases on age. Smoking histories taken from company medical records. Upper and lower ages assumed for workers

ARMSTR
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Results presented (current db) Results presented for ever smokers: present

Other smoking/tob rel results Results presented by pack-years: present

Confounders considered Total number of confounders considered: 1
Results presented adjusted for risky occupation: 1

Derived - control diseases Controls include smoking related cancer: All
Controls include respiratory disease: All
Controls include heart disease: All
Controls include other smoking related disease: All
Controls include non-smoking related cancer: All
Controls include orthopaedic/trauma patients: All
Controls include other non smoking related disease: All

AUSTIN Study description

Study title : Austin
Full study title : US Ohio foundry workers CC study 1970-86
Study overlap/links: None
Study sex : both
Lowest age in study : 15
Highest age in study (at baseline): 99
Study race : all (in country)
Continent : N America
Country in N America: USA
US state : Mich,Ind,Oh,Tenn
Start year of study : 1970
End year of study : 1986
Principal publication year: 1997
Reference ID of principal publication: AUSTIN1997B
Number of lung cancer cases: 166
Number of controls/at risk: 325
Comments : Also ROTIMI1993

Study design

Study type : case/control
Type of controls (for CC studies): healthy
Type of population : employed-specific industry/ies
Any proxy use : present
Proxy use in cases (%): 100
Proxy use in controls (%): 36
Marked diff in proxy use for cases v controls: present
Cases and controls different vital status: present
Histological confirmation of cases: Death certificate (unchecked)
Response rate for cases (%): 71
Response rate for controls (%): 79
Cases and controls matched on sex: present
Cases and controls matched on age (CC): present
Cases and controls matched on race (CC): present
Comments : Workers in iron foundry and engine manufacturing plants. There were 3 female deaths (although it is not known how many were actually included in the study)

Results presented (current db) Results presented for ex-smokers: present
Results presented for current smokers: present
Results presented for ever smokers: present
Definition of ex-smoker: unspecified

Confounders considered Total number of confounders considered: 3
Results presented adjusted for sex: present
Results presented adjusted for age: 1
Results presented adjusted for race: 1

AUVINE	Study description	Study title : Auvinen Full study title : Finland radon CC study 1986-92 Study overlap/links: None Study sex : both Lowest age in study : 1 Highest age in study (at baseline): 99 Study race : all (in country) Continent : WEurope/Scandinavia Country in W Europe : Finland Start year of study : 1986 End year of study : 1992 Principal publication year: 1996 Reference ID of principal publication: AUVINE1996 Number of lung cancer cases: 517 Number of controls/at risk: 517 Comments : Also LAGARD1997, AUVINE1997 and AUVINE1998
	Study design	Study type : case/control Type of controls (for CC studies): healthy Type of population : gen pop long term resident Any proxy use : present Proxy use in cases (%): 83 Proxy use in controls (%): 11 Marked diff in proxy use for cases v controls: present Cases and controls different vital status: present Histological confirmation of cases: Diagnosis (checking unknown) Response rate for cases (%): 84 Response rate for controls (%): 83 Cases and controls matched on sex: present Cases and controls matched on age (CC): present Comments : Cases and controls were identified at population registry as having lived at single address 1967-1985. Controls were alive at time of diagnosis of their matched case, but some had died before date of interview
	Results presented (current db)	Results presented for ex-smokers: present Results presented for current smokers: present Results presented for ever smokers: present Results presented for cigar smokers: present Results presented by amount smoked: present Definition of ex-smoker: gave up >12 years Comments : There were no pipe only cases, but controls not stated. No analyses presented taking pipe smoking into account, therefore cannot get any useful results for combined products, or vs never smokers of any product
	Other smoking/tob rel results	Results presented by age of starting to smoke: present Results presented by duration of smoking: present Results presented by/for ETS in all/active smokers: present Mention of ETS (including in never smokers): present
	Confounders considered	Total number of confounders considered: 2 Results presented adjusted for sex: present Results presented adjusted for age: 1

AXELSO	Study description	Study title : Axelson Full study title : Sweden radon CC study 1960-81 Study overlap/links: None Study sex : both Lowest age in study : 30 Highest age in study (at baseline): 84 Study race : all (in country) Continent : WEurope/Scandinavia Country in W Europe : Sweden Start year of study : 1960 End year of study : 1981 Principal publication year: 1988 Reference ID of principal publication: AXELSO1988 Number of lung cancer cases: 152 Number of controls/at risk: 457
	Study design	Study type : case/control Type of controls (for CC studies): decedents Control diseases/causes of death: Non cancer deaths Type of population : gen pop long term resident Any proxy use : present Proxy use in cases (%): 100 Proxy use in controls (%): 100 Histological confirmation of cases: Death certificate (unchecked) Response rate for cases (%): 86 Response rate for controls (%): 68 Comments : Response rates refer to response after residential and age restrictions; response rates were 18% and 14% of initial groups
	Results presented (current db)	Results presented for ever smokers: present
	Other smoking/tob rel results	Results presented by/for ETS in all/active smokers: present Mention of ETS (including in never smokers): present
	Other non-smok-rel results	Results presented by urban/rural: present Results presented by building material of house: present
AXELSS	Study description	Study title : Axelsson Full study title : Sweden 26 municipality CC study 1989-93 Study overlap/links: None Study sex : both Lowest age in study : 1 Highest age in study (at baseline): 75 Study race : scandinavian Continent : WEurope/Scandinavia Country in W Europe : Sweden Start year of study : 1989 End year of study : 1993 Principal publication year: 1996 Reference ID of principal publication: RYLAND1996 Number of lung cancer cases: 436 Number of controls/at risk: 767 Comments : Also RYLAND1994, AXELSS1996 and MODIGH1996

AXELSS
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Study design	Study type : case/control Type of controls (for CC studies): healthy Type of population : general population Cases and controls different interview setting: present Histological confirmation of cases: Partial Extent of histological confirmation in cases (%): 64 Response rate for cases (%): 86 Response rate for controls (%): 76 Cases and controls matched on sex: present Cases and controls matched on age (CC): present Comments : Percentage histologically confirmed refers to men only
Results presented (current db)	Results presented for ex-smokers: present Results presented for current smokers: present Results presented for ever smokers: present Results presented by amount smoked: present Definition of ex-smoker: unspecified
Other smoking/tob rel results	Results presented by duration of smoking: present
Confounders considered	Total number of confounders considered: 6 Results presented adjusted for age: 1 Results presented adjusted for marital status: 1 Results presented adjusted for occupation (gen): 1 Results presented adjusted for dietary factors: 3
BAND	
Study description	Study title : Band Full study title : Canada occupational CC study 1983-90 Study overlap/links: None Study sex : male Lowest age in study : 20 Highest age in study (at baseline): 99 Study race : all (in country) Continent : NAmerica Country in N America: Canada Start year of study : 1983 End year of study : 1990 Principal publication year: 1999 Reference ID of principal publication: BAND1999 Number of lung cancer cases: 2831 Number of controls/at risk: 8734
Study design	Study type : case/control Type of controls (for CC studies): diseased/hospital Control diseases/causes of death: Non smoking related cancers Type of population : general population Any proxy use : present Cases have full (100%) histological confirmation: present Histological confirmation of cases: Full Extent of histological confirmation in cases (%): 100 Response rate for cases (%): 54 Response rate for controls (%): 62 Comments : Overall proxy use = 22.8%. Cases and controls come from a cancer registry, not from hospitals. Histological confirmation 95% for all cancers, not just for lung cancer
Results presented (current db)	Results presented by histological type: present Results presented for ever smokers: present
Other smoking/tob rel results	Results presented by pack-years: present

BAND

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Other non-smok-rel results	Results presented for other diseases: present
Confounders considered	Total number of confounders considered: 2 Results presented adjusted for age: 1 Results presented adj for year hospital admission: 1
BARBON Study description	Study title : Barbon Full study title : Italy Trieste CC study 1979-86 Study overlap/links: None Study sex : male Lowest age in study : 1 Highest age in study (at baseline): 99 Study race : all (in country) Continent : WEurope/Scandinavia Country in W Europe : Italy Start year of study : 1979 End year of study : 1986 Principal publication year: 1997 Reference ID of principal publication: BARBON1997 Number of lung cancer cases: 755 Number of controls/at risk: 755 Comments : Also BOVENZI1993, BOVENZI1992, BIGGER1996, BARBON1995A and BARBON1995
Study design	Study type : case/control Type of controls (for CC studies): decedents Control diseases/causes of death: Causes other than chronic lung diseases, cancer of the upper aerodigestive tract, urinary tract, pancreas, liver and GI system Type of population : general population Any proxy use : present Proxy use in cases (%): 100 Proxy use in controls (%): 100 Cases have full (100%) histological confirmation: present Histological confirmation of cases: Full Extent of histological confirmation in cases (%): 100 Response rate for cases (%): 80 Response rate for controls (%): 83 Cases and controls matched on age (CC): present Cases and controls matched on other (not sex/a/r): present
Results presented (current db)	Results presented by histological type: present Results presented for ex-smokers: present Results presented for current smokers: present Results presented for ever smokers: present Results presented by amount smoked: present Definition of ex-smoker: all ex-smokers Comments : Distribution of cases and controls by amount smoked differs between BARBON1997 and BARBON1995
Other smoking/ tob rel results	Results presented by age of starting to smoke: present Results presented by duration of smoking: present Results presented by pack-years: present Results presented by years since stopped smoking: present Mention of ETS (including in never smokers): present
Other non-smok-rel results	Results presented by risky occupational exposure: present Results presented by urban/rural: present Results presented by air pollution exposure: present
Confounders considered	Total number of confounders considered: 3 Results presented adjusted for age: 1 Results presented adjusted for risky occupation: 1 Results presented adjusted for urban/rural: 1

BECHER Study description

Study title : Becher
 Full study title : Germany pilot for BIPS CC study 1985-86
 Study overlap/links: None
 Study sex : both
 Lowest age in study : 1
 Highest age in study (at baseline): 99
 Study race : all (in country)
 Continent : WEurope/Scandinavia
 Country in W Europe : Germany
 Start year of study : 1985
 End year of study : 1986
 Principal publication year: 1991
 Reference ID of principal publication: BECHER1991
 Number of lung cancer cases: 194
 Number of controls/at risk: 388
 Comments : Also JOCKEL1992 and WICHMA1990

Study design

Study type : case/control
 Type of controls (for CC studies): healthy + diseased
 Control diseases/causes of death: Diseases unrelated to smoking
 Type of population : general population
 Cases and controls different interview setting: present
 Cases have full (100%) histological confirmation: present
 Histological confirmation of cases: Full
 Extent of histological confirmation in cases (%): 100
 Response rate for cases (%): 100
 Response rate for controls (%): 57
 Cases and controls matched on sex: present
 Cases and controls matched on age (CC): present

Results presented (current db)

Results presented by histological type: present
 Results presented for ex-smokers: present
 Results presented for current smokers: present
 Results presented for ever smokers: present
 Results presented by cigarette type: present
 Results for pipe+cigar smokers, not separately: present
 Definition of type of pipe: Western pipe
 Definition of ex-smoker: gave up >1 year
 Comments : Results using alternative current/ex smoker definition (5 years) available in JOCKEL1992 Table 3. Results for males by histologic type not suitable (only relative to base of low pack years or duration)

Other smoking/tob rel results

Results presented by pack-years: present
 Results presented by years since stopped smoking: present
 Results presented by nonsmoking interval: present

Confounders considered

Total number of confounders considered: 4
 Results presented adjusted for risky occupation: 1
 Results presented adjusted for aspects of smoking: 3

BENHAM Study description

Study title : Benhamou
 Full study title : France CC study 1976-80
 Study overlap/links: Subset of Lubin2
 Study sex : both
 Lowest age in study : 1
 Highest age in study (at baseline): 99
 Study race : all (in country)
 Continent : WEurope/Scandinavia
 Country in W Europe : France
 Start year of study : 1976
 End year of study : 1980
 Principal publication year: 1985
 Reference ID of principal publication: BENHAM1985
 Number of lung cancer cases: 1625
 Number of controls/at risk: 3091
 Comments : Also BENHAM1986, BENHAM1987, BENHAM1989, BENHAM1994 and BENHAM1994A. Results from this study also entered as combined results from seven centres (5 countries) in LUBIN2

Study design

Study type : case/control
 Type of controls (for CC studies): diseased/hospital
 Control diseases/causes of death: Exc tobacco-related diseases, cirrhosis
 Type of population : general population
 Cases have full (100%) histological confirmation: present
 Histological confirmation of cases: Full
 Extent of histological confirmation in cases (%): 100
 Cases and controls matched on sex: present
 Cases and controls matched on age (CC): present
 Cases and controls matched on other (not sex/a/r): present
 Comments : 64 (3%) male controls with tobacco related disease or cirrhosis were included. Response rate among controls described as vast majority

Results presented (current db)

Results presented by histological type: present
 Results presented for ex-smokers: present
 Results presented for current smokers: present
 Results presented for ever smokers: present
 Results presented by cigarette type: present
 Results presented for handrolled cig smokers: present
 Results presented for pipe smokers: present
 Results presented for cigar smokers: present
 Results presented by amount smoked: present
 Definition of handrolled cigarettes: Western HR
 Definition of type of pipe: Western pipe
 Definition of ex-smoker: gave up >1 year

Other smoking/tob rel results

Results presented by tar level: present
 Results presented by tobacco type: black/blond etc: present
 Results presented by inhalation level: present
 Results presented by age of starting to smoke: present
 Results presented by duration of smoking: present
 Results presented by years since stopped smoking: present
 Results presented by change in amount smoked: present
 Results presented by reasons for giving up: present

Other non-smok-rel results

Results presented by socio-economic status: present

Confounders considered

Total number of confounders considered: 9
 Results presented adjusted for age: 1
 Results presented adj for socioeconomic status: 1
 Results presented adjusted for aspects of smoking: 7

BENSHL Study description

Study title : Ben-Shlomo
 Full study title : UK Whitehall civil servants cohort study 1967-87
 Study overlap/links: Subset of TANG2
 Study sex : male
 Lowest age in study : 40
 Highest age in study (at baseline): 69
 Highest age in study at final followup: 89
 Study race : all (in country)
 Continent : WEurope/Scandinavia
 Country in W Europe : UK
 Start year of study : 1967
 End year of study : 1969
 Final follow up year: 1987
 Principal publication year: 1994
 Reference ID of principal publication: BENSHL1994
 Number of lung cancer cases: 486
 Number of controls/at risk: 19018
 Comments : Also HIGENB1982, MARMOT1984 and BORLAN1983. Subset of TANG2 which is used for F/P results only

Study design

Study type : prospective
 Prospective study : present
 Type of population : employed-specific industry/ies
 Histological confirmation of cases: Death certificate (unchecked)

Results presented (current db)

Results presented for ex-smokers: present
 Results presented for current smokers: present
 Results presented for ever smokers: present
 Results presented for pipe smokers: present
 Results presented for cigar smokers: present
 Results presented by amount smoked: present
 Definition of type of pipe: Western pipe
 Definition of ex-smoker: all ex-smokers

Other smoking/tob rel results

Results presented by tar level: present
 Results presented by inhalation level: present
 Results presented by duration of smoking: present
 Results presented by years since stopped smoking: present
 Results presented for product switch: present
 Results presented by CO delivery of cigarettes: present

Other non-smok-rel results

Results presented for other diseases: present
 Results presented by socio-economic status: present

Confounders considered

Total number of confounders considered: 2
 Results presented adjusted for age: 1
 Results presented adj for socioeconomic status: 1

BERRIN Study description

Study title : Berrino
 Full study title : Italy CC study 1977-80
 Study overlap/links: Subset of Lubin2
 Study sex : male
 Study race : all (in country)
 Continent : WEurope/Scandinavia
 Country in W Europe : Italy
 Start year of study : 1977
 End year of study : 1980
 Principal publication year: 1993
 Reference ID of principal publication: BENHAM1993D
 Number of lung cancer cases: 1101
 Number of controls/at risk: 1918
 Comments : Also HOLE1983. Results from this study also entered as combined results from seven centres (5 countries) in LUBIN2

Study design

Study type : case/control
 Type of controls (for CC studies): diseased/hospital
 Control diseases/causes of death: Without tobacco related disease
 Type of population : general population
 Cases have full (100%) histological confirmation: present
 Histological confirmation of cases: Full
 Extent of histological confirmation in cases (%): 100
 Cases and controls matched on age (CC): present
 Cases and controls matched on other (not sex/a/r): present

Results presented (current db)

Results presented for ever smokers: present
 Results presented by cigarette type: present

Other smoking/tob rel results

Results presented by tobacco type: black/blond etc: present

Confounders considered

Total number of confounders considered: 5
 Results presented adjusted for age: 1
 Results presented adjusted for aspects of smoking: 3
 Results presented adjusted for residence: 1

BEST Study description

Study title : Best
 Full study title : Canada war veteran pensioners cohort study 1955-62
 Study overlap/links: None
 Study sex : both
 Lowest age in study : 15
 Highest age in study (at baseline): 99
 Highest age in study at final followup: 99
 Study race : all (in country)
 Continent : NAmerica
 Country in N America: Canada
 Start year of study : 1955
 End year of study : 1956
 Final follow up year: 1962
 Principal publication year: 1966
 Reference ID of principal publication: DEPART1966
 Number of lung cancer cases: 381
 Number of controls/at risk: 91622
 Comments : Also BEST1961, BEST1964 and BEST1967

Study design

Study type : prospective
 Prospective study : present
 Type of population : Canadian veteran pensioners
 Histological confirmation of cases: Death cert (partial check)
 Response rate in prospective study at baseline (%): 57

BEST

(continued)

Results presented (current db)	Results presented for ex-smokers: present Results presented for current smokers: present Results presented for ever smokers: present Results presented for pipe smokers: present Results presented for cigar smokers: present Results presented by amount smoked: present Definition of type of pipe: Western pipe Definition of ex-smoker: all ex-smokers
Other smoking/tob rel results	Results presented by duration of smoking: present
Confounders considered	Total number of confounders considered: 1 Results presented adjusted for age: 1
BLOHMK Study description	Study title : Blohmke Full study title : Germany Heidelberg personality CC study Study overlap/links: None Study sex : male Lowest age in study : 1 Highest age in study (at baseline): 99 Study race : all (in country) Continent : WEurope/Scandinavia Country in W Europe : Germany Principal publication year: 1981 Reference ID of principal publication: BLOHMK1981 Number of lung cancer cases: 888 Number of controls/at risk: 888
Study design	Study type : case/control Type of controls (for CC studies): healthy Type of population : general population Cases and controls different interview setting: present Cases have full (100%) histological confirmation: present Histological confirmation of cases: Full Extent of histological confirmation in cases (%): 100 Cases and controls matched on age (CC): present Cases and controls matched on socioeconomic status: present Comments : Some cases from Austria
Results presented (current db)	Results presented for ex-smokers: present Results presented for current smokers: present Results presented for ever smokers: present Definition of ex-smoker: all ex-smokers

BLOT1	Study description	Study title : Blot 1 Full study title : US Georgia CC study 1970-76 Study overlap/links: None Study sex : male Lowest age in study : 1 Highest age in study (at baseline): 99 Study race : all (in country) Continent : NAmerica Country in N America: USA US state : Fla,Ga,SC,NC Start year of study : 1970 End year of study : 1976 Principal publication year: 1978 Reference ID of principal publication: BLOT1978 Number of lung cancer cases: 458 Number of controls/at risk: 553
	Study design	Study type : case/control Type of controls (for CC studies): diseased + decedents Control diseases/causes of death: Not lung or bladder cancer or chronic lung disease Type of population : gen pop long term resident Any proxy use : present Histological confirmation of cases: Diag (chk unkn) or Death cert Response rate for cases (%): 89 Response rate for controls (%): 87 Cases and controls matched on age (CC): present Cases and controls matched on race (CC): present Cases and controls matched on other (not sex/a/r): present
	Results presented (current db)	Results presented for ex-smokers: present Results presented for ever smokers: present Results presented by amount smoked: present Definition of ex-smoker: gave up >10 years
	Other non-smok-rel results	Results presented by risky occupational exposure: present
BLOT2	Study description	Study title : Blot 2 Full study title : US Tidewater Virginia CC study 1976 Study overlap/links: None Study sex : male Lowest age in study : 1 Highest age in study (at baseline): 99 Study race : all (in country) Continent : NAmerica Country in N America: USA US state : Pa,NJ,Md,WVa,Va,Del,WashDC Start year of study : 1976 End year of study : 1976 Principal publication year: 1980 Reference ID of principal publication: BLOT1980 Number of lung cancer cases: 336 Number of controls/at risk: 361 Comments : Also VINEIS1988A

BLOT3
(continued)

Results presented (current db) Results presented for ever smokers: present
Results presented by amount smoked: present
Comments : Not stated whether smoking is current or ever

Other non-smok-rel results Results presented by occupation: present

BLOT4 Study description Study title : Blot 4
Full study title : US Pennsylvania CC study 1974-77
Study overlap/links: None
Study sex : male
Lowest age in study : 30
Highest age in study (at baseline): 79
Study race : whites (inc hispanic)
Continent : NAmerica
Country in N America: USA
US state : Pa,NJ,Md,WVa,Va,Del,WashDC
Start year of study : 1974
End year of study : 1977
Principal publication year: 1983
Reference ID of principal publication: BLOT1983A
Number of lung cancer cases: 335
Number of controls/at risk: 332
Comments : Also VINEIS1988A

Study design Study type : case/control
Type of controls (for CC studies): decedents
Control diseases/causes of death: Non resp cancer/chronic disease, suicide
Type of population : general population
Any proxy use : present
Proxy use in cases (%): 100
Proxy use in controls (%): 100
Histological confirmation of cases: Partial
Extent of histological confirmation in cases (%): 82
Response rate for cases (%): 93
Response rate for controls (%): 92
Cases and controls matched on age (CC): present
Cases and controls matched on race (CC): present
Cases and controls matched on other (not sex/a/r): present

Results presented (current db) Results presented for ever smokers: present
Results presented by amount smoked: present

Other non-smok-rel results Results presented by risky occupational exposure: present

BOFFET Study description

Study title : Boffetta
 Full study title : West Europe cigar and pipe CC study 1988-94
 Study overlap/links: BOFFET-combined
 Study sex : male
 Lowest age in study : 1
 Highest age in study (at baseline): 75
 Study race : all (in country)
 Continent : WEurope/Scandinavia
 Country in W Europe : Multi
 Start year of study : 1988
 End year of study : 1994
 Principal publication year: 1999
 Reference ID of principal publication: BOFFET1999
 Number of lung cancer cases: 5621
 Number of controls/at risk: 7255
 Comments : JAHN is a subset of this study in Germany only, but giving extra smoking detail for male all LC, and additionally giving male results by histological type and female results

Study design

Study type : case/control
 Type of controls (for CC studies): healthy + diseased
 Control diseases/causes of death: Diseases unrelated to smoking
 Type of population : general population
 Any proxy use : present
 Histological confirmation of cases: Diagnosis (checking unknown)
 Comments : Conducted at 7 centres in Germany, Italy and Sweden. Hospital controls used at 1 centre (Italy 3), otherwise population samples. Proxies used at 1 centre (Sweden) where they represented 51% of the subjects

Results presented (current db)

Results presented for ex-smokers: present
 Results presented for current smokers: present
 Results presented for ever smokers: present
 Results presented for pipe smokers: present
 Results presented for cigar smokers: present
 Results presented by amount smoked: present
 More detailed results available (re current db): present
 Definition of type of pipe: Western pipe
 Definition of ex-smoker: all ex-smokers
 Comments : Results entered as cigars are for cigars and/or cigarillos. Results are also available for cigars and cigarillos separately

Other smoking/tob rel results

Results presented by inhalation level: present
 Results presented by age of starting to smoke: present
 Results presented by duration of smoking: present
 Results presented by pack-years: present
 Results presented by years since stopped smoking: present

Confounders considered

Total number of confounders considered: 2
 Results presented adjusted for age: 1
 Results presented adjusted for region: 1

BOUCHA Study description Study title : Bouchardy
 Full study title : France Paris CC study 1988-92
 Study overlap/links: None
 Study sex : both
 Lowest age in study : 1
 Highest age in study (at baseline): 99
 Study race : whites (inc hispanic)
 Continent : WEurope/Scandinavia
 Country in W Europe : France
 Start year of study : 1988
 End year of study : 1992
 Principal publication year: 1997
 Reference ID of principal publication: BOUCHA1997
 Number of lung cancer cases: 150
 Number of controls/at risk: 171

Study design Study type : case/control
 Type of controls (for CC studies): diseased/hospital
 Control diseases/causes of death: Patients without previous or actual malignant disease
 Type of population : general population
 Cases and controls from different hospitals: present different only where cases were from cancer hospitals
 Cases have full (100%) histological confirmation: present
 Histological confirmation of cases: Full
 Extent of histological confirmation in cases (%): 100
 Cases and controls matched on sex: present
 Cases and controls matched on age (CC): present
 Cases and controls matched on other (not sex/a/r): present
 Comments : All cases and controls were regular smokers

Results presented (current db) Results presented for ever smokers: present
 Results presented by amount smoked: present

Other smoking/tob rel results Results presented by duration of smoking: present

Other non-smok-rel results Results presented by genetic factors: present

BOUCOT Study description Study title : Boucot
 Full study title : US Philadelphia LC Research cohort study 1951-65
 Study overlap/links: None
 Study sex : male
 Lowest age in study : 45
 Highest age in study (at baseline): 99
 Highest age in study at final followup: 99
 Study race : all (in country)
 Continent : NAmerica
 Country in N America: USA
 US state : Pa,NJ,Md,WVa,Va,Del,WashDC
 Start year of study : 1951
 End year of study : 1955
 Final follow up year: 1965
 Principal publication year: 1972
 Reference ID of principal publication: BOUCOT1972
 Number of lung cancer cases: 121
 Number of controls/at risk: 6027
 Comments : Also BOUCOT1966 BOUCOT1964 and WEISS1972

BOUCOT
(continued)

Study design	Study type : prospective Prospective study : present Type of population : participants long term screening Histological confirmation of cases: Partial Extent of histological confirmation in cases (%): 78 Comments : Only results for new cases have been entered, i.e. excluding cancers recognised at initial screening
Results presented (current db)	Results presented by histological type: present Results presented for ex-smokers: present Results presented for current smokers: present Results presented for ever smokers: present Results presented for pipe smokers: present Results presented for cigar smokers: present Results presented by amount smoked: present Definition of type of pipe: Western pipe Definition of ex-smoker: unspecified
Other smoking/tob rel results	Results presented by duration of smoking: present
Other non-smok-rel results	Results presented by current medical conds/obs: present
Confounders considered	Total number of confounders considered: 2 Results presented adjusted for age: 1 Results presented adjusted for race: 1
BRESLO Study description	Study title : Breslow Full study title : US California CC study 1949-52 Study overlap/links: None Study sex : both Lowest age in study : 1 Highest age in study (at baseline): 99 Study race : all (in country) Continent : N America Country in N America: USA US state : Cal,Wash,Oreg Start year of study : 1949 End year of study : 1952 Principal publication year: 1954 Reference ID of principal publication: BRESLO1954 Number of lung cancer cases: 518 Number of controls/at risk: 518 Comments : Also BRESLO1955
Study design	Study type : case/control Type of controls (for CC studies): diseased/hospital Control diseases/causes of death: Other than cancer or chest disease Type of population : general population Cases have full (100%) histological confirmation: present Histological confirmation of cases: Full Extent of histological confirmation in cases (%): 100 Cases and controls matched on sex: present Cases and controls matched on age (CC): present Cases and controls matched on race (CC): present Cases and controls matched on other (not sex/a/r): present

BRESLO
(continued)

Results presented (current db) Results presented by histological type: present
Results presented for ever smokers: present
Results for pipe+cigar smokers, not separately: present
Results presented by amount smoked: present
Definition of type of pipe: Western pipe
Comments : Ever smoking refers to last 20 years. All products includes chew and snuff.
Sex-specific results deduced by assuming that females used cigarettes only

Other smoking/tob rel results Results presented by inhalation level: present
Results presented by age of starting to smoke: present
Results presented by smoking before breakfast: present

Other non-smok-rel results Results presented by current medical conds/obs: present

BRETT Study description Study title : Brett
Full study title : UK X-ray volunteers cohort study 1960-63
Study overlap/links: None
Study sex : male
Lowest age in study : 40
Highest age in study (at baseline): 99
Highest age in study at final followup: 99
Study race : all (in country)
Continent : WEurope/Scandinavia
Country in W Europe : UK
Start year of study : 1960
End year of study : 1960
Final follow up year: 1963
Principal publication year: 1968
Reference ID of principal publication: BRETT1968
Number of lung cancer cases: 150
Number of controls/at risk: 54460

Study design Study type : prospective
Prospective study : present
Type of population : industrial workers
Histological confirmation of cases: Diag (chk unkn) or Death cert
Comments : Subjects were volunteers for routine x-ray examination

Results presented (current db) Results presented for ex-smokers: present
Results presented for current smokers: present
Results presented for ever smokers: present
Results presented by amount smoked: present
Definition of ex-smoker: gave up >1 year

Other smoking/tob rel results Results pres for removal from mouth between puffs: present

Other non-smok-rel results Results presented for other diseases: present

BROCKM Study description Study title : Brockmoller
 Full study title : Germany Berlin CC study 1990-92
 Study overlap/links: None
 Study sex : both
 Lowest age in study : 1
 Highest age in study (at baseline): 84
 Study race : whites (inc hispanic)
 Continent : WEurope/Scandinavia
 Country in W Europe : Germany
 Start year of study : 1990
 End year of study : 1992
 Principal publication year: 1993
 Reference ID of principal publication: BROCKM1993
 Number of lung cancer cases: 117
 Number of controls/at risk: 155

Study design Study type : case/control
 Type of controls (for CC studies): diseased/hospital
 Control diseases/causes of death: Non cancer mainly pulmonary diagnoses
 Type of population : general population
 Cases have full (100%) histological confirmation: present
 Histological confirmation of cases: Full
 Extent of histological confirmation in cases (%): 100

Results presented (current db) Results presented for ever smokers: present

Other non-smok-rel results Results presented by genetic factors: present

BROSS Study description Study title : Bross
 Full study title : US Roswell Park Memorial CC study 1960-66
 Study overlap/links: GRAHAM/BROSS/BYERS1
 Study sex : male
 Lowest age in study : 1
 Highest age in study (at baseline): 99
 Study race : whites (inc hispanic)
 Continent : NAmerica
 Country in N America: USA
 US state : Vt,Me,NY,NH,Mass,RI,Conn
 Start year of study : 1960
 End year of study : 1966
 Principal publication year: 1968
 Reference ID of principal publication: BROSS1968A
 Number of lung cancer cases: 974
 Number of controls/at risk: 974
 Comments : Also BROSS1968. Overlapping studies at Roswell Park Memorial: GRAHAM may overlap slightly as it finished in 1960 (the start year of this study). BYERS1 (1957-1965) overlapped by several years both with this study and with GRAHAM, but only data by histologic type have been entered there, as they are not available from BROSS or GRAHAM

Study design Study type : case/control
 Type of controls (for CC studies): diseased/hospital
 Control diseases/causes of death: no neoplastic
 Type of population : general population
 Histological confirmation of cases: Diagnosis (checking unknown)
 Response rate for cases (%): 97
 Response rate for controls (%): 98
 Cases and controls matched on age (CC): present
 Cases and controls matched on other (not sex/a/r): present

BROSS

(continued)

Results presented (current db)	Results presented for ex-smokers: present Results presented for current smokers: present Results presented for ever smokers: present Results presented by cigarette type: present Results for pipe+cigar smokers, not separately: present Results presented by amount smoked: present More detailed results available (re current db): present Definition of type of pipe: Western pipe Definition of ex-smoker: unspecified Comments : Results by cigarette type include foreign brands, brand loyalty etc but are unclear
Other smoking/ tob rel results	Results presented by duration of smoking: present Results presented by pack-years: present Results presented by years since stopped smoking: present Results presented for product switch: present Results presented by cigarette size: present
BROWN1 Study description	Study title : Brownson 1 Full study title : US Colorado adenocarcinoma CC study 1979-82 Study overlap/links: None Study sex : both Lowest age in study : 1 Highest age in study (at baseline): 99 Study race : whites (inc hispanic) Continent : NAmerica Country in N America: USA US state : Colo,NMex Start year of study : 1979 End year of study : 1982 Principal publication year: 1987 Reference ID of principal publication: BROWNS1987 Number of lung cancer cases: 102 Number of controls/at risk: 131
Study design	Study type : case/control Type of controls (for CC studies): diseased + decedents Control diseases/causes of death: Cancers of the colon and bone marrow Type of population : general population Any proxy use : present Proxy use in cases (%): 69 Proxy use in controls (%): 40 Marked diff in proxy use for cases v controls: present Cases and controls different vital status: present Cases have full (100%) histological confirmation: present Histological confirmation of cases: Full Extent of histological confirmation in cases (%): 100 Response rate for cases (%): 68 Response rate for controls (%): 78 Cases and controls matched on sex: present Cases and controls matched on age (CC): present Comments : Controls group matched according to age and sex
Results presented (current db)	Results presented for ever smokers: present
Other smoking/ tob rel results	Results presented by pack-years: present Results presented by/for ETS in all/active smokers: present Mention of ETS (including in never smokers): present

BROWN1
(continued)

Confounders considered Total number of confounders considered: 1
 Results presented adjusted for age: 1
 Comments : Results adjusted for income, occupation and ETS (Table 3 BROWNS1987) not used as CIs seem suspiciously narrow and are not symmetrical about the RR

BROWN2 Study description

Study title : Brownson 2
 Full study title : US Missouri CC study 1984-90
 Study overlap/links: None
 Study sex : both
 Lowest age in study : 20
 Highest age in study (at baseline): 99
 Study race : whites (inc hispanic)
 Continent : NAmerica
 Country in N America: USA
 US state : Ark, Miss, La, Al
 Start year of study : 1984
 End year of study : 1990
 Principal publication year: 1992
 Reference ID of principal publication: BROWNS1992
 Number of lung cancer cases: 14596
 Number of controls/at risk: 36438

Study design

Study type : case/control
 Type of controls (for CC studies): diseased/hospital
 Control diseases/causes of death: Non smoking related other cancers
 Type of population : general population
 Cases have full (100%) histological confirmation: present
 Histological confirmation of cases: Full
 Extent of histological confirmation in cases (%): 100
 Response rate for cases (%): 92
 Response rate for controls (%): 81
 Cases and controls matched on sex: present
 Cases and controls matched on age (CC): present
 Comments : Controls frequency matched within 10 year age groups. Smoking histories from medical records at time of diagnosis

Results presented
(current db)

Results presented by histological type: present
 Results presented for ex-smokers: present
 Results presented for current smokers: present
 Results presented for ever smokers: present
 Results presented by amount smoked: present
 Definition of ex-smoker: unspecified
 Comments : Insufficient information to construct results for current vs non smokers

Confounders considered

Total number of confounders considered: 2
 Results presented adjusted for age: 1
 Results presented adjusted for risky occupation: 1

BROWN3 Study description Study title : Brownson 3
Full study title : US Missouri CC study 1986-91
Study overlap/links: None
Study sex : female
Lowest age in study : 30
Highest age in study (at baseline): 84
Study race : whites (inc hispanic)
Continent : NAmerica
Country in N America: USA
US state : Minn,Ia,Wis,Ill,Mo
Start year of study : 1986
End year of study : 1991
Principal publication year: 1997
Reference ID of principal publication: BROWNS1997
Number of lung cancer cases: 618
Number of controls/at risk: 1402
Comments : Also ALAVAN1995, ALAVAN1996, ALAVAN1994, ALAVAN1993 and ALAVAN1992

Study design Study type : case/control
Type of controls (for CC studies): healthy
Type of population : general population
Any proxy use : present
Proxy use in cases (%): 65
Marked diff in proxy use for cases v controls: present
Cases and controls different vital status: present
Histological confirmation of cases: Partial
Extent of histological confirmation in cases (%): 76
Response rate for cases (%): 95
Response rate for controls (%): 75
Cases and controls matched on age (CC): present

Results presented (current db) Results presented for ex-smokers: present
Definition of ex-smoker: gave up >15 years
Comments : Ex smokers also includes subjects who only smoked for less than one pack year

Other smoking/tob rel results Mention of ETS (including in never smokers): present

Other non-smok-rel results Results presented by previous medical history: present

Confounders considered Total number of confounders considered: 2
Results presented adjusted for age: 1
Results presented adjusted for ETS: 1

BUELL Study description Study title : Buell
Full study title : US California American Legion cohort study 1957-62
Study overlap/links: None
Study sex : male
Lowest age in study : 25
Highest age in study (at baseline): 99
Highest age in study at final followup: 99
Study race : all (in country)
Continent : NAmerica
Country in N America: USA
US state : Cal,Wash,Oreg
Start year of study : 1957
End year of study : 1957
Final follow up year: 1962
Principal publication year: 1967
Reference ID of principal publication: BUELL1967
Number of lung cancer cases: 304
Number of controls/at risk: 69868

BUELL

(continued)

Study design Study type : prospective
 Prospective study : present
 Type of population : American legion mag subscriber
 Histological confirmation of cases: Death certificate (unchecked)
 Response rate in prospective study at baseline (%): 55
 Comments : Response rate stated to be between 50 and 60%

Results presented (current db) Results presented for ever smokers: present
 Results presented by amount smoked: present

Other non-smok-rel results Results presented for other diseases: present
 Results presented for regions within study area: present
 Results presented by urban/rural: present

BUFFLE Study description Study title : Buffler
 Full study title : US Texas 6 counties CC study 1976-80
 Study overlap/links: None
 Study sex : both
 Lowest age in study : 30
 Highest age in study (at baseline): 79
 Study race : whites (inc hispanic)
 Continent : NAmerica
 Country in N America: USA
 US state : Tex
 Start year of study : 1976
 End year of study : 1980
 Principal publication year: 1984
 Reference ID of principal publication: BUFFLE1984
 Number of lung cancer cases: 943
 Number of controls/at risk: 955
 Comments : Also SHAW1991, IVES1984, IVES1988, POTTER1985 and BUFFLE1986. Results from IVES1984 and IVES1988 refer to Harris county only

Study design Study type : case/control
 Type of controls (for CC studies): healthy + decedents
 Control diseases/causes of death: Excluding respiratory cancer, chronic respiratory disease, substance specific respiratory disease, homicide or suicide
 Type of population : general population
 Any proxy use : present
 Proxy use in cases (%): 84
 Proxy use in controls (%): 81
 Histological confirmation of cases: Partial
 Response rate for cases (%): 75
 Response rate for controls (%): 70
 Cases and controls matched on sex: present
 Cases and controls matched on age (CC): present
 Cases and controls matched on race (CC): present
 Cases and controls matched on other (not sex/a/r): present
 Comments : All cases were histologically or cytologically confirmed

Results presented (current db) Results presented by histological type: present
 Results presented for ex-smokers: present
 Results presented for current smokers: present
 Results presented for ever smokers: present
 Results presented by cigarette type: present
 Results presented for handrolled cig smokers: present
 Results presented by amount smoked: present
 Definition of handrolled cigarettes: Western HR
 Definition of ex-smoker: unspecified

BUFFLE

(continued)

Other smoking/ tob rel results	Results presented by age of starting to smoke: present Results presented by duration of smoking: present Results presented by pack-years: present Results presented by years since stopped smoking: present Results presented by/for ETS in all/active smokers: present Mention of ETS (including in never smokers): present
Other non-smok-rel results	Results presented by level of education: present Results presented by occupation: present Results presented by place of birth: present Results presented by family history of lung cancer: present Results presented by risky occupational exposure: present Results presented by religion: present Results presented by vital status: present results presented by family med history (not LC): present Results presented by marital status: present Results presented by hair dryer use: present Results presented by family/spouse occupation: present
Confounders considered	Total number of confounders considered: 1 Results presented adjusted for age: 1
BYERS1 Study description	Study title : Byers 1 Full study title : US Roswell Park Memorial CC study 1957-65 Study overlap/links: GRAHAM/BROSS/BYERS1 Study sex : male Lowest age in study : 35 Highest age in study (at baseline): 79 Study race : whites (inc hispanic) Continent : N America Country in N America: USA US state : Vt,Me,NY,NH,Mass,RI,Conn Start year of study : 1957 End year of study : 1965 Principal publication year: 1985 Reference ID of principal publication: VENA1985 Number of lung cancer cases: 1002 Number of controls/at risk: 1119 Comments : Also VENA1982 and BYERS1984. Overlapping studies at Roswell Park Memorial: This study overlaps with both GRAHAM (1956-1960) and BROSS (1960-1966). Therefore only data by histologic type are entered here, as they are not available from the other two studies
Study design	Study type : case/control Type of controls (for CC studies): diseased/hospital Control diseases/causes of death: Nonneoplastic disease excluding primary disorders of the respiratory system, primary diagnosis of psychiatric disorders, diabetes mellitus and/or disorders affecting the gastrointestinal tract Type of population : general population Histological confirmation of cases: Partial
Results presented (current db)	Results presented by histological type: present Results presented for ever smokers: present
Other smoking/ tob rel results	Results presented by pack-years: present
Other non-smok-rel results	Results presented by dietary factors: present Results presented by risky occupational exposure: present

BYERS2 Study description Study title : Byers 2
 Full study title : US Western New York Diet CC study 1980-84
 Study overlap/links: None
 Study sex : both
 Lowest age in study : 35
 Highest age in study (at baseline): 79
 Study race : whites (inc hispanic)
 Continent : NAmerica
 Country in N America: USA
 US state : Vt,Me,NY,NH,Mass,RI,Conn
 Start year of study : 1980
 End year of study : 1984
 Principal publication year: 1987
 Reference ID of principal publication: BYERS1987
 Number of lung cancer cases: 448
 Number of controls/at risk: 897

Study design Study type : case/control
 Type of controls (for CC studies): healthy
 Type of population : general population
 Cases have full (100%) histological confirmation: present
 Histological confirmation of cases: Full
 Extent of histological confirmation in cases (%): 100
 Response rate for cases (%): 27
 Response rate for controls (%): 42
 Comments : Controls were pooled controls matched to cases in another study of 6 cancer sites, but were apparently not matched to the cases in this study

Results presented (current db) Results presented for current smokers: present

Other smoking/tob rel results Results presented by pack-years: present

CARPEN Study description Study title : Carpenter
 Full study title : US California Genetics CC study 1991-94
 Study overlap/links: None
 Study sex : both
 Lowest age in study : 40
 Highest age in study (at baseline): 84
 Study race : whites and blacks
 Continent : NAmerica
 Country in N America: USA
 US state : Cal,Wash,Oreg
 Start year of study : 1991
 End year of study : 1994
 Principal publication year: 1995
 Reference ID of principal publication: LONDON1995
 Number of lung cancer cases: 356
 Number of controls/at risk: 731
 Comments : Also LONDON1997, LONDON1996, LONDON1995B, CARPEN1998 and CARPEN1999

Study design Study type : case/control
 Type of controls (for CC studies): healthy
 Type of population : general population
 Histological confirmation of cases: Partial
 Response rate for cases (%): 41
 Response rate for controls (%): 23
 Cases and controls matched on sex: present
 Cases and controls matched on age (CC): present
 Cases and controls matched on race (CC): present
 Comments : Frequency matched by age (within 10-year intervals), ethnicity and sex.
 Controls were drivers (age <65), Medicare beneficiaries (age 65+)

CARPEN

(continued)

Results presented (current db)	Results presented by histological type: present Results presented for ex-smokers: present Results presented for current smokers: present Results presented for ever smokers: present Results presented by cigarette type: present More detailed results available (re current db): present Definition of ex-smoker: all ex-smokers Comments : CARPEN1999 has more detailed results on mentol cigarettes (proportion, exclusive/mixed, by race)
Other smoking/tob rel results	Results presented by pack-years: present Results presented by years since stopped smoking: present
Other non-smok-rel results	Results presented by genetic factors: present
Confounders considered	Total number of confounders considered: 5 Results presented adjusted for sex: present Results presented adjusted for age: 1 Results presented adjusted for race: 1 Results presented adjusted for aspects of smoking: 2
CASCO2 Study description	Study title : Cascorbi 2 Full study title : Germany Berlin NAT2 Genotyping CC study 1991-94 Study overlap/links: None Study sex : both Lowest age in study : 1 Highest age in study (at baseline): 99 Study race : whites (inc hispanic) Continent : WEurope/Scandinavia Country in W Europe : Germany Start year of study : 1991 End year of study : 1994 Principal publication year: 1996 Reference ID of principal publication: CASCOR1996 Number of lung cancer cases: 155 Number of controls/at risk: 310
Study design	Study type : case/control Type of controls (for CC studies): diseased/hospital Control diseases/causes of death: Nonmalignant lung disease Type of population : general population Cases and controls from different hospitals: present Histological confirmation of cases: Diagnosis (checking unknown) Cases and controls matched on sex: present Cases and controls matched on age (CC): present Comments : Only hospital control group entered here. Unmatched healthy volunteer group also available
Results presented (current db)	Results presented for ever smokers: present
Other smoking/tob rel results	Results presented by pack-years: present

CASCOR	Study description	Study title : Cascorbi 1 Full study title : Germany Berlin NAT2 Phenotyping CC study Study overlap/links: Roots/Cascor 1 Study sex : both Lowest age in study : 1 Highest age in study (at baseline): 99 Study race : whites (inc hispanic) Continent : WEurope/Scandinavia Country in W Europe : Germany Principal publication year: 1996 Reference ID of principal publication: CASCOR1996 Number of lung cancer cases: 389 Number of controls/at risk: 657 Comments : 220 of the cases are also included in ROOTS
	Study design	Study type : case/control Type of controls (for CC studies): diseased/hospital Control diseases/causes of death: Variety of nonmalignant disease Type of population : general population Cases have full (100%) histological confirmation: present Histological confirmation of cases: Full Extent of histological confirmation in cases (%): 100
	Results presented (current db)	Results presented for ever smokers: present
	Other smoking/tob rel results	Results presented by pack-years: present
CEDERL	Study description	Study title : Cederlof Full study title : Sweden cohort study 1963-89 Study overlap/links: None Study sex : both Lowest age in study : 18 Highest age in study (at baseline): 69 Highest age in study at final followup: 95 Study race : all (in country) Continent : WEurope/Scandinavia Country in W Europe : Sweden Start year of study : 1963 End year of study : 1963 Final follow up year: 1989 Principal publication year: 1975 Reference ID of principal publication: CEDERL1975 Number of lung cancer cases: 491 Number of controls/at risk: 51439 Comments : Also CARSTE1987, NORDLU1997 and NORDLU1999
	Study design	Study type : prospective Prospective study : present Type of population : general population Histological confirmation of cases: Death certificate (unchecked) Response rate in prospective study at baseline (%): 93 Comments : Number of male LC cases is approximate as smokers of tobacco other than cigarettes were excluded from analysis of final followup

CEDERL

(continued)

Results presented (current db) Results presented for ex-smokers: present
 Results presented for current smokers: present
 Results presented for ever smokers: present
 Results presented for pipe smokers: present
 Results presented for cigar smokers: present
 Results presented by amount smoked: present
 Definition of type of pipe: Western pipe
 Definition of ex-smoker: all ex-smokers
 Comments : Occasional smokers are excluded from the 10 year followup analysis (CEDERL1975), included in the never smoker denominator for the 26 year female analysis (NORDLU1997) and presented separately in the 26 year male analysis (NORDLU1999). (Not stated for the 16 year male analysis - CARSTEL1987)

Other smoking/tob rel results Results presented by inhalation level: present
 Results presented by age of starting to smoke: present
 Results presented by duration of smoking: present
 Results presented by pack-years: present
 Results presented by years since stopped smoking: present

Other non-smok-rel results Results presented by socio-economic status: present
 Results presented by urban/rural: present
 Results presented by alcohol consumption: present

Confounders considered Total number of confounders considered: 2
 Results presented adjusted for age: 1
 Results presented adjusted for urban/rural: 1

CHAN Study description Study title : Chan
 Full study title : Hong Kong 5 hospital CC study 1976-77
 Study overlap/links: Chan/LamWK2
 Study sex : both
 Lowest age in study : 1
 Highest age in study (at baseline): 99
 Study race : all (in country)
 Continent : Asia
 Country in Asia : HongKong
 Start year of study : 1976
 End year of study : 1977
 Principal publication year: 1979
 Reference ID of principal publication: CHAN1979
 Number of lung cancer cases: 397
 Number of controls/at risk: 393
 Comments : Also KOO1985, LAM1988 and CHAN1982. COLBOU1979 gives preliminary results for this study. Control group was reused by LAMWK2 and cases probably also overlap with that study

Study design Study type : case/control
 Type of controls (for CC studies): diseased/hospital
 Control diseases/causes of death: orthopaedic
 Type of population : general population
 Histological confirmation of cases: Partial
 Extent of histological confirmation in cases (%): 54
 Cases and controls matched on sex: present
 Comments : Non-response in cases described as some patients too ill

Results presented (current db) Results presented by histological type: present
 Results presented for ever smokers: present
 Results presented by cigarette type: present
 Results presented for handrolled cig smokers: present
 Results for pipe+cigar smokers, not separately: present
 More detailed results available (re current db): present
 Definition of handrolled cigarettes: Chinese tobacco HR
 Definition of type of pipe: water pipe
 Comments : Results for man cigs are available separately for Chinese, Western and both

CHAN

(continued)

Other smoking/
tob rel
results Results presented by pack-years: present
Mention of ETS (including in never smokers): present

Other
non-smok-rel
results Results presented by place of birth: present
Results presented by cooking/heating practice: present

CHANG

Study description Study title : Chang
Full study title : US California cholesterol cohort study 1972-91
Study overlap/links: None
Study sex : both
Lowest age in study : 40
Highest age in study (at baseline): 89
Study race : all (in country)
Continent : NAmerica
Country in N America: USA
US state : Cal,Wash,Oreg
Start year of study : 1972
End year of study : 1974
Final follow up year: 1991
Principal publication year: 1995
Reference ID of principal publication: CHANG1995
Number of lung cancer cases: 136
Number of controls/at risk: 4338

Study design Study type : prospective
Prospective study : present
Type of population : resident of elderly community
Histological confirmation of cases: Partial
Response rate in prospective study at baseline (%): 82
Comments : All races included but population predominately Caucasian. Final year is approximate date based on average 18 years of followup

Results presented (current db) Results presented for ex-smokers: present
Results presented for current smokers: present
Results presented for ever smokers: present
Results presented by amount smoked: present
Definition of ex-smoker: all ex-smokers
Comments : Alternative definition of ex smoker >2 years also available

CHATZI

Study description Study title : Chatzis
Full study title : Greece Athens CC study 1987-88
Study overlap/links: None
Study sex : both
Lowest age in study : 1
Highest age in study (at baseline): 99
Study race : all (in country)
Continent : EEurope/Balkans
Country in E Europe/Balkans: Greece
Start year of study : 1987
End year of study : 1988
Principal publication year: 1999
Reference ID of principal publication: CHATZI1999
Number of lung cancer cases: 282
Number of controls/at risk: 494

CHEN2 Study description Study title : Chen 2
Full study title : China Guangzhou CC study
Study overlap/links: None
Study sex : both
Lowest age in study : 1
Highest age in study (at baseline): 99
Study race : all (in country)
Continent : Asia
Country in Asia : China
Principal publication year: 1985
Reference ID of principal publication: CHEN1985
Number of lung cancer cases: 193
Number of controls/at risk: 193
Comments : Also YU1996A

Study design Study type : case/control
Type of controls (for CC studies): decedents
Control diseases/causes of death: Non-respiratory disease
Type of population : gen pop long term resident
Any proxy use : present
Proxy use in cases (%): 100
Proxy use in controls (%): 100
Histological confirmation of cases: Partial
Extent of histological confirmation in cases (%): 40
Cases and controls matched on sex: present
Cases and controls matched on age (CC): present
Cases and controls matched on other (not sex/a/r): present

Results presented (current db) Results presented for ever smokers: present
Results presented by amount smoked: present

Other smoking/tob rel results Results presented by age of starting to smoke: present
Results presented by duration of smoking: present

Other non-smok-rel results Results presented by cooking/heating practice: present

CHEN3 Study description Study title : Chen 3
Full study title : China Zhengzhou CC study
Study overlap/links: None
Study sex : both
Study race : all (in country)
Continent : Asia
Country in Asia : China
Principal publication year: 1984
Reference ID of principal publication: YU1996A
Number of lung cancer cases: 254
Number of controls/at risk: 254
Comments : Also CHEN1984 (missing) and LIU1992

Study design Study type : case/control
Type of controls (for CC studies): healthy
Any proxy use : present
Cases and controls different vital status: present
Cases and controls matched on sex: present
Cases and controls matched on age (CC): present
Cases and controls matched on other (not sex/a/r): present

Results presented (current db) Results presented for ever smokers: present

No abnormalities were found in any of the other cards examined

CHIAZZ Study description

Study title : Chiazze
 Full study title : US Owens-Corning Fiberglass Newark CCstudy 1940-82
 Study overlap/links: None
 Study sex : male
 Lowest age in study : 15
 Highest age in study (at baseline): 99
 Study race : all (in country)
 Continent : NAmerica
 Country in N America: USA
 US state : Mich,Ind,Oh,Tenn
 Start year of study : 1940
 End year of study : 1982
 Principal publication year: 1992
 Reference ID of principal publication: CHIAZZ1992
 Number of lung cancer cases: 144
 Number of controls/at risk: 260
 Comments : Also CHIAZZ1993

Study design

Study type : case/control
 Type of controls (for CC studies): healthy + decedents
 Control diseases/causes of death: Not respiratory disease, homi/suicide
 Type of population : employed-specific industry/ies
 Any proxy use : present
 Proxy use in cases (%): 100
 Proxy use in controls (%): 82
 Marked diff in proxy use for cases v controls: present
 Cases and controls different vital status: present
 Histological confirmation of cases: Death certificate (unchecked)
 Response rate for cases (%): 88
 Response rate for controls (%): 79
 Cases and controls matched on age (CC): present
 Cases and controls matched on other (not sex/a/r): present

Results presented (current db)

Results presented for ever smokers: present

Other smoking/tob rel results

Results presented by age of starting to smoke: present
 Results presented by pack-years: present

Other non-smok-rel results

Results presented for other diseases: present

Confounders considered

Total number of confounders considered: 11
 Results presented adjusted for age: 1
 Results presented adjusted for educational level: 1
 Results presented adjusted for risky occupation: 8
 Results presented adjusted for survival in cohort: present

CHOI	Study description	Study title : Choi Full study title : South Korea Cancer Centre CC study 1985-88 Study overlap/links: None Study sex : both Lowest age in study : 1 Highest age in study (at baseline): 99 Study race : all (in country) Continent : Asia Country in Asia : SKorea Start year of study : 1985 End year of study : 1988 Principal publication year: 1989 Reference ID of principal publication: CHOI1989 Number of lung cancer cases: 375 Number of controls/at risk: 750
	Study design	Study type : case/control Type of controls (for CC studies): diseased/hospital Control diseases/causes of death: Non smoking related cancers and diseases Type of population : general population Histological confirmation of cases: Partial Cases and controls matched on sex: present Cases and controls matched on age (CC): present Cases and controls matched on urban/rural status: present Comments : All cases were confirmed by cytological histopathological examination
	Results presented (current db)	Results presented by histological type: present Results presented for ex-smokers: present Results presented for current smokers: present Results presented for ever smokers: present Results presented by cigarette type: present Results presented by amount smoked: present Definition of ex-smoker: gave up >1 year Comments : Some results relative to never smokers reportedly adjusted for aspects of smoking and presented without CIs have not been entered
	Other smoking/tob rel results	Results presented by inhalation level: present Results presented by age of starting to smoke: present Results presented by duration of smoking: present Results presented by years since stopped smoking: present Results presented by fraction length smoked: present Results presented by/for ETS in all/active smokers: present
CHOW	Study description	Study title : Chow Full study title : US Lutheran Brotherhood Ins. cohort study 1966-86 Study overlap/links: None Study sex : male Lowest age in study : 35 Highest age in study (at baseline): 99 Highest age in study at final followup: 99 Study race : whites (inc hispanic) Continent : N America Country in N America: USA US state : all Start year of study : 1966 End year of study : 1966 Final follow up year: 1986 Principal publication year: 1992 Reference ID of principal publication: CHOW1992 Number of lung cancer cases: 219 Number of controls/at risk: 17633
	Study design	Study type : prospective Prospective study : present Type of population : Lutheran Insurance holders Histological confirmation of cases: Death certificate (unchecked) Response rate in prospective study at baseline (%): 68

CHOW

(continued)

Results presented (current db) Results presented for ex-smokers: present
 Results presented for current smokers: present
 Results presented for ever smokers: present
 Results for pipe+cigar smokers, not separately: present
 Results presented by amount smoked: present
 Definition of type of pipe: Western pipe
 Definition of ex-smoker: unspecified

Other smoking/tob rel results Results presented for snuff a/o chewing (combined): present

Confounders considered Total number of confounders considered: 2
 Results presented adjusted for age: 1
 Results presented adjusted for occupation (gen): 1

CHYOU Study description Study title : Chyou
 Full study title : US Hawaii Oahu Japanese cohort study 1965-90
 Study overlap/links: GOODMA/CHYOU
 Study sex : male
 Lowest age in study : 46
 Highest age in study (at baseline): 68
 Highest age in study at final followup: 90
 Study race : japanese
 Continent : NAmerica
 Country in N America: USA
 US state : Hi
 Start year of study : 1965
 End year of study : 1968
 Final follow up year: 1990
 Principal publication year: 1993
 Reference ID of principal publication: CHYOU1993
 Number of lung cancer cases: 227
 Number of controls/at risk: 7961
 Comments : Also CHYOU1992 and NOMURA1991. Subjects who died 1983-1985 are likely to have been included in study GOODMAN also

Study design Study type : prospective
 Prospective study : present
 Type of population : volunteers
 Cases have full (100%) histological confirmation: present
 Histological confirmation of cases: Full
 Extent of histological confirmation in cases (%): 100
 Response rate in prospective study at baseline (%): 72

Results presented (current db) Results presented by histological type: present
 Results presented for ex-smokers: present
 Results presented for current smokers: present
 Results presented for ever smokers: present
 More detailed results available (re current db): present
 Definition of ex-smoker: all ex-smokers
 Comments : NOMURA1991 Table 6 gives alternative results for never/ex/current which have not been entered because they differ by only one year of followup, but have major exclusions due to missing FEV results

Other smoking/tob rel results Results presented by pack-years: present
 Results presented by years since stopped smoking: present

Confounders considered Total number of confounders considered: 1
 Results presented adjusted for age: 1

COMSTO Study description Study title : Comstock
 Full study title : US Washington Co Serum Bank nested CCstudy 1975-93
 Study overlap/links: None
 Study sex : both
 Lowest age in study : 1
 Highest age in study (at baseline): 99
 Highest age in study at final followup: 99
 Study race : all (in country)
 Continent : NAmerica
 Country in N America: USA
 US state : Pa,NJ,Md,WVa,Va,Del,WashDC
 Start year of study : 1975
 End year of study : 1989
 Final follow up year: 1993
 Principal publication year: 1997
 Reference ID of principal publication: COMSTO1997
 Number of lung cancer cases: 258
 Number of controls/at risk: 515

Study design Study type : nested case/control
 Type of controls (for CC studies): healthy
 Type of population : general population
 Histological confirmation of cases: Death cert (partial check)
 Response rate in prospective study at baseline (%): 30
 Cases and controls matched on sex: present
 Cases and controls matched on age (CC): present
 Cases and controls matched on race (CC): present
 Cases and controls matched on other (not sex/a/r): present
 Comments : Cohort were volunteer for serum bank in 1974 or 1989. Approximately 30% of adult population participated on each occasion. Controls exclude death/diagnosis of cancer. Histological confirmation unknown, but 87% had LC type determined. There were two baseline surveys in 1974 and 1989 respectively. Cases were 1975-1993

Results presented (current db) Results presented by histological type: present
 Results presented for ex-smokers: present
 Results presented for current smokers: present
 Results presented for ever smokers: present
 Results for pipe+cigar smokers, not separately: present
 Results presented by amount smoked: present
 Definition of type of pipe: Western pipe
 Definition of ex-smoker: unspecified

Other non-smok-rel results Results presented by level of education: present

Confounders considered Total number of confounders considered: 1
 Results presented adjusted for age: 1

COOKSO Study description Study title : Cookson
 Full study title : Zimbabwe-Rhodesia Harare CC study 1961-72
 Study overlap/links: None
 Study sex : both
 Lowest age in study : 1
 Highest age in study (at baseline): 99
 Study race : blacks
 Continent : Africa
 Country in Africa : Zimbabwe - Rhodesia
 Start year of study : 1961
 End year of study : 1972
 Principal publication year: 1974
 Reference ID of principal publication: COOKSO1974
 Number of lung cancer cases: 234
 Number of controls/at risk: 100

Study design Study type : case/control
 Type of controls (for CC studies): diseased/hospital
 Control diseases/causes of death: Trauma
 Type of population : general population
 Cases and controls different interview setting: present
 Cases have full (100%) histological confirmation: present
 Histological confirmation of cases: Full
 Extent of histological confirmation in cases (%): 100
 Response rate for cases (%): 100
 Response rate for controls (%): 100
 Cases and controls matched on sex: present
 Cases and controls matched on age (CC): present
 Comments : All information on cases taken from hospital records (no interviews) while controls appear to have been interviewed. Assumed to be frequency matched on sex and age. Of 661 original patients, 319 without histological proof and a further 108 without smoking history were excluded from analysis

Results presented (current db) Results presented for ever smokers: present
 Results presented for pipe smokers: present
 Results presented by amount smoked: present
 Definition of type of pipe: Western pipe

Other smoking/tob rel results Results presented for snuff use: present

CORREA Study description Study title : Correa
 Full study title : US Louisiana CC study 1979-82
 Study overlap/links: None
 Study sex : both
 Lowest age in study : 1
 Highest age in study (at baseline): 99
 Study race : all (in country)
 Continent : NAmerica
 Country in N America: USA
 US state : Ark, Miss, La, Al
 Start year of study : 1979
 End year of study : 1982
 Principal publication year: 1984
 Reference ID of principal publication: CORREA1984
 Number of lung cancer cases: 1359
 Number of controls/at risk: 1494
 Comments : Also PICLEK1984, FONTHA1988A, HAYES1989A, VINEIS1988A and FALK1992

CORREA
(continued)

Study design	Study type : case/control Type of controls (for CC studies): diseased/hospital Control diseases/causes of death: Excl smoking-rel cancer & resp disease Type of population : general population Any proxy use : present Proxy use in cases (%): 27 Proxy use in controls (%): 11 Marked diff in proxy use for cases v controls: present Histological confirmation of cases: Partial Extent of histological confirmation in cases (%): 98 Response rate for cases (%): 76 Response rate for controls (%): 85 Cases and controls matched on sex: present Cases and controls matched on age (CC): present Cases and controls matched on race (CC): present Cases and controls matched on other (not sex/a/r): present
Results presented (current db)	Results presented by histological type: present Results presented for ex-smokers: present Results presented for current smokers: present Results presented for ever smokers: present Results presented by cigarette type: present Results presented for cigar smokers: present Results presented by amount smoked: present Definition of ex-smoker: gave up >3 years Comments : Ex-smoker definition of 3 yrs+ refers to main results (FONTHA1988A). Results on bronchioloalveolar (FALK1992) are for all ex-smokers
Other smoking/tob rel results	Results presented by inhalation level: present Results presented by age of starting to smoke: present Results presented by duration of smoking: present Results presented by pack-years: present Results presented by years since stopped smoking: present Results presented for chewing tobacco use: present
Other non-smok-rel results	Results presented by socio-economic status: present Results presented by dietary factors: present
Confounders considered	Total number of confounders considered: 6 Results presented adjusted for sex: present Results presented adjusted for age: 1 Results presented adjusted for race: 1 Results presented adjusted by type of respondent: 1 Results presented adjusted for aspects of smoking: 1 Results presented adjusted for region: 1

CPSI	Study description	Study title : CPS I Full study title : US ACS million person CPSI cohort study 1959-72 Study overlap/links: CPSI overall Study sex : both Lowest age in study : 30 Highest age in study (at baseline): 99 Highest age in study at final followup: 99 Study race : all (in country) Continent : NAmerica Country in N America: USA US state : multi (not all) Start year of study : 1959 End year of study : 1959 Final follow up year: 1972 Principal publication year: 1997 Reference ID of principal publication: BURNS1997C Number of lung cancer cases: 5138 Number of controls/at risk: 1078894 Comments : Also SHANKS1998, HAMMON1976, STELLM1989, HAMMON1972, HAMMON1985, HAMMON1971A, HAMMON1966, HAMMON1980, HAMMON1964F, HAMMON1965D, HAMMON1962A, HAMMON1961A, HAMMON1976A, HAMMON1963B, HAMMON1964, HAMMON1964A, HAMMON1964B, HAMMON1964C, HAMMON1965, HAMMON1965A, HAMMON1965B, HAMMON1965C, HAMMON1965F, HAMMON1965G, THUN1995, THUN1997, THUN1997C, and THUN 1997B. ENSTRO is a subset of this study - California only but longer followup
	Study design	Study type : prospective Prospective study : present Type of population : hh with person>45, no migr wkr Histological confirmation of cases: Death cert (partial check) Comments : Overall response rate not known as subjects were recruited by volunteers, but 3% of questionnaires rejected. Household with person over 45 were selected, then all persons over 30 completed questionnaire, except if too ill (although some of these completed by proxy respondent - HAMMON1966 p129) or illiterate (HAMMON1963B p1162)
	Results presented (current db)	Results presented by histological type: present Results presented for ex-smokers: present Results presented for current smokers: present Results presented for ever smokers: present Results presented for pipe smokers: present Results presented for cigar smokers: present Results presented by amount smoked: present Definition of type of pipe: Western pipe Definition of ex-smoker: all ex-smokers
	Other smoking/tob rel results	Results presented by tar level: present Results presented by inhalation level: present Results presented by age of starting to smoke: present Results presented by duration of smoking: present Results presented by years since stopped smoking: present Mention of ETS (including in never smokers): present
	Other non-smok-rel results	Results presented for other diseases: present Results presented by occupation: present

CPSI
(continued)

Confounders considered	Total number of confounders considered: 15 Results presented adjusted for age: 1 Results presented adjusted for race: 1 Results presented adjusted for educational level: 1 Results presented adjusted for marital status: 1 Results presented adjusted for risky occupation: 1 Results presented adjusted for alcohol: 1 Results presented adj for non-alcoholic drinks: 1 Results presented by medical history: 3 Results presented adjusted for aspects of smoking: 1 Results presented adjusted for urban/rural: 1 Results presented adj for family history cancer: 1 Results presented adjusted for religion: present Results presented adjusted for place of birth: 1 Comments : Adjustment for smoking is actually for snuff/chewing tobacco
CPSII Study description	Study title : CPS II Full study title : US 2nd ACS cancer prevention cohort study 1982-94 Study overlap/links: None Study sex : both Lowest age in study : 30 Highest age in study (at baseline): 99 Highest age in study at final followup: 99 Study race : all (in country) Continent : NAmerica Country in N America: USA US state : all Start year of study : 1982 End year of study : 1982 Final follow up year: 1994 Principal publication year: 1997 Reference ID of principal publication: THUN1997D Number of lung cancer cases: 3229 Number of controls/at risk: 1185106 Comments : Also JACOBS1999A, POPE1995, HALPER1993, THUN1995, THUN1997C, THUN1997, STELLM1989A, GARFIN1988, USSURG1990, USSURG1989, SAMET1991A, SHOPLA1991 CARDEN1994 and THUN1997B
Study design	Study type : prospective Prospective study : present Type of population : general population Histological confirmation of cases: Partial Comments : Number of cases from THUN1997D based on six year follow-up, never smokers + current cigarette only smokers. Hospital records checked for histological type for first 2 years only (THUN1997B) after which death certificates only were used
Results presented (current db)	Results presented by histological type: present Results presented for ex-smokers: present Results presented for current smokers: present Results presented for ever smokers: present Results presented by cigarette type: present Results presented for cigar smokers: present Results presented by amount smoked: present Definition of ex-smoker: all ex-smokers
Other smoking/tob rel results	Results presented by duration of smoking: present Results presented by years since stopped smoking: present
Other non-smok-rel results	Results presented for other diseases: present

CPSII
(continued)

Confounders considered	Total number of confounders considered: 2 Results presented adjusted for age: 1 Results presented adjusted for alcohol: 1
DAMBER Study description	Study title : Damber Full study title : Sweden North CC study 1972-77 Study overlap/links: None Study sex : male Lowest age in study : 1 Highest age in study (at baseline): 99 Study race : all (in country) Continent : WEurope/Scandinavia Country in W Europe : Sweden Start year of study : 1972 End year of study : 1977 Principal publication year: 1986 Reference ID of principal publication: DAMBER1986A Number of lung cancer cases: 579 Number of controls/at risk: 572 Comments : Also DAMBER1986, DAMBERQQQQ, LARSSO1982, DAMBER1987A, DAMBER1985, DAMBER1982 and DAMBER1985A
Study design	Study type : case/control Type of controls (for CC studies): decedents Control diseases/causes of death: Not lung cancer or suicide Type of population : general population Any proxy use : present Proxy use in cases (%): 100 Proxy use in controls (%): 100 Histological confirmation of cases: Partial Response rate for cases (%): 98 Response rate for controls (%): 96 Cases and controls matched on age (CC): present Cases and controls matched on other (not sex/a/r): present Comments : Results using living controls (not proxies) also available for cases up to age 80, but not entered here
Results presented (current db)	Results presented by histological type: present Results presented for ex-smokers: present Results presented for current smokers: present Results presented for ever smokers: present Results presented for pipe smokers: present Results presented for cigar smokers: present Results presented by amount smoked: present Definition of type of pipe: Western pipe Definition of ex-smoker: gave up >1 year
Other smoking/tob rel results	Results presented by age of starting to smoke: present Results presented by duration of smoking: present Results presented by years since stopped smoking: present
Other non-smok-rel results	Results presented for regions within study area: present Results presented by risky occupational exposure: present Results presented by risky exposure (nonoccup): present
Confounders considered	Total number of confounders considered: 1 Results presented adjusted for age: 1

DARBY	Study description	Study title : Darby Full study title : UK SW England radon CC study 1988-93 Study overlap/links: None Study sex : both Lowest age in study : 1 Highest age in study (at baseline): 74 Study race : whites (inc hispanic) Continent : WEurope/Scandinavia Country in W Europe : UK Start year of study : 1988 End year of study : 1993 Principal publication year: 1998 Reference ID of principal publication: DARBY1998 Number of lung cancer cases: 982 Number of controls/at risk: 3185
	Study design	Study type : case/control Type of controls (for CC studies): diseased/hospital Control diseases/causes of death: Non smoking related diseases Type of population : gen pop long term resident Cases and controls different interview setting: present Histological confirmation of cases: Partial Extent of histological confirmation in cases (%): 71 Response rate for cases (%): 73 Response rate for controls (%): 74 Cases and controls matched on sex: present Cases and controls matched on age (CC): present Cases and controls matched on other (not sex/a/r): present
	Results presented (current db)	Results presented for ex-smokers: present Results presented for current smokers: present Results presented for ever smokers: present Results for pipe+cigar smokers, not separately: present Results presented by amount smoked: present Definition of type of pipe: Western pipe Definition of ex-smoker: all ex-smokers
	Other smoking/tob rel results	Results presented by years since stopped smoking: present
DAVEYS	Study description	Study title : Davey Smith Full study title : Germany Thuringia (Schairer&Schoniger) CC 1930-41 Study overlap/links: None Study sex : both Lowest age in study : 1 Highest age in study (at baseline): 99 Study race : all (in country) Continent : WEurope/Scandinavia Country in W Europe : Germany Start year of study : 1930 End year of study : 1941 Principal publication year: 1943 Reference ID of principal publication: SCHAIR1943 Number of lung cancer cases: 109 Number of controls/at risk: 254 Comments : Also DAVEYS1995, PROCTO1997B. SCHAIR1943 was republished in translation as SCHAIR2001, and results have been taken from there

DAVEYS

(continued)

Study design	Study type : case/control Type of controls (for CC studies): diseased/hospital Control diseases/causes of death: Stomach or colon cancer Type of population : general population Any proxy use : present Proxy use in cases (%): 100 Proxy use in controls (%): 100 Histological confirmation of cases: Diagnosis (checking unknown) Response rate for cases (%): 56 Response rate for controls (%): 59 Comments : We have entered results only using stomach and colon cancer controls. Original control group also included cancers of tongue, oesophagus and prostate, and a groups of male population controls age 53-54 who replied to a postal questionnaire (presumably ca 1941)
Results presented (current db)	Results presented for ever smokers: present Results presented by amount smoked: present
Other non-smok-rel results	Results presented for other diseases: present
DEAN	
Study description	Study title : Dean 1 Full study title : South Africa CC study 1947-56 Study overlap/links: None Study sex : male Lowest age in study : 1 Highest age in study (at baseline): 99 Study race : whites (inc hispanic) Continent : Africa Country in Africa : South Africa Start year of study : 1947 End year of study : 1956 Principal publication year: 1961 Reference ID of principal publication: DEAN1961 Number of lung cancer cases: 603 Number of controls/at risk: 635 Comments : Also OETTLE1963
Study design	Study type : case/control Type of controls (for CC studies): decedents Control diseases/causes of death: Any Type of population : general population Any proxy use : present Proxy use in cases (%): 100 Proxy use in controls (%): 100 Histological confirmation of cases: Death certificate (unchecked) Response rate for cases (%): 54 Response rate for controls (%): 51 Cases and controls matched on age (CC): present Cases and controls matched on other (not sex/a/r): present
Results presented (current db)	Results presented for ever smokers: present Results presented for pipe smokers: present Results presented by amount smoked: present
Other non-smok-rel results	Results presented for regions within study area: present Results presented by place of birth: present Results presented by urban/rural: present

DEAN2	Study description	Study title : Dean 2 Full study title : UK/N Ireland CC study 1960-62 Study overlap/links: None Study sex : both Lowest age in study : 35 Highest age in study (at baseline): 99 Study race : all (in country) Continent : WEurope/Scandinavia Country in W Europe : UK Start year of study : 1960 End year of study : 1962 Principal publication year: 1966 Reference ID of principal publication: WICKEN1966 Number of lung cancer cases: 954 Number of controls/at risk: 954 Comments : Also DEAN1966
	Study design	Study type : case/control Type of controls (for CC studies): decedents Control diseases/causes of death: Non respiratory illness Type of population : general population Any proxy use : present Proxy use in cases (%): 100 Proxy use in controls (%): 100 Histological confirmation of cases: Death certificate (unchecked) Response rate for cases (%): 92 Cases and controls matched on sex: present Cases and controls matched on age (CC): present Cases and controls matched on other (not sex/a/r): present Comments : Only results for decedent controls entered here
	Results presented (current db)	Results presented for ex-smokers: present Results presented for current smokers: present Results presented for ever smokers: present Results presented by cigarette type: present Results for pipe+cigar smokers, not separately: present Results presented by amount smoked: present Definition of type of pipe: Western pipe Definition of ex-smoker: all ex-smokers
	Other smoking/tob rel results	Results presented by duration of smoking: present Results presented by years since stopped smoking: present
	Other non-smok-rel results	Results presented for other diseases: present Results presented for regions within study area: present Results presented by current medical conds/obs: present
DEAN3	Study description	Study title : Dean 3 Full study title : UK Cleveland Co CC study 1969-73 Study overlap/links: None Study sex : both Lowest age in study : 35 Highest age in study (at baseline): 99 Study race : all (in country) Continent : WEurope/Scandinavia Country in W Europe : UK Start year of study : 1969 End year of study : 1973 Principal publication year: 1977 Reference ID of principal publication: DEAN1977 Number of lung cancer cases: 766 Number of controls/at risk: 5521 Comments : Also DEAN1978A. DEAN1977A not used as covers substantially overlapping area with longer period of mortality, but was noted to be subject to bias due to timing of interview of control subjects.

DEAN3
(continued)

Study design	Study type : case/control Type of controls (for CC studies): healthy Type of population : general population Any proxy use : present Proxy use in cases (%): 100 Proxy use in controls (%): 51 Marked diff in proxy use for cases v controls: present Cases and controls different vital status: present Histological confirmation of cases: Death certificate (unchecked) Response rate for cases (%): 78 Response rate for controls (%): 93 Comments : cases are deaths in 1969 - 1972. Controls were interviewed in 1973
Results presented (current db)	Results presented for ex-smokers: present Results presented for current smokers: present Results presented for ever smokers: present Results presented by cigarette type: present Results presented for handrolled cig smokers: present Results presented for pipe smokers: present Results presented for cigar smokers: present Results presented by amount smoked: present More detailed results available (re current db): present Definition of handrolled cigarettes: Western HR Definition of type of pipe: Western pipe Definition of ex-smoker: all ex-smokers Comments : Results for current single product only refer to current and only ever single product. Results for current single product regardless of ex-other product are sometimes available but have not been entered. More detailed results are available for: different combinations of adjusting factors and for finer categories of numbers of cigarettes smoked
Other smoking/tob rel results	Results presented by inhalation level: present Results presented by age of starting to smoke: present Results presented by years since stopped smoking: present Results presented by time of plain-filter switch: present Results presented for product switch: present Results presented by cigarette size: present
Other non-smok-rel results	Results presented for other diseases: present
Confounders considered	Total number of confounders considered: 4 Results presented adjusted for age: 1 Results presented adj for socioeconomic status: 1 Results presented adjusted for aspects of smoking: 1 Results presented adjusted for region: 1

DEKLER Study description

Study title : de Klerk
 Full study title : Australia Kalgoorlie miners cohort study 1961-93
 Study overlap/links: None
 Study sex : male
 Study race : all (in country)
 Continent : Australasia
 Country in Australasia: Australia
 Start year of study : 1961
 End year of study : 1975
 Final follow up year: 1993
 Principal publication year: 1998
 Reference ID of principal publication: DEKLER1998
 Number of lung cancer cases: 138
 Number of controls/at risk: 2297
 Comments : ARMSTR1979 and DEKLER1995 provide earlier details on this cohort but are not included as they contain details of less than 100 lung cancer cases

Study design

Study type : prospective
 Prospective study : present
 Type of population : employed-specific industry/ies
 Histological confirmation of cases: Death certificate (unchecked)
 Response rate in prospective study at baseline (%): 95

Results presented (current db)

Results presented for ex-smokers: present
 Results presented for current smokers: present
 Results presented for ever smokers: present
 Results for pipe+cigar smokers, not separately: present
 Results presented by amount smoked: present
 Definition of type of pipe: Western pipe
 Definition of ex-smoker: unspecified

Confounders considered

Total number of confounders considered: 2
 Results presented by medical history: 1
 Results presented adjusted for curr medical obs: 1

DESTE2 Study description

Study title : De Stefani 2
 Full study title : Uruguay Montevideo CC study 1993-96
 Study overlap/links: None
 Study sex : both
 Lowest age in study : 30
 Highest age in study (at baseline): 89
 Study race : all (in country)
 Continent : SCAmerica
 Country in S/C America: Uruguay
 Start year of study : 1993
 End year of study : 1996
 Principal publication year: 1997
 Reference ID of principal publication: DESTEF1997A
 Number of lung cancer cases: 463
 Number of controls/at risk: 465
 Comments : Also DESTEF1998C, DENEOP1996, DESTEF1996A, DESTEF1996B, DESTEF1997 and MENDIL1998. Number of cases and controls taken from DESTEF1998C as this is the most recent publication but main details taken from DESTEF1997A as this is the most recent publication with comprehensive details (males only). Some results based on cases from different numbers of hospitals. DESTEF1996A includes women

DESTE2
(continued)

Study design	Study type : case/control Type of controls (for CC studies): diseased/hospital Control diseases/causes of death: Subjects with non-neoplastic conditions that were not nutritional disorders or related to smoking Type of population : general population Histological confirmation of cases: Partial Extent of histological confirmation in cases (%): 88 Response rate for cases (%): 96 Response rate for controls (%): 93 Cases and controls matched on sex: present Cases and controls matched on age (CC): present Cases and controls matched on urban/rural status: present Cases and controls matched on other (not sex/a/r): present Comments : Frequency matched
Results presented (current db)	Results presented by histological type: present Results presented for ex-smokers: present Results presented for current smokers: present Results presented for ever smokers: present Results presented by cigarette type: present Results presented for handrolled cig smokers: present Definition of handrolled cigarettes: Western HR Definition of ex-smoker: unspecified
Other smoking/tob rel results	Results presented by tobacco type: black/blond etc: present Results presented by pack-years: present
Other non-smok-rel results	Results presented by dietary factors: present Results presented by risky occupational exposure: present
Confounders considered	Total number of confounders considered: 7 Results presented adjusted for sex: present Results presented adjusted for age: 1 Results presented adjusted for educational level: 1 Results presented adjusted for body mass index: 1 Results presented adjusted for family hist lung ca: 1 Results presented adjusted for urban/rural: 1 Results presented adjusted for region: 1
DESTEF Study description	Study title : De Stefani 1 Full study title : Uruguay Montevideo CC study 1988-94 Study overlap/links: None Study sex : male Lowest age in study : 25 Highest age in study (at baseline): 84 Study race : all (in country) Continent : SCAmerica Country in S/C America: Uruguay Start year of study : 1988 End year of study : 1994 Principal publication year: 1996 Reference ID of principal publication: DESTEF1996 Number of lung cancer cases: 497 Number of controls/at risk: 497 Comments : Also DESTEF1994, DESTEF1993B and DESTEF1992A. DESTEF1994 and DESTEF1992A include additional subjects not histologically confirmed

DESTEF
(continued)

Study design	Study type : case/control Type of controls (for CC studies): diseased/hospital Control diseases/causes of death: Other non terminal, non mate related cancers or non neoplastic conditions Type of population : general population Cases have full (100%) histological confirmation: present Histological confirmation of cases: Full Extent of histological confirmation in cases (%): 100 Response rate for cases (%): 90 Cases and controls matched on age (CC): present Cases and controls matched on urban/rural status: present Cases and controls matched on other (not sex/a/r): present Comments : Frequency matched. DESTEF1994, DESTEF1993B and DESTEF1992A use controls: non-terminal, non-tobacco related cancers or non-neoplastic
Results presented (current db)	Results presented by histological type: present Results presented for ex-smokers: present Results presented for current smokers: present Results presented for ever smokers: present Results presented by cigarette type: present Results presented for handrolled cig smokers: present Results presented by amount smoked: present Definition of handrolled cigarettes: Western HR Definition of ex-smoker: all ex-smokers
Other smoking/tob rel results	Results presented by tobacco type: black/blond etc: present Results presented by duration of smoking: present Results presented by pack-years: present Results presented by years since stopped smoking: present
Other non-smok-rel results	Results presented by dietary factors: present Results presented by alcohol consumption: present
Confounders considered	Total number of confounders considered: 8 Results presented adjusted for age: 1 Results presented adjusted for educational level: 1 Results presented adjusted for aspects of smoking: 4 Results presented adjusted for urban/rural: 1 Results presented adjusted for region: 1
DOCKER Study description	Study title : Dockery Full study title : US Harvard six cities cohort study 1974-91 Study overlap/links: None Study sex : both Lowest age in study : 25 Highest age in study (at baseline): 74 Highest age in study at final followup: 91 Study race : whites (inc hispanic) Continent : NAmerica Country in N America: USA US state : multi (not all) Start year of study : 1974 End year of study : 1977 Final follow up year: 1991 Principal publication year: 1993 Reference ID of principal publication: DOCKER1993 Number of lung cancer cases: 120 Number of controls/at risk: 8111 Comments : Also FERRIS1979

DOCKER
(continued)

Study design	Study type : prospective Prospective study : present Type of population : general population Histological confirmation of cases: Death certificate (unchecked) Response rate in prospective study at baseline (%): 73
Results presented (current db)	Results presented for ex-smokers: present Results presented for current smokers: present Results presented for ever smokers: present Definition of ex-smoker: gave up >6 mths
Other non-smok-rel results	Results presented for other diseases: present
Confounders considered	Total number of confounders considered: 4 Results presented adjusted for sex: present Results presented adjusted for age: 1 Results presented adjusted for educational level: 1 Results presented adjusted for body mass index: 1
DOLL Study description	Study title : Doll 1 Full study title : UK original Doll and Hill CC study 1948-52 Study overlap/links: None Study sex : both Lowest age in study : 1 Highest age in study (at baseline): 74 Study race : all (in country) Continent : WEurope/Scandinavia Country in W Europe : UK Start year of study : 1948 End year of study : 1952 Principal publication year: 1952 Reference ID of principal publication: DOLL1952 Number of lung cancer cases: 1465 Number of controls/at risk: 1465 Comments : Also DOLL1950, DOLL1954B, DOLL1955A, DOLL1957
Study design	Study type : case/control Type of controls (for CC studies): diseased/hospital Control diseases/causes of death: general med/surg excl oral/resp cancers Type of population : general population Cases and controls from different hospitals: present Histological confirmation of cases: Partial Response rate for cases (%): 85 Cases and controls matched on sex: present Cases and controls matched on age (CC): present Cases and controls matched on other (not sex/a/r): present Comments : Histological confirmation given as 70% first order. Hospital usually same for cases/controls except few specialised hospitals.
Results presented (current db)	Results presented by histological type: present Results presented for ever smokers: present Results presented by cigarette type: present Results presented for pipe smokers: present Results presented by amount smoked: present More detailed results available (re current db): present Definition of type of pipe: Western pipe Comments : Various different calculation presented for amount smoked- average amount smoked daily over the 10 years preceeding onset of present illness selected. Results by histological type taken from DOLL1957 rather than DOLL1952 because histological slides were re-checked for the later paper

DOLL
(continued)

Other smoking/
tob rel
results Results presented by inhalation level: present
Results presented by age of starting to smoke: present
Results presented by duration of smoking: present
Results presented by years since stopped smoking: present
Results presented by cigarette holder use: present
Results presented for chewing tobacco use: present
Results presented for snuff use: present

Other
non-smok-rel
results Results presented for regions within study area: present
Results presented by site of lung cancer: present

Confounders
considered Total number of confounders considered: 1
Results presented adjusted for age: 1

DOLL2 Study description Study title : Doll 2
Full study title : UK British Doctors cohort study 1951-91
Study overlap/links: None
Study sex : both
Lowest age in study : 20
Highest age in study (at baseline): 99
Highest age in study at final followup: 99
Study race : all (in country)
Continent : WEurope/Scandinavia
Country in W Europe : UK
Start year of study : 1951
End year of study : 1951
Final follow up year: 1991
Principal publication year: 1994
Reference ID of principal publication: DOLL1994
Number of lung cancer cases: 920
Number of controls/at risk: 40633
Comments : Also DOLL1954, DOLL1956, DOLL1959, DOLL1959A, DOLL1964, DOLL1964A, DOLL1976,
DOLL1977A, DOLL1978B, DOLL1980, PETO1994A and PETOQQQA

Study design Study type : prospective
Prospective study : present
Type of population : employed-specific industry/ies
Histological confirmation of cases: Death cert (partial check)
Response rate in prospective study at baseline (%): 68
Comments : Repeat questionnaires were carried out for men in 1957, 1966, 1972, 1978 and
1990; for women in 1961 and 1973

Results
presented
(current db) Results presented for ex-smokers: present
Results presented for current smokers: present
Results presented for ever smokers: present
Results presented for pipe smokers: present
Results for pipe+cigar smokers, not separately: present
Results presented by amount smoked: present
Definition of type of pipe: Western pipe
Definition of ex-smoker: all ex-smokers
Comments : Results relate to smoking habit at most recent questionnaire, except for
results taken from DOLL1964 (10/11 years mortality followup) which relate to smoking at baseline

Other smoking/
tob rel
results Results presented by inhalation level: present
Results presented by age of starting to smoke: present
Results presented by years since stopped smoking: present
Results presented for product switch: present

Other
non-smok-rel
results Results presented by urban/rural: present

DOLL2
(continued)

Confounders considered	Total number of confounders considered: 1 Results presented adjusted for age: 1
DORANT Study description	Study title : Dorant Full study title : Netherlands case-cohort study 1986-89 Study overlap/links: None Study sex : both Lowest age in study : 55 Highest age in study (at baseline): 69 Highest age in study at final followup: 73 Study race : all (in country) Continent : WEurope/Scandinavia Country in W Europe : Netherlands Start year of study : 1986 End year of study : 1986 Final follow up year: 1989 Principal publication year: 1994 Reference ID of principal publication: DORANT1994 Number of lung cancer cases: 550 Number of controls/at risk: 3346 Comments : Also VANLOO1995, VANDEN1990A and VANDEN1993
Study design	Study type : case/cohort Type of controls (for CC studies): subcohort Type of population : general population Cases have full (100%) histological confirmation: present Histological confirmation of cases: Full Extent of histological confirmation in cases (%): 100 Response rate in prospective study at baseline (%): 35
Results presented (current db)	Results presented for ex-smokers: present Results presented for current smokers: present Results presented for ever smokers: present Results presented by amount smoked: present Definition of ex-smoker: unspecified
Other non-smok-rel results	Results presented by dietary factors: present
DORGAN Study description	Study title : Dorgan Full study title : US New Jersey CC study 1980-83 Study overlap/links: None Study sex : both Lowest age in study : 1 Highest age in study (at baseline): 99 Study race : all (in country) Continent : NAmerica Country in N America: USA US state : Pa,NJ,Md,WVa,Va,Del,WashDC Start year of study : 1980 End year of study : 1983 Principal publication year: 1993 Reference ID of principal publication: DORGAN1993 Number of lung cancer cases: 2026 Number of controls/at risk: 2065 Comments : Also SCHOEN1987, SCHOEN1990, SCHOEN1989, ZIEGLE1986A, WILCOX1988, HAYES1989A, VINEIS1988A and ZIEGLE1986B

DORGAN
(continued)

Study design	Study type : case/control Type of controls (for CC studies): healthy + decedents Control diseases/causes of death: Not LC or respiratory disease Type of population : general population Any proxy use : present Proxy use in cases (%): 43 Proxy use in controls (%): 46 Cases have full (100%) histological confirmation: present Histological confirmation of cases: Full Extent of histological confirmation in cases (%): 100 Response rate for cases (%): 73 Response rate for controls (%): 62 Cases and controls matched on sex: present Cases and controls matched on age (CC): present Cases and controls matched on race (CC): present Comments : Proxy rate for controls is for white men and all women only. Some controls frequency matched on age, rest not matched. Black males collected throughout study, but white males 1980-81 only, and females 1982-83 only
Results presented (current db)	Results presented by histological type: present Results presented for ex-smokers: present Results presented for current smokers: present Results presented for ever smokers: present Results for pipe+cigar smokers, not separately: present Results presented by amount smoked: present Definition of type of pipe: Western pipe Definition of ex-smoker: gave up >1 year
Other smoking/ tob rel results	Results presented by tar level: present Results presented by duration of smoking: present Results presented by years since stopped smoking: present
Other non-smok-rel results	Results presented by dietary factors: present Results presented by type of respondent: present Results presented by differentiation of LC: present
Confounders considered	Total number of confounders considered: 3 Results presented adjusted for age: 1 Results presented adjusted for race: 1 Results presented adjusted by type of respondent: 1
DORN Study description	Study title : Dorn Full study title : US Veterans cohort study 1954-80 Study overlap/links: None Study sex : male Lowest age in study : 30 Highest age in study (at baseline): 84 Highest age in study at final followup: 99 Study race : whites (inc hispanic) Continent : NAmerica Country in N America: USA US state : all Start year of study : 1954 End year of study : 1957 Final follow up year: 1980 Principal publication year: 1995 Reference ID of principal publication: MCLAUG1995A Number of lung cancer cases: 5097 Number of controls/at risk: 248046 Comments : Also HRUBEC1997, ROGOT1980, ROGOT1974, ROGOT1974A, DORN1959, DORN1960, KAHN1966, HERROL1972, ENSTRO1999B

DORN
(continued)

Study design	Study type : prospective Prospective study : present Type of population : US war veteran pensioners Histological confirmation of cases: Death cert (partial check) Response rate in prospective study at baseline (%): 84 Comments : Includes <0.5% women, and an even smaller percentage of non-white men. After 8 yrs followup, LC confirmed 47%, equivocal 16%, disproved 3% and unchecked 34% (HERROL1972)
Results presented (current db)	Results presented by histological type: present Results presented for ex-smokers: present Results presented for current smokers: present Results presented for ever smokers: present Results presented for pipe smokers: present Results presented for cigar smokers: present Results presented by amount smoked: present More detailed results available (re current db): present Definition of type of pipe: Western pipe Definition of ex-smoker: all ex-smokers Comments : More detail by amount smoked for ex-smokers of other products
Other smoking/tob rel results	Results presented by age of starting to smoke: present Results presented by years since stopped smoking: present Results presented by reasons for giving up: present Results presented by max number smoked: present
Other non-smok-rel results	Results presented for other diseases: present
Confounders considered	Total number of confounders considered: 2 Results presented adjusted for age: 1 Results presented adjusted for date of death: present
DOSEME Study description	Study title : Dosemeci Full study title : Turkey Istanbul CC study 1979-84 Study overlap/links: None Study sex : male Lowest age in study : 1 Highest age in study (at baseline): 99 Study race : all (in country) Continent : EEurope/Balkans Country in E Europe/Balkans: Turkey Start year of study : 1979 End year of study : 1984 Principal publication year: 1997 Reference ID of principal publication: DOSEME1997 Number of lung cancer cases: 1210 Number of controls/at risk: 829
Study design	Study type : case/control Type of controls (for CC studies): diseased/hospital Control diseases/causes of death: Cancers of salivary glands, small intestine, gallbladder, peritoneum,pleura, mediastinum, bones and joints, connective tissues, testis, eye, brain or thyroid that are not reported to be related to smoking and SUBJECTS found not to have cancer Type of population : industrial workers Histological confirmation of cases: Partial Extent of histological confirmation in cases (%): 67 Response rate for cases (%): 87 Comments :. The study population is industrial workers, excluding farmers and civil/military service workers
Results presented (current db)	Results presented by histological type: present Results presented for ever smokers: present Results presented by amount smoked: present

DOSEME

(continued)

Other smoking/
tob rel
results Results presented by duration of smoking: present
Results presented by pack-years: present

Other
non-smok-rel
results Results presented for other diseases: present

Confounders
considered Total number of confounders considered: 2
Results presented adjusted for age: 1
Results presented adjusted for alcohol: 1

DROSTE Study description Study title : Droste
Full study title : Belgium Antwerp CC study 1995-97
Study overlap/links: None
Study sex : male
Lowest age in study : 1
Highest age in study (at baseline): 99
Study race : all (in country)
Continent : WEurope/Scandinavia
Country in W Europe : Belgium
Start year of study : 1995
End year of study : 1997
Principal publication year: 1999
Reference ID of principal publication: DROSTE1999
Number of lung cancer cases: 478
Number of controls/at risk: 536

Study design Study type : case/control
Type of controls (for CC studies): diseased/hospital
Control diseases/causes of death: Without cancer or primary lung disease
Type of population : gen pop long term resident
Cases have full (100%) histological confirmation: present
Histological confirmation of cases: Full
Extent of histological confirmation in cases (%): 100

Results
presented
(current db) Results presented for ex-smokers: present
Results presented for current smokers: present
Results presented for ever smokers: present
Definition of ex-smoker: gave up >1 month

Other smoking/
tob rel
results Results presented by pack-years: present

Confounders
considered Total number of confounders considered: 4
Results presented adjusted for age: 1
Results presented adj for socioeconomic status: 1
Results presented adjusted for educational level: 1
Results presented adjusted for marital status: 1

DU	Study description	Study title : Du Full study title : China Guangzhou CC study 1985 Study overlap/links: None Study sex : both Lowest age in study : 1 Highest age in study (at baseline): 99 Study race : all (in country) Continent : Asia Country in Asia : China Start year of study : 1985 End year of study : 1985 Principal publication year: 1996 Reference ID of principal publication: DU1996 Number of lung cancer cases: 849 Number of controls/at risk: 849 Comments : Also DU1994 (Numbers of cases does not match exactly)
	Study design	Study type : case/control Type of controls (for CC studies): decedents Control diseases/causes of death: Non-cancer Type of population : gen pop long term resident Any proxy use : present Proxy use in cases (%): 100 Proxy use in controls (%): 100 Histological confirmation of cases: Death certificate (unchecked) Response rate for cases (%): 100 Response rate for controls (%): 100 Cases and controls matched on sex: present Cases and controls matched on age (CC): present Cases and controls matched on other (not sex/a/r): present
	Results presented (current db)	Results presented for ever smokers: present
	Other non-smok-rel results	Results presented by cooking/heating practice: present
		No abnormalities were found in any of the other cards examined
DUNN	Study description	Study title : Dunn Full study title : US California 9 occupations cohort study 1954-58 Study overlap/links: None Study sex : male Lowest age in study : 35 Highest age in study (at baseline): 64 Highest age in study at final followup: 68 Study race : all (in country) Continent : NAmerica Country in N America: USA US state : Cal,Wash,Oreg Start year of study : 1954 End year of study : 1958 Final follow up year: 1958 Principal publication year: 1960 Reference ID of principal publication: DUNN1960 Number of lung cancer cases: 139 Number of controls/at risk: 66794
	Study design	Study type : prospective Prospective study : present Type of population : employed-specific industry/ies Histological confirmation of cases: Death certificate (unchecked) Response rate in prospective study at baseline (%): 85

DUNN
(continued)

Results presented (current db) Results presented for ever smokers: present
Results presented by amount smoked: present

EBELIN Study description Study title : Ebeling
Full study title : Germany Berlin (Lichtenberg) CC study 1980-85
Study overlap/links: None
Study sex : male
Lowest age in study : 1
Highest age in study (at baseline): 69
Study race : all (in country)
Continent : WEurope/Scandinavia
Country in W Europe : Germany
Start year of study : 1980
End year of study : 1985
Principal publication year: 1987
Reference ID of principal publication: EBELIN1987
Number of lung cancer cases: 130
Number of controls/at risk: 260

Study design Study type : case/control
Type of controls (for CC studies): diseased/hospital
Control diseases/causes of death: From emergency surgery outpatients
Type of population : general population
Cases and controls from different hospitals: present
Cases and controls different interview setting: present
Histological confirmation of cases: Diagnosis (not checked)
Response rate for cases (%): 100
Cases and controls matched on age (CC): present
Comments : Info for cases taken from cancer registration interview at time of diagnosis

Results presented (current db) Results presented for ever smokers: present
Results presented by amount smoked: present

ENGELA Study description Study title : Engeland
Full study title : Norway cohort study 1964-93
Study overlap/links: None
Study sex : both
Lowest age in study : 32
Highest age in study (at baseline): 72
Highest age in study at final followup: 99
Study race : all (in country)
Continent : WEurope/Scandinavia
Country in W Europe : Norway
Start year of study : 1964
End year of study : 1965
Final follow up year: 1993
Principal publication year: 1996
Reference ID of principal publication: ENGELA1996
Number of lung cancer cases: 435
Number of controls/at risk: 26126
Comments : Also KVALE1983, KVALE1986 and LUND1981

Study design Study type : prospective
Prospective study : present
Type of population : gen pop + migrant siblings
Histological confirmation of cases: Partial
Extent of histological confirmation in cases (%): 80
Response rate in prospective study at baseline (%): 76

ENGELA

(continued)

Results presented (current db)	Results presented by histological type: present Results presented for ex-smokers: present Results presented for current smokers: present Results presented for ever smokers: present Results presented by cigarette type: present Results presented for handrolled cig smokers: present Results for pipe+cigar smokers, not separately: present Results presented by amount smoked: present Definition of handrolled cigarettes: Western HR Definition of type of pipe: Western pipe Definition of ex-smoker: gave up >5 years
Other smoking/tob rel results	Results presented by age of starting to smoke: present
Other non-smok-rel results	Results presented for other diseases: present Results presented by risky occupational exposure: present
Confounders considered	Total number of confounders considered: 7 Results presented adjusted for age: 1 Results presented adjusted for risky occupation: 1 Results presented adjusted for aspects of smoking: 4 Results presented adjusted for urban/rural: 1
ENSTRO Study description	Study title : Enstrom Full study title : US California CPSI cohort study 1959-97 Study overlap/links: Subset of CPSI Study sex : both Lowest age in study : 30 Highest age in study (at baseline): 99 Highest age in study at final followup: 99 Study race : all (in country) Continent : NAmerica Country in N America: USA US state : Cal,Wash,Oreg Start year of study : 1959 End year of study : 1959 Final follow up year: 1997 Principal publication year: 1999 Reference ID of principal publication: ENSTRO1999 Number of lung cancer cases: 2879 Number of controls/at risk: 118094 Comments : Subset of CPS I - California only, but much longer follow-up than main study
Study design	Study type : prospective Prospective study : present Type of population : volunteer interviewer's friend Histological confirmation of cases: Death certificate (unchecked)
Results presented (current db)	Results presented for current smokers: present Results presented by amount smoked: present Comments : Results for shorter followup period not used as overlap with CPS I
Confounders considered	Total number of confounders considered: 1 Results presented adjusted for age: 1

ESAKI	Study description	Study title : Esaki Full study title : Japan Omuta and Arao CC study 1961-71 Study overlap/links: None Study sex : both Lowest age in study : 1 Highest age in study (at baseline): 99 Study race : all (in country) Continent : Asia Country in Asia : Japan Start year of study : 1961 End year of study : 1971 Principal publication year: 1977 Reference ID of principal publication: ESAKI1977 Number of lung cancer cases: 245 Number of controls/at risk: 245
	Study design	Study type : case/control Type of controls (for CC studies): decedents Control diseases/causes of death: Excluding respiratory and skin cancers Type of population : general population Any proxy use : present Proxy use in cases (%): 100 Proxy use in controls (%): 100 Histological confirmation of cases: Death certificate (unchecked) Response rate for cases (%): 84 Response rate for controls (%): 84 Cases and controls matched on sex: present Cases and controls matched on age (CC): present Comments : Response rates are for case/controls pairs. We do not know the specific values for cases and controls
	Results presented (current db)	Results presented for ever smokers: present Results presented by amount smoked: present
FAN	Study description	Study title : Fan Full study title : China Sino-MONICA-Beijing Project CC study 1990-91 Study overlap/links: None Study sex : both Lowest age in study : 18 Highest age in study (at baseline): 80 Study race : all (in country) Continent : Asia Country in Asia : China Start year of study : 1990 End year of study : 1991 Principal publication year: 1994 Reference ID of principal publication: FAN1994 Number of lung cancer cases: 403 Number of controls/at risk: 1151
	Study design	Study type : case/control Type of controls (for CC studies): healthy Type of population : general population Any proxy use : present Histological confirmation of cases: Partial Cases and controls matched on sex: present Cases and controls matched on age (CC): present Cases and controls matched on other (not sex/a/r): present Comments : Confirmation by histology or cytology was 68%
	Results presented (current db)	Results presented by histological type: present Results presented for ever smokers: present Results presented by amount smoked: present

FAN

(continued)

Other smoking/
tob rel
results

Results presented by inhalation level: present
Results presented by duration of smoking: present

No abnormalities were found in any of the other cards examined

GAO

Study description

Study title : Gao 1
Full study title : China Shanghai CC study 1984-86
Study overlap/links: None
Study sex : both
Lowest age in study : 35
Highest age in study (at baseline): 69
Study race : all (in country)
Continent : Asia
Country in Asia : China
Start year of study : 1984
End year of study : 1986
Principal publication year: 1988
Reference ID of principal publication: GAO1988
Number of lung cancer cases: 1405
Number of controls/at risk: 1495
Comments : Also GAO1987 (results limited to females only) and GAO1987A,GAO1991,GAO1985,
ZHENG1988,ZHENG1987,LEVIN1987. YU1996A and LIU1992 also give a result for sexes combined

Study design

Study type : case/control
Type of controls (for CC studies): healthy
Type of population : general population
Cases and controls different interview setting: present
Histological confirmation of cases: Partial
Extent of histological confirmation in cases (%): 53
Response rate for cases (%): 100
Response rate for controls (%): 100
Cases and controls matched on sex: present
Cases and controls matched on age (CC): present
Comments : 187 additional cases excluded because died before interview. 6 cases
excluded because refused to cooperate. 35/1495 controls were replacements for first choice.
(GAO1987 contradicts this by saying that 71/735 female controls were replacements). Frequency
matched on age and sex

Results presented
(current db)

Results presented by histological type: present
Results presented for ex-smokers: present
Results presented for current smokers: present
Results presented for ever smokers: present
Results presented by amount smoked: present
Definition of ex-smoker: gave up >1 year

Other smoking/
tob rel
results

Results presented by age of starting to smoke: present
Results presented by duration of smoking: present
Results presented by years since stopped smoking: present
Mention of ETS (including in never smokers): present

Other
non-smok-rel
results

Results presented by occupation: present
Results presented by previous medical history: present

Confounders
considered

Total number of confounders considered: 2
Results presented adjusted for age: 1
Results presented adjusted for educational level: 1

GAO2	Study description	Study title : Gao 2 Full study title : Japan Tokai diet CC study 1988-91 Study overlap/links: None Study sex : male Lowest age in study : 1 Highest age in study (at baseline): 99 Study race : all (in country) Continent : Asia Country in Asia : Japan Start year of study : 1988 End year of study : 1991 Principal publication year: 1993 Reference ID of principal publication: GAO1993 Number of lung cancer cases: 282 Number of controls/at risk: 282 Comments : Also HAMAJI1994 (subset of cases 1988-1990, results not entered here)
	Study design	Study type : case/control Type of controls (for CC studies): diseased/hospital Control diseases/causes of death: No respiratory disease or evidence of cancer Type of population : general population Histological confirmation of cases: Partial Extent of histological confirmation in cases (%): 91 Response rate for cases (%): 100 Response rate for controls (%): 100 Cases and controls matched on age (CC): present Cases and controls matched on other (not sex/a/r): present
	Results presented (current db)	Results presented for ex-smokers: present Results presented for current smokers: present Results presented for ever smokers: present Results presented by amount smoked: present Definition of ex-smoker: gave up >1 year
	Other smoking/tob rel results	Results presented by age of starting to smoke: present Results presented by years since stopped smoking: present
	Other non-smok-rel results	Results presented by dietary factors: present
	Confounders considered	Total number of confounders considered: 1 Results presented adjusted for age: 1
GARCIA	Study description	Study title : Garcia-Closas Full study title : US Boston genetics CC study 1992-96 Study overlap/links: None Study sex : both Lowest age in study : 1 Highest age in study (at baseline): 99 Study race : all (in country) Continent : N America Country in N America: USA US state : Vt,Me,NY,NH,Mass,RI,Conn Start year of study : 1992 End year of study : 1996 Principal publication year: 1997 Reference ID of principal publication: GARCIA1997 Number of lung cancer cases: 416 Number of controls/at risk: 446 Comments : Also XU1996, LEE1998C, GARCIA1998

GARCIA
(continued)

Study design Study type : case/control
 Type of controls (for CC studies): healthy
 Type of population : general population
 Cases have full (100%) histological confirmation: present
 Histological confirmation of cases: Full
 Extent of histological confirmation in cases (%): 100
 Response rate for cases (%): 73
 Response rate for controls (%): 88
 Comments : Response rate for controls is approximate. 97% of cases and 98% of controls
 were white

Results presented (current db) Results presented for ex-smokers: present
 Results presented for current smokers: present
 Results presented for ever smokers: present
 Definition of ex-smoker: gave up >1 year

Other smoking/tob rel results Results presented by pack-years: present
 Results presented by years since stopped smoking: present
 Mention of ETS (including in never smokers): present

Other non-smok-rel results Results presented by genetic factors: present

GARDIN Study description Study title : Gardiner
 Full study title : UK/Scotland Airdrie avian CC study 1988-92
 Study overlap/links: None
 Study sex : both
 Lowest age in study : 1
 Highest age in study (at baseline): 99
 Study race : all (in country)
 Continent : WEurope/Scandinavia
 Country in W Europe : UK
 Start year of study : 1988
 End year of study : 1992
 Principal publication year: 1992
 Reference ID of principal publication: GARDIN1992A
 Number of lung cancer cases: 143
 Number of controls/at risk: 143
 Comments : Also GARDIN1992

Study design Study type : case/control
 Type of controls (for CC studies): diseased/hospital
 Control diseases/causes of death: Subjects with orthopaedic conditions
 Type of population : general population
 Any proxy use : present
 Proxy use in cases (%): 53
 Proxy use in controls (%): 8
 Marked diff in proxy use for cases v controls: present
 Cases and controls different vital status: present
 Histological confirmation of cases: Partial
 Extent of histological confirmation in cases (%): 81
 Cases and controls matched on sex: present
 Cases and controls matched on age (CC): present
 Cases and controls matched on other (not sex/a/r): present
 Comments : Results using a second control group (heart disease patients) have not been
 entered. A few case/control pairs were unmatched on place of interview

GARDIN
(continued)

Results presented (current db) Results presented for ex-smokers: present
Results presented for current smokers: present
Results presented for ever smokers: present
Results presented by cigarette type: present
Results presented for handrolled cig smokers: present
Results presented for pipe smokers: present
Results presented for cigar smokers: present
Definition of handrolled cigarettes: Western HR
Definition of type of pipe: Western pipe
Definition of ex-smoker: unspecified

GARSHI Study description Study title : Garshick
Full study title : US railroad workers diesel CC study 1981-82
Study overlap/links: None
Study sex : male
Lowest age in study : 25
Highest age in study (at baseline): 82
Study race : all (in country)
Continent : NAmerica
Country in N America: USA
US state : all
Start year of study : 1981
End year of study : 1982
Principal publication year: 1987
Reference ID of principal publication: GARSHI1987
Number of lung cancer cases: 1081
Number of controls/at risk: 1959

Study design Study type : case/control
Type of controls (for CC studies): decedents
Control diseases/causes of death: Not cancer, suicide, accident or unknown
Type of population : employed-specific industry/ies
Any proxy use : present
Proxy use in cases (%): 100
Proxy use in controls (%): 100
Histological confirmation of cases: Death certificate (unchecked)
Response rate for cases (%): 79
Cases and controls matched on age (CC): present
Cases and controls matched on other (not sex/a/r): present
Comments : Minimum 10 years employment on railroad implies minimum age about 25

Results presented (current db) Results presented for ex-smokers: present
Results presented for current smokers: present
Results presented for ever smokers: present
Results presented by amount smoked: present
Definition of ex-smoker: gave up >4 years

Other smoking/tob rel results Results presented by duration of smoking: present
Results presented by pack-years: present

Confounders considered Total number of confounders considered: 1
Results presented adjusted for age: 1

GENG	Study description	Study title : Geng Full study title : China Tianjin CC study Study overlap/links: None Study sex : both Lowest age in study : 1 Highest age in study (at baseline): 99 Study race : all (in country) Continent : Asia Country in Asia : China Principal publication year: 1994 Reference ID of principal publication: GENGL994 Number of lung cancer cases: 292 Number of controls/at risk: 292 Comments : GENGL988 is early part of this study
	Study design	Study type : case/control Type of controls (for CC studies): unstated Type of population : gen pop long term resident Histological confirmation of cases: Partial Cases and controls matched on sex: present Cases and controls matched on age (CC): present Cases and controls matched on race (CC): present Cases and controls matched on marital status: present Cases and controls matched on other (not sex/a/r): present Comments : Confirmation by histology OR cytology was 87% of cases
	Results presented (current db)	Results presented for ever smokers: present Results presented by amount smoked: present
	Other smoking/tob rel results	Results presented by inhalation level: present Results presented by age of starting to smoke: present Results presented by duration of smoking: present Mention of ETS (including in never smokers): present No abnormalities were found in any of the other cards examined
GER	Study description	Study title : Ger Full study title : Taiwan Tri-Service General Hospital 1990-91 Study overlap/links: None Study sex : both Lowest age in study : 1 Highest age in study (at baseline): 99 Study race : all (in country) Continent : Asia Country in Asia : Taiwan Start year of study : 1990 End year of study : 1991 Principal publication year: 1993 Reference ID of principal publication: GER1993 Number of lung cancer cases: 141 Number of controls/at risk: 564 Comments : Also GER1992

GER

(continued)

Study design	Study type : case/control Type of controls (for CC studies): healthy + diseased Control diseases/causes of death: Diseased controls from ophthalmology Type of population : general population Any proxy use : present Proxy use in cases (%): 21 Proxy use in controls (%): 14 Marked diff in proxy use for cases v controls: present Cases and controls different interview setting: present Histological confirmation of cases: Partial Response rate for cases (%): 92 Cases and controls matched on sex: present Cases and controls matched on age (CC): present Cases and controls matched on other (not sex/a/r): present Comments : All cases were either histologically or cytologically confirmed
Results presented (current db)	Results presented by histological type: present Results presented for ever smokers: present Results presented by amount smoked: present More detailed results available (re current db): present Comments : Matched analyses are also available but have not been entered
Other smoking/tob rel results	Results presented by inhalation level: present Results presented by duration of smoking: present Results presented by/for ETS in all/active smokers: present Mention of ETS (including in never smokers): present Results presented for inhalation frequency: present
Confounders considered	Total number of confounders considered: 17 Results presented adjusted for sex: present Results presented adjusted for age: 1 Results presented adjusted for risky occupation: 5 Results presented adjusted for dietary factors: 1 Results presented adjusted for cooking/heating: 2 Results presented by medical history: 2 Results presented adjusted for ETS: 1 Results presented adjusted for pet bird keeping: 1 Results presented adjusted for residence: 1 Results presented adjusted for date of interview: present Results presented adjusted for insurance status: present
GILLIS Study description	Study title : Gillis Full study title : UK/Scotland West CC study 1977-81 Study overlap/links: Subset of Lubin2 Study sex : male Lowest age in study : 1 Highest age in study (at baseline): 99 Study race : all (in country) Continent : WEurope/Scandinavia Country in W Europe : UK Start year of study : 1977 End year of study : 1981 Principal publication year: 1988 Reference ID of principal publication: GILLIS1988 Number of lung cancer cases: 656 Number of controls/at risk: 1312 Comments : Also HOLE1983. Results from this study also entered as combined results from seven centres (5 countries) in LUBIN2

GILLIS

(continued)

Study design	Study type : case/control Type of controls (for CC studies): diseased/hospital Control diseases/causes of death: No major tobacco related disease Type of population : general population Histological confirmation of cases: Partial Extent of histological confirmation in cases (%): 77 Cases and controls matched on age (CC): present Cases and controls matched on other (not sex/a/r): present
Results presented (current db)	Results presented by histological type: present Results presented for ex-smokers: present Results presented for current smokers: present Results presented for ever smokers: present Results presented by amount smoked: present Definition of ex-smoker: gave up >1 year
Other smoking/tob rel results	Results presented by tar level: present Results presented by inhalation level: present Results presented by pack-years: present Results presented by years since stopped smoking: present
Confounders considered	Total number of confounders considered: 3 Results presented adjusted for age: 1 Results presented adjusted for hospital in study: 1 Results presented adjusted for date of interview: present
GODLEY Study description	Study title : Godley Full study title : US 1966-68 NMFS & 1967 current pop survey CC study Study overlap/links: None Study sex : both Lowest age in study : 45 Highest age in study (at baseline): 79 Study race : all (in country) Continent : N America Country in N America: USA US state : all Start year of study : 1966 End year of study : 1968 Principal publication year: 1974 Reference ID of principal publication: GODLEY1974 Number of lung cancer cases: 1986 Number of controls/at risk: 60920 Comments : Also USDHEW1969A
Study design	Study type : case/control Type of controls (for CC studies): healthy Type of population : general population Any proxy use : present Proxy use in cases (%): 100 Proxy use in controls (%): 44 Marked diff in proxy use for cases v controls: present Cases and controls different interview setting: present Cases and controls different vital status: present Histological confirmation of cases: Death certificate (unchecked) Response rate for cases (%): 95 Response rate for controls (%): 95 Comments : Response rate for cases is for all causes of death, not just lung cancer. Proxy % among controls is approximate. Study included ages 35-84 (and study description generally refers to that age range) but only ages 45-79 analysed
Results presented (current db)	Results presented for ever smokers: present

GODLEY
(continued)

Other non-smok-rel results Results presented for other diseases: present

Confounders considered Total number of confounders considered: 1
Results presented adjusted for age: 1

GOLLED Study description Study title : Golledge
Full study title : UK Teeside CC study 1952-62
Study overlap/links: None
Study sex : male
Lowest age in study : 1
Highest age in study (at baseline): 99
Study race : all (in country)
Continent : WEurope/Scandinavia
Country in W Europe : UK
Start year of study : 1952
End year of study : 1962
Principal publication year: 1964
Reference ID of principal publication: GOLLED1964
Number of lung cancer cases: 443
Number of controls/at risk: 4552
Comments : Also WICKEN1964

Study design Study type : case/control
Type of controls (for CC studies): healthy
Type of population : general population
Any proxy use : present
Proxy use in cases (%): 100
Proxy use in controls (%): 55
Marked diff in proxy use for cases v controls: present
Cases and controls different vital status: present
Histological confirmation of cases: Diagnosis (not checked)
Response rate for cases (%): 88
Response rate for controls (%): 96
Comments : Study included both sexes; cases were all ages and controls age 16+; however results only presented for males age 35+. For controls, response rate refers to households, proxies to sexes combined and numbers to males. The study also had a sex- and age-matched control group of decedents, but no suitable results were available. Response rate is for sexes combined for controls and for males only for cases.

Results presented (current db) Results presented for ever smokers: present
Results for pipe+cigar smokers, not separately: present
Results presented by amount smoked: present
Definition of type of pipe: Western pipe

Other non-smok-rel results Results presented for regions within study area: present

Confounders considered Total number of confounders considered: 1
Results presented adjusted for age: 1

GOODMA Study description

Study title : Goodman
 Full study title : US Hawaii CC study 1983-85
 Study overlap/links: GOODMA/CHYOU
 Study sex : both
 Lowest age in study : 30
 Highest age in study (at baseline): 84
 Study race : white, jap, chin, filip, hawai
 Continent : NAmerica
 Country in N America: USA
 US state : Hi
 Start year of study : 1983
 End year of study : 1985
 Principal publication year: 1988
 Reference ID of principal publication: GOODMA1988
 Number of lung cancer cases: 326
 Number of controls/at risk: 865
 Comments : Also GOODMA1992C. Male japanese subjects age 66-83 are likely to have been included in study CHYOU also

Study design

Study type : case/control
 Type of controls (for CC studies): healthy
 Type of population : general population
 Any proxy use : present
 Proxy use in cases (%): 29
 Proxy use in controls (%): 7
 Marked diff in proxy use for cases v controls: present
 Cases have full (100%) histological confirmation: present
 Histological confirmation of cases: Full
 Extent of histological confirmation in cases (%): 100
 Response rate for cases (%): 56
 Response rate for controls (%): 63
 Cases and controls matched on sex: present
 Cases and controls matched on age (CC): present
 Comments : Controls frequency matched by sex and age group (5-year). Smokers who smoked pipe/cigars only and smokers with incomplete smoking history were treated as non-respondants

Results presented (current db)

Results presented for ex-smokers: present
 Results presented for current smokers: present
 Results presented for ever smokers: present
 Definition of ex-smoker: gave up >3 years

Other smoking/tob rel results

Results presented by pack-years: present

Other non-smok-rel results

Results presented by dietary factors: present

GRAHAM Study description

Study title : Graham
 Full study title : US Roswell Park Memorial CC study 1956-60
 Study overlap/links: GRAHAM/BROSS/BYERS1
 Study sex : male
 Lowest age in study : 1
 Highest age in study (at baseline): 99
 Study race : whites (inc hispanic)
 Continent : NAmerica
 Country in N America: USA
 US state : Vt,Me,NY,NH,Mass,RI,Conn
 Start year of study : 1956
 End year of study : 1960
 Principal publication year: 1971
 Reference ID of principal publication: GRAHAM1971
 Number of lung cancer cases: 685
 Number of controls/at risk: 1997
 Comments : Overlapping studies at Roswell Park Memorial: BROSS may overlap slightly as it started in 1960 (the end year of this study). BYERS1 (1957-1965) overlapped by several years both with this study and with BROSS, but only data by histological type have been entered there, as it is not available from GRAHAM or BROSS

Study design

Study type : case/control
 Type of controls (for CC studies): diseased/hospital
 Control diseases/causes of death: No respiratory/ smoking related illness
 Type of population : general population
 Histological confirmation of cases: Diagnosis (checking unknown)

Results presented (current db)

Results presented for ex-smokers: present
 Results presented for current smokers: present
 Results presented for ever smokers: present
 Results for pipe+cigar smokers, not separately: present
 More detailed results available (re current db): present
 Definition of type of pipe: Western pipe
 Definition of ex-smoker: all ex-smokers
 Comments : It is implied that there were no ex-smokers of pipe/cigar only, therefore denominator never cigs would be the same as never any

Other smoking/tob rel results

Results presented by duration of smoking: present
 Results presented by years since stopped smoking: present
 Results presented for product switch: present

Confounders considered

Total number of confounders considered: 1
 Results presented adjusted for age: 1

GREGOR Study description

Study title : Gregor
 Full study title : UK Brompton Hospital vitamin A CC study 1976-77
 Study overlap/links: None
 Study sex : both
 Lowest age in study : 1
 Highest age in study (at baseline): 99
 Study race : all (in country)
 Continent : WEurope/Scandinavia
 Country in W Europe : UK
 Start year of study : 1976
 End year of study : 1977
 Principal publication year: 1980
 Reference ID of principal publication: GREGOR1980
 Number of lung cancer cases: 104
 Number of controls/at risk: 176

GREGOR
(continued)

Study design	Study type : case/control Type of controls (for CC studies): diseased/hospital Control diseases/causes of death: Rheumatology/general med exc COPD Type of population : general population Cases and controls from different hospitals: present Cases have full (100%) histological confirmation: present Histological confirmation of cases: Full Extent of histological confirmation in cases (%): 100
Results presented (current db)	Results presented for ex-smokers: present Results presented for current smokers: present Results presented for ever smokers: present Definition of ex-smoker: unspecified
Other non-smok-rel results	Results presented by dietary factors: present
GSELL Study description	Study title : Gsell Full study title : Switzerland St Gallen CC study 1937-54 Study overlap/links: None Study sex : male Lowest age in study : 1 Highest age in study (at baseline): 99 Study race : all (in country) Continent : WEurope/Scandinavia Country in W Europe : Switzerland Start year of study : 1937 End year of study : 1954 Principal publication year: 1956 Reference ID of principal publication: GSELL1956 Number of lung cancer cases: 150 Number of controls/at risk: 150 Comments : Also GSELL1972
Study design	Study type : case/control Type of controls (for CC studies): diseased/hospital Control diseases/causes of death: Not suffering from bronchial carcinoma Type of population : general population Cases have full (100%) histological confirmation: present Histological confirmation of cases: Full Extent of histological confirmation in cases (%): 100 Response rate for cases (%): 91 Comments : Controls within the same age range as the cases, interviewed about their smoking habits in 1953-1954
Results presented (current db)	Results presented for ever smokers: present Results for pipe+cigar smokers, not separately: present Results presented by amount smoked: present More detailed results available (re current db): present Definition of type of pipe: Western pipe Comments : Results available by type of cigar

GUO	Study description	Study title : Guo Full study title : China Quanshan county Jiangsu CC study 1984-86 Study overlap/links: None Study sex : both Lowest age in study : 1 Highest age in study (at baseline): 99 Study race : all (in country) Continent : Asia Country in Asia : China Start year of study : 1984 End year of study : 1986 Principal publication year: 1992 Reference ID of principal publication: GUO1992 Number of lung cancer cases: 196 Number of controls/at risk: 196
	Study design	Study type : case/control Type of controls (for CC studies): healthy Type of population : general population Any proxy use : present Proxy use in cases (%): 100 Cases and controls different vital status: present Histological confirmation of cases: Partial Cases and controls matched on sex: present Cases and controls matched on age (CC): present Cases and controls matched on other (not sex/a/r): present Comments : Controls 1987
	Results presented (current db)	Comments : Table 1 cannot be used as it appears to be a fitted model, not independent results
	Other smoking/tob rel results	Results presented by age of starting to smoke: present Results presented by pack-years: present
	Other non-smok-rel results	Results presented by family history of lung cancer: present
	Confounders considered	Total number of confounders considered: 1 Results presented adjusted for family hist lung ca: 1
GURSEL	Study description	Study title : Gursel Full study title : Turkey 2 hospital CC study 1990-96 Study overlap/links: None Study sex : both Lowest age in study : 1 Highest age in study (at baseline): 99 Study race : all (in country) Continent : EEurope/Balkans Country in E Europe/Balkans: Turkey Start year of study : 1990 End year of study : 1996 Principal publication year: 1997 Reference ID of principal publication: GURSEL1997 Number of lung cancer cases: 953 Number of controls/at risk: 1522
	Study design	Study type : case/control Type of controls (for CC studies): diseased/hospital Control diseases/causes of death: not stated Type of population : general population Histological confirmation of cases: Partial

GURSEL
(continued)

Results presented for ex-smokers: present
 presented (current db) Definition of ex-smoker: gave up >1 year

Other smoking/tob rel results Results presented by years since stopped smoking: present

HAENSZ Study description Study title : Haenszel
 Full study title : US Multiple hospital CC study 1955-57
 Study overlap/links: None
 Study sex : female
 Lowest age in study : 1
 Highest age in study (at baseline): 99
 Study race : all (in country)
 Continent : NAmerica
 Country in N America: USA
 US state : multi (not all)
 Start year of study : 1955
 End year of study : 1957
 Principal publication year: 1958
 Reference ID of principal publication: HAENSZ1958
 Number of lung cancer cases: 158
 Number of controls/at risk: 339

Study design Study type : case/control
 Type of controls (for CC studies): diseased/hospital
 Control diseases/causes of death: Not lung cancer
 Type of population : general population
 Cases have full (100%) histological confirmation: present
 Histological confirmation of cases: Full
 Extent of histological confirmation in cases (%): 100
 Cases and controls matched on age (CC): present
 Comments : No age limit on cases, controls aged 35+

Results presented (current db) Results presented by histological type: present
 Results presented for ex-smokers: present
 Results presented for current smokers: present
 Results presented for ever smokers: present
 Results presented by amount smoked: present
 Definition of ex-smoker: unspecified

Other smoking/tob rel results Results presented by age of starting to smoke: present
 Results presented by duration of smoking: present
 Results presented by max number smoked: present

Confounders considered Total number of confounders considered: 2
 Results presented adjusted for age: 1
 Results presented adjusted for occupation (gen): 1
 Comments : Results were also presented adjusted for age only and for age and coffee,
 but as they were presented without CIs, only results adjusted for age and occupation have been
 entered

HAMMO2 Study description Study title : Hammond 2
 Full study title : US&Canada asbestos workers cohort study 1967-76
 Study overlap/links: None
 Study sex : male
 Lowest age in study : 15
 Highest age in study (at baseline): 99
 Highest age in study at final followup: 99
 Study race : all (in country)
 Continent : NAmerica
 Country in N America: USA and Canada
 US state : all
 Start year of study : 1967
 End year of study : 1967
 Final follow up year: 1976
 Principal publication year: 1979
 Reference ID of principal publication: HAMMON1979
 Number of lung cancer cases: 450
 Number of controls/at risk: 11656
 Comments : Also HAMMON1973, SELIKO1975A, SARACC1977 and NICHOL1977

Study design Study type : prospective
 Prospective study : present
 Type of population : employed-specific industry/ies
 Histological confirmation of cases: Death cert (partial check)
 Response rate in prospective study at baseline (%): 65

Results presented (current db) Results presented for ex-smokers: present
 Results presented for current smokers: present
 Results presented for ever smokers: present
 Results for pipe+cigar smokers, not separately: present
 Results presented by amount smoked: present
 Definition of type of pipe: Western pipe
 Definition of ex-smoker: all ex-smokers

Other smoking/tob rel results Results presented by years since stopped smoking: present

Other non-smok-rel results Results presented for other diseases: present

Confounders considered Total number of confounders considered: 1
 Results presented adjusted for age: 1

HAMMON Study description Study title : Hammond 1
 Full study title : US 9 state cohort study 1952-55
 Study overlap/links: None
 Study sex : male
 Lowest age in study : 50
 Highest age in study (at baseline): 69
 Highest age in study at final followup: 73
 Study race : whites (inc hispanic)
 Continent : NAmerica
 Country in N America: USA
 US state : multi (not all)
 Start year of study : 1952
 End year of study : 1952
 Final follow up year: 1955
 Principal publication year: 1958
 Reference ID of principal publication: HAMMON1958A
 Number of lung cancer cases: 448
 Number of controls/at risk: 187783
 Comments : Also HAMMON1954, HAMMON1958, HAMMON1958B, HAMMON1959, HAMMON1961E, HAMMON1962 and HAMMON1963A

HAMMON

(continued)

Study design Study type : prospective
 Prospective study : present
 Type of population : volunteer interviewer's friend
 Histological confirmation of cases: Death cert (partial check)
 Extent of histological confirmation in cases (%): 76
 Response rate in prospective study at baseline (%): 96

Results presented (current db) Results presented by histological type: present
 Results presented for ex-smokers: present
 Results presented for current smokers: present
 Results presented for ever smokers: present
 Results presented for pipe smokers: present
 Results presented for cigar smokers: present
 Results presented by amount smoked: present
 More detailed results available (re current db): present
 Definition of type of pipe: Western pipe
 Definition of ex-smoker: all ex-smokers
 Comments : Results entered are usually for regular smokers vs never smoked at all, with occasional smokers (any product) excluded. Results also available by age for 'not adeno' and adeno separately, not entered because numbers very small (HAMMON1958A, Tables 4,5)

Other smoking/tob rel results Results presented by years since stopped smoking: present

Other non-smok-rel results Results presented for other diseases: present
 Results presented by urban/rural: present

Confounders considered Total number of confounders considered: 1
 Results presented adjusted for age: 1

HANSEN Study description Study title : Hansen
 Full study title : Denmark welding companies cohort study 1968-86
 Study overlap/links: None
 Study sex : male
 Lowest age in study : 15
 Highest age in study (at baseline): 99
 Highest age in study at final followup: 99
 Study race : all (in country)
 Continent : WEurope/Scandinavia
 Country in W Europe : Denmark
 Start year of study : 1968
 End year of study : 1986
 Final follow up year: 1986
 Principal publication year: 1996
 Reference ID of principal publication: HANSEN1996A
 Number of lung cancer cases: 105
 Number of controls/at risk: 8372
 Comments : Overlapping study (not entered here as only 94 cases): same cases reported by LAURIT1996 (except finishing in 1985), analyses as a retrospective study of decedents

Study design Study type : prospective
 Prospective study : present
 Type of population : employed-specific industry/ies
 Any proxy use : present
 Proxy use in prospective study at baseline (%): 9
 Histological confirmation of cases: Diagnosis (checking unknown)
 Response rate in prospective study at baseline (%): 83
 Comments : Effectively a prospective study, since all cohort members (as defined by age and employment history criteria) were included in analysis. However data was collected retrospectively so that (nearly?) all LC cases were dead and thus proxy interview, whereas 91% of the whole cohort were alive (and living in Denmark) and therefore interviewed directly

HANSEN

(continued)

Results presented (current db) Results presented for ever smokers: present
Results presented by amount smoked: present

Other non-smok-rel results Results presented by risky occupational exposure: present

Confounders considered Total number of confounders considered: 2
Results presented adjusted for age: 1
Results presented adjusted for date of death: present

HEGMAN Study description Study title : Hegmann
Full study title : US Utah radon CC study 1989-91
Study overlap/links: None
Study sex : both
Lowest age in study : 40
Highest age in study (at baseline): 79
Study race : all (in country)
Continent : NAmerica
Country in N America: USA
US state : Nev,Ut,Ariz
Start year of study : 1989
End year of study : 1991
Principal publication year: 1993
Reference ID of principal publication: HEGMAN1993
Number of lung cancer cases: 282
Number of controls/at risk: 3282
Comments : Also HEGMAN1992

Study design Study type : case/control
Type of controls (for CC studies): healthy
Type of population : general population
Any proxy use : present
Proxy use in cases (%): 42
Proxy use in controls (%): 5
Marked diff in proxy use for cases v controls: present
Cases and controls different vital status: present
Cases have full (100%) histological confirmation: present
Histological confirmation of cases: Full
Extent of histological confirmation in cases (%): 100
Response rate for cases (%): 70
Response rate for controls (%): 69
Cases and controls matched on sex: present
Cases and controls matched on age (CC): present
Comments : Controls frequency matched by age and sex. Controls alive, cases mixture of
alive and dead

Results presented (current db) Results presented by histological type: present
Results presented for ever smokers: present

Other smoking/tob rel results Results presented by age of starting to smoke: present
Results presented by pack-years: present

HEIN	Study description	Study title : Hein Full study title : Denmark Copenhagen Male cohort study 1970-88 Study overlap/links: Subset of PRESCO Study sex : male Lowest age in study : 40 Highest age in study (at baseline): 59 Highest age in study at final followup: 76 Study race : all (in country) Continent : WEurope/Scandinavia Country in W Europe : Denmark Start year of study : 1970 End year of study : 1971 Final follow up year: 1988 Principal publication year: 1992 Reference ID of principal publication: HEIN1992 Number of lung cancer cases: 144 Number of controls/at risk: 4931
	Study design	Study type : prospective Prospective study : present Type of population : employed persons Histological confirmation of cases: Diagnosis (checking unknown) Response rate in prospective study at baseline (%): 94
	Results presented (current db)	Results presented for ex-smokers: present Results presented for current smokers: present Results presented for ever smokers: present Results presented for pipe smokers: present Results presented for cigar smokers: present Definition of type of pipe: Western pipe Definition of ex-smoker: gave up >1 month
	Other smoking/ tob rel results	Results presented by inhalation level: present
	Other non-smok-rel results	Results presented by socio-economic status: present
HENNEK	Study description	Study title : Hennekens Full study title : US doctors betacarotene trial cohort study 1982-95 Study overlap/links: None Study sex : male Lowest age in study : 40 Highest age in study (at baseline): 84 Highest age in study at final followup: 98 Study race : all (in country) Continent : NAmerica Country in N America: USA US state : all Start year of study : 1982 End year of study : 1982 Final follow up year: 1995 Principal publication year: 1996 Reference ID of principal publication: HENNEK1996 Number of lung cancer cases: 169 Number of controls/at risk: 22071 Comments : Also STEERI1988A

HENNEK
(continued)

Study design	Study type : prospective Prospective study : present Type of population : employed-specific industry/ies Histological confirmation of cases: Partial Extent of histological confirmation in cases (%): 95 Response rate in prospective study at baseline (%): 23 Comments : Histological confirmation refers to confirmation of death report (any cause), which for malignant neoplasm required pathology report
Results presented (current db)	Results presented for ex-smokers: present Results presented for current smokers: present Results presented for ever smokers: present Definition of ex-smoker: unspecified
HINDS	
Study description	Study title : Hinds Full study title : US Hawaii CC study 1968-78 Study overlap/links: None Study sex : female Lowest age in study : 1 Highest age in study (at baseline): 99 Study race : chinese, japanese & hawaiian Continent : NAmerica Country in N America: USA US state : Hi Start year of study : 1968 End year of study : 1978 Principal publication year: 1981 Reference ID of principal publication: HINDS1981 Number of lung cancer cases: 292 Number of controls/at risk: 2404
Study design	Study type : case/control Type of controls (for CC studies): healthy Type of population : general population Cases and controls different interview setting: present Histological confirmation of cases: Partial Extent of histological confirmation in cases (%): 73 Response rate for cases (%): 74 Response rate for controls (%): 99 Comments : Information for cases taken from hospital records, cases interviewed 1975-1977
Results presented (current db)	Results presented by histological type: present Results presented for ever smokers: present
Other non-smok-rel results	Results presented by socio-economic status: present Results presented by place of birth: present
Confounders considered	Total number of confounders considered: 3 Results presented adjusted for age: 1 Results presented adjusted for race: 1 Results presented adj for socioeconomic status: 1

HIRAOK Study description Study title : Hiraoka
 Full study title : Japan Kitakyushu asbestos CC study 1979-88
 Study overlap/links: None
 Study sex : both
 Lowest age in study : 1
 Highest age in study (at baseline): 99
 Study race : all (in country)
 Continent : Asia
 Country in Asia : Japan
 Start year of study : 1979
 End year of study : 1988
 Principal publication year: 1990
 Reference ID of principal publication: HIRAOK1990
 Number of lung cancer cases: 439
 Number of controls/at risk: 356

Study design Study type : case/control
 Type of controls (for CC studies): diseased/hospital
 Control diseases/causes of death: Diseases other than lung cancer
 Type of population : general population
 Any proxy use : present
 Cases and controls from different hospitals: present
 Cases and controls different vital status: present
 Cases have full (100%) histological confirmation: present
 Histological confirmation of cases: Full
 Extent of histological confirmation in cases (%): 100
 Response rate for cases (%): 94
 Response rate for controls (%): 96
 Comments : Controls not matched on sex, aged 35 or older, only taken from one of the seven hospitals that cases came from. Information gathered from hospital records and proxy interviews

Results presented (current db) Results presented for ever smokers: present
 Results presented by amount smoked: present

Other non-smok-rel results Results presented by asbestos bodies in lung: present

HIRAY2 Study description Study title : Hirayama 2
 Full study title : Japan Tokyo CC study 1950-52
 Study overlap/links: None
 Study sex : male
 Lowest age in study : 1
 Highest age in study (at baseline): 99
 Study race : all (in country)
 Continent : Asia
 Country in Asia : Japan
 Start year of study : 1950
 End year of study : 1952
 Principal publication year: 1955
 Reference ID of principal publication: HIRAYA1955
 Number of lung cancer cases: 145
 Number of controls/at risk: 1782
 Comments : Also HIRAYA1967B

Study design Study type : case/control
 Type of controls (for CC studies): unstated
 Cases and controls matched on age (CC): present
 Comments : Control cases adjusted to the age distribution of the cases. Some results for females are presented, but appear to be based on cases only

HIRAYA2
(continued)

Results presented (current db)	Results presented for current smokers: present Results presented for pipe smokers: present Results presented by amount smoked: present Definition of type of pipe: Kizami Comments : Unclear whether results refer to current of ever smokers
Confounders considered	Total number of confounders considered: 1 Results presented adjusted for age: 1
HIRAYA Study description	Study title : Hirayama 1 Full study title : Japan 6 prefecture cohort study 1965-82 Study overlap/links: None Study sex : both Lowest age in study : 40 Highest age in study (at baseline): 99 Highest age in study at final followup: 99 Study race : all (in country) Continent : Asia Country in Asia : Japan Start year of study : 1965 End year of study : 1965 Final follow up year: 1982 Principal publication year: 1990 Reference ID of principal publication: HIRAYA1990B Number of lung cancer cases: 1917 Number of controls/at risk: 265118 Comments : Also HIRAYA1981D, HIRAYAQQQQA, AKIBA1990, HIRAYA1967B, HIRAYA1970, HIRAYA1973, HIRAYA1974A, HIRAYA1974, HIRAYA1975, HIRAYA1977A, HIRAYA1977B, HIRAYA1979, HIRAYA1982, HIRAYA1981A, HIRAYA1967, HIRAYA1990D, HIRAYA1988, HIRAYA1984A
Study design	Study type : prospective Prospective study : present Type of population : general population Histological confirmation of cases: Death certificate (unchecked) Response rate in prospective study at baseline (%): 94 Comments : Total number at risk=265118. Subjects who moved away from their original district were excluded from analysis
Results presented (current db)	Results presented for ex-smokers: present Results presented for current smokers: present Results presented for ever smokers: present Results presented by amount smoked: present Definition of ex-smoker: unspecified Comments : Smoking of kizami and other products are included in the questionnaire but are not mentioned in any report, so it is not clear whether such smokers were excluded from analysis or included in the nonsmoker group
Other smoking/tob rel results	Results presented by age of starting to smoke: present Results presented by pack-years: present Results presented by years since stopped smoking: present Mention of ETS (including in never smokers): present
Other non-smok-rel results	Results presented for other diseases: present Results presented by occupation: present Results presented by dietary factors: present Results presented by alcohol consumption: present

HIRAYA
(continued)

Confounders considered	Total number of confounders considered: 8 Results presented adjusted for sex: present Results presented adjusted for age: 1 Results presented adjusted for occupation (gen): 1 Results presented adjusted for dietary factors: 2 Results presented adjusted for alcohol: 1 Results presented adjusted for region: 1 Results presented adjusted for date of death: present
HITOSU Study description	Study title : Hitosugi Full study title : Japan Amagasaki and Nishinomiya CC study 1960-66 Study overlap/links: None Study sex : both Lowest age in study : 1 Highest age in study (at baseline): 99 Study race : all (in country) Continent : Asia Country in Asia : Japan Start year of study : 1960 End year of study : 1966 Principal publication year: 1968 Reference ID of principal publication: HITOSU1968 Number of lung cancer cases: 216 Number of controls/at risk: 4443
Study design	Study type : case/control Type of controls (for CC studies): healthy Type of population : general population Any proxy use : present Proxy use in cases (%): 100 Marked diff in proxy use for cases v controls: present Cases and controls different vital status: present Histological confirmation of cases: Death certificate (unchecked) Response rate for cases (%): 83 Response rate for controls (%): 94 Comments : Controls are an unmatched sample of the general population, restricted to age 35-74
Results presented (current db)	Results presented for ex-smokers: present Results presented for current smokers: present Results presented for ever smokers: present Results presented by amount smoked: present More detailed results available (re current db): present Definition of ex-smoker: unspecified Comments : Results presented by age but have been added together to avoid cells containing zeros
Other non-smok-rel results	Results presented by air pollution exposure: present
Confounders considered	Total number of confounders considered: 2 Results presented adjusted for age: 1 Results presented adj for air pollution exposure: present

HOLE Study description

Study title : Hole
 Full study title : UK/Scotland Renfrew & Paisley cohort study 1972-85
 Study overlap/links: Subset of TANG2
 Study sex : both
 Lowest age in study : 45
 Highest age in study (at baseline): 64
 Highest age in study at final followup: 77
 Study race : all (in country)
 Continent : WEurope/Scandinavia
 Country in W Europe : UK
 Start year of study : 1972
 End year of study : 1976
 Final follow up year: 1985
 Principal publication year: 1988
 Reference ID of principal publication: GILLIS1988A
 Number of lung cancer cases: 225
 Number of controls/at risk: 15399
 Comments : Also GILLIS1984, HAWTHO1985 and HOLE1989. Results from this study were also reported by HAWTHO1978 and HAWTHOQQQQ (combined with occupational/Tiree data), not used because F/P data covered by TANG and other data not presented with suitable denominator. This study is a subset of TANG, which is used for F/P results

Study design

Study type : prospective
 Prospective study : present
 Type of population : general population
 Histological confirmation of cases: Diag (chk unkn) or Death cert
 Response rate in prospective study at baseline (%): 80
 Comments : Some results are based on a subset of subjects living in households where more than one subject participated in the study (GILLIS1984).

Results presented (current db)

Results presented for ex-smokers: present
 Results presented for current smokers: present
 Results presented for ever smokers: present
 Results for pipe+cigar smokers, not separately: present
 Results presented by amount smoked: present
 Definition of type of pipe: Western pipe
 Definition of ex-smoker: all ex-smokers

Other smoking/tob rel results

Results presented by/for ETS in all/active smokers: present

Other non-smok-rel results

Results presented for other diseases: present

Confounders considered

Total number of confounders considered: 1
 Results presented adjusted for age: 1

HOROWI Study description
 Study title : Horowitz
 Full study title : Canada Montreal CC study 1956-67
 Study overlap/links: None
 Study sex : both
 Lowest age in study : 1
 Highest age in study (at baseline): 99
 Study race : all (in country)
 Continent : NAmerica
 Country in N America: Canada
 Start year of study : 1956
 End year of study : 1967
 Principal publication year: 1970
 Reference ID of principal publication: HOROWI1970
 Number of lung cancer cases: 236
 Number of controls/at risk: 1566

Study design
 Study type : case/control
 Type of controls (for CC studies): healthy
 Type of population : general population
 Cases and controls different interview setting: present
 Histological confirmation of cases: Death cert (partial check)
 Response rate for cases (%): 65
 Response rate for controls (%): 92
 Comments : Cases taken from death certificates from 1956-66; source of smoking info not stated, assumed to be from medical records. Controls from a random household survey carried out in 1967; age 20+

Results presented (current db)
 Results presented for ever smokers: present
 Comments : Results by amount smoked not entered because case data is for ever smokers but control data is for current smokers

Other non-smok-rel results
 Results presented by religion: present
 Results presented by nationality of ancestors: present

HORWIT Study description
 Study title : Horwitz
 Full study title : US Yale/New Haven CC study 1977-82
 Study overlap/links: None
 Study sex : female
 Lowest age in study : 1
 Highest age in study (at baseline): 99
 Study race : all (in country)
 Continent : NAmerica
 Country in N America: USA
 US state : Vt,Me,NY,NH,Mass,RI,Conn
 Start year of study : 1977
 End year of study : 1982
 Principal publication year: 1988
 Reference ID of principal publication: HORWIT1988
 Number of lung cancer cases: 112
 Number of controls/at risk: 224

Study design
 Study type : case/control
 Type of controls (for CC studies): diseased/hospital
 Control diseases/causes of death: Medical and surgical admittances
 Type of population : general population
 Histological confirmation of cases: Partial
 Response rate for cases (%): 100
 Response rate for controls (%): 100
 Cases and controls matched on age (CC): present
 Cases and controls matched on race (CC): present
 Cases and controls matched on other (not sex/a/r): present
 Comments : Information from hospital records. Only patients whose records included family history were eligible as controls

HORWIT
(continued)

Results presented (current db) Results presented for ever smokers: present

Other smoking/tob rel results Results presented by pack-years: present

Other non-smok-rel results Results presented by family history of lung cancer: present

HU Study description Study title : Hu 1
Full study title : China Heilongjiang 5 hospital CC study 1985-87
Study overlap/links: None
Study sex : both
Lowest age in study : 1
Highest age in study (at baseline): 99
Study race : all (in country)
Continent : Asia
Country in Asia : China
Start year of study : 1985
End year of study : 1987
Principal publication year: 1997
Reference ID of principal publication: HU1997
Number of lung cancer cases: 227
Number of controls/at risk: 227

Study design Study type : case/control
Type of controls (for CC studies): diseased/hospital
Control diseases/causes of death: Non-neoplastic and non-lung disease
Type of population : general population
Cases have full (100%) histological confirmation: present
Histological confirmation of cases: Full
Extent of histological confirmation in cases (%): 100
Response rate for cases (%): 100
Response rate for controls (%): 100
Cases and controls matched on sex: present
Cases and controls matched on age (CC): present
Cases and controls matched on other (not sex/a/r): present

Results presented (current db) Results presented for ever smokers: present
Results presented by cigarette type: present
Results presented for handrolled cig smokers: present
Results presented by amount smoked: present
Definition of handrolled cigarettes: Western HR

Other smoking/tob rel results Results presented by age of starting to smoke: present
Results presented by duration of smoking: present
Results presented by pack-years: present

HU2	Study description	Study title : Hu 2 Full study title : China Harbin CC study 1977-79 Study overlap/links: None Study sex : both Lowest age in study : 1 Highest age in study (at baseline): 99 Study race : all (in country) Continent : Asia Country in Asia : China Start year of study : 1977 End year of study : 1979 Principal publication year: 1984 Reference ID of principal publication: FU1984 Number of lung cancer cases: 523 Number of controls/at risk: 523 Comments : Also HU1988,LIU1992 and YU1996A
	Study design	Study type : case/control Type of controls (for CC studies): decedents Control diseases/causes of death: Non-respiratory deaths Type of population : general population Any proxy use : present Proxy use in cases (%): 100 Proxy use in controls (%): 100 Histological confirmation of cases: Death cert (partial check) Response rate for cases (%): 100 Response rate for controls (%): 100 Cases and controls matched on sex: present Cases and controls matched on age (CC): present Cases and controls matched on other (not sex/a/r): present
	Results presented (current db)	Results presented for ever smokers: present Results presented by cigarette type: present Results presented for handrolled cig smokers: present Results presented by amount smoked: present Definition of handrolled cigarettes: Western HR
	Other smoking/tob rel results	Results presented by age of starting to smoke: present Results presented by duration of smoking: present Results pres by smoking index (amount*dur/start): present
	Other non-smok-rel results	Results presented for regions within study area: present
	Confounders considered	Total number of confounders considered: 1 Results presented adjusted for region: 1
HUANG	Study description	Study title : Huang Full study title : China Sichuan CC study 1990-91 Study overlap/links: None Study sex : both Lowest age in study : 1 Highest age in study (at baseline): 99 Study race : all (in country) Continent : Asia Country in Asia : China Start year of study : 1990 End year of study : 1991 Principal publication year: 1992 Reference ID of principal publication: HUANG1992 Number of lung cancer cases: 135 Number of controls/at risk: 135

HUMBLE

(continued)

Results presented (current db) Results presented for ex-smokers: present
 Results presented for current smokers: present
 Results presented for ever smokers: present
 Results presented by cigarette type: present
 Results presented by amount smoked: present
 More detailed results available (re current db): present
 Definition of ex-smoker: gave up >1 year
 Comments : PATHAK1986 - results presented for hand rolled tobacco provide no useful data. Results also presented by amount of pipes smoked.

Other smoking/tob rel results Results presented by inhalation level: present
 Results presented by duration of smoking: present
 Results presented by pack-years: present
 Results presented by years since stopped smoking: present
 Results presented by time of plain-filter switch: present

Other non-smok-rel results Results presented by dietary factors: present

Confounders considered Total number of confounders considered: 6
 Results presented adjusted for sex: present
 Results presented adjusted for age: 1
 Results presented adjusted for race: 1
 Results presented adjusted for aspects of smoking: 3

ISHIMA Study description Study title : Ishimaru
 Full study title : Japan A bomb survivors CC study 1961-70
 Study overlap/links: AKIBA/ISHIMA
 Study sex : both
 Lowest age in study : 1
 Highest age in study (at baseline): 99
 Study race : all (in country)
 Continent : Asia
 Country in Asia : Japan
 Start year of study : 1961
 End year of study : 1970
 Principal publication year: 1975
 Reference ID of principal publication: ISHIMA1975
 Number of lung cancer cases: 180
 Number of controls/at risk: 180
 Comments : Also CIHAK1974. Subset of AKIBA, so only data by histologic type entered here

Study design Study type : case/control
 Type of controls (for CC studies): decedents
 Control diseases/causes of death: No cancer at autopsy
 Type of population : a bomb survivors + others
 Any proxy use : present
 Proxy use in cases (%): 100
 Proxy use in controls (%): 100
 Cases have full (100%) histological confirmation: present
 Histological confirmation of cases: Full
 Extent of histological confirmation in cases (%): 100
 Response rate for cases (%): 91
 Response rate for controls (%): 91
 Cases and controls matched on sex: present
 Cases and controls matched on age (CC): present
 Cases and controls matched on other (not sex/a/r): present
 Comments : Only results from matched pairs interview study entered. (Part of study using smoking data from medical records not used as considerable variation in availability of data)

ISHIMA
(continued)

Results presented (current db) Results presented by histological type: present
Results presented for ever smokers: present

Confounders considered Total number of confounders considered: 5
Results presented adjusted for sex: present
Results presented adjusted for age: 1
Results presented adjusted by source of case: 2
Results presented adjusted for date of death: present

JAHN Study description Study title : Jahn
Full study title : Germany BIPS CC study 1988-93
Study overlap/links: Subset of BOFFET
Study sex : both
Lowest age in study : 1
Highest age in study (at baseline): 80
Study race : all (in country)
Continent : WEurope/Scandinavia
Country in W Europe : Germany
Start year of study : 1988
End year of study : 1993
Principal publication year: 1998
Reference ID of principal publication: JOCKEL1998A
Number of lung cancer cases: 1004
Number of controls/at risk: 1004
Comments : Also POHLAB1997, JOCKEL1994, JAHN1995 and JOCKEL1998. This study includes female results and male results by histological type which are not covered by BOFFET. However male all LC type results may overlap with BOFFET

Study design Study type : case/control
Type of controls (for CC studies): healthy
Type of population : gen pop - nationals only
Histological confirmation of cases: Partial
Response rate for cases (%): 69
Response rate for controls (%): 68
Cases and controls matched on sex: present
Cases and controls matched on age (CC): present
Cases and controls matched on other (not sex/a/r): present

Results presented (current db) Results presented by histological type: present
Results presented for ex-smokers: present
Results presented for current smokers: present
Results presented for ever smokers: present
Results for pipe+cigar smokers, not separately: present
Definition of type of pipe: Western pipe
Definition of ex-smoker: all ex-smokers
Comments : Refers to regular smoking. Never smoking group includes 5 males cases and 11 female cases who were occasional smokers (controls not stated). Other ex-smoker definitions are available.

Other smoking/tob rel results Results presented by pack-years: present
Results presented by years since stopped smoking: present
Results presented by recent switch (n,prod,brand): present

Confounders considered Total number of confounders considered: 3
Results presented adjusted for age: 1
Results presented adjusted for aspects of smoking: 1
Results presented adjusted for region: 1

JAIN	Study description	<p>Study title : Jain Full study title : Canada Ontario CC study 1981-85 Study overlap/links: None Study sex : both Lowest age in study : 30 Highest age in study (at baseline): 79 Study race : all (in country) Continent : NAmerica Country in N America: Canada Start year of study : 1981 End year of study : 1985 Principal publication year: 1993 Reference ID of principal publication: RISCH1993 Number of lung cancer cases: 845 Number of controls/at risk: 772 Comments : Also RISCH1992 and JAIN1990</p>
	Study design	<p>Study type : case/control Type of controls (for CC studies): healthy Type of population : general population Any proxy use : present Proxy use in cases (%): 34 Marked diff in proxy use for cases v controls: present Cases and controls different vital status: present Histological confirmation of cases: Partial Extent of histological confirmation in cases (%): 98 Response rate for cases (%): 55 Response rate for controls (%): 48 Cases and controls matched on sex: present Cases and controls matched on age (CC): present Cases and controls matched on other (not sex/a/r): present</p>
	Results presented (current db)	<p>Results presented by histological type: present Results presented for ex-smokers: present Results presented for current smokers: present Results presented for ever smokers: present Definition of ex-smoker: gave up >2 years</p>
	Other smoking/tob rel results	<p>Results presented by pack-years: present Results presented by years since stopped smoking: present Mention of ETS (including in never smokers): present</p>
	Confounders considered	<p>Total number of confounders considered: 2 Results presented adjusted for age: 1 Results presented adjusted for residence: 1</p>
JARUP	Study description	<p>Study title : Jarup Full study title : Sweden smelter workers CC study 1928-81 Study overlap/links: None Study sex : male Lowest age in study : 15 Highest age in study (at baseline): 99 Study race : all (in country) Continent : WEurope/Scandinavia Country in W Europe : Sweden Start year of study : 1928 End year of study : 1981 Principal publication year: 1991 Reference ID of principal publication: JARUP1991 Number of lung cancer cases: 102 Number of controls/at risk: 104 Comments : Other reports based on the same cohort of workers have fewer than 100 cases: PERSHA1981 nested CC to 1977, SANDST1995 retrospective interviewing of whole cohort</p>

JARUP
(continued)

Study design Study type : case/control
 Type of controls (for CC studies): decedents
 Control diseases/causes of death: Not lung cancer or smoking related dis
 Type of population : employed-specific industry/ies
 Any proxy use : present
 Proxy use in cases (%): 100
 Proxy use in controls (%): 100
 Histological confirmation of cases: Death certificate (unchecked)
 Response rate for cases (%): 95
 Response rate for controls (%): 82
 Cases and controls matched on other (not sex/a/r): present
 Comments : There were 4 cases based on diagnosis rather than death. Only the results
 excluding smoking-related controls have been entered, but response rate relates to all controls

Results
 presented
 (current db) Results presented for ever smokers: present
 Results presented by amount smoked: present

Other
 non-smok-rel
 results Results presented by risky occupational exposure: present

Confounders
 considered Total number of confounders considered: 2
 Results presented adjusted for age: 1
 Results presented adjusted for risky occupation: 1

JARVHO Study Study title : Jarvholm
 description Full study title : Sweden Goteborg asbestos CC study 1983-84
 Study overlap/links: None
 Study sex : both
 Lowest age in study : 1
 Highest age in study (at baseline): 75
 Study race : all (in country)
 Continent : WEurope/Scandinavia
 Country in W Europe : Sweden
 Start year of study : 1983
 End year of study : 1984
 Principal publication year: 1993
 Reference ID of principal publication: JARVHO1993
 Number of lung cancer cases: 147
 Number of controls/at risk: 109

Study design Study type : case/control
 Type of controls (for CC studies): healthy
 Type of population : general population
 Histological confirmation of cases: Partial
 Extent of histological confirmation in cases (%): 84
 Response rate for controls (%): 73
 Cases and controls matched on sex: present
 Cases and controls matched on age (CC): present
 Comments : Frequency matched on age

Results
 presented
 (current db) Results presented for ex-smokers: present
 Results presented for current smokers: present
 Results presented for ever smokers: present
 Definition of ex-smoker: unspecified

Other smoking/
 tob rel
 results Results presented by pack-years: present
 Results presented by/for ETS in all/active smokers: present
 Mention of ETS (including in never smokers): present

Other
 non-smok-rel
 results Results presented by risky occupational exposure: present

JEDRYC Study description

Study title : Jedrychowski
 Full study title : Poland CC study 1980-87
 Study overlap/links: None
 Study sex : both
 Lowest age in study : 1
 Highest age in study (at baseline): 99
 Study race : all (in country)
 Continent : EEurope/Balkans
 Country in E Europe/Balkans: Poland
 Start year of study : 1980
 End year of study : 1987
 Principal publication year: 1992
 Reference ID of principal publication: JEDRYC1992
 Number of lung cancer cases: 1630
 Number of controls/at risk: 1541
 Comments : Also JEDRYC1990B, BECHER1989, JEDRYC1989E, JEDRYC1989C, JEDRYC1992A

Study design

Study type : case/control
 Type of controls (for CC studies): decedents
 Control diseases/causes of death: Non respiratory disease or smoking related cancer
 Type of population : general population
 Any proxy use : present
 Proxy use in cases (%): 100
 Proxy use in controls (%): 100
 Histological confirmation of cases: Partial
 Extent of histological confirmation in cases (%): 44
 Response rate for cases (%): 72
 Response rate for controls (%): 71
 Cases and controls matched on sex: present
 Cases and controls matched on age (CC): present
 Cases and controls matched on other (not sex/a/r): present
 Comments : Histological confirmation figure is for males only

Results presented (current db)

Results presented by histological type: present
 Results presented for ex-smokers: present
 Results presented for current smokers: present
 Results presented for ever smokers: present
 Results presented by amount smoked: present
 Definition of ex-smoker: gave up >4 years

Other smoking/tob rel results

Results presented by age of starting to smoke: present
 Results presented by duration of smoking: present
 Results presented by pack-years: present
 Results presented by years since stopped smoking: present

Other non-smok-rel results

Results presented by occupation: present
 Results presented by air pollution exposure: present

Confounders considered

Total number of confounders considered: 4
 Results presented adjusted for age: 1
 Results presented adjusted for educational level: 1
 Results presented adjusted for occupation (gen): 1
 Results presented adj for air pollution exposure: present

JIANG Study description Study title : Jiang
 Full study title : China Nanchang CC study 1984
 Study overlap/links: None
 Study sex : both
 Lowest age in study : 1
 Highest age in study (at baseline): 99
 Study race : all (in country)
 Continent : Asia
 Country in Asia : China
 Start year of study : 1984
 End year of study : 1984
 Principal publication year: 1987
 Reference ID of principal publication: JIANG1987
 Number of lung cancer cases: 125
 Number of controls/at risk: 125
 Comments : Also YU1996A and LIU1992

Study design Study type : case/control
 Type of controls (for CC studies): diseased/hospital
 Control diseases/causes of death: Excl smoking related disease and cancer
 Type of population : general population
 Histological confirmation of cases: Partial
 Extent of histological confirmation in cases (%): 29
 Cases and controls matched on sex: present
 Cases and controls matched on age (CC): present
 Cases and controls matched on race (CC): present
 Cases and controls matched on occupation: present

Results presented (current db) Results presented by histological type: present
 Results presented for ever smokers: present

No abnormalities were found in any of the other cards examined

JOLY Study description Study title : Joly
 Full study title : Cuba Havana CC study 1978-80
 Study overlap/links: None
 Study sex : both
 Lowest age in study : 1
 Highest age in study (at baseline): 99
 Study race : all (in country)
 Continent : SCAmerica
 Country in S/C America: Cuba
 Start year of study : 1978
 End year of study : 1980
 Principal publication year: 1983
 Reference ID of principal publication: JOLY1983
 Number of lung cancer cases: 826
 Number of controls/at risk: 1518

Study design Study type : case/control
 Type of controls (for CC studies): healthy + diseased
 Control diseases/causes of death: Non smoking related disease
 Type of population : general population
 Cases and controls different interview setting: present
 Histological confirmation of cases: Partial
 Cases and controls matched on sex: present
 Cases and controls matched on age (CC): present
 Cases and controls matched on other (not sex/a/r): present
 Comments : All cases were confirmed by histology or cytology

JOLY

(continued)

Results presented (current db)	Results presented by histological type: present Results presented for ex-smokers: present Results presented for current smokers: present Results presented for ever smokers: present Results presented for cigar smokers: present Results presented by amount smoked: present Definition of ex-smoker: gave up >1 year
Other smoking/tob rel results	Results presented by tar level: present Results presented by tobacco type: black/blond etc: present Results presented by inhalation level: present Results presented by age of starting to smoke: present Results presented by duration of smoking: present Results presented by years since stopped smoking: present
JONES Study description	Study title : Jones Full study title : Australia New South Wales CC study 1963-64 Study overlap/links: None Study sex : both Lowest age in study : 1 Highest age in study (at baseline): 99 Study race : all (in country) Continent : Australasia Country in Australasia: Australia Start year of study : 1963 End year of study : 1964 Principal publication year: 1966 Reference ID of principal publication: JONES1966 Number of lung cancer cases: 407 Number of controls/at risk: 407
Study design	Study type : case/control Type of controls (for CC studies): diseased/hospital Control diseases/causes of death: Hospital admissions except to chest unit Type of population : general population Histological confirmation of cases: Partial Extent of histological confirmation in cases (%): 71 Cases and controls matched on sex: present Cases and controls matched on age (CC): present Cases and controls matched on other (not sex/a/r): present
Results presented (current db)	Results presented by histological type: present Results presented for ever smokers: present Results presented by amount smoked: present Comments : Smokers were those who had smoked during the 10 year period ending one year before interview
Other non-smok-rel results	Results presented by current medical conds/obs: present

JUSSAW	Study description	Study title : Jussawalla Full study title : India Greater Bombay CC study 1964-73 Study overlap/links: None Study sex : male Lowest age in study : 1 Highest age in study (at baseline): 99 Study race : all (in country) Continent : Asia Country in Asia : India Start year of study : 1964 End year of study : 1973 Principal publication year: 1979 Reference ID of principal publication: JUSSAW1979 Number of lung cancer cases: 792 Number of controls/at risk: 792
	Study design	Study type : case/control Type of controls (for CC studies): healthy Type of population : general population Cases and controls different interview setting: present Histological confirmation of cases: Partial Response rate for cases (%): 43 Response rate for controls (%): 93 Cases and controls matched on age (CC): present Cases and controls matched on other (not sex/a/r): present
	Results presented (current db)	Results presented by histological type: present Results presented for ever smokers: present Results presented by cigarette type: present Results presented for handrolled cig smokers: present Results presented by amount smoked: present Definition of handrolled cigarettes: Bidi
	Other smoking/tob rel results	Results presented by duration of smoking: present
	Other non-smok-rel results	Results presented by religion: present
	Confounders considered	Total number of confounders considered: 3 Results presented adjusted for age: 1 Results presented adjusted for aspects of smoking: 1 Results presented adjusted for religion: present
KAISE2	Study description	Study title : Kaiser 2 Full study title : US California Kaiser cohort study 1979-91 Study overlap/links: None Study sex : both Lowest age in study : 30 Highest age in study (at baseline): 99 Highest age in study at final followup: 99 Study race : all (in country) Continent : NAmerica Country in N America: USA US state : Cal,Wash,Oreg Start year of study : 1979 End year of study : 1986 Final follow up year: 1991 Principal publication year: 1997 Reference ID of principal publication: FRIEDM1997 Number of lung cancer cases: 318 Number of controls/at risk: 79946 Comments : Also SIDNEY1993 and SIDNEY1995

KAISE2

(continued)

Study design	Study type : prospective Prospective study : present Type of population : persons attending screening Histological confirmation of cases: Diag (chk unkn) or Death cert
Results presented (current db)	Results presented for ex-smokers: present Results presented for current smokers: present Results presented for ever smokers: present Results presented by cigarette type: present Results presented by amount smoked: present Definition of ex-smoker: gave up >2 years
Other smoking/ tob rel results	Results presented by tar level: present Results presented by inhalation level: present Results presented by duration of smoking: present Results presented by years since stopped smoking: present Results presented by time of plain-filter switch: present Results presented by fraction length smoked: present Results presented for inhalation frequency: present
Confounders considered	Total number of confounders considered: 5 Results presented adjusted for age: 1 Results presented adjusted for race: 1 Results presented adjusted for educational level: 1 Results presented adjusted for aspects of smoking: 2
KAISER Study description	Study title : Kaiser 1 Full study title : US California Kaiser cohort study 1964-80 Study overlap/links: KAISER/OSANN2 Study sex : both Lowest age in study : 1 Highest age in study (at baseline): 99 Highest age in study at final followup: 99 Study race : all (in country) Continent : NAmerica Country in N America: USA US state : Cal,Wash,Oreg Start year of study : 1964 End year of study : 1973 Final follow up year: 1980 Principal publication year: 1988 Reference ID of principal publication: SELBY1988 Number of lung cancer cases: 714 Number of controls/at risk: 174507 Comments : This study has enrollment 1964-73 and diagnosis 1964-80; overlaps with OSANN2 which has women only enrolled 1964-77 and diagnosis 1969-77. VANDEN1992 extends this study followup to 1988 but has not been used as it has little additional information but overlaps with KAISE2
Study design	Study type : prospective Prospective study : present Type of population : persons attending screening Histological confirmation of cases: Diagnosis (not checked)
Results presented (current db)	Results presented for ex-smokers: present Results presented for current smokers: present Results presented for ever smokers: present Results presented by amount smoked: present Definition of ex-smoker: unspecified
Other non-smok-rel results	Results presented by current medical conds/obs: present Comments : Results by medical obs refers to VANDEN1992, not used here due to partial overlap with KAISE2

KAISER
(continued)

Confounders considered Total number of confounders considered: 2
Results presented adjusted for age: 1
Results presented adjusted for dietary factors: 1

KANELL Study description Study title : Kanellakis
Full study title : Greece Hellenic Anticancer Inst CC study 1950-62
Study overlap/links: None
Study sex : male
Lowest age in study : 1
Highest age in study (at baseline): 99
Study race : all (in country)
Continent : EEurope/Balkans
Country in E Europe/Balkans: Greece
Start year of study : 1950
End year of study : 1962
Principal publication year: 1976
Reference ID of principal publication: KANELL1976
Number of lung cancer cases: 862
Number of controls/at risk: 613
Comments : Also TRICHO1982. No translation for KANELL1976

Study design Study type : case/control
Type of controls (for CC studies): diseased/hospital
Control diseases/causes of death: Non respiratory neoplasm
Type of population : general population
Histological confirmation of cases: Diagnosis (checking unknown)
Comments : Assume based on hospital records

Results presented (current db) Results presented for current smokers: present
Results presented by amount smoked: present
Comments : The very few pipe/cigar smokers were included with smokers of 1-10 cigarettes. There is uncertainty about the definition of smoking, per text: ever smoked regularly, per table heading: current

Confounders considered Total number of confounders considered: 1
Results presented adjusted for age: 1

KATSOU Study description Study title : Katsouyanni
Full study title : Greece Athens CC study 1987-89
Study overlap/links: None
Study sex : female
Lowest age in study : 1
Highest age in study (at baseline): 99
Study race : all (in country)
Continent : EEurope/Balkans
Country in E Europe/Balkans: Greece
Start year of study : 1987
End year of study : 1989
Principal publication year: 1991
Reference ID of principal publication: KATSOU1991
Number of lung cancer cases: 101
Number of controls/at risk: 89

Study design Study type : case/control
Type of controls (for CC studies): diseased/hospital
Control diseases/causes of death: Fracture or other orthopedic condition
Type of population : general population
Cases and controls from different hospitals: present
Histological confirmation of cases: Partial
Extent of histological confirmation in cases (%): 61
Response rate for cases (%): 96
Response rate for controls (%): 91
Cases and controls matched on other (not sex/a/r): present
Comments : controls were aged 35+

KATSOU
(continued)

Results presented (current db) Results presented by histological type: present
Results presented for ex-smokers: present
Results presented for current smokers: present
Results presented for ever smokers: present
Results presented by amount smoked: present
Definition of ex-smoker: gave up >3 years

Other smoking/tob rel results Results presented by duration of smoking: present

Other non-smok-rel results Results presented by air pollution exposure: present

Confounders considered Total number of confounders considered: 1
Results presented adjusted for age: 1

KAUFMA Study description Study title : Kaufman
Full study title : US&Canada tar level CC study 1981-86
Study overlap/links: None
Study sex : both
Lowest age in study : 40
Highest age in study (at baseline): 69
Study race : all (in country)
Continent : NAmerica
Country in N America: USA
US state : multi (not all)
Start year of study : 1981
End year of study : 1986
Principal publication year: 1989
Reference ID of principal publication: KAUFMA1989
Number of lung cancer cases: 881
Number of controls/at risk: 2570

Study design Study type : case/control
Type of controls (for CC studies): diseased/hospital
Control diseases/causes of death: Non smoking related hospital admissions
Type of population : general population
Histological confirmation of cases: Diagnosis (not checked)
Response rate for cases (%): 96
Response rate for controls (%): 96
Comments : 1 case and 7 controls from Canada are included. Response rate refers to all patients (cases, controls and other diseases) combined

Results presented (current db) Results presented for ex-smokers: present
Results presented for current smokers: present
Results presented for ever smokers: present
Results presented by amount smoked: present
Definition of ex-smoker: gave up >1 year

Other smoking/tob rel results Results presented by tar level: present

Confounders considered Total number of confounders considered: 6
Results presented adjusted for sex: present
Results presented adjusted for age: 1
Results presented adjusted for race: 1
Results presented adjusted for educational level: 1
Results presented adjusted for region: 1
Results presented adjusted for date of interview: present

KELLER Study description

Study title : Keller
 Full study title : US Illinois CC study 1985-87
 Study overlap/links: None
 Study sex : both
 Lowest age in study : 1
 Highest age in study (at baseline): 99
 Study race : all (in country)
 Continent : NAmerica
 Country in N America: USA
 US state : Minn,Ia,Wis,Ill,Mo
 Start year of study : 1985
 End year of study : 1987
 Principal publication year: 1993
 Reference ID of principal publication: KELLER1993A
 Number of lung cancer cases: 15038
 Number of controls/at risk: 7566

Study design

Study type : case/control
 Type of controls (for CC studies): diseased/hospital
 Control diseases/causes of death: Colon cancer
 Type of population : general population
 Histological confirmation of cases: Diagnosis (not checked)
 Response rate for cases (%): 74
 Response rate for controls (%): 51
 Comments : Information from medical records. Response rate shows percentage with known smoking history

Results presented (current db)

Results presented for ex-smokers: present
 Results presented for current smokers: present
 Results presented for ever smokers: present
 Definition of ex-smoker: unspecified

KHUDER Study description

Study title : Khuder
 Full study title : US Philadelphia 15 hospital CC study 1985-87
 Study overlap/links: None
 Study sex : male
 Lowest age in study : 1
 Highest age in study (at baseline): 99
 Study race : all (in country)
 Continent : NAmerica
 Country in N America: USA
 US state : Pa,NJ,Md,WVa,Va,Del,WashDC
 Start year of study : 1985
 End year of study : 1987
 Principal publication year: 1998
 Reference ID of principal publication: KHUDER1998
 Number of lung cancer cases: 482
 Number of controls/at risk: 1094

Study design

Study type : case/control
 Type of controls (for CC studies): healthy
 Type of population : general population
 Cases and controls different interview setting: present
 Cases have full (100%) histological confirmation: present
 Histological confirmation of cases: Full
 Extent of histological confirmation in cases (%): 100
 Cases and controls matched on age (CC): present
 Cases and controls matched on race (CC): present
 Comments : No age restriction on cases (although youngest was 36). Controls age 35+

Results presented (current db)

Results presented by histological type: present
 Results presented for ex-smokers: present
 Results presented for current smokers: present
 Results presented for ever smokers: present
 Results presented by cigarette type: present
 Results presented by amount smoked: present
 Definition of ex-smoker: unspecified

KHUDER
(continued)

Other smoking/
tob rel
results Results presented by inhalation level: present
Results presented by age of starting to smoke: present
Results presented by duration of smoking: present
Results presented by years since stopped smoking: present

Confounders
considered Total number of confounders considered: 5
Results presented adjusted for age: 1
Results presented adjusted for race: 1
Results presented adjusted for aspects of smoking: 3

KIHARA Study Study title : Kihara
description Full study title : Japan Kanagawa genetic CC study 1991-98
Study overlap/links: None
Study sex : both
Lowest age in study : 1
Highest age in study (at baseline): 99
Study race : japanese
Continent : Asia
Country in Asia : Japan
Start year of study : 1991
End year of study : 1998
Principal publication year: 1995
Reference ID of principal publication: KIHARA1995A
Number of lung cancer cases: 440
Number of controls/at risk: 469
Comments : Also KIHARA1999

Study design Study type : case/control
Type of controls (for CC studies): healthy
Type of population : general population
Histological confirmation of cases: Partial
Comments : KIHARA1999 includes males cases age 50-69 recruited in 1991-98. KIHARA1995A
includes males and females of all ages recruited in 1991-1993. Both use controls aged 50 and over
recruited in 1991-92

Results
presented
(current db) Results presented by histological type: present
Results presented for ex-smokers: present
Results presented for current smokers: present
Results presented for ever smokers: present
Definition of ex-smoker: gave up >1 year

Other smoking/
tob rel
results Results presented by pack-years: present

Other
non-smok-rel
results Results presented by genetic factors: present

KINLEN Study description

Study title : Kinlen
 Full study title : UK tea drinking cohort study 1967-86
 Study overlap/links: None
 Study sex : male
 Lowest age in study : 45
 Highest age in study (at baseline): 60
 Highest age in study at final followup: 80
 Study race : all (in country)
 Continent : WEurope/Scandinavia
 Country in W Europe : UK
 Start year of study : 1967
 End year of study : 1967
 Final follow up year: 1986
 Principal publication year: 1988
 Reference ID of principal publication: KINLEN1988B
 Number of lung cancer cases: 718
 Number of controls/at risk: 14085

Study design

Study type : prospective
 Prospective study : present
 Type of population : general population
 Histological confirmation of cases: Death certificate (unchecked)
 Response rate in prospective study at baseline (%): 70

Results presented (current db)

Results presented for ex-smokers: present
 Results presented for current smokers: present
 Results presented for ever smokers: present
 Results for pipe+cigar smokers, not separately: present
 Results presented by amount smoked: present
 Definition of type of pipe: Western pipe
 Definition of ex-smoker: unspecified

Other non-smok-rel results

Results presented for other diseases: present
 Results presented by dietary factors: present

Confounders considered

Total number of confounders considered: 2
 Results presented adjusted for age: 1
 Results presented adj for non-alcoholic drinks: 1

KJUUS Study description

Study title : Kjuus
 Full study title : Norway Telemark and Vestfold CC study 1979-83
 Study overlap/links: None
 Study sex : male
 Lowest age in study : 1
 Highest age in study (at baseline): 79
 Study race : all (in country)
 Continent : WEurope/Scandinavia
 Country in W Europe : Norway
 Start year of study : 1979
 End year of study : 1983
 Principal publication year: 1986
 Reference ID of principal publication: KJUUS1986C
 Number of lung cancer cases: 176
 Number of controls/at risk: 176
 Comments : Also KJUUS1986B and KJUUS1986

Study design

Study type : case/control
 Type of controls (for CC studies): diseased/hospital
 Control diseases/causes of death: Excl COPD
 Type of population : employed persons
 Histological confirmation of cases: Partial
 Extent of histological confirmation in cases (%): 95
 Response rate for cases (%): 99
 Response rate for controls (%): 99
 Cases and controls matched on age (CC): present

KJUUS
(continued)

Results presented (current db) Results presented for ex-smokers: present
Results presented for current smokers: present
Results presented for ever smokers: present
Results for pipe+cigar smokers, not separately: present
Definition of type of pipe: Western pipe
Definition of ex-smoker: gave up >1 year

Other smoking/tob rel results Results presented by pack-years: present

Other non-smok-rel results Results presented by risky occupational exposure: present

KNEKT Study description Study title : Knekt
Full study title : Finland Mobile Clinic Health cohort study 1966-91
Study overlap/links: None
Study sex : both
Lowest age in study : 15
Highest age in study (at baseline): 99
Highest age in study at final followup: 99
Study race : all (in country)
Continent : WEurope/Scandinavia
Country in W Europe : Finland
Start year of study : 1966
End year of study : 1972
Final follow up year: 1991
Principal publication year: 1993
Reference ID of principal publication: KNEKT1993
Number of lung cancer cases: 515
Number of controls/at risk: 29994
Comments : Also KNEKT1991C,KNEKT1991B, KNEKT1997 and KNEKT1991

Study design Study type : prospective
Prospective study : present
Type of population : general population
Histological confirmation of cases: Diagnosis (checking unknown)
Response rate in prospective study at baseline (%): 83
Comments : Some results based on a subset of 9959 subjects with dietary questionnaire.
Numbers of cases and at risk refer to men only

Results presented (current db) Results presented for ex-smokers: present
Results presented for current smokers: present
Results presented for ever smokers: present
Results for pipe+cigar smokers, not separately: present
Results presented by amount smoked: present
Definition of type of pipe: Western pipe
Definition of ex-smoker: unspecified

Other non-smok-rel results Results presented by dietary factors: present

Confounders considered Total number of confounders considered: 9
Results presented adjusted for sex: present
Results presented adjusted for age: 1
Results presented adj for socioeconomic status: 1
Results presented adjusted for body mass index: 1
Results presented by medical history: 1
Results presented adjusted for curr medical obs: 3
Results presented adjusted for region: 1

KO	Study description	Study title : Ko Full study title : Taiwan Kaohsiung CC study 1992-93 Study overlap/links: None Study sex : female Lowest age in study : 1 Highest age in study (at baseline): 99 Study race : all (in country) Continent : Asia Country in Asia : Taiwan Start year of study : 1992 End year of study : 1993 Principal publication year: 1997 Reference ID of principal publication: KO1997 Number of lung cancer cases: 117 Number of controls/at risk: 117
	Study design	Study type : case/control Type of controls (for CC studies): diseased/hospital Control diseases/causes of death: Health check or ophthalmology Type of population : general population Cases have full (100%) histological confirmation: present Histological confirmation of cases: Full Extent of histological confirmation in cases (%): 100 Response rate for cases (%): 91 Response rate for controls (%): 94 Cases and controls matched on age (CC): present Cases and controls matched on other (not sex/a/r): present
	Results presented (current db)	Results presented for ever smokers: present
	Other smoking/tob rel results	Mention of ETS (including in never smokers): present
	Confounders considered	Total number of confounders considered: 3 Results presented adj for socioeconomic status: 1 Results presented adjusted for educational level: 1 Results presented adjusted for urban/rural: 1
KOHLM	Study description	Study title : Kohlmeier Full study title : Germany Berlin pet birds CC study 1990 Study overlap/links: None Study sex : both Lowest age in study : 1 Highest age in study (at baseline): 65 Study race : all (in country) Continent : WEurope/Scandinavia Country in W Europe : Germany Start year of study : 1990 End year of study : 1990 Principal publication year: 1992 Reference ID of principal publication: KOHLME1992 Number of lung cancer cases: 239 Number of controls/at risk: 429
	Study design	Study type : case/control Type of controls (for CC studies): healthy Type of population : gen pop - nationals only Cases and controls different interview setting: present Histological confirmation of cases: Diagnosis (checking unknown) Response rate for cases (%): 84 Response rate for controls (%): 68 Cases and controls matched on sex: present Cases and controls matched on age (CC): present

KOHLME
(continued)

Results presented (current db)	Results presented for ever smokers: present
Other smoking/tob rel results	Results presented by/for ETS in all/active smokers: present
Confounders considered	Total number of confounders considered: 4 Results presented adjusted for risky occupation: 1 Results presented adjusted for dietary factors: 1 Results presented adjusted for ETS: 1 Results presented adjusted for pet bird keeping: 1
KOO Study description	Study title : Koo Full study title : Hong Kong 8 hospital CC study 1981-83 Study overlap/links: KOO/LAMTH/LAMWK Study sex : female Lowest age in study : 1 Highest age in study (at baseline): 99 Study race : all (in country) Continent : Asia Country in Asia : HongKong Start year of study : 1981 End year of study : 1983 Principal publication year: 1984 Reference ID of principal publication: KOO1984 Number of lung cancer cases: 200 Number of controls/at risk: 200 Comments : Also LAM1988,KOO1983, KOO1985 and KOO1983A. Results from KOO1983 relate to first 10 months (120 pairs) only. Cases may overlap with LAMWK which probably used on of the 8 hospitals in this study; also possibly with LAMTH which also used 8 hospitals starting in 1983 (month not stated)
Study design	Study type : case/control Type of controls (for CC studies): healthy Type of population : general population Cases and controls different interview setting: present Histological confirmation of cases: Partial Extent of histological confirmation in cases (%): 81 Response rate for cases (%): 96 Cases and controls matched on age (CC): present Cases and controls matched on socioeconomic status: present Cases and controls matched on other (not sex/a/r): present
Results presented (current db)	Results presented by histological type: present Results presented for ex-smokers: present Results presented for current smokers: present Results presented for ever smokers: present Results presented by amount smoked: present Definition of ex-smoker: all ex-smokers
Other smoking/tob rel results	Results presented by inhalation level: present Results presented by pack-years: present Results presented by fraction length smoked: present Results presented by smoking before breakfast: present Results presented by/for ETS in all/active smokers: present Mention of ETS (including in never smokers): present
Other non-smok-rel results	Results presented by cooking/heating practice: present

KOULUM Study description Study title : Koulumies
Full study title : Finland Helsinki CC study 1936-52
Study overlap/links: None
Study sex : male
Lowest age in study : 1
Highest age in study (at baseline): 99
Study race : all (in country)
Continent : WEurope/Scandinavia
Country in W Europe : Finland
Start year of study : 1936
End year of study : 1952
Principal publication year: 1953
Reference ID of principal publication: KOULUM1953
Number of lung cancer cases: 812
Number of controls/at risk: 300

Study design Study type : case/control
Type of controls (for CC studies): diseased/hospital
Control diseases/causes of death: Outpatients with no suspected cancer
Type of population : general population
Histological confirmation of cases: Partial
Extent of histological confirmation in cases (%): 41
Comments : No age restriction on cases, controls age 40+. Controls interviewed systematically Feb-Mar 1952, cases simply stated to have been collected over 16 years

Results presented (current db) Results presented for ever smokers: present
Results presented for pipe smokers: present
Results presented by amount smoked: present
Definition of type of pipe: Western pipe
Comments : Not clearly stated whether ever or current smoking, but smoking is implied to be continuous up until diagnosis. It is reported that there was no difference between tipped and untipped cigarettes. A considerable number of cases (but not of controls) are omitted from the tables by type of tobacco and by amount smoked, presumably due to missing data

Other smoking/tob rel results Results presented by age of starting to smoke: present

KREUZE Study description Study title : Kreuzer
Full study title : Germany radon CC study 1990-96
Study overlap/links: None
Study sex : both
Lowest age in study : 1
Highest age in study (at baseline): 69
Study race : all (in country)
Continent : WEurope/Scandinavia
Country in W Europe : Germany
Start year of study : 1990
End year of study : 1996
Principal publication year: 1998
Reference ID of principal publication: KREUZE1998
Number of lung cancer cases: 2260
Number of controls/at risk: 2319
Comments : Also KREIEN1992. Further female cases also presented in JAHN1999, but only combined with data from the BIPS study and cases from East Germany.

Study design Study type : case/control
Type of controls (for CC studies): healthy
Type of population : general population
Cases and controls different interview setting: present
Histological confirmation of cases: Partial
Response rate for cases (%): 76
Response rate for controls (%): 41
Cases and controls matched on sex: present
Cases and controls matched on age (CC): present
Cases and controls matched on other (not sex/a/r): present
Comments : Frequency matched. Ages studied were <46 and 55-69

KREUZE

(continued)

Results presented (current db) Results presented for ex-smokers: present
 Results presented for current smokers: present
 Results presented for ever smokers: present
 Results for pipe+cigar smokers, not separately: present
 Results presented by amount smoked: present
 Definition of type of pipe: Western pipe
 Definition of ex-smoker: gave up >5 years
 Comments : Alternative results for smoking 5-15 years ago also available

Other smoking/tob rel results Results presented by duration of smoking: present
 Results presented by pack-years: present

Other non-smok-rel results Results presented by family history of lung cancer: present

Confounders considered Total number of confounders considered: 3
 Results presented adjusted for age: 1
 Results presented adjusted for risky occupation: 1
 Results presented adjusted for region: 1

KREYBE Study description Study title : Kreyberg
 Full study title : Norway CC study 1948-53
 Study overlap/links: None
 Study sex : both
 Lowest age in study : 1
 Highest age in study (at baseline): 99
 Study race : all (in country)
 Continent : WEurope/Scandinavia
 Country in W Europe : Norway
 Start year of study : 1948
 End year of study : 1953
 Principal publication year: 1955
 Reference ID of principal publication: KREYBE1955
 Number of lung cancer cases: 300
 Number of controls/at risk: 5169
 Comments : Also KREYBE1954A and KREYBE1954D

Study design Study type : case/control
 Type of controls (for CC studies): healthy + diseased
 Control diseases/causes of death: All except ENT
 Type of population : patients/doctors/indus workers
 Cases and controls from different hospitals: present
 Cases and controls different interview setting: present
 Cases have full (100%) histological confirmation: present
 Histological confirmation of cases: Full
 Extent of histological confirmation in cases (%): 100
 Comments : Controls were age 15+ and were combination of various groups: 2 male and 1 female industrial groups, doctors (who represented 56% of male and 17% of female controls), general hospital inpatients, and casualty patients+friends. Non-response was negligible for the casualty group and one of the male industry groups but for the other groups response 'fell substantially short'

Results presented (current db) Results presented by histological type: present
 Results presented for ever smokers: present
 Results presented by amount smoked: present

Confounders considered Total number of confounders considered: 1
 Results presented adjusted for age: 1

KUBIK Study description Study title : Kubik
 Full study title : Czechoslovakia Kolin district cohort study 1965-71
 Study overlap/links: None
 Study sex : male
 Lowest age in study : 40
 Highest age in study (at baseline): 64
 Highest age in study at final followup: 70
 Study race : all (in country)
 Continent : EEurope/Balkans
 Country in E Europe/Balkans: Czechoslovakia etc
 Start year of study : 1965
 End year of study : 1966
 Final follow up year: 1971
 Principal publication year: 1984
 Reference ID of principal publication: KUBIK1984
 Number of lung cancer cases: 108
 Number of controls/at risk: 12322
 Comments : Also KUBIK1970

Study design Study type : prospective
 Prospective study : present
 Type of population : gen pop excl abnormal Xray
 Histological confirmation of cases: Partial
 Response rate in prospective study at baseline (%): 95
 Comments : Response rate of 95% is for all persons (over 15 years) who attended for X-ray survey not for those aged 40-64 who were eligible for the study. All cases were confirmed by histology or cytology

Results presented (current db) Results presented for ex-smokers: present
 Results presented for current smokers: present
 Results presented for ever smokers: present
 More detailed results available (re current db): present
 Definition of ex-smoker: gave up >6 mths
 Comments : Results also available for single years of followup

Other smoking/tob rel results Results presented by pack-years: present

Other non-smok-rel results Results presented by current medical conds/obs: present

LAMTH Study description Study title : LamTH
 Full study title : Hong Kong 8 hospital CC study 1983-86
 Study overlap/links: KOO/LAMTH/LAMWK
 Study sex : female
 Lowest age in study : 1
 Highest age in study (at baseline): 99
 Study race : chinese
 Continent : Asia
 Country in Asia : HongKong
 Start year of study : 1983
 End year of study : 1986
 Principal publication year: 1987
 Reference ID of principal publication: LAM1987
 Number of lung cancer cases: 445
 Number of controls/at risk: 445
 Comments : Also LAM1988. Cases may overlap with KOO which also used 8 hospitals ending in 1983 (month not stated); also with LAMWK which probably used one of the 8 hospitals in this study (ending 1984)

LAMWK2 Study description
 Study title : LamWK 2
 Full study title : Hong Kong Queen Mary Hospital CC study 1976-80
 Study overlap/links: Chan/LamWK2
 Study sex : both
 Lowest age in study : 1
 Highest age in study (at baseline): 99
 Study race : all (in country)
 Continent : Asia
 Country in Asia : HongKong
 Start year of study : 1976
 End year of study : 1980
 Principal publication year: 1983
 Reference ID of principal publication: LAM1983
 Number of lung cancer cases: 480
 Number of controls/at risk: 393
 Comments : Also KOO1985 and CHAN1979. Control group is same as study CHAN. Cases must also overlap, as hospital is one of those used by CHAN, and years include those used by CHAN

Study design
 Study type : case/control
 Type of controls (for CC studies): diseased/hospital
 Control diseases/causes of death: Orthopaedic
 Type of population : general population
 Cases and controls from different hospitals: present
 Cases and controls different interview setting: present
 Histological confirmation of cases: Partial
 Extent of histological confirmation in cases (%): 77
 Response rate for cases (%): 98
 Cases and controls matched on sex: present
 Comments : Cases based on hospital records from one hospital, controls interviewed at same hospital plus 4 other hospitals

Results presented (current db)
 Results presented by histological type: present
 Results presented for ever smokers: present

LANGE Study description
 Study title : Lange
 Full study title : Denmark Copenhagen City Heart cohort study 1976-89
 Study overlap/links: Subset of PRESCO
 Study sex : both
 Lowest age in study : 20
 Highest age in study (at baseline): 99
 Highest age in study at final followup: 99
 Study race : all (in country)
 Continent : WEurope/Scandinavia
 Country in W Europe : Denmark
 Start year of study : 1976
 End year of study : 1978
 Final follow up year: 1989
 Principal publication year: 1992
 Reference ID of principal publication: LANGE1992
 Number of lung cancer cases: 268
 Number of controls/at risk: 14214
 Comments : Also LANGE1993, LANGE1990C and LANGE1990A

Study design
 Study type : prospective
 Prospective study : present
 Type of population : general population
 Histological confirmation of cases: Death certificate (unchecked)
 Response rate in prospective study at baseline (%): 74

LANGE

(continued)

Results presented (current db) Results presented for ex-smokers: present
 Results presented for current smokers: present
 Results presented for ever smokers: present
 Results presented by cigarette type: present
 Results presented for pipe smokers: present
 Results presented for cigar smokers: present
 More detailed results available (re current db): present
 Definition of type of pipe: Western pipe
 Definition of ex-smoker: gave up >1 year
 Comments : Also mixed products (i.e. currently smoking more than one of filter cigs, plain cigs, cheroot/cigar and pipe)

Other smoking/tob rel results Results presented by inhalation level: present
 Results presented by duration of smoking: present
 Results presented by pack-years: present

Other non-smok-rel results Results presented for other diseases: present

Confounders considered Total number of confounders considered: 3
 Results presented adjusted for sex: present
 Results presented adjusted for age: 1
 Results presented adjusted for aspects of smoking: 1

LAURIL Study description Study title : Laurila
 Full study title : Finland ATBC nested CC study 1988-93
 Study overlap/links: None
 Study sex : male
 Lowest age in study : 53
 Highest age in study (at baseline): 72
 Highest age in study at final followup: 77
 Study race : all (in country)
 Continent : WEurope/Scandinavia
 Country in W Europe : Finland
 Start year of study : 1988
 End year of study : 1991
 Final follow up year: 1993
 Principal publication year: 1997
 Reference ID of principal publication: LAURIL1997
 Number of lung cancer cases: 230
 Number of controls/at risk: 230
 Comments : Also VIRTAM1991 and WOODSO1999A. VIRTAM1991 reports results for a larger number of Lung cancer cases but simply gives a relative risk (with no confidence limits) for <14 cigs per day vs >30 cigs per day. WOODSO1999A presents results from an overlapping nested case control study that has not been entered as the denominator used is <19 cigs per day

Study design Study type : nested case/control
 Type of controls (for CC studies): healthy
 Type of population : participants supplements trial
 Histological confirmation of cases: Partial
 Extent of histological confirmation in cases (%): 76
 Response rate for cases (%): 85
 Response rate for controls (%): 92
 Cases and controls matched on age (CC): present
 Cases and controls matched on other (not sex/a/r): present
 Comments : Subjects were followed up to 8 years, but only a random sample of LC cases occurring after 3 years are included in this study. Histological confirmation rate relates to all LC cases

Results presented (current db) Results presented for current smokers: present
 Results presented by amount smoked: present

LAUSSM	Study description	Study title : Laussmann Full study title : Germany Aue/Saxony uranium miners CC study 1982-89 Study overlap/links: None Study sex : male Lowest age in study : 1 Highest age in study (at baseline): 99 Study race : all (in country) Continent : WEurope/Scandinavia Country in W Europe : Germany Start year of study : 1982 End year of study : 1989 Principal publication year: 1992 Reference ID of principal publication: LAUSSM1992 Number of lung cancer cases: 432 Number of controls/at risk: 414
	Study design	Study type : case/control Type of controls (for CC studies): diseased/hospital Control diseases/causes of death: Cancers excl bronchial/skin tumours Type of population : general population Histological confirmation of cases: Diagnosis (not checked) Response rate for cases (%): 81 Response rate for controls (%): 79 Cases and controls matched on age (CC): present Comments : Information taken from cancer registry records
	Results presented (current db)	Results presented for ex-smokers: present Results presented for current smokers: present Results presented for ever smokers: present Results presented by amount smoked: present Definition of ex-smoker: gave up >10 years
	Other non-smok-rel results	Results presented by risky occupational exposure: present
	Confounders considered	Total number of confounders considered: 3 Results presented adjusted for age: 1 Results presented adjusted for risky occupation: 1 Results presented adjusted for curr medical obs: 1
LEI	Study description	Study title : Lei Full study title : China Guangzhou CC study 1986 Study overlap/links: None Study sex : both Lowest age in study : 1 Highest age in study (at baseline): 99 Study race : all (in country) Continent : Asia Country in Asia : China Start year of study : 1986 End year of study : 1986 Principal publication year: 1996 Reference ID of principal publication: LEI1996 Number of lung cancer cases: 792 Number of controls/at risk: 792

LEI

(continued)

Study design Study type : case/control
 Type of controls (for CC studies): decedents
 Control diseases/causes of death: no resp dis or tumor
 Type of population : gen pop long term resident
 Any proxy use : present
 Proxy use in cases (%): 100
 Proxy use in controls (%): 100
 Histological confirmation of cases: Death certificate (unchecked)
 Response rate for cases (%): 100
 Response rate for controls (%): 100
 Cases and controls matched on sex: present
 Cases and controls matched on age (CC): present
 Cases and controls matched on other (not sex/a/r): present
 Comments : Controls matched for the same street of residence as the cases. 39 deaths
 excluded (presumably because no matching control available)

Results
 presented
 (current db) Results presented for ever smokers: present

Other smoking/
 tob rel
 results Results presented by pack-years: present
 Mention of ETS (including in never smokers): present

LEMARC Study Study title : Le Marchand
 description Full study title : US Hawaii Oahu genotyping CC study 1992-97
 Study overlap/links: None
 Study sex : both
 Lowest age in study : 26
 Highest age in study (at baseline): 79
 Study race : white, japanese & hawaiian
 Continent : NAmerica
 Country in N America: USA
 US state : Hi
 Start year of study : 1992
 End year of study : 1997
 Principal publication year: 1998
 Reference ID of principal publication: LEMARC1998
 Number of lung cancer cases: 341
 Number of controls/at risk: 456

Study design Study type : case/control
 Type of controls (for CC studies): healthy
 Type of population : general population
 Cases have full (100%) histological confirmation: present
 Histological confirmation of cases: Full
 Extent of histological confirmation in cases (%): 100
 Response rate for cases (%): 64
 Response rate for controls (%): 62
 Cases and controls matched on sex: present
 Cases and controls matched on age (CC): present
 Cases and controls matched on race (CC): present

Results
 presented
 (current db) Results presented for ex-smokers: present
 Results presented for current smokers: present
 Results presented for ever smokers: present
 Definition of ex-smoker: gave up >1 year
 Comments : Cases ex if gave up 1 year ago, controls ex if gave up yesterday

LETOUR Study description Study title : Letourneau
Full study title : Canada Winnipeg radon CC study 1983-90
Study overlap/links: None
Study sex : both
Lowest age in study : 35
Highest age in study (at baseline): 80
Study race : all (in country)
Continent : NAmerica
Country in N America: Canada
Start year of study : 1983
End year of study : 1990
Principal publication year: 1994
Reference ID of principal publication: LETOUR1994
Number of lung cancer cases: 738
Number of controls/at risk: 738

Study design Study type : case/control
Type of controls (for CC studies): healthy
Type of population : general population
Any proxy use : present
Proxy use in cases (%): 34
Proxy use in controls (%): 11
Marked diff in proxy use for cases v controls: present
Cases and controls different vital status: present
Cases have full (100%) histological confirmation: present
Histological confirmation of cases: Full
Extent of histological confirmation in cases (%): 100
Cases and controls matched on sex: present
Cases and controls matched on age (CC): present

Results presented (current db) Results presented for ever smokers: present
Results presented by amount smoked: present

Other smoking/tob rel results Results presented by age of starting to smoke: present
Results presented by duration of smoking: present
Results presented by pack-years: present

LEVIN Study description Study title : Levin
Full study title : US Roswell Park Memorial CC study 1938-52
Study overlap/links: None
Study sex : male
Lowest age in study : 1
Highest age in study (at baseline): 99
Study race : all (in country)
Continent : NAmerica
Country in N America: USA
US state : Vt,Me,NY,NH,Mass,RI,Conn
Start year of study : 1938
End year of study : 1952
Principal publication year: 1954
Reference ID of principal publication: LEVIN1954
Number of lung cancer cases: 475
Number of controls/at risk: 2057
Comments : Also LEVIN1950 and LEVIN1956. Final year of study is uncertain. Overlapping study reported in Table 1 of GRAHAM1971 has not been entered

Study design Study type : case/control
Type of controls (for CC studies): diseased/hospital
Control diseases/causes of death: Non cancer patients
Type of population : general population
Histological confirmation of cases: Diagnosis (checking unknown)

LEVIN
(continued)

Results presented (current db)	Results presented for ever smokers: present Results presented for pipe smokers: present Results presented for cigar smokers: present Definition of type of pipe: Western pipe Comments : Results by amount smoked have not been entered because of apparent inconsistencies (Table IVB of LEVIN1954)
Other smoking/ tob rel results	Results presented by duration of smoking: present
Confounders considered	Total number of confounders considered: 1 Results presented adjusted for age: 1
LIAW Study description	Study title : Liaw Full study title : Taiwan 12 township cohort study 1982-94 Study overlap/links: None Study sex : both Lowest age in study : 40 Highest age in study (at baseline): 99 Highest age in study at final followup: 99 Study race : all (in country) Continent : Asia Country in Asia : Taiwan Start year of study : 1982 End year of study : 1986 Final follow up year: 1994 Principal publication year: 1998 Reference ID of principal publication: LIAW1998 Number of lung cancer cases: 127 Number of controls/at risk: 14397
Study design	Study type : prospective Prospective study : present Type of population : general population Histological confirmation of cases: Death certificate (unchecked) Response rate in prospective study at baseline (%): 25
Results presented (current db)	Results presented for current smokers: present Results presented by amount smoked: present
Other smoking/ tob rel results	Results presented by age of starting to smoke: present Results presented by duration of smoking: present Results presented by pack-years: present
Confounders considered	Total number of confounders considered: 2 Results presented adjusted for sex: present Results presented adjusted for age: 1

LICKIN Study description

Study title : Lickint
 Full study title : Germany West CC study
 Study overlap/links: None
 Study sex : male
 Continent : WEurope/Scandinavia
 Country in W Europe : Germany
 Principal publication year: 1978
 Reference ID of principal publication: COUNCI1978
 Number of lung cancer cases: 224
 Number of controls/at risk: 1000
 Comments : Original source simply given as Lickerit (1953) but probably either LICKIN1953 or LICKIN1953A, which are both unobtainable

Study design

Study type : case/control
 Type of controls (for CC studies): unstated
 Comments : No details of study design available. Assumed males

Results presented (current db)

Results presented for current smokers: present
 Results presented by amount smoked: present

LIDDEL Study description

Study title : Liddell
 Full study title : Canada Quebec chrysotile mine cohort study 1970-88
 Study overlap/links: None
 Study sex : male
 Lowest age in study : 50
 Highest age in study (at baseline): 79
 Highest age in study at final followup: 97
 Study race : all (in country)
 Continent : NAmerica
 Country in N America: Canada
 Start year of study : 1970
 End year of study : 1970
 Final follow up year: 1988
 Principal publication year: 1993
 Reference ID of principal publication: MCDONA1993
 Number of lung cancer cases: 304
 Number of controls/at risk: 5062
 Comments : Other reports on the same occupational cohort (LIDDEL1977, LIDDEL1984, LIDDEL1998, MCDONA1980A) not used because (1) some earlier reports used smoking data which were later found to contain inaccuracies and (2) some reports used nested CC designs involving matching on smoking status

Study design

Study type : prospective
 Prospective study : present
 Type of population : employed-specific industry/ies
 Histological confirmation of cases: Death certificate (unchecked)
 Response rate in prospective study at baseline (%): 95

Results presented (current db)

Results presented for ex-smokers: present
 Results presented for current smokers: present
 Results presented for ever smokers: present
 Results presented by amount smoked: present
 Definition of ex-smoker: all ex-smokers

Other non-smok-rel results

Results presented by risky occupational exposure: present

Confounders considered

Total number of confounders considered: 1
 Results presented adjusted for age: 1

LIU	Study description	Study title : Liu 1 Full study title : China Shun Yi CC study 1980-86 Study overlap/links: None Study sex : both Lowest age in study : 1 Highest age in study (at baseline): 99 Study race : all (in country) Continent : Asia Country in Asia : China Start year of study : 1980 End year of study : 1986 Principal publication year: 1993 Reference ID of principal publication: LIU1993A Number of lung cancer cases: 229 Number of controls/at risk: 229
	Study design	Study type : case/control Type of controls (for CC studies): healthy Type of population : general population Cases and controls different vital status: present Histological confirmation of cases: Death cert (partial check) Cases and controls matched on sex: present Cases and controls matched on age (CC): present Cases and controls matched on occupation: present Cases and controls matched on other (not sex/a/r): present
	Results presented (current db)	Results presented for ever smokers: present
	Confounders considered	Total number of confounders considered: 2 Results presented adjusted for cooking/heating: 1 Results presented by medical history: 1 No abnormalities were found in any of the other cards examined
LIU2	Study description	Study title : Liu 2 Full study title : China Guangzhou CC study 1983-84 Study overlap/links: None Study sex : both Lowest age in study : 1 Highest age in study (at baseline): 99 Study race : all (in country) Continent : Asia Country in Asia : China Start year of study : 1983 End year of study : 1984 Principal publication year: 1993 Reference ID of principal publication: LIU1993 Number of lung cancer cases: 316 Number of controls/at risk: 316
	Study design	Study type : case/control Type of controls (for CC studies): diseased/hospital Control diseases/causes of death: excluding cancers, COPD, TB, CHD Type of population : general population Cases and controls from different hospitals: present Histological confirmation of cases: Partial Response rate for cases (%): 97 Response rate for controls (%): 100 Cases and controls matched on sex: present Cases and controls matched on age (CC): present Cases and controls matched on other (not sex/a/r): present Comments : Confirmation by histology OR cytology was 32%

LIU2
(continued)

Results presented (current db) Results presented for ever smokers: present
Results presented by amount smoked: present

Other smoking/tob rel results Mention of ETS (including in never smokers): present

Confounders considered Total number of confounders considered: 3
Results presented adjusted for educational level: 1
Results presented adjusted for occupation (gen): 1
Results presented adj for housing quality/density: 1

No abnormalities were found in any of the other cards examined

LIU3

Study description Study title : Liu 3
Full study title : China Xuanwei farmers CC study 1985-86
Study overlap/links: None
Study sex : both
Lowest age in study : 1
Highest age in study (at baseline): 99
Study race : all (in country)
Continent : Asia
Country in Asia : China
Start year of study : 1985
End year of study : 1986
Principal publication year: 1991
Reference ID of principal publication: LIU1991
Number of lung cancer cases: 110
Number of controls/at risk: 426
Comments : Also LIU1990, HE1991, YU1996A

Study design Study type : case/control
Type of controls (for CC studies): healthy
Type of population : employed-specific industry/ies
Cases and controls different interview setting: present
Histological confirmation of cases: Partial
Response rate for cases (%): 100
Response rate for controls (%): 100
Cases and controls matched on sex: present
Cases and controls matched on age (CC): present
Cases and controls matched on other (not sex/a/r): present
Comments : Confirmation based on histology or cytology was 17%. Farmers.

Results presented (current db) Results presented for ever smokers: present
Results presented by amount smoked: present

Other smoking/tob rel results Results presented by age of starting to smoke: present
Results presented by duration of smoking: present
Results presented by pack-years: present
Results presented by/for ETS in all/active smokers: present
Mention of ETS (including in never smokers): present

Confounders considered Total number of confounders considered: 1
Results presented adjusted for cooking/heating: 1

No abnormalities were found in any of the other cards examined

LIU4	Study description	Study title : Liu 4 Full study title : China million deaths study 1986-88 Study overlap/links: None Study sex : both Lowest age in study : 35 Highest age in study (at baseline): 99 Study race : all (in country) Continent : Asia Country in Asia : China Start year of study : 1986 End year of study : 1988 Principal publication year: 1998 Reference ID of principal publication: LIU1998B Number of lung cancer cases: 10000 Number of controls/at risk: 32761
	Study design	Study type : case/control Type of controls (for CC studies): decedents Control diseases/causes of death: Excluding cancers, resp or vasc disease Type of population : general population Any proxy use : present Proxy use in cases (%): 100 Proxy use in controls (%): 100 Histological confirmation of cases: Death cert (partial check) Comments : Data separated by urban/rural used rather than weighted data for All China, where available. In the 35-69 age group there were 29029 cases and 87315 controls. Numbers not stated for 70+ age group
	Results presented (current db)	Results presented for ever smokers: present Results presented by amount smoked: present
	Other smoking/tob rel results	Results presented by age of starting to smoke: present
	Other non-smok-rel results	Results presented for other diseases: present Results presented for regions within study area: present Results presented by urban/rural: present
	Confounders considered	Total number of confounders considered: 2 Results presented adjusted for age: 1 Results presented adjusted for urban/rural: 1
LIU5	Study description	Study title : Liu 5 Full study title : China Wuhan CC study 1978-79 Study overlap/links: None Study sex : both Lowest age in study : 1 Highest age in study (at baseline): 99 Study race : all (in country) Continent : Asia Country in Asia : China Start year of study : 1978 End year of study : 1979 Principal publication year: 1981 Reference ID of principal publication: LIU1981 Number of lung cancer cases: 111 Number of controls/at risk: 111 Comments : Also YU1996A

LIU5
(continued)

Study design Study type : case/control
 Type of controls (for CC studies): healthy
 Type of population : general population
 Any proxy use : present
 Cases and controls different vital status: present
 Histological confirmation of cases: Partial
 Extent of histological confirmation in cases (%): 41
 Cases and controls matched on sex: present
 Cases and controls matched on age (CC): present

Results presented (current db) Results presented for ever smokers: present
 Results presented by amount smoked: present

Other smoking/tob rel results Results presented by age of starting to smoke: present
 Results presented by duration of smoking: present

No abnormalities were found in any of the other cards examined

LOMBA2 Study description Study title : Lombard 2
 Full study title : US Boston CC study 1960-67
 Study overlap/links: None
 Study sex : female
 Lowest age in study : 1
 Highest age in study (at baseline): 99
 Study race : all (in country)
 Continent : NAmerica
 Country in N America: USA
 US state : Vt,Me,NY,NH,Mass,RI,Conn
 Start year of study : 1960
 End year of study : 1967
 Principal publication year: 1968
 Reference ID of principal publication: LOMBAR1968
 Number of lung cancer cases: 225
 Number of controls/at risk: 592
 Comments : Some results for females (together with results for males entered as LOMBAR) are also given in LOMBAR1965, but have not been used here as they appear to have inadequate controls

Study design Study type : case/control
 Type of controls (for CC studies): healthy
 Type of population : general population
 Cases and controls different interview setting: present
 Histological confirmation of cases: Partial
 Extent of histological confirmation in cases (%): 91
 Cases and controls matched on age (CC): present

Results presented (current db) Results presented by histological type: present
 Results presented for ever smokers: present

Other smoking/tob rel results Results presented by pack-years: present

LOMBAR Study description

Study title : Lombard 1
 Full study title : US Boston CC study 1951-64
 Study overlap/links: None
 Study sex : male
 Lowest age in study : 1
 Highest age in study (at baseline): 99
 Study race : all (in country)
 Continent : NAmerica
 Country in N America: USA
 US state : Vt,Me,NY,NH,Mass,RI,Conn
 Start year of study : 1951
 End year of study : 1964
 Principal publication year: 1965
 Reference ID of principal publication: LOMBAR1965
 Number of lung cancer cases: 1040
 Number of controls/at risk: 1040
 Comments : Also LOMBAR1968 and LOMBAR1959. Female data has not been entered here, see study LOMBA2

Study design

Study type : case/control
 Type of controls (for CC studies): healthy
 Type of population : general population
 Cases and controls different interview setting: present
 Histological confirmation of cases: Partial
 Cases and controls matched on age (CC): present
 Comments : Cases include some apparently cured patients with onset of disease back to 1942. Controls were collected 1951-55 and 1963-64

Results presented (current db)

Results presented for ex-smokers: present
 Results presented for current smokers: present
 Results presented for ever smokers: present
 Results for pipe+cigar smokers, not separately: present
 Definition of type of pipe: Western pipe
 Definition of ex-smoker: unspecified

Other smoking/tob rel results

Results presented by inhalation level: present
 Results presented by pack-years: present

LUBIN Study description

Study title : Lubin 1
 Full study title : China Yunnan tin miners CC study 1984-88
 Study overlap/links: LUBIN/XIANGZ/QIAO
 Study sex : male
 Lowest age in study : 35
 Highest age in study (at baseline): 75
 Study race : all (in country)
 Continent : Asia
 Country in Asia : China
 Start year of study : 1984
 End year of study : 1988
 Principal publication year: 1992
 Reference ID of principal publication: LUBIN1992
 Number of lung cancer cases: 427
 Number of controls/at risk: 1011
 Comments : Also YAO1994 and SWANSO1992. Both YAO1994 and SWAANSO1992 present results for smoking with a slightly different number of cases. Data from LUBIN1992 chosen in preference as this reports specifically on smoking. Overlaps with XIANGZ which is prospective study with final followup during this CC study; also with QIAO, another CC study which also included the first year of this study

LUBIN
(continued)

Study design	Study type : case/control Type of controls (for CC studies): healthy Type of population : gen pop plus specific industry Any proxy use : present Proxy use in cases (%): 58 Proxy use in controls (%): 14 Marked diff in proxy use for cases v controls: present Histological confirmation of cases: Partial Extent of histological confirmation in cases (%): 61 Response rate for cases (%): 92 Response rate for controls (%): 91 Cases and controls matched on age (CC): present Comments : % histological confirmation calculated from cases shown as biopsied in Table 1 page 391 of LUBIN1992. % proxy use in cases calculated from data given on Page 391 of LUBIN1992. Both cases and controls are combination of two groups - mining company employees and city residents.
Results presented (current db)	Results presented by histological type: present Results presented for ever smokers: present Results presented for pipe smokers: present Results presented by amount smoked: present More detailed results available (re current db): present Definition of type of pipe: Water & Chinese long stemmed Comments : Results are available for amount of cigarettes by amount of pipes, we have entered data only for non-pipe smokers
Other smoking/ tob rel results	Results presented by inhalation level: present Results presented by age of starting to smoke: present Results presented by duration of smoking: present Results presented by years since stopped smoking: present
Other non-smok-rel results	Results presented by risky occupational exposure: present
Confounders considered	Total number of confounders considered: 5 Results presented adjusted for age: 1 Results presented adjusted for risky occupation: 1 Results presented adjusted by source of case: 1 Results presented adjusted by type of respondent: 1 Results presented adjusted for aspects of smoking: 1
LUBIN2 Study description	Study title : Lubin 2 Full study title : West Europe CC study 1976-80 Study overlap/links: Lubin-combined Study sex : both Lowest age in study : 1 Highest age in study (at baseline): 99 Study race : all (in country) Continent : WEurope/Scandinavia Country in W Europe : Multi Start year of study : 1976 End year of study : 1980 Principal publication year: 1984 Reference ID of principal publication: LUBIN1984A Number of lung cancer cases: 7804 Number of controls/at risk: 15207 Comments : Also LUBIN1984, LUBIN1984B, LUBIN1984C, LUBIN1984D, LUBIN1998, LYNCH1981. Combined results from studies at seven centres (5 countries: Austria, France, Germany, Italy, Scotland) Studies also entered separately as GILLIS, PISANI, VUTUC, BENHAM, BERRIN

LUBIN2
(continued)

Study design	Study type : case/control Type of controls (for CC studies): diseased/hospital Control diseases/causes of death: Diseases unrelated to tobacco Type of population : general population Cases have full (100%) histological confirmation: present Histological confirmation of cases: Full Extent of histological confirmation in cases (%): 100 Cases and controls matched on sex: present Cases and controls matched on age (CC): present Cases and controls matched on other (not sex/a/r): present Comments : Study design varied a little between the seven centres, with some including some healthy controls, some using controls from different hospitals, some restricted to long-term residents
Results presented (current db)	Results presented by histological type: present Results presented for ex-smokers: present Results presented for current smokers: present Results presented for ever smokers: present Results presented by cigarette type: present Results presented for pipe smokers: present Results presented for cigar smokers: present Results presented by amount smoked: present Definition of type of pipe: Western pipe Definition of ex-smoker: gave up >5 years
Other smoking/tob rel results	Results presented by tar level: present Results presented by inhalation level: present Results presented by age of starting to smoke: present Results presented by duration of smoking: present Results presented by years since stopped smoking: present Results presented by time of plain-filter switch: present Results presented for product switch: present Results presented by change in amount smoked: present Results presented by fraction length smoked: present Results presented for inhalation frequency: present Results presented by proportion of years filter: present
Confounders considered	Total number of confounders considered: 5 Results presented adjusted for age: 1 Results presented adjusted for aspects of smoking: 3 Results presented adjusted for region: 1
LUO Study description	Study title : Luo Full study title : China Fuzhou CC study 1990-91 Study overlap/links: None Study sex : both Lowest age in study : 1 Highest age in study (at baseline): 99 Study race : all (in country) Continent : Asia Country in Asia : China Start year of study : 1990 End year of study : 1991 Principal publication year: 1996 Reference ID of principal publication: LUO1996 Number of lung cancer cases: 102 Number of controls/at risk: 306

LUO
(continued)

Study design	Study type : case/control Type of controls (for CC studies): healthy Type of population : general population Cases have full (100%) histological confirmation: present Histological confirmation of cases: Full Extent of histological confirmation in cases (%): 100 Response rate for cases (%): 82 Cases and controls matched on sex: present Cases and controls matched on age (CC): present Cases and controls matched on race (CC): present Comments : Controls were age 35-75 but there appears to be no age restriction on cases. Matching on ethnicity is mentioned in the abstract but not in the Methods
Results presented (current db)	Results presented by histological type: present Results presented for ever smokers: present Results presented by amount smoked: present Comments : Ever smoker = regular smoker for 6 months
Other smoking/tob rel results	Results presented by inhalation level: present Results presented by age of starting to smoke: present Results presented by duration of smoking: present Results presented by years since stopped smoking: present Results presented by/for ETS in all/active smokers: present Mention of ETS (including in never smokers): present
Confounders considered	Total number of confounders considered: 6 Results presented adj for socioeconomic status: 1 Results presented adjusted for cooking/heating: 1 Results presented by medical history: 1 Results presented adjusted for aspects of smoking: 2 Results presented adjusted for ETS: 1
MACLEN Study description	Study title : MacLennan Full study title : Singapore CC study 1972-73 Study overlap/links: None Study sex : both Lowest age in study : 1 Highest age in study (at baseline): 99 Study race : chinese Continent : Asia Country in Asia : Singapore Start year of study : 1972 End year of study : 1973 Principal publication year: 1977 Reference ID of principal publication: MACLEN1977 Number of lung cancer cases: 233 Number of controls/at risk: 300
Study design	Study type : case/control Type of controls (for CC studies): diseased/hospital Control diseases/causes of death: Excluding smoking related diseases Type of population : general population Histological confirmation of cases: Partial Extent of histological confirmation in cases (%): 50 Cases and controls matched on sex: present Cases and controls matched on age (CC): present Cases and controls matched on other (not sex/a/r): present Comments : % histologically confirmed is approximate

MACLEN

(continued)

Results presented (current db) Results presented for ex-smokers: present
 Results presented for current smokers: present
 Results presented for ever smokers: present
 Results presented by cigarette type: present
 Results presented for handrolled cig smokers: present
 Results presented by amount smoked: present
 Definition of handrolled cigarettes: Chinese tobacco HR
 Definition of ex-smoker: all ex-smokers
 Comments : Results by histological type not used as they include other cases previously reported by LAW1976 which were for earlier years, not matched to controls, and had smoking histories unsystematically obtained from hospital records

Other non-smok-rel results Results presented by dialect spoken: present

Confounders considered Total number of confounders considered: 2
 Results presented adj for socioeconomic status: 1
 Results presented adjusted for dietary factors: 1

MAGNUS

Study description Study title : Magnus
 Full study title : Norway nickel workers cohort study 1953-93
 Study overlap/links: None
 Study sex : male
 Lowest age in study : 15
 Highest age in study (at baseline): 99
 Highest age in study at final followup: 99
 Study race : all (in country)
 Continent : WEurope/Scandinavia
 Country in W Europe : Norway
 Start year of study : 1953
 End year of study : 1983
 Final follow up year: 1993
 Principal publication year: 1996
 Reference ID of principal publication: ANDERS1996A
 Number of lung cancer cases: 203
 Number of controls/at risk: 4764
 Comments : Also MAGNUS1982, which included only 2247 persons employed before 1966 (82 LC cases)

Study design Study type : prospective
 Prospective study : present
 Type of population : employed-specific industry/ies
 Any proxy use : present
 Proxy use in prospective study at baseline (%): 3
 Histological confirmation of cases: Diagnosis (checking unknown)
 Response rate in prospective study at baseline (%): 95

Results presented (current db) Results presented for ever smokers: present

Other non-smok-rel results Results presented by risky occupational exposure: present

Confounders considered Total number of confounders considered: 3
 Results presented adjusted for age: 1
 Results presented adjusted for risky occupation: 1
 Results presented adjusted for time period: 1

MARSH	Study description	Study title : Marsh 1 Full study title : US Arizona 6 smelter town CC study 1979-90 Study overlap/links: None Study sex : both Lowest age in study : 1 Highest age in study (at baseline): 99 Study race : all (in country) Continent : NAmerica Country in N America: USA US state : Nev,Ut,Ariz Start year of study : 1979 End year of study : 1990 Principal publication year: 1997 Reference ID of principal publication: MARSH1997 Number of lung cancer cases: 150 Number of controls/at risk: 322
	Study design	Study type : case/control Type of controls (for CC studies): decedents Control diseases/causes of death: Excluding respiratory and skin cancers and arsenic poisoning Type of population : general population Any proxy use : present Proxy use in cases (%): 100 Proxy use in controls (%): 100 Histological confirmation of cases: Death certificate (unchecked) Response rate for cases (%): 82 Response rate for controls (%): 88 Cases and controls matched on sex: present Cases and controls matched on age (CC): present Cases and controls matched on other (not sex/a/r): present
	Results presented (current db)	Results presented for ever smokers: present Results for pipe+cigar smokers, not separately: present Definition of type of pipe: Western pipe
	Other smoking/tob rel results	Results presented by/for ETS in all/active smokers: present Mention of ETS (including in never smokers): present
	Confounders considered	Total number of confounders considered: 2 Results presented adjusted for sex: present Results presented adjusted for race: 1
MARSH2	Study description	Study title : Marsh 2 Full study title : US Arizona 4 smelter town CC study 1979-90 Study overlap/links: None Study sex : both Lowest age in study : 1 Highest age in study (at baseline): 99 Study race : all (in country) Continent : NAmerica Country in N America: USA US state : Nev,Ut,Ariz Start year of study : 1979 End year of study : 1990 Principal publication year: 1998 Reference ID of principal publication: MARSH1998 Number of lung cancer cases: 114 Number of controls/at risk: 210

MARSH2
(continued)

Study design Study type : case/control
 Type of controls (for CC studies): decedents
 Control diseases/causes of death: Excluding respiratory and skin cancers and arsenic poisoning
 Type of population : general population
 Any proxy use : present
 Proxy use in cases (%) : 100
 Proxy use in controls (%) : 100
 Histological confirmation of cases: Death certificate (unchecked)
 Response rate for cases (%) : 80
 Response rate for controls (%) : 74
 Cases and controls matched on sex: present
 Cases and controls matched on age (CC): present
 Cases and controls matched on other (not sex/a/r): present

Results
 presented
 (current db) Results presented for ever smokers: present
 Results for pipe+cigar smokers, not separately: present
 Definition of type of pipe: Western pipe

Other smoking/
 tob rel
 results Results presented by/for ETS in all/active smokers: present
 Mention of ETS (including in never smokers): present

Confounders
 considered Total number of confounders considered: 1
 Results presented adjusted for race: 1

MARTIS Study Study title : Martischnig
 description Full study title : UK Tyneside asbestos CC study 1972-73
 Study overlap/links: None
 Study sex : male
 Lowest age in study : 1
 Highest age in study (at baseline): 99
 Study race : all (in country)
 Continent : WEurope/Scandinavia
 Country in W Europe : UK
 Start year of study : 1972
 End year of study : 1973
 Principal publication year: 1977
 Reference ID of principal publication: MARTIS1977
 Number of lung cancer cases: 201
 Number of controls/at risk: 201

Study design Study type : case/control
 Type of controls (for CC studies): diseased/hospital
 Control diseases/causes of death: No evidence of bronchial carcinoma
 Type of population : general population
 Cases and controls from different hospitals: present
 Histological confirmation of cases: Partial
 Cases and controls matched on age (CC): present

Results
 presented
 (current db) Results presented for ever smokers: present
 Results presented by amount smoked: present

Other
 non-smok-rel
 results Results presented by risky occupational exposure: present

MASTRA	Study description	Study title : Mastrangelo Full study title : Italy silica CC study 1973-80 Study overlap/links: None Study sex : male Lowest age in study : 1 Highest age in study (at baseline): 99 Study race : all (in country) Continent : WEurope/Scandinavia Country in W Europe : Italy Start year of study : 1973 End year of study : 1980 Principal publication year: 1988 Reference ID of principal publication: MASTRA1988 Number of lung cancer cases: 309 Number of controls/at risk: 309
	Study design	Study type : case/control Type of controls (for CC studies): diseased/hospital Control diseases/causes of death: Chest disease -not LC/chronic bronchitis Type of population : general population Histological confirmation of cases: Partial Extent of histological confirmation in cases (%): 43 Response rate for cases (%): 80 Cases and controls matched on age (CC): present Cases and controls matched on other (not sex/a/r): present Comments : All information taken from hospital records, no interviews
	Results presented (current db)	Results presented for ever smokers: present Results presented by amount smoked: present
	Other non-smok-rel results	Results presented by risky occupational exposure: present Results presented by current medical conds/obs: present
	Confounders considered	Total number of confounders considered: 2 Results presented adjusted for risky occupation: 1 Results presented by medical history: 1
MATOS	Study description	Study title : Matos Full study title : Argentina Buenos Aires CC study 1994-96 Study overlap/links: None Study sex : male Lowest age in study : 1 Highest age in study (at baseline): 99 Study race : all (in country) Continent : SCAmerica Country in S/C America: Argentina Start year of study : 1994 End year of study : 1996 Principal publication year: 1998 Reference ID of principal publication: MATOS1998 Number of lung cancer cases: 200 Number of controls/at risk: 397
	Study design	Study type : case/control Type of controls (for CC studies): diseased/hospital Control diseases/causes of death: Conditions unrelated to tobacco use Type of population : general population Histological confirmation of cases: Partial Extent of histological confirmation in cases (%): 95 Response rate for cases (%): 93 Response rate for controls (%): 99 Cases and controls matched on age (CC): present Cases and controls matched on other (not sex/a/r): present

MATOS
(continued)

Results presented (current db) Results presented by histological type: present
Results presented for ex-smokers: present
Results presented for current smokers: present
Results presented for ever smokers: present
Results presented by cigarette type: present
Results for pipe+cigar smokers, not separately: present
Results presented by amount smoked: present
Definition of type of pipe: Western pipe
Definition of ex-smoker: gave up >1 year

Other smoking/tob rel results Results presented by tobacco type: black/blond etc: present
Results presented by inhalation level: present
Results presented by age of starting to smoke: present
Results presented by duration of smoking: present
Results presented by pack-years: present
Results presented by years since stopped smoking: present

Confounders considered Total number of confounders considered: 4
Results presented adjusted for age: 1
Results presented adjusted for aspects of smoking: 2
Results presented adjusted for hospital in study: 1

MATSUD Study description Study title : Matsuda
Full study title : Japan Osaka CC study 1965
Study overlap/links: SOBUE2/MATSUD
Study sex : male
Lowest age in study : 40
Highest age in study (at baseline): 99
Study race : all (in country)
Continent : Asia
Country in Asia : Japan
Start year of study : 1965
End year of study : 1965
Principal publication year: 1966
Reference ID of principal publication: MATSUD1966
Number of lung cancer cases: 179
Number of controls/at risk: 4564
Comments : Also HIRAYA1967B. Possible overlap of cases with SOBUE2, an Osaka CC study in the same hospital 1965 - 1983

Study design Study type : case/control
Type of controls (for CC studies): healthy
Type of population : general population
Cases and controls different interview setting: present
Histological confirmation of cases: Partial
Response rate for controls (%): 80
Comments : Age of cases not stated. General population controls (age 40+) entered here, alternative control group of employees (age 45-59) not used as less likely to be appropriate age range for cases

Results presented (current db) Results presented by histological type: present
Results presented for ever smokers: present
Results presented by amount smoked: present

Other non-smok-rel results Results presented by site of lung cancer: present

MCCONN Study description Study title : Mcconnell
Full study title : UK Liverpool CC study 1946-49
Study overlap/links: None
Study sex : both
Lowest age in study : 1
Highest age in study (at baseline): 99
Study race : all (in country)
Continent : WEurope/Scandinavia
Country in W Europe : UK
Start year of study : 1946
End year of study : 1949
Principal publication year: 1952
Reference ID of principal publication: MCCONN1952
Number of lung cancer cases: 100
Number of controls/at risk: 200

Study design Study type : case/control
Type of controls (for CC studies): diseased/hospital
Control diseases/causes of death: No known or suspected cancer
Type of population : general population
Cases have full (100%) histological confirmation: present
Histological confirmation of cases: Full
Extent of histological confirmation in cases (%): 100
Cases and controls matched on sex: present
Cases and controls matched on age (CC): present
Comments : Controls were interviewed in two waves, first 1948-49, second 1950

Results presented (current db) Results presented for ever smokers: present
Results presented for pipe smokers: present
Results presented by amount smoked: present
More detailed results available (re current db): present
Definition of type of pipe: Western pipe
Comments : Results are also available by age and amount smoked for pipe only smoker and for pipe and cigarette smokers

Other smoking/tob rel results Results presented by duration of smoking: present

MCDUFF Study description Study title : McDuffie
Full study title : Canada Saskatchewan CC study 1979-83
Study overlap/links: None
Study sex : male
Lowest age in study : 1
Highest age in study (at baseline): 99
Study race : all (in country)
Continent : NAmerica
Country in N America: Canada
Start year of study : 1979
End year of study : 1983
Principal publication year: 1988
Reference ID of principal publication: MCDUFF1988A
Number of lung cancer cases: 165
Number of controls/at risk: 165

Study design Study type : case/control
Type of controls (for CC studies): healthy
Type of population : same-sex sibling pairs
Any proxy use : present
Marked diff in proxy use for cases v controls: present
Cases and controls different vital status: present
Histological confirmation of cases: Partial
Response rate for controls (%): 62
Comments : Controls were siblings of cases. For proxy interviews (cases only) medical records were also checked

MCDUFF
(continued)

Results presented (current db) Results presented for ever smokers: present

Other smoking/tob rel results Results presented by age of starting to smoke: present
Results presented by duration of smoking: present
Results presented by pack-years: present
Results presented by years since stopped smoking: present

MCLAUG Study description

Study title : McLaughlin
Full study title : China 5 region silica workers CC study 1972-89
Study overlap/links: None
Study sex : male
Lowest age in study : 15
Highest age in study (at baseline): 99
Study race : all (in country)
Continent : Asia
Country in Asia : China
Start year of study : 1972
End year of study : 1989
Principal publication year: 1992
Reference ID of principal publication: MCLAUG1992B
Number of lung cancer cases: 316
Number of controls/at risk: 1352

Study design

Study type : case/control
Type of controls (for CC studies): healthy
Type of population : employed-specific industry/ies
Any proxy use : present
Proxy use in cases (%): 100
Marked diff in proxy use for cases v controls: present
Cases and controls different vital status: present
Histological confirmation of cases: Partial
Extent of histological confirmation in cases (%): 9
Cases and controls matched on age (CC): present
Cases and controls matched on occupation: present
Comments : Workers in 29 mines and factories with silica exposure, from 5 provinces. 11 females omitted from analysis

Results presented (current db) Results presented for ever smokers: present

Other non-smok-rel results Results presented by risky occupational exposure: present

No abnormalities were found in any of the other cards examined

MIGRAN Study description

Study title : UK Migrant
 Full study title : UK British part of migrant cohort study 1964-77
 Study overlap/links: None
 Study sex : both
 Lowest age in study : 35
 Highest age in study (at baseline): 69
 Highest age in study at final followup: 81
 Study race : all (in country)
 Continent : WEurope/Scandinavia
 Country in W Europe : UK
 Start year of study : 1964
 End year of study : 1965
 Final follow up year: 1977
 Principal publication year: 1979
 Reference ID of principal publication: LEE1979B
 Number of lung cancer cases: 259
 Number of controls/at risk: 17696
 Comments : Also LEE1981 and TODD1978A

Study design

Study type : prospective
 Prospective study : present
 Type of population : gen pop + migrant siblings
 Histological confirmation of cases: Death certificate (unchecked)
 Response rate in prospective study at baseline (%): 73
 Comments : Response rate is for population sample only

Results presented (current db)

Results presented for ex-smokers: present
 Results presented for current smokers: present
 Results presented for ever smokers: present
 Results presented by cigarette type: present
 Results presented for handrolled cig smokers: present
 Results for pipe+cigar smokers, not separately: present
 Results presented by amount smoked: present
 Definition of handrolled cigarettes: Western HR
 Definition of type of pipe: Western pipe
 Definition of ex-smoker: all ex-smokers

Other smoking/tob rel results

Results presented by inhalation level: present
 Results presented by age of starting to smoke: present

Other non-smok-rel results

Results presented for other diseases: present

Confounders considered

Total number of confounders considered: 3
 Results presented adjusted for age: 1
 Results presented adjusted by source of case: 1
 Results presented adjusted for aspects of smoking: 1

MILLER Study description

Study title : Miller
 Full study title : US Erie County CC study 1972-84
 Study overlap/links: None
 Study sex : female
 Lowest age in study : 30
 Highest age in study (at baseline): 99
 Study race : all (in country)
 Continent : NAmerica
 Country in N America: USA
 US state : Pa,NJ,Md,WVa,Va,Del,WashDC
 Start year of study : 1972
 End year of study : 1984
 Principal publication year: 1994
 Reference ID of principal publication: MILLER1994
 Number of lung cancer cases: 168
 Number of controls/at risk: 5245

Study design

Study type : case/control
 Type of controls (for CC studies): decedents
 Control diseases/causes of death: Not accident, homicide, suicide
 Type of population : general population
 Any proxy use : present
 Proxy use in cases (%): 100
 Proxy use in controls (%): 100
 Histological confirmation of cases: Death certificate (unchecked)
 Response rate for cases (%): 73
 Response rate for controls (%): 73
 Comments : Response rate 73% for cases and controls combined

Results presented (current db)

Results presented for ever smokers: present

Other smoking/tob rel results

Mention of ETS (including in never smokers): present

Confounders considered

Total number of confounders considered: 1
 Results presented adjusted for age: 1

MILLS Study description

Study title : Mills
 Full study title : US Ohio CC study 1940-47
 Study overlap/links: None
 Study sex : male
 Lowest age in study : 1
 Highest age in study (at baseline): 99
 Study race : whites (inc hispanic)
 Continent : NAmerica
 Country in N America: USA
 US state : Mich,Ind,Oh,Tenn
 Start year of study : 1940
 End year of study : 1947
 Principal publication year: 1950
 Reference ID of principal publication: MILLS1950
 Number of lung cancer cases: 444
 Number of controls/at risk: 430

MILLS
(continued)

Study design Study type : case/control
 Type of controls (for CC studies): healthy
 Type of population : general population
 Any proxy use : present
 Proxy use in cases (%) : 100
 Marked diff in proxy use for cases v controls: present
 Cases and controls different interview setting: present
 Cases and controls different vital status: present
 Histological confirmation of cases: Death certificate (unchecked)
 Response rate for cases (%): 50
 Comments : Cases died 1940-1946 in Cincinnati and Detroit. Controls interviewed 1947 in
 Columbus, and were restricted to age 20+. Controls were whites of both sexes, cases were both
 sexes and all races, but results are only reported for white males

Results
 presented Results presented for ever smokers: present
 (current db) Results for pipe+cigar smokers, not separately: present
 Definition of type of pipe: Western pipe

Other
 non-smok-rel Results presented for other diseases: present
 results

Confounders
 considered Total number of confounders considered: 1
 Results presented adjusted for age: 1

MOLLO Study Study title : Mollo
 description Full study title : Italy Turin CC study 1982-92
 Study overlap/links: None
 Study sex : male
 Lowest age in study : 1
 Highest age in study (at baseline): 99
 Study race : all (in country)
 Continent : WEurope/Scandinavia
 Country in W Europe : Italy
 Start year of study : 1982
 End year of study : 1992
 Principal publication year: 1995
 Reference ID of principal publication: MOLLO1995
 Number of lung cancer cases: 145
 Number of controls/at risk: 178

Study design Study type : case/control
 Type of controls (for CC studies): decedents
 Control diseases/causes of death: Diseases unrelated to asbestos
 Type of population : general population
 Any proxy use : present
 Proxy use in cases (%) : 100
 Proxy use in controls (%): 100
 Cases have full (100%) histological confirmation: present
 Histological confirmation of cases: Full
 Extent of histological confirmation in cases (%): 100
 Response rate for cases (%): 100
 Response rate for controls (%): 100
 Cases and controls matched on age (CC): present
 Comments : frequency matched on age

Results
 presented Results presented by histological type: present
 (current db) Results presented for ever smokers: present
 Results presented by amount smoked: present

Confounders
 considered Total number of confounders considered: 2
 Results presented adjusted for age: 1
 Results presented adjusted for risky occupation: 1

MRFIT	Study description	Study title : MRFIT Full study title : US MRFIT initial screening cohort study 1973-82 Study overlap/links: MRFIT-overall Study sex : male Lowest age in study : 35 Highest age in study (at baseline): 57 Highest age in study at final followup: 69 Study race : all (in country) Continent : NAmerica Country in N America: USA US state : multi (not all) Start year of study : 1973 End year of study : 1976 Final follow up year: 1982 Principal publication year: 1991 Reference ID of principal publication: KULLER1991 Number of lung cancer cases: 2004 Number of controls/at risk: 361662 Comments : Also FRIEDE1990
	Study design	Study type : prospective Prospective study : present Type of population : persons attending screening Histological confirmation of cases: Death certificate (unchecked)
	Results presented (current db)	Results presented for current smokers: present Results presented by amount smoked: present
	Other non-smok-rel results	Results presented for other diseases: present
	Confounders considered	Total number of confounders considered: 4 Results presented adjusted for age: 1 Results presented adjusted for race: 1 Results presented adjusted for curr medical obs: 2
MRFITR	Study description	Study title : MRFIT-randomize Full study title : US MRFIT randomized subjects cohort study 1973-85 Study overlap/links: Subset of MRFIT Study sex : male Lowest age in study : 35 Highest age in study (at baseline): 57 Highest age in study at final followup: 69 Study race : all (in country) Continent : NAmerica Country in N America: USA US state : multi (not all) Start year of study : 1973 End year of study : 1976 Final follow up year: 1985 Principal publication year: 1991 Reference ID of principal publication: KULLER1991 Number of lung cancer cases: 119 Number of controls/at risk: 12866 Comments : Also FRIEDE1990, KULLER1990 and OCKENE1990
	Study design	Study type : prospective Prospective study : present Type of population : high coronary risk Histological confirmation of cases: Death certificate (unchecked) Comments : Group selected after initial screening as high CHD risk factor score, then randomized into intervention and usual care groups

MRFITR

(continued)

Results presented (current db)	Results presented for ex-smokers: present Results presented for current smokers: present Results presented for ever smokers: present Results presented by cigarette type: present Results presented by amount smoked: present Definition of ex-smoker: all ex-smokers
Other smoking/tob rel results	Results presented by tar level: present Results presented by age of starting to smoke: present Results presented by nicotine level of cigarette: present
Other non-smok-rel results	Results presented for other diseases: present
Confounders considered	Total number of confounders considered: 9 Results presented adjusted for age: 1 Results presented adjusted for alcohol: 1 Results presented adjusted for curr medical obs: 3 Results presented adjusted for aspects of smoking: 4
MURATA Study description	Study title : Murata Full study title : Japan Chiba gastric screen nested CC study 1984-93 Study overlap/links: None Study sex : male Study race : all (in country) Continent : Asia Country in Asia : Japan Start year of study : 1984 End year of study : 1984 Final follow up year: 1993 Principal publication year: 1996 Reference ID of principal publication: MURATA1996A Number of lung cancer cases: 107 Number of controls/at risk: 214
Study design	Study type : nested case/control Type of controls (for CC studies): healthy Type of population : persons attending screening Histological confirmation of cases: Diagnosis (checking unknown) Cases and controls matched on age (CC): present Cases and controls matched on other (not sex/a/r): present
Results presented (current db)	Results presented for current smokers: present Results presented by amount smoked: present Comments : Current smokers includes ex-smokers quit <2years ago
Other non-smok-rel results	Results presented for other diseases: present Results presented by alcohol consumption: present

MZILEN	Study description	Study title : Mzileni Full study title : South Africa Northern Province blacks CC study Study overlap/links: None Study sex : both Study race : blacks Continent : Africa Country in Africa : South Africa Principal publication year: 1997 Reference ID of principal publication: MZILEN1997 Number of lung cancer cases: 374 Number of controls/at risk: 401
	Study design	Study type : case/control Type of controls (for CC studies): diseased/hospital Control diseases/causes of death: Cancers not associated with tobacco Type of population : general population Histological confirmation of cases: Diagnosis (checking unknown)
	Results presented (current db)	Results presented for ever smokers: present Results presented by amount smoked: present
	Confounders considered	Total number of confounders considered: 3 Results presented adjusted for age: 1 Results presented adjusted for risky occupation: 1 Results presented adj by chemical expos (nonoccup): 1
NAM	Study description	Study title : Nam Full study title : US National Mortality Followback Study 1986 Study overlap/links: None Study sex : both Lowest age in study : 25 Highest age in study (at baseline): 99 Study race : all (in country) Continent : NAmerica Country in N America: USA US state : all Start year of study : 1986 End year of study : 1986 Principal publication year: 1994 Reference ID of principal publication: NAM1994 Number of lung cancer cases: 1199 Number of controls/at risk: 3690
	Study design	Study type : case/control Type of controls (for CC studies): decedents Control diseases/causes of death: Excl cancer, respiratory/circulatory dis Type of population : general population Any proxy use : present Proxy use in cases (%): 100 Proxy use in controls (%): 100 Histological confirmation of cases: Death certificate (unchecked) Comments : Extracted from a cross-sectional survey, random sample of 1% of all deaths, total sample size 18733
	Results presented (current db)	Results presented for ex-smokers: present Results presented for current smokers: present Results presented for ever smokers: present Results presented by amount smoked: present Definition of ex-smoker: all ex-smokers
	Other smoking/tob rel results	Results presented by years since stopped smoking: present

NAM

(continued)

Other non-smok-rel results	Results presented for other diseases: present
Confounders considered	Total number of confounders considered: 1 Results presented adjusted for age: 1
NOTAN2 Study description	<p>Study title : Notani 2</p> <p>Full study title : India Tata Memorial Hospital CC study 1963-71</p> <p>Study overlap/links: None</p> <p>Study sex : male</p> <p>Lowest age in study : 30</p> <p>Highest age in study (at baseline): 99</p> <p>Study race : all (in country)</p> <p>Continent : Asia</p> <p>Country in Asia : India</p> <p>Start year of study : 1963</p> <p>End year of study : 1971</p> <p>Principal publication year: 1977</p> <p>Reference ID of principal publication: NOTANI1977</p> <p>Number of lung cancer cases: 683</p> <p>Number of controls/at risk: 1279</p> <p>Comments : Overlapping results from NOTANI1974 have not been entered. That paper includes 520 cases up to 1970, both sexes (but numbers of females not stated) and 520 non cancer controls matched on sex age and community</p>
Study design	<p>Study type : case/control</p> <p>Type of controls (for CC studies): diseased/hospital</p> <p>Control diseases/causes of death: Not cancer or lung disease</p> <p>Type of population : general population</p> <p>Histological confirmation of cases: Partial</p>
Results presented (current db)	<p>Results presented for ever smokers: present</p> <p>Results presented by cigarette type: present</p> <p>Results presented for handrolled cig smokers: present</p> <p>Results presented by amount smoked: present</p> <p>Definition of handrolled cigarettes: Bidi</p> <p>Comments : Not stated whether ever or current smokers, ever assumed</p>
Other smoking/ tob rel results	Results presented by duration of smoking: present
Other non-smok-rel results	Results presented by religion: present
Confounders considered	Total number of confounders considered: 3 Results presented adjusted for age: 1 Results presented adjusted for aspects of smoking: 1 Results presented adjusted for religion: present

NOTANI Study description Study title : Notani 1
Full study title : India Tata Memorial Hospital CC study 1986-90
Study overlap/links: None
Study sex : male
Lowest age in study : 1
Highest age in study (at baseline): 99
Study race : all (in country)
Continent : Asia
Country in Asia : India
Start year of study : 1986
End year of study : 1990
Principal publication year: 1993
Reference ID of principal publication: NOTANI1993
Number of lung cancer cases: 246
Number of controls/at risk: 85

Study design Study type : case/control
Type of controls (for CC studies): healthy
Type of population : general population
Cases and controls different interview setting: present
Histological confirmation of cases: Partial
Comments : Study reports results using 212 hospital controls or 85 population controls.
Only the population controls are included in the database as the hospital controls were those
diagnosed with smoking related cancers and are therefore inappropriate

Results presented (current db) Results presented for current smokers: present
Comments : Not clearly stated whether ever or current smoking, assume current

Other smoking/tob rel results Results presented for chewing tobacco use: present

Other non-smok-rel results Results presented for other diseases: present

Confounders considered Total number of confounders considered: 1
Results presented adjusted for age: 1

NOU Study description Study title : Nou
Full study title : Sweden Uppsala CC study 1971-76
Study overlap/links: None
Study sex : both
Lowest age in study : 1
Highest age in study (at baseline): 99
Study race : all (in country)
Continent : WEurope/Scandinavia
Country in W Europe : Sweden
Start year of study : 1971
End year of study : 1976
Principal publication year: 1981
Reference ID of principal publication: NOU1981
Number of lung cancer cases: 273
Number of controls/at risk: 722

NOU

(continued)

Study design	Study type : case/control Type of controls (for CC studies): healthy Type of population : general population Any proxy use : present Marked diff in proxy use for cases v controls: present Cases and controls different interview setting: present Cases and controls different vital status: present Histological confirmation of cases: Partial Response rate for cases (%): 100 Comments : No age restriction on cases who were collected between 1971 and 1976. Control data collected between 1961 and 1962 with an age restriction of 30-64 years. All cases were histologically or cytologically confirmed
Results presented (current db)	Results presented by histological type: present Results presented for ever smokers: present
Other non-smok-rel results	Results presented by urban/rural: present
ODRISC Study description	Study title : O'Driscoll Full study title : UK Salford Bronchoscopy Database CC study Study overlap/links: None Study sex : both Lowest age in study : 1 Highest age in study (at baseline): 75 Study race : all (in country) Continent : WEurope/Scandinavia Country in W Europe : UK Principal publication year: 1997 Reference ID of principal publication: ODRISC1997 Number of lung cancer cases: 446 Number of controls/at risk: 1660 Comments : Also MUNAVV1995
Study design	Study type : case/control Type of controls (for CC studies): diseased/hospital Control diseases/causes of death: Non smoking related conditions Type of population : general population Histological confirmation of cases: Diagnosis (checking unknown) Cases and controls matched on sex: present
Results presented (current db)	Results presented for ex-smokers: present Results presented for current smokers: present Results presented for ever smokers: present Definition of ex-smoker: all ex-smokers
Other smoking/tob rel results	Results presented by years since stopped smoking: present

ORMOS	Study description	Study title : Ormos Full study title : Hungary Szeged CC study 1947-59 Study overlap/links: None Study sex : both Lowest age in study : 1 Highest age in study (at baseline): 99 Study race : all (in country) Continent : EEurope/Balkans Country in E Europe/Balkans: Hungary Start year of study : 1947 End year of study : 1959 Principal publication year: 1969 Reference ID of principal publication: ORMOS1969 Number of lung cancer cases: 119 Number of controls/at risk: 3089
	Study design	Study type : case/control Type of controls (for CC studies): healthy Type of population : general population Any proxy use : present Marked diff in proxy use for cases v controls: present Cases and controls different interview setting: present Cases and controls different vital status: present Cases have full (100%) histological confirmation: present Histological confirmation of cases: Full Extent of histological confirmation in cases (%): 100 Comments : Controls were railway passengers aged 20+ interviewed in 1966
	Results presented (current db)	Results presented by histological type: present Results presented for ever smokers: present Results presented by amount smoked: present Comments : Not clear whether refers to ever or current smoking
OSANN	Study description	Study title : Osann 1 Full study title : US Orange Co. Cancer Surveillance CC study 1984-86 Study overlap/links: None Study sex : both Lowest age in study : 1 Highest age in study (at baseline): 99 Study race : all (in country) Continent : NAmerica Country in N America: USA US state : Cal,Wash,Oreg Start year of study : 1984 End year of study : 1986 Principal publication year: 1993 Reference ID of principal publication: OSANN1993 Number of lung cancer cases: 1986 Number of controls/at risk: 3507
	Study design	Study type : case/control Type of controls (for CC studies): decedents Control diseases/causes of death: Cancers not associated with smoking Type of population : general population Histological confirmation of cases: Partial Response rate for cases (%): 79 Response rate for controls (%): 61 Cases and controls matched on sex: present Comments : Smoking histories taken from medical records. Controls aged 30+
	Results presented (current db)	Results presented by histological type: present Results presented for ex-smokers: present Results presented for current smokers: present Results presented for ever smokers: present Results presented by amount smoked: present Definition of ex-smoker: gave up >1 year

OSANN
(continued)

Confounders considered	Total number of confounders considered: 2 Results presented adjusted for age: 1 Results presented adjusted for race: 1
OSANN2 Study description	Study title : Osann 2 Full study title : US California Kaiser nested CC study 1969-77 Study overlap/links: KAISER/OSANN2 Study sex : female Lowest age in study : 1 Highest age in study (at baseline): 99 Highest age in study at final followup: 99 Study race : all (in country) Continent : NAmerica Country in N America: USA US state : Cal,Wash,Oreg Start year of study : 1964 End year of study : 1977 Final follow up year: 1977 Principal publication year: 1991 Reference ID of principal publication: OSANN1991 Number of lung cancer cases: 217 Number of controls/at risk: 213 Comments : Also OSANN1982. This study is women only enrolled 1964-77 and diagnosed 1969-77; overlaps with KAISER which has both sexes enrolled 1964-73 and diagnosed 1964-80
Study design	Study type : nested case/control Type of controls (for CC studies): healthy Type of population : persons attending screening Cases have full (100%) histological confirmation: present Histological confirmation of cases: Full Extent of histological confirmation in cases (%): 100 Cases and controls matched on age (CC): present Cases and controls matched on race (CC): present Cases and controls matched on other (not sex/a/r): present
Results presented (current db)	Results presented by histological type: present Results presented for ex-smokers: present Results presented for current smokers: present Results presented for ever smokers: present Results presented by amount smoked: present Definition of ex-smoker: gave up >2 years
Other smoking/tob rel results	Results presented by inhalation level: present Results presented by duration of smoking: present
Other non-smok-rel results	Results presented by family history of lung cancer: present Results presented by previous medical history: present Results presented by family med history (not LC): present
Confounders considered	Total number of confounders considered: 1 Results presented adjusted for age: 1

PARKIN Study description

Study title : Parkin
 Full study title : Zimbabwe-Rhodesia Bulawayo CC study 1963-77
 Study overlap/links: None
 Study sex : male
 Lowest age in study : 1
 Highest age in study (at baseline): 99
 Study race : blacks
 Continent : Africa
 Country in Africa : Zimbabwe - Rhodesia
 Start year of study : 1963
 End year of study : 1977
 Principal publication year: 1994
 Reference ID of principal publication: PARKIN1994B
 Number of lung cancer cases: 877
 Number of controls/at risk: 4434

Study design

Study type : case/control
 Type of controls (for CC studies): diseased/hospital
 Control diseases/causes of death: Cancers excluding major tobacco-related sites (oesophagus, bladder and larynx)
 Type of population : general population
 Any proxy use : present
 Histological confirmation of cases: Partial
 Response rate for cases (%): 65
 Response rate for controls (%): 55
 Comments : Histological diagnosis in great majority of cases. Females included in study but results not presented for lung cancer

Results presented (current db)

Results presented for ex-smokers: present
 Results presented for current smokers: present
 Results presented for ever smokers: present
 Results presented by amount smoked: present
 Definition of ex-smoker: unspecified

Other non-smok-rel results

Results presented for other diseases: present

Confounders considered

Total number of confounders considered: 6
 Results presented adjusted for age: 1
 Results presented adjusted for educational level: 1
 Results presented adjusted for risky occupation: 1
 Results presented adjusted for alcohol: 1
 Results presented adjusted for region: 1
 Results presented adjusted for time period: 1

PASTOR Study description

Study title : Pastorino
 Full study title : Italy Lombardy CC study 1976-79
 Study overlap/links: None
 Study sex : male
 Lowest age in study : 1
 Highest age in study (at baseline): 99
 Study race : all (in country)
 Continent : WEurope/Scandinavia
 Country in W Europe : Italy
 Start year of study : 1976
 End year of study : 1979
 Principal publication year: 1984
 Reference ID of principal publication: PASTOR1984
 Number of lung cancer cases: 204
 Number of controls/at risk: 351

PERNU Study description Study title : Pernu
 Full study title : Finland CC study 1944-58
 Study overlap/links: None
 Study sex : both
 Lowest age in study : 1
 Highest age in study (at baseline): 99
 Study race : all (in country)
 Continent : WEurope/Scandinavia
 Country in W Europe : Finland
 Start year of study : 1944
 End year of study : 1958
 Principal publication year: 1960
 Reference ID of principal publication: PERNU1960
 Number of lung cancer cases: 1606
 Number of controls/at risk: 1773

Study design Study type : case/control
 Type of controls (for CC studies): healthy
 Type of population : general population
 Cases and controls different interview setting: present
 Histological confirmation of cases: Partial
 Extent of histological confirmation in cases (%): 49
 Response rate for controls (%): 40
 Comments : Cases were those presumed still living (up to 15 years after hospital admission) and traced from addresses in medical records; mainly postal questionnaire, but some personal interviews. Controls recruited by parish deaconesses who were sent batches of questionnaires; selected to be 'aged'

Results presented (current db) Results presented for ever smokers: present
 Results presented by cigarette type: present
 Results presented for handrolled cig smokers: present
 Results presented for pipe smokers: present
 Results presented by amount smoked: present
 Definition of handrolled cigarettes: Pilli (with cardboard tube)
 Definition of type of pipe: Western pipe
 Comments : Non-smokers includes those who started smoking less than 10 years before interview

Other smoking/tob rel results Results presented by age of starting to smoke: present

PERSH2 Study description Study title : Pershagen 2
 Full study title : Sweden 109 municipality CC study 1980-84
 Study overlap/links: None
 Study sex : both
 Lowest age in study : 35
 Highest age in study (at baseline): 74
 Study race : all (in country)
 Continent : WEurope/Scandinavia
 Country in W Europe : Sweden
 Start year of study : 1980
 End year of study : 1984
 Principal publication year: 1994
 Reference ID of principal publication: PERSHA1994
 Number of lung cancer cases: 1022
 Number of controls/at risk: 2088

PERSH2
(continued)

Study design	Study type : case/control Type of controls (for CC studies): healthy + decedents Control diseases/causes of death: Non smoking related causes Type of population : gen pop long term resident Any proxy use : present Proxy use in cases (%): 92 Proxy use in controls (%): 54 Marked diff in proxy use for cases v controls: present Cases and controls different vital status: present Histological confirmation of cases: Partial Extent of histological confirmation in cases (%): 84 Response rate for cases (%): 82 Response rate for controls (%): 82 Cases and controls matched on sex: present Cases and controls matched on age (CC): present Cases and controls matched on other (not sex/a/r): present Comments : Response rates and proxy rates are based on all questionnaires returned, while number of cases and controls only include those with known smoking data. Half of controls matched on vital status and all frequency matched on age and matched on calendar year of residence with the case group.
Results presented (current db)	Results presented for ex-smokers: present Results presented for current smokers: present Results presented for ever smokers: present Results presented by amount smoked: present Definition of ex-smoker: gave up >2 years
Other non-smok-rel results	Results presented by risky exposure (nonoccup): present
Confounders considered	Total number of confounders considered: 4 Results presented adjusted for sex: present Results presented adjusted for age: 1 Results presented adjusted for occupation (gen): 1 Results presented adjusted for urban/rural: 1
PERSHA Study description	Study title : Pershagen 1 Full study title : Sweden North arsenic smelter CC study 1961-79 Study overlap/links: None Study sex : male Lowest age in study : 1 Highest age in study (at baseline): 99 Study race : all (in country) Continent : WEurope/Scandinavia Country in W Europe : Sweden Start year of study : 1961 End year of study : 1979 Principal publication year: 1985 Reference ID of principal publication: PERSHA1985 Number of lung cancer cases: 212 Number of controls/at risk: 424

PERSHA
(continued)

Study design	Study type : case/control Type of controls (for CC studies): decedents Control diseases/causes of death: No diagnosis of lung cancer Type of population : general population Any proxy use : present Proxy use in cases (%): 100 Proxy use in controls (%): 100 Histological confirmation of cases: Partial Extent of histological confirmation in cases (%): 78 Response rate for cases (%): 96 Response rate for controls (%): 91 Cases and controls matched on age (CC): present Comments : Response rate in original matched controls was 91%. Non responders were replaced by new controls
Results presented (current db)	Results presented for ever smokers: present
Other non-smok-rel results	Results presented for regions within study area: present Results presented by risky occupational exposure: present
Confounders considered	Total number of confounders considered: 1 Results presented adjusted for age: 1
PETO Study description	Study title : Peto Full study title : UK FEV cohort study 1954-81 Study overlap/links: None Study sex : male Lowest age in study : 25 Highest age in study (at baseline): 64 Highest age in study at final followup: 89 Study race : all (in country) Continent : WEurope/Scandinavia Country in W Europe : UK Start year of study : 1954 End year of study : 1961 Final follow up year: 1981 Principal publication year: 1983 Reference ID of principal publication: PETO1983 Number of lung cancer cases: 103 Number of controls/at risk: 2718
Study design	Study type : prospective Prospective study : present Type of population : gen pop plus specific industry Histological confirmation of cases: Death certificate (unchecked)
Results presented (current db)	Results presented for ex-smokers: present Results presented for current smokers: present Results presented for ever smokers: present Results presented by amount smoked: present Definition of ex-smoker: all ex-smokers
Other non-smok-rel results	Results presented for other diseases: present

PEZZO2 Study description Study title : Pezzotto 2
Full study title : Argentina Rosario CC study 1992-98
Study overlap/links: None
Study sex : male
Lowest age in study : 1
Highest age in study (at baseline): 99
Study race : all (in country)
Continent : SCAmerica
Country in S/C America: Argentina
Start year of study : 1992
End year of study : 1998
Principal publication year: 1999
Reference ID of principal publication: PEZZOT1999
Number of lung cancer cases: 367
Number of controls/at risk: 586

Study design Study type : case/control
Type of controls (for CC studies): diseased/hospital
Control diseases/causes of death: Non smoking related
Type of population : gen pop - <3 lifetime occups
Cases have full (100%) histological confirmation: present
Histological confirmation of cases: Full
Extent of histological confirmation in cases (%): 100
Response rate for cases (%): 100
Response rate for controls (%): 100
Cases and controls matched on age (CC): present

Results presented (current db) Results presented for ex-smokers: present
Results presented for current smokers: present
Results presented for ever smokers: present
Results presented by amount smoked: present
Definition of ex-smoker: gave up >1 year

Other smoking/tob rel results Results presented by duration of smoking: present
Results presented by years since stopped smoking: present

PEZZOT Study description Study title : Pezzotto 1
Full study title : Argentina Rosario CC study 1987-91
Study overlap/links: None
Study sex : male
Lowest age in study : 1
Highest age in study (at baseline): 99
Study race : all (in country)
Continent : SCAmerica
Country in S/C America: Argentina
Start year of study : 1987
End year of study : 1991
Principal publication year: 1993
Reference ID of principal publication: PEZZOT1993
Number of lung cancer cases: 215
Number of controls/at risk: 433

Study design Study type : case/control
Type of controls (for CC studies): diseased/hospital
Control diseases/causes of death: Non-smoking related diseases, mainly traumatic disease, acute surgical conditions and other illnesses, such as urological diseases
Type of population : general population
Cases have full (100%) histological confirmation: present
Histological confirmation of cases: Full
Extent of histological confirmation in cases (%): 100
Response rate for cases (%): 100
Response rate for controls (%): 100
Cases and controls matched on age (CC): present

PEZZOT

(continued)

Results presented (current db) Results presented by histological type: present
 Results presented for ex-smokers: present
 Results presented for current smokers: present
 Results presented for ever smokers: present
 Results presented by cigarette type: present
 Results presented by amount smoked: present
 Definition of ex-smoker: gave up >1 year
 Comments : There were no cigar/pipe smokers

Other smoking/tob rel results Results presented by tobacco type: black/blond etc: present
 Results presented by inhalation level: present
 Results presented by age of starting to smoke: present
 Results presented by duration of smoking: present
 Results presented by years since stopped smoking: present

Confounders considered Total number of confounders considered: 4
 Results presented adjusted for age: 1
 Results presented adjusted for aspects of smoking: 2
 Results presented adjusted for hospital in study: 1

PIKE

Study description Study title : Pike
 Full study title : US California LA County air poll. CC study 1972-75
 Study overlap/links: None
 Study sex : both
 Lowest age in study : 1
 Highest age in study (at baseline): 99
 Study race : whites excluding hispanics
 Continent : N America
 Country in N America: USA
 US state : Cal,Wash,Oreg
 Start year of study : 1972
 End year of study : 1975
 Principal publication year: 1979
 Reference ID of principal publication: PIKE1979A
 Number of lung cancer cases: 731
 Number of controls/at risk: 631

Study design Study type : case/control
 Type of controls (for CC studies): healthy
 Type of population : general population
 Any proxy use : present
 Proxy use in cases (%): 82
 Marked diff in proxy use for cases v controls: present
 Cases and controls different vital status: present
 Histological confirmation of cases: Diagnosis (not checked)
 Response rate for cases (%): 77
 Response rate for controls (%): 87
 Cases and controls matched on sex: present
 Cases and controls matched on age (CC): present
 Comments : Controls selected by household sampling. If no person was found at the first household others were sampled until a person was found. If the person found refused to participate they were replaced. Almost no proxies among controls.

Results presented (current db) Results presented for ever smokers: present
 Results presented by amount smoked: present

Other non-smok-rel results Results presented by occupation: present

PISANI Study description

Study title : Pisani
 Full study title : Italy Lombardy diet CC study 1980-81
 Study overlap/links: Subset of Lubin2
 Study sex : both
 Lowest age in study : 1
 Highest age in study (at baseline): 99
 Study race : all (in country)
 Continent : WEurope/Scandinavia
 Country in W Europe : Italy
 Start year of study : 1980
 End year of study : 1981
 Principal publication year: 1986
 Reference ID of principal publication: PISANI1986
 Number of lung cancer cases: 417
 Number of controls/at risk: 849
 Comments : Also HOLE1983. Results from this study also entered as combined results from seven centres (5 countries) in LUBIN2

Study design

Study type : case/control
 Type of controls (for CC studies): diseased/hospital
 Control diseases/causes of death: Causes unrelated to tobacco smoking
 Type of population : general population
 Histological confirmation of cases: Partial
 Cases and controls matched on sex: present
 Cases and controls matched on age (CC): present
 Comments : frequency matched on age

Results presented (current db)

Results presented for ex-smokers: present
 Results presented for current smokers: present
 Results presented for ever smokers: present
 Results presented by amount smoked: present
 Definition of ex-smoker: gave up >5 years
 Comments : Definition of ex-smoker not specified for this study but assumed the same as for the combined study LUBIN2 (from LUBIN1998)

Other smoking/tob rel results

Results presented by duration of smoking: present

Other non-smok-rel results

Results presented by dietary factors: present

Confounders considered

Total number of confounders considered: 10
 Results presented adjusted for sex: present
 Results presented adjusted for age: 1
 Results presented adjusted for dietary factors: 4
 Results presented adjusted for aspects of smoking: 1
 Results presented adjusted for region: 1
 Results presented adjusted for residence: 1
 Results presented adjusted for place of birth: 1

POFFIJ Study description

Study title : Poffijn
 Full study title : West Europe Ardennes-Eifel radon CC study 1990-95
 Study overlap/links: None
 Study sex : both
 Lowest age in study : 40
 Highest age in study (at baseline): 75
 Study race : all (in country)
 Continent : WEurope/Scandinavia
 Country in W Europe : Multi
 Start year of study : 1990
 End year of study : 1995
 Principal publication year: 1996
 Reference ID of principal publication: POFFIJ1996
 Number of lung cancer cases: 971
 Number of controls/at risk: 1370
 Comments : Also POFFIJ1992

Study design

Study type : case/control
 Type of controls (for CC studies): healthy + diseased
 Control diseases/causes of death: Not strongly related to tobacco
 Type of population : gen pop long term resident
 Cases and controls different interview setting: present
 Histological confirmation of cases: Partial
 Cases and controls matched on sex: present
 Cases and controls matched on age (CC): present
 Cases and controls matched on other (not sex/a/r): present
 Comments : Controls frequency matched on sex, age and region within the study. Most controls from hospitals but some community controls also included. Conducted in Belgium, France, Germany, Luxembourg

Results presented (current db)

Results presented for ever smokers: present

POLEDN Study description

Study title : Polednak
 Full study title : US Toxic waste dumpsite CC study 1978-81
 Study overlap/links: None
 Study sex : both
 Lowest age in study : 1
 Highest age in study (at baseline): 99
 Study race : all (in country)
 Continent : NAmerica
 Country in N America: USA
 US state : Vt,Me,NY,NH,Mass,RI,Conn
 Start year of study : 1978
 End year of study : 1981
 Principal publication year: 1989
 Reference ID of principal publication: POLEDN1989
 Number of lung cancer cases: 209
 Number of controls/at risk: 417

Study design

Study type : case/control
 Type of controls (for CC studies): decedents
 Control diseases/causes of death: Non respiratory cancer or disease
 Type of population : general population
 Any proxy use : present
 Proxy use in cases (%): 100
 Proxy use in controls (%): 100
 Histological confirmation of cases: Death certificate (unchecked)
 Response rate for cases (%): 63
 Response rate for controls (%): 50
 Cases and controls matched on sex: present
 Cases and controls matched on age (CC): present
 Cases and controls matched on race (CC): present
 Cases and controls matched on other (not sex/a/r): present
 Comments : Response rates for controls refers to original subjects, alternate controls were selected to replace non-respondants

POLEDN
(continued)

Results presented (current db) Results presented for ever smokers: present
Results presented by amount smoked: present

Other non-smok-rel results Results presented by risky exposure (nonoccup): present

Confounders considered Total number of confounders considered: 1
Results presented adjusted for age: 1

PRESCO Study description Study title : Prescott
Full study title : Denmark 3 Copenhagen cohort studies pooled 1964-93
Study overlap/links: PRESCO-combined
Study sex : both
Lowest age in study : 20
Highest age in study (at baseline): 99
Highest age in study at final followup: 99
Study race : all (in country)
Continent : WEurope/Scandinavia
Country in W Europe : Denmark
Start year of study : 1964
End year of study : 1992
Final follow up year: 1993
Principal publication year: 1998
Reference ID of principal publication: PRESCO1998D
Number of lung cancer cases: 867
Number of controls/at risk: 30874
Comments : Also PRESCO1998B. Only data by age and by amount smoked entered here, for other results see individual studies

Study design Study type : prospective
Prospective study : present
Type of population : general population
Histological confirmation of cases: Partial
Extent of histological confirmation in cases (%): 23
Response rate in prospective study at baseline (%): 77

Results presented (current db) Results presented for ex-smokers: present
Results presented for current smokers: present
Results presented for ever smokers: present
Results presented by amount smoked: present
Definition of ex-smoker: unspecified

Other smoking/tob rel results Results presented by inhalation level: present
Results presented by duration of smoking: present
Results presented by pack-years: present

Confounders considered Total number of confounders considered: 1
Results presented adjusted for age: 1

QIAO Study description Study title : Qiao 1
Full study title : China Yunnan tin miners CC study 1985
Study overlap/links: LUBIN/XIANGZ/QIAO
Study sex : male
Lowest age in study : 35
Highest age in study (at baseline): 80
Study race : all (in country)
Continent : Asia
Country in Asia : China
Start year of study : 1967
End year of study : 1984
Principal publication year: 1989
Reference ID of principal publication: QIAO1989
Number of lung cancer cases: 107
Number of controls/at risk: 107
Comments : Also LUBIN1990, TAYLOR1989A. Overlaps with XIANGZ which is a prospective study whose baseline was in the period covered by this CC study; also with LUBIN another CC study which also covers the final year of this study

Study design Study type : case/control
Type of controls (for CC studies): healthy
Type of population : employed-specific industry/ies
Any proxy use : present
Proxy use in cases (%): 10
Proxy use in controls (%): 6
Histological confirmation of cases: Partial
Extent of histological confirmation in cases (%): 53
Cases and controls matched on age (CC): present
Comments : Tin miners at Yunnan Tin Corporation

Results presented (current db) Results presented for ever smokers: present
Results presented for pipe smokers: present
Definition of type of pipe: water pipe

Other smoking/tob rel results Results presented by duration of smoking: present
Comments : Duration of pipe smoking

Other non-smok-rel results Results presented by risky occupational exposure: present
Comments : Risky occupation is arsenic exposure

Confounders considered Total number of confounders considered: 1
Results presented adjusted for age: 1

QIAO2 Study description Study title : Qiao 2
Full study title : China Yunnan tin miners cohort study 1992-95
Study overlap/links: None
Study sex : male
Lowest age in study : 40
Highest age in study (at baseline): 99
Highest age in study at final followup: 99
Study race : all (in country)
Continent : Asia
Country in Asia : China
Start year of study : 1992
End year of study : 1995
Final follow up year: 1995
Principal publication year: 1997
Reference ID of principal publication: QIAO1997A
Number of lung cancer cases: 241
Number of controls/at risk: 7867
Comments : 479 females excluded from analysis

QIA02
(continued)

Study design	Study type : prospective Prospective study : present Type of population : employed-specific industry/ies Histological confirmation of cases: Partial Response rate in prospective study at baseline (%): 100 Comments : Confirmation by histology OR cytology was 72% of cases. Tin miners at Yunnan Tin Corp
Results presented (current db)	Results presented for ex-smokers: present Results presented for current smokers: present Results presented for ever smokers: present Results presented for pipe smokers: present More detailed results available (re current db): present Definition of type of pipe: water pipe Definition of ex-smoker: unspecified Comments : Long stem pipe also available (cannot combine)
Other smoking/ tob rel results	Results presented by age of starting to smoke: present Results presented by duration of smoking: present Results presented by pack-years: present
Confounders considered	Total number of confounders considered: 1 Results presented adjusted for age: 1 No abnormalities were found in any of the other cards examined
RACHTA Study description	Study title : Rachtan Full study title : Poland Cracow CC study 1991-94 Study overlap/links: None Study sex : female Lowest age in study : 1 Highest age in study (at baseline): 99 Study race : all (in country) Continent : EEurope/Balkans Country in E Europe/Balkans: Poland Start year of study : 1991 End year of study : 1994 Principal publication year: 1997 Reference ID of principal publication: RACHTA1997 Number of lung cancer cases: 118 Number of controls/at risk: 141
Study design	Study type : case/control Type of controls (for CC studies): healthy Type of population : next-of-kin of other patient Cases have full (100%) histological confirmation: present Histological confirmation of cases: Full Extent of histological confirmation in cases (%): 100
Results presented (current db)	Results presented for ex-smokers: present Results presented for current smokers: present Results presented for ever smokers: present Results presented by amount smoked: present Definition of ex-smoker: unspecified
Other smoking/ tob rel results	Results presented by inhalation level: present Results presented by age of starting to smoke: present Results presented by duration of smoking: present Results presented by pack-years: present
Confounders considered	Total number of confounders considered: 4 Results presented adjusted for age: 1 Results presented adjusted for dietary factors: 2 Results presented adjusted for alcohol: 1

RADZIK Study description Study title : Radzikowska
 Full study title : Poland lung cancer relatives CC study 1986-87
 Study overlap/links: None
 Study sex : both
 Lowest age in study : 1
 Highest age in study (at baseline): 99
 Study race : all (in country)
 Continent : EEurope/Balkans
 Country in E Europe/Balkans: Poland
 Start year of study : 1986
 End year of study : 1987
 Principal publication year: 1994
 Reference ID of principal publication: RADZIK1994
 Number of lung cancer cases: 189
 Number of controls/at risk: 211

Study design Study type : case/control
 Type of controls (for CC studies): diseased/hospital
 Control diseases/causes of death: Orthopedic admissions
 Type of population : general population
 Cases and controls from different hospitals: present
 Histological confirmation of cases: Diagnosis (checking unknown)

Results presented (current db) Results presented for ever smokers: present

RANDIG Study description Study title : Randig
 Full study title : Germany Berlin CC study 1951-54
 Study overlap/links: None
 Study sex : both
 Lowest age in study : 1
 Highest age in study (at baseline): 99
 Study race : all (in country)
 Continent : WEurope/Scandinavia
 Country in W Europe : Germany
 Start year of study : 1951
 End year of study : 1954
 Principal publication year: 1955
 Reference ID of principal publication: RANDIG1955
 Number of lung cancer cases: 448
 Number of controls/at risk: 512

Study design Study type : case/control
 Type of controls (for CC studies): diseased/hospital
 Control diseases/causes of death: Excl cancer and excl chronic disease if caused reduction/
 cessation of smoking
 Type of population : general population
 Histological confirmation of cases: Partial
 Extent of histological confirmation in cases (%): 76
 Comments : Controls limited to age range 45-75

Results presented (current db) Results presented for ever smokers: present
 Results for pipe+cigar smokers, not separately: present
 Results presented by amount smoked: present
 Definition of type of pipe: Western pipe
 Comments : Data by product are presented for 'mainly cigarettes', and for 'mainly pipe'
 and 'mainly cigars' which have been combined here

Other smoking/
 tob rel
 results Results presented by inhalation level: present

REN Study description Study title : Ren
 Full study title : China CC study
 Study overlap/links: None
 Study sex : both
 Study race : all (in country)
 Continent : Asia
 Country in Asia : China
 Principal publication year: 1983
 Reference ID of principal publication: YU1996A
 Number of lung cancer cases: 244
 Number of controls/at risk: 188
 Comments : Also REN1983 (missing)

Study design Study type : case/control
 Type of controls (for CC studies): unstated
 Histological confirmation of cases: Diagnosis (checking unknown)
 Cases and controls matched on sex: present
 Cases and controls matched on age (CC): present
 Cases and controls matched on other (not sex/a/r): present

Results presented (current db) Results presented for ever smokers: present
 No abnormalities were found in any of the other cards examined

RESTRE Study description Study title : Restrepo
 Full study title : Colombia CC study 1978-80
 Study overlap/links: None
 Study sex : both
 Lowest age in study : 1
 Highest age in study (at baseline): 99
 Study race : all (in country)
 Continent : SCAmerica
 Country in S/C America: Colombia
 Start year of study : 1978
 End year of study : 1980
 Principal publication year: 1989
 Reference ID of principal publication: RESTRE1989
 Number of lung cancer cases: 102
 Number of controls/at risk: 181

Study design Study type : case/control
 Type of controls (for CC studies): healthy + diseased
 Control diseases/causes of death: Conditions unrelated to smoking
 Type of population : general population
 Histological confirmation of cases: Diagnosis (checking unknown)
 Cases and controls matched on sex: present
 Cases and controls matched on age (CC): present
 Cases and controls matched on socioeconomic status: present
 Cases and controls matched on other (not sex/a/r): present

Results presented (current db) Results presented for ex-smokers: present
 Results presented for current smokers: present
 Results presented for ever smokers: present
 Results presented by amount smoked: present
 Definition of ex-smoker: unspecified

Other smoking/tob rel results Results presented by inhalation level: present
 Results presented by duration of smoking: present
 Results presented by fraction length smoked: present

Other non-smok-rel results Results presented for other diseases: present

RESTRE

(continued)

Confounders considered	Total number of confounders considered: 5 Results presented adjusted for sex: present Results presented adjusted for age: 1 Results presented adj for socioeconomic status: 1 Results presented adjusted for alcohol: 1 Results presented adj for non-alcoholic drinks: 1
RIMING Study description	Study title : Rimington Full study title : UK Mass radiography cohort study 1970-76 Study overlap/links: None Study sex : male Lowest age in study : 40 Highest age in study (at baseline): 99 Highest age in study at final followup: 99 Study race : all (in country) Continent : WEurope/Scandinavia Country in W Europe : UK Start year of study : 1970 End year of study : 1971 Final follow up year: 1976 Principal publication year: 1981 Reference ID of principal publication: RIMING1981 Number of lung cancer cases: 104 Number of controls/at risk: 5438
Study design	Study type : prospective Prospective study : present Type of population : volunteers mass radiography Histological confirmation of cases: Partial Extent of histological confirmation in cases (%): 33 Response rate in prospective study at baseline (%): 98
Results presented (current db)	Results presented for current smokers: present Results presented by cigarette type: present Results presented by amount smoked: present
Confounders considered	Total number of confounders considered: 1 Results presented adjusted for age: 1
RONCO Study description	Study title : Ronco Full study title : Italy Turin CC study 1976-80 Study overlap/links: None Study sex : male Lowest age in study : 1 Highest age in study (at baseline): 99 Study race : all (in country) Continent : WEurope/Scandinavia Country in W Europe : Italy Start year of study : 1976 End year of study : 1980 Principal publication year: 1988 Reference ID of principal publication: RONCO1988 Number of lung cancer cases: 126 Number of controls/at risk: 384

RONCO
(continued)

Study design Study type : case/control
 Type of controls (for CC studies): decedents
 Control diseases/causes of death: All except chronic lung + smok rel canc
 Type of population : general population
 Any proxy use : present
 Proxy use in cases (%): 100
 Proxy use in controls (%): 100
 Histological confirmation of cases: Death certificate (unchecked)
 Response rate for cases (%): 77
 Response rate for controls (%): 78
 Cases and controls matched on age (CC): present
 Cases and controls matched on other (not sex/a/r): present

Results presented (current db) Results presented for ever smokers: present

Other smoking/tob rel results Results presented by pack-years: present

Other non-smok-rel results Results presented for regions within study area: present

Confounders considered Total number of confounders considered: 2
 Results presented adjusted for age: 1
 Results presented adjusted for risky occupation: 1

ROOTS Study description Study title : Roots
 Full study title : Germany Berlin debrisouquine CC study
 Study overlap/links: Roots/Cascor 1
 Study sex : both
 Lowest age in study : 1
 Highest age in study (at baseline): 80
 Study race : whites (inc hispanic)
 Continent : WEurope/Scandinavia
 Country in W Europe : Germany
 Principal publication year: 1988
 Reference ID of principal publication: ROOTS1988
 Number of lung cancer cases: 270
 Number of controls/at risk: 270
 Comments : 220 of the cases also included in CASCOR

Study design Study type : case/control
 Type of controls (for CC studies): diseased/hospital
 Control diseases/causes of death: No known malignancy
 Type of population : general population
 Cases have full (100%) histological confirmation: present
 Histological confirmation of cases: Full
 Extent of histological confirmation in cases (%): 100

Results presented (current db) Results presented for ever smokers: present
 Comments : Results by histology available but not entered as denominator is 0-10 pack years

Other smoking/tob rel results Results presented by pack-years: present

ROTHSC	Study description	Study title : Rothschild Full study title : US Southern Louisiana CC study 1971-77 Study overlap/links: None Study sex : both Lowest age in study : 1 Highest age in study (at baseline): 99 Study race : all (in country) Continent : NAmerica Country in N America: USA US state : Ark, Miss, La, Al Start year of study : 1971 End year of study : 1977 Principal publication year: 1982 Reference ID of principal publication: ROTHSC1982A Number of lung cancer cases: 284 Number of controls/at risk: 284
	Study design	Study type : case/control Type of controls (for CC studies): decedents Control diseases/causes of death: Causes other than lung cancer Type of population : general population Any proxy use : present Proxy use in cases (%): 100 Proxy use in controls (%): 100 Histological confirmation of cases: Death cert (partial check) Extent of histological confirmation in cases (%): 72 Response rate for cases (%): 71 Cases and controls matched on sex: present Cases and controls matched on age (CC): present Cases and controls matched on race (CC): present Cases and controls matched on other (not sex/a/r): present
	Results presented (current db)	Results presented for ever smokers: present
	Other non-smok-rel results	Results presented by risky occupational exposure: present
	Confounders considered	Total number of confounders considered: 1 Results presented adjusted for risky occupation: 1
SAARIK	Study description	Study title : Saarikoski Full study title : Finland genetics CC study 1988-96 Study overlap/links: None Study sex : both Lowest age in study : 1 Highest age in study (at baseline): 99 Study race : whites (inc hispanic) Continent : WEurope/Scandinavia Country in W Europe : Finland Start year of study : 1988 End year of study : 1996 Principal publication year: 1998 Reference ID of principal publication: SAARIK1998 Number of lung cancer cases: 205 Number of controls/at risk: 290
	Study design	Study type : case/control Type of controls (for CC studies): healthy Type of population : general population Cases and controls different interview setting: present Cases have full (100%) histological confirmation: present Histological confirmation of cases: Full Extent of histological confirmation in cases (%): 100 Comments : Cases no age restriction and both sexes, controls are males of working age

SAARIK
(continued)

Results presented (current db)	Results presented by histological type: present Results presented for current smokers: present
SADOWS Study description	Study title : Sadowsky Full study title : US National Cancer Institute CC study 1938-43 Study overlap/links: None Study sex : male Lowest age in study : 1 Highest age in study (at baseline): 99 Study race : whites (inc hispanic) Continent : NAmerica Country in N America: USA US state : multi (not all) Start year of study : 1938 End year of study : 1943 Principal publication year: 1953 Reference ID of principal publication: SADOWS1953 Number of lung cancer cases: 477 Number of controls/at risk: 615
Study design	Study type : case/control Type of controls (for CC studies): diseased/hospital Control diseases/causes of death: Other than cancer Type of population : general population Histological confirmation of cases: Diagnosis (checking unknown)
Results presented (current db)	Results presented for ever smokers: present Results presented for pipe smokers: present Results presented for cigar smokers: present Results presented by amount smoked: present Definition of type of pipe: Western pipe
Other smoking/ tob rel results	Results presented by duration of smoking: present
Other non-smok-rel results	Results presented for other diseases: present
Confounders considered	Total number of confounders considered: 1 Results presented adjusted for age: 1
SANKAR Study description	Study title : Sankaranarayana Full study title : India Trivandrum diet CC study 1990 Study overlap/links: None Study sex : male Lowest age in study : 1 Highest age in study (at baseline): 99 Study race : all (in country) Continent : Asia Country in Asia : India Start year of study : 1990 End year of study : 1990 Principal publication year: 1994 Reference ID of principal publication: SANKAR1994A Number of lung cancer cases: 281 Number of controls/at risk: 1207

SANKAR
(continued)

Study design Study type : case/control
 Type of controls (for CC studies): healthy
 Type of population : general population
 Histological confirmation of cases: Diagnosis (not checked)
 Response rate for cases (%): 81
 Response rate for controls (%): 94

Results presented (current db) Results presented for ever smokers: present

Other smoking/tob rel results Results presented by pack-years: present

Confounders considered Total number of confounders considered: 3
 Results presented adjusted for age: 1
 Results presented adjusted for educational level: 1
 Results presented adjusted for religion: present

SCHWA2 Study description Study title : Schwartz 2
 Full study title : France Paris and other cities CC study 1954-60
 Study overlap/links: None
 Study sex : male
 Lowest age in study : 1
 Highest age in study (at baseline): 99
 Study race : all (in country)
 Continent : WEurope/Scandinavia
 Country in W Europe : France
 Start year of study : 1954
 End year of study : 1960
 Principal publication year: 1961
 Reference ID of principal publication: SCHWAR1961
 Number of lung cancer cases: 1159
 Number of controls/at risk: 1159
 Comments : Also SCHWAR1957

Study design Study type : case/control
 Type of controls (for CC studies): diseased/hospital
 Control diseases/causes of death: Work or traffic accident
 Type of population : general population
 Histological confirmation of cases: Diagnosis (checking unknown)
 Cases and controls matched on age (CC): present
 Cases and controls matched on other (not sex/a/r): present

Results presented (current db) Results presented for ever smokers: present
 Results presented for pipe smokers: present
 Results presented by amount smoked: present
 Definition of type of pipe: Western pipe
 Comments : Definition of a smoker (set here to be current) is smoked an average of at least 1 cigarette (or 1 g tobacco) per day in last 10 years. SCHWAR1957 additionally presents a few results for ever smokers (defined as smoked at that level for at least 5 years) and for ex-smokers of cigarettes (defined as those who have stopped provisionally or definitely), but these results have not been entered as they relate only to the first 2 years of the study (430 cases)

Other smoking/tob rel results Results presented by inhalation level: present

Other non-smok-rel results Results presented by current medical conds/obs: present

SCHWAR	Study description	Study title : Schwartz 1 Full study title : US Michigan CC study 1984-87 Study overlap/links: None Study sex : both Lowest age in study : 40 Highest age in study (at baseline): 84 Study race : whites and blacks Continent : NAmerica Country in N America: USA US state : Mich,Ind,Oh,Tenn Start year of study : 1984 End year of study : 1987 Principal publication year: 1997 Reference ID of principal publication: SCHWAR1997 Number of lung cancer cases: 5588 Number of controls/at risk: 3692 Comments : Also SWANSO1993A. This uses the same cases but a smaller, different, control group
	Study design	Study type : case/control Type of controls (for CC studies): healthy Type of population : general population Any proxy use : present Proxy use in cases (%): 58 Proxy use in controls (%): 8 Marked diff in proxy use for cases v controls: present Cases and controls different vital status: present Cases have full (100%) histological confirmation: present Histological confirmation of cases: Full Extent of histological confirmation in cases (%): 100 Response rate for cases (%): 94 Response rate for controls (%): 93 Cases and controls matched on sex: present
	Results presented (current db)	Results presented by histological type: present Results presented for ex-smokers: present Results presented for current smokers: present Results presented for ever smokers: present Definition of ex-smoker: gave up >2 years
SEGI	Study description	Study title : Segi 1 Full study title : Japan nationwide CC study 1948-52 Study overlap/links: None Study sex : male Lowest age in study : 30 Highest age in study (at baseline): 99 Study race : all (in country) Continent : Asia Country in Asia : Japan Start year of study : 1948 End year of study : 1952 Principal publication year: 1957 Reference ID of principal publication: SEGI1957 Number of lung cancer cases: 159 Number of controls/at risk: 3892

SEGI
(continued)

Study design	<p>Study type : case/control Type of controls (for CC studies): diseased/hospital Control diseases/causes of death: Not cancer Type of population : general population Cases and controls from different hospitals: present Histological confirmation of cases: Partial Cases and controls matched on age (CC): present Comments : Study included both sexes and all ages, but lung cancer results only reported for males aged 30+. Information for cases from hospital records. Controls selected from local health centres from 1953. Selection criteria were decided locally, not stated whether controls were healthy or diseased (apart from being cancer-free). Controls were frequency matched on age and sex to cancer cases of all sites</p>
Results presented (current db)	<p>Results presented for ever smokers: present Comments : Some results by type of product (including Kizami, fine cut tobacco smoked in a traditional bamboo and metal pipe) are available but not in a suitable form for inclusion in the database</p>
Other non-smok-rel results	<p>Results presented for other diseases: present Results presented by urban/rural: present</p>
SEGI2 Study description	<p>Study title : Segi 2 Full study title : Japan Tokyo and Sendai CC study 1962-70 Study overlap/links: None Study sex : both Lowest age in study : 1 Highest age in study (at baseline): 99 Study race : all (in country) Continent : Asia Country in Asia : Japan Start year of study : 1962 End year of study : 1970 Principal publication year: 1979 Reference ID of principal publication: SEGI1979 Number of lung cancer cases: 378 Number of controls/at risk: 756</p>
Study design	<p>Study type : case/control Type of controls (for CC studies): diseased/hospital Control diseases/causes of death: Diseases other than lung cancer Type of population : general population Histological confirmation of cases: Partial Cases and controls matched on sex: present Cases and controls matched on age (CC): present</p>
Results presented (current db)	<p>Results presented by histological type: present Results presented for current smokers: present Results presented by cigarette type: present Results presented for pipe smokers: present Results presented by amount smoked: present Definition of type of pipe: Kizami</p>
Other smoking/tob rel results	<p>Results presented by inhalation level: present Results presented by age of starting to smoke: present</p>
Other non-smok-rel results	<p>Results presented for regions within study area: present</p>
Confounders considered	<p>Total number of confounders considered: 1 Results presented adjusted for age: 1</p>

SEOW	Study description	Study title : Seow Full study title : Singapore NAT2 CC study 1997-98 Study overlap/links: None Study sex : female Lowest age in study : 1 Highest age in study (at baseline): 99 Study race : chinese Continent : Asia Country in Asia : Singapore Start year of study : 1997 End year of study : 1998 Principal publication year: 1999 Reference ID of principal publication: SEOW1999 Number of lung cancer cases: 153 Number of controls/at risk: 141
	Study design	Study type : case/control Type of controls (for CC studies): diseased/hospital Control diseases/causes of death: No chronic resp condition/history cancer Type of population : gen pop long term resident Cases have full (100%) histological confirmation: present Histological confirmation of cases: Full Extent of histological confirmation in cases (%): 100 Cases and controls matched on age (CC): present Cases and controls matched on other (not sex/a/r): present Comments : Controls frequency matched to cases on age
	Results presented (current db)	Results presented by histological type: present Results presented for ever smokers: present
	Other non-smok-rel results	Results presented by genetic factors: present
	Confounders considered	Total number of confounders considered: 1 Results presented adjusted for genetic factor: present
SHAW	Study description	Study title : SHAW Full study title : US&Canada Bethesda/Quebec debrisoquine CC 1988-92 Study overlap/links: None Study sex : both Lowest age in study : 1 Highest age in study (at baseline): 99 Study race : whites (inc hispanic) Continent : NAmerica Country in N America: USA and Canada US state : Pa,NJ,Md,WVa,Va,Del,WashDC Start year of study : 1988 End year of study : 1992 Principal publication year: 1995 Reference ID of principal publication: SHAW1995 Number of lung cancer cases: 335 Number of controls/at risk: 373

SHAW

(continued)

Study design Study type : case/control
 Type of controls (for CC studies): diseased/hospital
 Control diseases/causes of death: Excluding previous cancer
 Type of population : general population
 Cases have full (100%) histological confirmation: present
 Histological confirmation of cases: Full
 Extent of histological confirmation in cases (%): 100
 Response rate for cases (%): 81
 Response rate for controls (%): 79
 Cases and controls matched on sex: present
 Cases and controls matched on age (CC): present
 Cases and controls matched on other (not sex/a/r): present
 Comments : Frequency matched on age and sex (also race, but only whites included in analysis). Controls were urology/orthopedic outpatients at Bethesda, and inpatients at Quebec (including 40% with COPD)

Results presented (current db) Results presented for ex-smokers: present
 Results presented for current smokers: present
 Results presented for ever smokers: present
 Results presented by amount smoked: present
 Definition of ex-smoker: gave up >1 year

Other smoking/tob rel results Results presented by pack-years: present
 Mention of ETS (including in never smokers): present

Other non-smok-rel results Results presented for regions within study area: present
 Results presented by genetic factors: present

SHEN

Study description Study title : Shen
 Full study title : China Nanjing CC study 1986-93
 Study overlap/links: None
 Study sex : both
 Lowest age in study : 20
 Highest age in study (at baseline): 99
 Study race : all (in country)
 Continent : Asia
 Country in Asia : China
 Start year of study : 1986
 End year of study : 1993
 Principal publication year: 1996
 Reference ID of principal publication: SHEN1996
 Number of lung cancer cases: 263
 Number of controls/at risk: 263
 Comments : Also SHEN1994A, SHEN1996A

Study design Study type : case/control
 Type of controls (for CC studies): healthy
 Type of population : gen pop long term resident
 Cases have full (100%) histological confirmation: present
 Histological confirmation of cases: Full
 Extent of histological confirmation in cases (%): 100
 Cases and controls matched on sex: present
 Cases and controls matched on age (CC): present
 Cases and controls matched on race (CC): present
 Cases and controls matched on other (not sex/a/r): present

Results presented (current db) Comments : No results in current database, only pack years, cannot convert to useable form, by histology.

SHEN

(continued)

Other smoking/
tob rel
results

Results presented by pack-years: present
Mention of ETS (including in never smokers): present

No abnormalities were found in any of the other cards examined

SHIMIZ Study description

Study title : Shimizu
Full study title : Japan Sendai Kosei Hospital CC study 1977-82
Study overlap/links: None
Study sex : both
Lowest age in study : 40
Highest age in study (at baseline): 99
Study race : all (in country)
Continent : Asia
Country in Asia : Japan
Start year of study : 1977
End year of study : 1982
Principal publication year: 1986
Reference ID of principal publication: SHIMIZ1986
Number of lung cancer cases: 751
Number of controls/at risk: 1473

Study design

Study type : case/control
Type of controls (for CC studies): healthy
Type of population : general population
Any proxy use : present
Proxy use in cases (%): 15
Cases and controls different interview setting: present
Cases and controls different vital status: present
Histological confirmation of cases: Partial
Extent of histological confirmation in cases (%): 46
Response rate for cases (%): 91
Response rate for controls (%): 81

Results presented (current db)

Results presented by histological type: present
Results presented for current smokers: present

Confounders considered

Total number of confounders considered: 2
Results presented adjusted for age: 1
Results presented adjusted for residence: 1

SIEMIA Study description

Study title : Siemiatycki
Full study title : Canada Montreal occupational CC study 1979-85
Study overlap/links: None
Study sex : male
Lowest age in study : 35
Highest age in study (at baseline): 70
Study race : all (in country)
Continent : NAmerica
Country in N America: Canada
Start year of study : 1979
End year of study : 1985
Principal publication year: 1995
Reference ID of principal publication: SIEMIA1995
Number of lung cancer cases: 857
Number of controls/at risk: 2238
Comments : Also SIEMIA1982, SIEMIA1990, SIEMIA1994 and PARENT1996

SIEMIA
(continued)

Study design	Study type : case/control Type of controls (for CC studies): healthy + diseased Control diseases/causes of death: Non smoking related cancer sites Type of population : general population Any proxy use : present Marked diff in proxy use for cases v controls: present Cases and controls different interview setting: present Cases have full (100%) histological confirmation: present Histological confirmation of cases: Full Extent of histological confirmation in cases (%): 100 Cases and controls matched on age (CC): present Comments : Proxy use not known for the lung cancer cases only. 18% of cancer subjects (both lung cancer and cancer controls combined) were proxy interviews but no proxy interviews were carried out with the population controls. Response rate also not known for lung cancer cases only. 82% response rate for all cancer subjects combined. 72% response rate for population controls only. Population controls age matched to all cancer cases (lung cancer case and control series)
Results presented (current db)	Results presented by histological type: present Results presented for ever smokers: present Results presented by amount smoked: present
Other smoking/tob rel results	Results presented by pack-years: present
Other non-smok-rel results	Results presented by risky occupational exposure: present
Confounders considered	Total number of confounders considered: 7 Results presented adjusted for age: 1 Results presented adjusted for race: 1 Results presented adj for socioeconomic status: 2 Results presented adjusted for dietary factors: 1 Results presented adjusted for alcohol: 1 Results presented adj for non-alcoholic drinks: 1
SIMARA Study description	Study title : Simarak Full study title : Thailand Chiang Mai CC study 1971-72 Study overlap/links: None Study sex : both Lowest age in study : 1 Highest age in study (at baseline): 99 Study race : all (in country) Continent : Asia Country in Asia : Thailand Start year of study : 1971 End year of study : 1972 Principal publication year: 1977 Reference ID of principal publication: SIMARA1977 Number of lung cancer cases: 115 Number of controls/at risk: 1113
Study design	Study type : case/control Type of controls (for CC studies): diseased/hospital Control diseases/causes of death: Patients from radiological department Type of population : general population Histological confirmation of cases: Partial Extent of histological confirmation in cases (%): 50 Comments : Stated that about half the cases were histologically confirmed. Frequency matched on age to cancers of 4 sites

SIMARA
(continued)

Results presented (current db) Results presented for ever smokers: present
 Comments : Some results are presented for pipe and local cigar smoking, but only against never pipe or never cigar denominator

Other non-smok-rel results Results presented for other diseases: present

Confounders considered Total number of confounders considered: 6
 Results presented adjusted for age: 1
 Results presented adjusted for educational level: 1
 Results presented adjusted for dietary factors: 1
 Results presented adjusted for aspects of smoking: 1
 Results presented adjusted for urban/rural: 1
 Results presented adjusted for region: 1
 Comments : Smoking refers to khii yoo (local cigar), diet refers to miang (fermented tea leaves) chewing

SITAS Study description Study title : Sitas
 Full study title : South Africa Johannesburg blacks CC study -1997
 Study overlap/links: None
 Study sex : both
 Lowest age in study : 1
 Highest age in study (at baseline): 99
 Study race : blacks
 Continent : Africa
 Country in Africa : South Africa
 End year of study : 1997
 Principal publication year: 1997
 Reference ID of principal publication: SITAS1997
 Comments : Also SITAS2000

Study design Study type : case/control
 Type of controls (for CC studies): diseased/hospital
 Control diseases/causes of death: Cancers not associated with tobacco
 Type of population : general population
 Histological confirmation of cases: Diagnosis (not checked)
 Comments : Total numbers (cases + controls) males:898, females:1328

Results presented (current db) Results presented for current smokers: present

Confounders considered Total number of confounders considered: 1
 Results presented adjusted for age: 1

SOBUE	Study description	Study title : Sobue 1 Full study title : Japan Osaka CC study 1986-88 Study overlap/links: None Study sex : both Lowest age in study : 1 Highest age in study (at baseline): 99 Study race : all (in country) Continent : Asia Country in Asia : Japan Start year of study : 1986 End year of study : 1988 Principal publication year: 1994 Reference ID of principal publication: SOBUE1994 Number of lung cancer cases: 1376 Number of controls/at risk: 2230 Comments : Also SOBUE1991 and SOBUE1993
	Study design	Study type : case/control Type of controls (for CC studies): diseased/hospital Control diseases/causes of death: No strong/moderately smoking related dis Type of population : general population Cases have full (100%) histological confirmation: present Histological confirmation of cases: Full Extent of histological confirmation in cases (%): 100 Response rate for cases (%): 97 Response rate for controls (%): 95 Cases and controls matched on sex: present
	Results presented (current db)	Results presented by histological type: present Results presented for ex-smokers: present Results presented for current smokers: present Results presented for ever smokers: present Results presented by cigarette type: present Results presented by amount smoked: present Definition of ex-smoker: gave up >1 year Comments : Results appear suspicious because adjusted CIs presented in Table II of SOBUE1994 are much narrower than those unadjusted calculated from equivalent numbers in Table I. We have nevertheless derived adjusted RR/CIs for product combination (nrr=97-116)
	Other smoking/tob rel results	Results presented by inhalation level: present Results presented by age of starting to smoke: present Results presented by duration of smoking: present Results presented by pack-years: present Results presented by years since stopped smoking: present Results presented by fraction length smoked: present
	Other non-smok-rel results	Results presented by year of birth: present
	Confounders considered	Total number of confounders considered: 6 Results presented adjusted for age: 1 Results presented adjusted for aspects of smoking: 5

SOBUE2 Study description Study title : Sobue 2
Full study title : Japan Osaka CC study 1965-83
Study overlap/links: SOBUE2/MATSUD
Study sex : both
Lowest age in study : 1
Highest age in study (at baseline): 99
Study race : all (in country)
Continent : Asia
Country in Asia : Japan
Start year of study : 1965
End year of study : 1983
Principal publication year: 1988
Reference ID of principal publication: SOBUE1988
Number of lung cancer cases: 2083
Comments : Possible overlap of cases with MATSUD which is conducted at the same hospital in 1965

Study design Study type : case/control
Type of controls (for CC studies): healthy
Type of population : general population
Cases and controls different interview setting: present
Histological confirmation of cases: Partial
Extent of histological confirmation in cases (%): 48
Response rate for cases (%): 75
Comments : Smoking data for cases taken from hospital records. Published surveys of smoking habits used as control material

Results presented (current db) Results presented by histological type: present
Results presented for current smokers: present

Other non-smok-rel results Results presented by site of lung cancer: present

Confounders considered Total number of confounders considered: 2
Results presented adjusted for age: 1
Results presented adj for year hospital admission: 1
Comments : Results adjusted for age and year of diagnosis

SPEIZE Study description Study title : Speizer
Full study title : US Nurses' Health cohort study 1976-92
Study overlap/links: None
Study sex : female
Lowest age in study : 30
Highest age in study (at baseline): 55
Highest age in study at final followup: 71
Study race : all (in country)
Continent : NAmerica
Country in N America: USA
US state : all
Start year of study : 1976
End year of study : 1976
Final follow up year: 1992
Principal publication year: 1999
Reference ID of principal publication: SPEIZE1999
Number of lung cancer cases: 593
Number of controls/at risk: 118351
Comments : Also COLDIT1995A

Study design Study type : prospective
Prospective study : present
Type of population : employed-specific industry/ies
Cases have full (100%) histological confirmation: present
Histological confirmation of cases: Full
Extent of histological confirmation in cases (%): 100
Response rate in prospective study at baseline (%): 70

SPEIZE

(continued)

Results presented (current db)	Results presented for ex-smokers: present Results presented for current smokers: present Results presented for ever smokers: present Results presented by amount smoked: present Definition of ex-smoker: all ex-smokers
Other smoking/tob rel results	Results presented by tar level: present Results presented by age of starting to smoke: present Results presented by years since stopped smoking: present Mention of ETS (including in never smokers): present
Confounders considered	Total number of confounders considered: 1 Results presented adjusted for age: 1
SPITZ Study description	Study title : Spitz Full study title : US Texas University Genetics Study Study overlap/links: None Study sex : both Lowest age in study : 1 Highest age in study (at baseline): 99 Study race : blacks and hispanics Continent : NAmerica Country in N America: USA US state : Tex Principal publication year: 1997 Reference ID of principal publication: WIENCK1997 Number of lung cancer cases: 177 Number of controls/at risk: 297 Comments : Also SPITZ1996, WU1995A, ISHIBE1997A, WU1997B, WU1998, PILLOW1997, WU1995C, KELSEY1997, WU1998D AND JIN1995. Apart from WU1995A which has 6 more hispanic and 3 less black cases but no race-specific results, these papers report various smaller subsets of data, without adequate explanation of inclusion criteria. Results for smoking vary considerably
Study design	Study type : case/control Type of controls (for CC studies): healthy Type of population : general population Cases and controls different interview setting: present Cases have full (100%) histological confirmation: present Histological confirmation of cases: Full Extent of histological confirmation in cases (%): 100 Cases and controls matched on sex: present Cases and controls matched on age (CC): present Cases and controls matched on race (CC): present Comments : Subset of a matched study, but matching not fully maintained. Results taken from SPITZ1996 are based on another smaller subset
Results presented (current db)	Results presented for ex-smokers: present Results presented for current smokers: present Results presented for ever smokers: present Results presented by amount smoked: present Definition of ex-smoker: gave up >1 year
Other smoking/tob rel results	Results presented by pack-years: present Results presented by years since stopped smoking: present
Other non-smok-rel results	Results presented by risky occupational exposure: present Results presented by genetic factors: present

STASZE Study description Study title : Staszewski
Full study title : Poland Gliwice CC study 1954-58
Study overlap/links: None
Study sex : both
Lowest age in study : 1
Highest age in study (at baseline): 99
Study race : all (in country)
Continent : EEurope/Balkans
Country in E Europe/Balkans: Poland
Start year of study : 1954
End year of study : 1958
Principal publication year: 1960
Reference ID of principal publication: STASZE1960
Number of lung cancer cases: 281
Number of controls/at risk: 2725

Study design Study type : case/control
Type of controls (for CC studies): diseased/hospital
Control diseases/causes of death: Non smoking related cancer
Type of population : general population
Cases have full (100%) histological confirmation: present
Histological confirmation of cases: Full
Extent of histological confirmation in cases (%): 100
Response rate for cases (%): 94
Comments : Controls were age 20+ and were interviewed in 1957

Results presented (current db) Results presented by histological type: present
Results presented for ever smokers: present
Results for pipe+cigar smokers, not separately: present
Definition of type of pipe: Western pipe
Comments : There were no female smokers of pipe/cigar

Other smoking/tob rel results Results presented by inhalation level: present
Results presented by duration of smoking: present
Results presented by pack-years: present

Other non-smok-rel results Results presented for other diseases: present

STAYNE Study description Study title : Stayner
Full study title : US Third National Cancer Survey CC Study 1969-71
Study overlap/links: None
Study sex : male
Lowest age in study : 30
Highest age in study (at baseline): 84
Study race : all (in country)
Continent : NAmerica
Country in N America: USA
US state : multi (not all)
Start year of study : 1969
End year of study : 1971
Principal publication year: 1983
Reference ID of principal publication: STAYNE1983
Number of lung cancer cases: 420
Number of controls/at risk: 900
Comments : Also WILLIA1977

Study design Study type : case/control
Type of controls (for CC studies): diseased/hospital
Control diseases/causes of death: Non smoking/occupational related cancer
Type of population : general population
Histological confirmation of cases: Partial
Extent of histological confirmation in cases (%): 68
Comments : Study included all ages and both sexes, but results entered relate to males 30-84 only. Overall response rate 57% (all cancer sites, both sexes)

STAYNE
(continued)

Results presented by histological type: present
 Results presented for current smokers: present
 Results presented for ever smokers: present

Results presented by pack-years: present
 Results presented for snuff a/o chewing (combined): present

Results presented for other diseases: present

Total number of confounders considered: 1
 Results presented adjusted for age: 1

STOCKS

Study title : Stocks
 Full study title : UK British Empire Cancer Campaign CC study 1952-55
 Study overlap/links: None
 Study sex : both
 Lowest age in study : 1
 Highest age in study (at baseline): 99
 Study race : all (in country)
 Continent : WEurope/Scandinavia
 Country in W Europe : UK
 Start year of study : 1952
 End year of study : 1955
 Principal publication year: 1957
 Reference ID of principal publication: STOCKS1957
 Number of lung cancer cases: 2932
 Number of controls/at risk: 8635
 Comments : Also STOCKS1955 and STOCKS1957A

Study type : case/control
 Type of controls (for CC studies): diseased + decedents
 Control diseases/causes of death: non cancer patients, stomach/breast cncr decedents
 Type of population : general population
 Any proxy use : present
 Proxy use in cases (%): 78
 Proxy use in controls (%): 16
 Histological confirmation of cases: Diag (chk unkn) or Death cert
 Cases and controls matched on sex: present
 Comments : Study was in two parts. Combined results only entered here for males, decedent part only for females. Decedent part of study - controls were stomach (male) or stomach and breast (female) cancer decedents, all proxy interviews. Living part of study - controls were non-cancer inpatients, no proxy interviews. Male decedents - response rate approx 90%. Proxy use given relates to males only (based on proportion decedents), females 100%.

Results presented for ever smokers: present
 Results presented for pipe smokers: present
 Results presented by amount smoked: present
 Definition of type of pipe: Western pipe

Results presented for regions within study area: present
 Results presented by urban/rural: present

Total number of confounders considered: 2
 Results presented adjusted for age: 1
 Results presented adjusted for vital status: 1

STOCKW Study description Study title : Stockwell
Full study title : US Florida phosphate mining area CC study 1981-83
Study overlap/links: None
Study sex : both
Lowest age in study : 1
Highest age in study (at baseline): 99
Study race : all (in country)
Continent : N America
Country in N America: USA
US state : Fla,Ga,SC,NC
Start year of study : 1981
End year of study : 1983
Principal publication year: 1988
Reference ID of principal publication: STOCKW1988A
Number of lung cancer cases: 22161
Number of controls/at risk: 17710

Study design Study type : case/control
Type of controls (for CC studies): diseased/hospital
Control diseases/causes of death: Colon or rectal cancer
Type of population : general population
Histological confirmation of cases: Partial
Response rate for cases (%): 100
Response rate for controls (%): 100
Cases and controls matched on sex: present
Comments : Based on medical records

Results presented (current db) Results presented for ex-smokers: present
Results presented for current smokers: present
Results presented for ever smokers: present
Results for pipe+cigar smokers, not separately: present
Results presented by amount smoked: present
Definition of type of pipe: Western pipe
Definition of ex-smoker: unspecified

Other non-smok-rel results Results presented by risky exposure (nonoccup): present

STUCKE Study description Study title : Stucker
Full study title : France GSTM1 CC study 1989-92
Study overlap/links: None
Study sex : male
Lowest age in study : 1
Highest age in study (at baseline): 74
Study race : all (in country)
Continent : WEurope/Scandinavia
Country in W Europe : France
Start year of study : 1989
End year of study : 1992
Principal publication year: 1999
Reference ID of principal publication: STUCKE1999
Number of lung cancer cases: 247
Number of controls/at risk: 254

Study design Study type : case/control
Type of controls (for CC studies): diseased/hospital
Control diseases/causes of death: Not lung disease or cancer
Type of population : general population
Cases have full (100%) histological confirmation: present
Histological confirmation of cases: Full
Extent of histological confirmation in cases (%): 100
Response rate for cases (%): 100
Cases and controls matched on age (CC): present
Cases and controls matched on other (not sex/a/r): present
Comments : Non-response comprised a small number of controls

STUCKE

(continued)

Results presented for ex-smokers: present
 Results presented for current smokers: present
 Results presented for ever smokers: present
 Definition of ex-smoker: unspecified

Other smoking/
 tob rel
 results
 Results presented by tobacco type: black/blond etc: present
 Results presented by pack-years: present

SUN Study description
 Study title : Sun
 Full study title : China Liaoning genetics CC study 1992-94
 Study overlap/links: None
 Study sex : both
 Lowest age in study : 1
 Highest age in study (at baseline): 99
 Study race : all (in country)
 Continent : Asia
 Country in Asia : China
 Start year of study : 1992
 End year of study : 1994
 Principal publication year: 1997
 Reference ID of principal publication: SUN1997
 Number of lung cancer cases: 207
 Number of controls/at risk: 364

Study design
 Study type : case/control
 Type of controls (for CC studies): healthy
 Type of population : general population
 Cases have full (100%) histological confirmation: present
 Histological confirmation of cases: Full
 Extent of histological confirmation in cases (%): 100

Results presented (current db)
 Results presented for ever smokers: present
 Comments : Not clearly stated whether ever or current smoking

SUZUK2 Study description
 Study title : Suzuki 2
 Full study title : Brazil Rio de Janeiro CC study 1991-92
 Study overlap/links: None
 Study sex : both
 Lowest age in study : 1
 Highest age in study (at baseline): 99
 Study race : all (in country)
 Continent : SCAmerica
 Country in S/C America: Brazil
 Start year of study : 1991
 End year of study : 1992
 Principal publication year: 1994
 Reference ID of principal publication: SUZUKI1994
 Number of lung cancer cases: 123
 Number of controls/at risk: 123
 Comments : Also SUGIMU1994

SUZUK2
(continued)

Study design	Study type : case/control Type of controls (for CC studies): diseased/hospital Control diseases/causes of death: Excluding cancer and respiratory disease Type of population : general population Cases and controls from different hospitals: present Cases have full (100%) histological confirmation: present Histological confirmation of cases: Full Extent of histological confirmation in cases (%): 100 Response rate for cases (%): 90 Response rate for controls (%): 95 Cases and controls matched on sex: present Cases and controls matched on age (CC): present Cases and controls matched on race (CC): present
Results presented (current db)	Results presented by histological type: present Results presented for ex-smokers: present Results presented for current smokers: present Results presented for ever smokers: present Results presented by cigarette type: present Results presented for handrolled cig smokers: present Definition of handrolled cigarettes: Black tobacco HR Definition of ex-smoker: unspecified Comments : Although pipe and cigar smoking are mentioned (p182 of SUZUKI1994), Table 5 implies that all smokers except 1 control were either MC only smokers or MC+HR smokers
Other smoking/tob rel results	Results presented by inhalation level: present Results presented by age of starting to smoke: present Results presented by pack-years: present Results presented by years since stopped smoking: present
Confounders considered	Total number of confounders considered: 4 Results presented adjusted for sex: present Results presented adjusted for age: 1 Results presented adjusted for race: 1 Results presented adjusted for aspects of smoking: 1 Comments : Assuming table 5 uses same adjustment factors as Table 6
SUZUKI Study description	Study title : Suzuki 1 Full study title : Japan Osaka CC study 1978-86 Study overlap/links: None Study sex : both Lowest age in study : 1 Highest age in study (at baseline): 99 Study race : all (in country) Continent : Asia Country in Asia : Japan Start year of study : 1978 End year of study : 1986 Principal publication year: 1990 Reference ID of principal publication: SUZUKI1990 Number of lung cancer cases: 238 Number of controls/at risk: 476

SUZUKI
(continued)

Study design	Study type : case/control Type of controls (for CC studies): diseased/hospital Control diseases/causes of death: Non smoking related diseases Type of population : general population Cases have full (100%) histological confirmation: present Histological confirmation of cases: Full Extent of histological confirmation in cases (%): 100 Response rate for cases (%): 100 Response rate for controls (%): 94 Cases and controls matched on sex: present Cases and controls matched on age (CC): present Cases and controls matched on other (not sex/a/r): present
Results presented (current db)	Results presented by histological type: present Results presented for ex-smokers: present Results presented for current smokers: present Results presented for ever smokers: present More detailed results available (re current db): present Definition of ex-smoker: gave up >1 year Comments : Results presented for subcategories of adenocarcinoma
Other smoking/tob rel results	Results presented by pack-years: present
Confounders considered	Total number of confounders considered: 2 Results presented adjusted for age: 1 Results presented adj for year hospital admission: 1
SVENSS Study description	Study title : Svensson Full study title : Sweden Stockholm County CC study 1983-86 Study overlap/links: None Study sex : female Lowest age in study : 1 Highest age in study (at baseline): 99 Study race : all (in country) Continent : WEurope/Scandinavia Country in W Europe : Sweden Start year of study : 1983 End year of study : 1986 Principal publication year: 1989 Reference ID of principal publication: SVENSS1989 Number of lung cancer cases: 210 Number of controls/at risk: 209 Comments : Also SVENSS1989A, PERSHA1992A
Study design	Study type : case/control Type of controls (for CC studies): healthy Type of population : general population Cases and controls different interview setting: present Histological confirmation of cases: Partial Extent of histological confirmation in cases (%): 70 Response rate for cases (%): 97 Response rate for controls (%): 84 Cases and controls matched on age (CC): present Comments : Response rate in controls is for first choice controls, controls who refused to be interviewed were replaced
Results presented (current db)	Results presented by histological type: present Results presented for ex-smokers: present Results presented for current smokers: present Results presented for ever smokers: present Results presented by amount smoked: present Definition of ex-smoker: gave up >2 years

SVENSS

(continued)

Other smoking/
tob rel
results Results presented by age of starting to smoke: present
Results presented by years since stopped smoking: present
Results presented by/for ETS in all/active smokers: present
Mention of ETS (including in never smokers): present

Other
non-smok-rel
results Results presented by risky exposure (nonoccup): present

Confounders
considered Total number of confounders considered: 1
Results presented adjusted for age: 1

TANG Study description Study title : Tang 1
Full study title : US Columbia Presbyterian genetics CC study
Study overlap/links: None
Study sex : both
Lowest age in study : 1
Highest age in study (at baseline): 99
Study race : all (in country)
Continent : NAmerica
Country in N America: USA
US state : Vt,Me,NY,NH,Mass,RI,Conn
Principal publication year: 1995
Reference ID of principal publication: TANG1995
Number of lung cancer cases: 119
Number of controls/at risk: 98
Comments : Also TANG1998A

Study design Study type : case/control
Type of controls (for CC studies): diseased/hospital
Control diseases/causes of death: Orthopedic patients with no history of cancer or benign lung disease
Type of population : general population
Cases and controls different interview setting: present
Cases have full (100%) histological confirmation: present
Histological confirmation of cases: Full
Extent of histological confirmation in cases (%): 100
Response rate for cases (%): 88
Response rate for controls (%): 85
Comments : Collection of subjects started before 1989, and ended before 1995. Subjects were personally interviewed except 26% of cases and 4% of controls for whom information was taken from tumour registry records (even though controls had no history of cancer!)

Results
presented
(current db) Results presented by histological type: present
Results presented for ex-smokers: present
Results presented for current smokers: present
Results presented for ever smokers: present
Definition of ex-smoker: unspecified

TANG2 Study description Study title : Tang 2
Full study title : UK 4 cohort studies pooled 1967-90
Study overlap/links: TANG2-combined
Study sex : male
Lowest age in study : 35
Highest age in study (at baseline): 78
Highest age in study at final followup: 98
Study race : all (in country)
Continent : WEurope/Scandinavia
Country in W Europe : UK
Start year of study : 1967
End year of study : 1982
Final follow up year: 1990
Principal publication year: 1995
Reference ID of principal publication: TANG1995A
Number of lung cancer cases: 836
Number of controls/at risk: 56255
Comments : Only filter/plain results entered here, other results not entered as they are available for the individual studies

Study design Study type : prospective
Prospective study : present
Type of population : prof/civil s/factory/residents
Histological confirmation of cases: Death certificate (unchecked)

Results presented (current db) Results presented for current smokers: present
Results presented by cigarette type: present
Results presented by amount smoked: present

Other smoking/tob rel results Results presented by tar level: present

Other non-smok-rel results Results presented for other diseases: present

Confounders considered Total number of confounders considered: 3
Results presented adjusted for age: 1
Results presented adjusted by source of case: 1
Results presented adjusted for aspects of smoking: 1

TAO Study description Study title : Tao
Full study title : China Shanghai CC study 1988-90
Study overlap/links: None
Study sex : both
Lowest age in study : 1
Highest age in study (at baseline): 99
Study race : all (in country)
Continent : Asia
Country in Asia : China
Start year of study : 1988
End year of study : 1990
Principal publication year: 1996
Reference ID of principal publication: TAO1996
Number of lung cancer cases: 723
Number of controls/at risk: 12695

Study design Study type : case/control
Type of controls (for CC studies): healthy
Type of population : general population
Histological confirmation of cases: Diagnosis (checking unknown)

Results presented (current db) Results presented for ever smokers: present

TIZZAN	Study description	Study title : Tizzano Full study title : Italy CC study 1959-61 Study overlap/links: None Study sex : both Lowest age in study : 1 Highest age in study (at baseline): 99 Study race : all (in country) Continent : WEurope/Scandinavia Country in W Europe : Italy Start year of study : 1959 End year of study : 1961 Principal publication year: 1965 Reference ID of principal publication: TIZZAN1965 Number of lung cancer cases: 1358 Number of controls/at risk: 1358
	Study design	Study type : case/control Type of controls (for CC studies): diseased/hospital Control diseases/causes of death: Non smoking related diseases Type of population : general population Histological confirmation of cases: Partial Cases and controls matched on sex: present Cases and controls matched on age (CC): present
	Results presented (current db)	Results presented by histological type: present Results presented for ex-smokers: present Results presented for current smokers: present Results presented for ever smokers: present Results presented for pipe smokers: present Results presented for cigar smokers: present Results presented by amount smoked: present Definition of type of pipe: Western pipe Definition of ex-smoker: all ex-smokers
	Other smoking/tob rel results	Results presented by age of starting to smoke: present Results presented by duration of smoking: present Results presented by fraction length smoked: present Results presented by imported/national cigs: present
TOKARS	Study description	Study title : Tokarskaya Full study title : Russia Nuclear Workers nested CC study 1966-91 Study overlap/links: None Study sex : both Lowest age in study : 15 Highest age in study (at baseline): 70 Highest age in study at final followup: 99 Study race : all (in country) Continent : EEurope/Balkans Country in E Europe/Balkans: USSR etc Republic in USSR : Russia Start year of study : 1966 End year of study : 1991 Final follow up year: 1991 Principal publication year: 1995 Reference ID of principal publication: TOKARS1995 Number of lung cancer cases: 162 Number of controls/at risk: 338 Comments : Also TOKARS1994, TOKARS1996, TOKARS1996A and TOKARS1997A

TOKARS

(continued)

Study design	Study type : nested case/control Type of controls (for CC studies): healthy Type of population : employed-specific industry/ies Cases have full (100%) histological confirmation: present Histological confirmation of cases: Full Extent of histological confirmation in cases (%): 100 Response rate in prospective study at baseline (%): 100 Response rate for cases (%): 100 Response rate for controls (%): 100 Cases and controls matched on sex: present Cases and controls matched on age (CC): present Cases and controls matched on other (not sex/a/r): present
Results presented (current db)	Results presented by histological type: present Results presented for ex-smokers: present Results presented for current smokers: present Results presented for ever smokers: present Definition of ex-smoker: unspecified
Confounders considered	Total number of confounders considered: 5 Results presented adjusted for body mass index: 1 Results presented by medical history: 2 Results presented adjusted by radiation level: 2
TOUSEY Study description	Study title : Tousey Full study title : US Duval County CC study 1993-96 Study overlap/links: None Study sex : both Lowest age in study : 30 Highest age in study (at baseline): 84 Study race : all (in country) Continent : NAmerica Country in N America: USA US state : Fla,Ga,SC,NC Start year of study : 1993 End year of study : 1996 Principal publication year: 1999 Reference ID of principal publication: TOUSEY1999 Number of lung cancer cases: 507 Number of controls/at risk: 1007
Study design	Study type : case/control Type of controls (for CC studies): healthy Type of population : general population Any proxy use : present Proxy use in cases (%): 36 Marked diff in proxy use for cases v controls: present Cases and controls different vital status: present Cases have full (100%) histological confirmation: present Histological confirmation of cases: Full Extent of histological confirmation in cases (%): 100 Response rate for cases (%): 68 Cases and controls matched on sex: present Cases and controls matched on age (CC): present Cases and controls matched on race (CC): present Comments : Frequency matched on age, sex and race

TOUSEY
(continued)

Results presented (current db)	Results presented for ex-smokers: present Results presented for current smokers: present Results presented for ever smokers: present Results for pipe+cigar smokers, not separately: present Definition of type of pipe: Western pipe Definition of ex-smoker: gave up >1 year Comments : There were no female pipe smokers. Female cigar smokers were excluded from the adjusted analysis
Other smoking/ tob rel results	Mention of ETS (including in never smokers): present
Confounders considered	Total number of confounders considered: 3 Results presented adjusted for age: 1 Results presented adjusted for race: 1 Results presented adjusted for educational level: 1
TSUGAN Study description	Study title : Tsugane Full study title : Japan National Cancer Centre CC study 1976-85 Study overlap/links: None Study sex : both Lowest age in study : 30 Highest age in study (at baseline): 49 Study race : all (in country) Continent : Asia Country in Asia : Japan Start year of study : 1976 End year of study : 1985 Principal publication year: 1987 Reference ID of principal publication: TSUGAN1987 Number of lung cancer cases: 134 Number of controls/at risk: 134
Study design	Study type : case/control Type of controls (for CC studies): diseased/hospital Control diseases/causes of death: Not malignant cancer Type of population : general population Cases have full (100%) histological confirmation: present Histological confirmation of cases: Full Extent of histological confirmation in cases (%): 100 Response rate for cases (%): 97 Response rate for controls (%): 99 Cases and controls matched on sex: present Cases and controls matched on age (CC): present Cases and controls matched on other (not sex/a/r): present
Results presented (current db)	Results presented by histological type: present Results presented for ex-smokers: present Results presented for current smokers: present Results presented for ever smokers: present Results presented by amount smoked: present Definition of ex-smoker: gave up >5 years
Other smoking/ tob rel results	Results presented by pack-years: present
Confounders considered	Total number of confounders considered: 3 Results presented adjusted for age: 1 Results presented adjusted for residence: 1 Results presented adj for year hospital admission: 1

TULINI	Study description	Study title : Tulinus Full study title : Iceland Reykjavik cohort study 1967-95 Study overlap/links: None Study sex : both Lowest age in study : 32 Highest age in study (at baseline): 84 Highest age in study at final followup: 88 Study race : all (in country) Continent : WEurope/Scandinavia Country in W Europe : Iceland Start year of study : 1967 End year of study : 1991 Final follow up year: 1995 Principal publication year: 1997 Reference ID of principal publication: TULINI1997 Number of lung cancer cases: 472 Number of controls/at risk: 22946
	Study design	Study type : prospective Prospective study : present Type of population : general population Histological confirmation of cases: Diagnosis (checking unknown) Response rate in prospective study at baseline (%): 73 Comments : Highest and lowest ages in study are calculated for the main Reykjavik cohorts, unknown for the other (rural and younger) cohorts. Histological confirmation was about 95% for all cancer sites combined
	Results presented (current db)	Results presented for ex-smokers: present Results presented for current smokers: present Results presented for ever smokers: present Results presented for pipe smokers: present Results presented for cigar smokers: present Results for pipe+cigar smokers, not separately: present Results presented by amount smoked: present Definition of type of pipe: Western pipe Definition of ex-smoker: unspecified Comments : Smoking categories are simply described as pipe, cigar (or pipe or cigar for women) or cigarettes, so it is unclear how mixed product smokers have been allocated.
	Other non-smok-rel results	Results presented for other diseases: present
	Confounders considered	Total number of confounders considered: 3 Results presented adjusted for age: 1 Results presented adjusted for body mass index: 1 Results presented adjusted for curr medical obs: 1
TVERDA	Study description	Study title : Tverdal Full study title : Norway cohort study 1972-88 Study overlap/links: VEIERO/TVERDAL Study sex : both Lowest age in study : 35 Highest age in study (at baseline): 49 Highest age in study at final followup: 63 Study race : all (in country) Continent : WEurope/Scandinavia Country in W Europe : Norway Start year of study : 1972 End year of study : 1978 Final follow up year: 1988 Principal publication year: 1993 Reference ID of principal publication: TVERDA1993 Number of lung cancer cases: 238 Number of controls/at risk: 68825 Comments : Overlaps with VEIERO - this study uses the first wave of screening interviews as baseline, includes 2 extra regions for males only, has a narrower age range and

TVERDA
(continued)

ends followup 3 years earlier

Study design Study type : prospective
 Prospective study : present
 Type of population : persons attending screening
 Histological confirmation of cases: Death certificate (unchecked)
 Comments : Response rate varied between 63% and 95% in different regions

Results
 presented
 (current db) Results presented for ex-smokers: present
 Results presented for current smokers: present
 Results presented for ever smokers: present
 Results presented for pipe smokers: present
 Results presented by amount smoked: present
 Definition of type of pipe: Western pipe
 Definition of ex-smoker: all ex-smokers

Other smoking/
 tob rel
 results Results presented by years since stopped smoking: present

Other
 non-smok-rel
 results Results presented for other diseases: present

Confounders
 considered Total number of confounders considered: 2
 Results presented adjusted for age: 1
 Results presented adjusted for region: 1

ULMER Study Study title : Ulmer
 description Full study title : Germany Bochum CC study 1971-75
 Study overlap/links: None
 Study sex : both
 Lowest age in study : 1
 Highest age in study (at baseline): 99
 Study race : all (in country)
 Continent : WEurope/Scandinavia
 Country in W Europe : Germany
 Start year of study : 1971
 End year of study : 1975
 Principal publication year: 1982
 Reference ID of principal publication: ULMER1982
 Number of lung cancer cases: 726

Study design Study type : case/control
 Type of controls (for CC studies): healthy
 Type of population : general population
 Any proxy use : present
 Proxy use in cases (%): 100
 Marked diff in proxy use for cases v controls: present
 Cases and controls different vital status: present
 Histological confirmation of cases: Death certificate (unchecked)
 Response rate for cases (%): 86
 Comments : Controls aged 35+, no age restriction on cases

Results
 presented
 (current db) Results presented for ever smokers: present

VANDER Study description

Study title : van der Wal
 Full study title : Netherlands CNSLD CC study 1960-62
 Study overlap/links: None
 Study sex : both
 Lowest age in study : 1
 Highest age in study (at baseline): 99
 Study race : all (in country)
 Continent : WEurope/Scandinavia
 Country in W Europe : Netherlands
 Start year of study : 1960
 End year of study : 1962
 Principal publication year: 1966
 Reference ID of principal publication: VANDER1966
 Number of lung cancer cases: 150
 Number of controls/at risk: 150

Study design

Study type : case/control
 Type of controls (for CC studies): healthy
 Type of population : general population
 Histological confirmation of cases: Partial
 Extent of histological confirmation in cases (%): 83
 Response rate for cases (%): 100
 Response rate for controls (%): 90
 Cases and controls matched on sex: present
 Cases and controls matched on age (CC): present
 Cases and controls matched on other (not sex/a/r): present
 Comments : No results presented for females

Results presented (current db)

Results presented for ever smokers: present
 Results presented by amount smoked: present
 Comments : Ever smoking refers to smoking in past 10 years

Other non-smok-rel results

Results presented by previous medical history: present

VEIERO Study description

Study title : Veierod
 Full study title : Norway Health Screening cohort study 1977-91
 Study overlap/links: VEIERO/TVERDAL
 Study sex : both
 Lowest age in study : 16
 Highest age in study (at baseline): 56
 Highest age in study at final followup: 70
 Study race : all (in country)
 Continent : WEurope/Scandinavia
 Country in W Europe : Norway
 Start year of study : 1977
 End year of study : 1983
 Final follow up year: 1991
 Principal publication year: 1997
 Reference ID of principal publication: VEIERO1997
 Number of lung cancer cases: 153
 Number of controls/at risk: 51452
 Comments : Overlaps with TVERDA - this study uses a second wave of screening as its baseline, includes only 3 (out of 5) regions and additionally includes younger subjects, and continues followup for an extra 3 years

Study design

Study type : prospective
 Prospective study : present
 Type of population : general population
 Histological confirmation of cases: Partial
 Extent of histological confirmation in cases (%): 95
 Response rate in prospective study at baseline (%): 72

VEIERO
(continued)

Results presented (current db)	Results presented for ex-smokers: present Results presented for current smokers: present Results presented for ever smokers: present Definition of ex-smoker: all ex-smokers
Confounders considered	Total number of confounders considered: 1 Results presented adjusted for age: 1
VUTUC Study description	Study title : Vutuc Full study title : Austria CC study 1976-80 Study overlap/links: Subset of Lubin2 Study sex : both Lowest age in study : 1 Highest age in study (at baseline): 99 Study race : all (in country) Continent : WEurope/Scandinavia Country in W Europe : Austria Start year of study : 1976 End year of study : 1980 Principal publication year: 1983 Reference ID of principal publication: VUTUC1983C Number of lung cancer cases: 1877 Number of controls/at risk: 3740 Comments : Also VUTUC1979, VUTUC1979A, VUTUC1980B, VUTUC1981, VUTUC1981A, VUTUC1981B, VUTUC1982, VUTUC1982A, VUTUC1982B, VUTUC1982D, VUTUC1982E, VUTUC1982F, VUTUC1983, VUTUC1983B, VUTUC1994 and KUNZE1980A. Main details taken from VUTUC1983C as most recent paper to give total numbers of cases and controls. Extra details taken from VUTUC1982 as an English language paper that gives detail. Results from this study also entered as combined results from seven centres (5 countries) in LUBIN2
Study design	Study type : case/control Type of controls (for CC studies): diseased/hospital Control diseases/causes of death: Without tobacco rel disease or cirrhosis Type of population : general population Histological confirmation of cases: Partial Cases and controls matched on sex: present Cases and controls matched on age (CC): present
Results presented (current db)	Results presented by histological type: present Results presented for ex-smokers: present Results presented for current smokers: present Results presented for ever smokers: present Definition of ex-smoker: all ex-smokers
Other smoking/tob rel results	Results presented by tar level: present
Other non-smok-rel results	Results presented by socio-economic status: present Results presented by risky occupational exposure: present

WAKAI	Study description	Study title : Wakai Full study title : Japan Okinawa CC study 1988-91 Study overlap/links: None Study sex : both Lowest age in study : 40 Highest age in study (at baseline): 89 Study race : all (in country) Continent : Asia Country in Asia : Japan Start year of study : 1988 End year of study : 1991 Principal publication year: 1997 Reference ID of principal publication: WAKAI1997 Number of lung cancer cases: 333 Number of controls/at risk: 666
	Study design	Study type : case/control Type of controls (for CC studies): healthy Type of population : general population Cases have full (100%) histological confirmation: present Histological confirmation of cases: Full Extent of histological confirmation in cases (%): 100 Response rate for cases (%): 70 Cases and controls matched on sex: present Cases and controls matched on age (CC): present Cases and controls matched on other (not sex/a/r): present Comments : Controls excludes persons with history of cancer
	Results presented (current db)	Results presented by histological type: present Results presented for ex-smokers: present Results presented for current smokers: present Results presented for ever smokers: present Results presented by cigarette type: present Results presented by amount smoked: present Definition of ex-smoker: gave up >5 years
	Other smoking/tob rel results	Results presented by inhalation level: present Results presented by age of starting to smoke: present Results presented by years since stopped smoking: present Results presented by fraction length smoked: present
	Confounders considered	Total number of confounders considered: 6 Results presented adjusted for age: 1 Results presented adjusted for aspects of smoking: 4 Results presented adjusted for residence: 1
WALD	Study description	Study title : Wald Full study title : UK BUPA cohort study 1975-93 Study overlap/links: Subset of TANG2 Study sex : male Lowest age in study : 35 Highest age in study (at baseline): 64 Highest age in study at final followup: 75 Study race : all (in country) Continent : WEurope/Scandinavia Country in W Europe : UK Start year of study : 1975 End year of study : 1982 Final follow up year: 1993 Principal publication year: 1997 Reference ID of principal publication: WALD1997 Number of lung cancer cases: 102 Number of controls/at risk: 21520 Comments : Subset of TANG2 which is used for F/P results only

WALD

(continued)

Study design Study type : prospective
 Prospective study : present
 Type of population : professional and business men
 Histological confirmation of cases: Death certificate (unchecked)

Results presented (current db) Results presented for current smokers: present
 Results for pipe+cigar smokers, not separately: present
 Definition of type of pipe: Western pipe

Other smoking/tob rel results Results presented for product switch: present

Other non-smok-rel results Results presented for other diseases: present

Confounders considered Total number of confounders considered: 1
 Results presented adjusted for age: 1

WANG

Study description Study title : Wang 1
 Full study title : China Guangdong CC study 1990-93
 Study overlap/links: None
 Study sex : both
 Lowest age in study : 32
 Highest age in study (at baseline): 78
 Study race : all (in country)
 Continent : Asia
 Country in Asia : China
 Start year of study : 1990
 End year of study : 1993
 Principal publication year: 1996
 Reference ID of principal publication: WANG1996A
 Number of lung cancer cases: 390
 Number of controls/at risk: 390

Study design Study type : case/control
 Type of controls (for CC studies): diseased/hospital
 Control diseases/causes of death: No cancer or lung disease
 Type of population : gen pop long term resident
 Cases have full (100%) histological confirmation: present
 Histological confirmation of cases: Full
 Extent of histological confirmation in cases (%): 100
 Cases and controls matched on sex: present
 Cases and controls matched on age (CC): present
 Cases and controls matched on education: present
 Cases and controls matched on other (not sex/a/r): present
 Comments : Not clear if there was an age restriction

Results presented (current db) Results presented by histological type: present
 Results presented for ever smokers: present

Confounders considered Total number of confounders considered: 6
 Results presented adjusted for dietary factors: 1
 Results presented by medical history: 2
 Results presented adjusted for ETS: 2
 Results presented adj for family history cancer: 1

WANG2 Study description Study title : Wang 2
 Full study title : China Tai Yuan CC study 1980-82
 Study overlap/links: None
 Study sex : both
 Lowest age in study : 1
 Highest age in study (at baseline): 99
 Study race : all (in country)
 Continent : Asia
 Country in Asia : China
 Start year of study : 1980
 End year of study : 1982
 Principal publication year: 1985
 Reference ID of principal publication: WANG1985
 Number of lung cancer cases: 103
 Number of controls/at risk: 174
 Comments : Also YU1996A, LIU1992

Study design Study type : case/control
 Type of controls (for CC studies): healthy + diseased
 Control diseases/causes of death: Cancer unrelated to smoking
 Type of population : general population
 Histological confirmation of cases: Diagnosis (not checked)
 Cases and controls matched on sex: present
 Cases and controls matched on age (CC): present
 Cases and controls matched on race (CC): present
 Cases and controls matched on other (not sex/a/r): present
 Comments : Assume all ages as 89% were age 40-69. Only 71 cases with double controls were analysed

Results presented (current db) Results presented for ex-smokers: present
 Results presented for current smokers: present
 Results presented for ever smokers: present
 Results presented by amount smoked: present
 Definition of ex-smoker: gave up >1 year

Other smoking/tob rel results Results presented by duration of smoking: present
 Results presented by years since stopped smoking: present

Confounders considered Total number of confounders considered: 4
 Results presented adjusted for sex: present
 Results presented adjusted for age: 1
 Results presented adjusted for race: 1
 Results presented adjusted for time of residence: 1

 No abnormalities were found in any of the other cards examined

WANG3 Study description Study title : Wang 3
 Full study title : China Nanjing CC study
 Study overlap/links: None
 Study sex : both
 Study race : all (in country)
 Continent : Asia
 Country in Asia : China
 Principal publication year: 1984
 Reference ID of principal publication: YU1996A
 Number of lung cancer cases: 293
 Number of controls/at risk: 293
 Comments : Also WANG1984 (missing), and LIU1992

Study design Study type : case/control
 Type of controls (for CC studies): healthy
 Histological confirmation of cases: Diagnosis (checking unknown)
 Cases and controls matched on sex: present
 Cases and controls matched on age (CC): present
 Cases and controls matched on other (not sex/a/r): present

WANG3
(continued)

Results presented (current db) Results presented for ever smokers: present

No abnormalities were found in any of the other cards examined

WANG4 Study description
Study title : Wang 4
Full study title : China Xuanwei farmers cohort study 1976-96
Study overlap/links: None
Study sex : male
Lowest age in study : 25
Highest age in study (at baseline): 59
Study race : all (in country)
Continent : Asia
Country in Asia : China
Start year of study : 1976
End year of study : 1996
Principal publication year: 1999
Reference ID of principal publication: WANG1999C
Number of lung cancer cases: 1170
Number of controls/at risk: 20538

Study design
Study type : case/control
Type of controls (for CC studies): healthy
Type of population : employed-specific industry/ies
Any proxy use : present
Proxy use in cases (%): 100
Marked diff in proxy use for cases v controls: present
Cases and controls different vital status: present
Histological confirmation of cases: Death certificate (unchecked)
Comments : Study design is unclear - described as retrospective cohort. Subjects selected on basis of residence in 1976, but interviewing assumed to have taken place about 1996. All subjects said to have been interviewed, but cases at least must have been proxies. No mention of other causes of death or other losses. As crude numbers available, results have been entered as if from a retrospective CC study.

Results presented (current db) Results presented for ever smokers: present
More detailed results available (re current db): present
Comments : Not clearly stated whether current or ever smoking. Risk per cigarette/day also available

Other non-smok-rel results
Results presented by previous medical history: present
Results presented by cooking/heating practice: present

Confounders considered
Total number of confounders considered: 2
Results presented adjusted for cooking/heating: 1
Results presented by medical history: 1

WARSIN Study description Study title : Warsink
 Full study title : Netherlands CC study
 Study overlap/links: None
 Study sex : male
 Continent : WEurope/Scandinavia
 Country in W Europe : Netherlands
 Principal publication year: 1978
 Reference ID of principal publication: COUNCI1978
 Number of lung cancer cases: 134
 Number of controls/at risk: 100
 Comments : Original source simply given as Warsink (1948), cannot be traced

Study design Study type : case/control
 Type of controls (for CC studies): unstated
 Comments : No details of study design available. Assumed males

Results presented (current db) Results presented for current smokers: present
 Results presented by amount smoked: present

WATSON Study description Study title : Watson
 Full study title : US New York Memorial Hospital CC study 1950-52
 Study overlap/links: None
 Study sex : both
 Lowest age in study : 1
 Highest age in study (at baseline): 99
 Study race : all (in country)
 Continent : NAmerica
 Country in N America: USA
 US state : Vt,Me,NY,NH,Mass,RI,Conn
 Start year of study : 1950
 End year of study : 1952
 Principal publication year: 1955
 Reference ID of principal publication: WATSON1955
 Number of lung cancer cases: 301
 Number of controls/at risk: 468
 Comments : Also WATSON1954

Study design Study type : case/control
 Type of controls (for CC studies): diseased/hospital
 Control diseases/causes of death: Thoracic patients without lung cancer
 Type of population : general population
 Cases have full (100%) histological confirmation: present
 Histological confirmation of cases: Full
 Extent of histological confirmation in cases (%): 100
 Response rate for cases (%): 100
 Response rate for controls (%): 100

Results presented (current db) Results presented for current smokers: present
 Results presented by amount smoked: present
 Comments : Not clearly stated whether results relate to current/non or ever/never

Other smoking/tob rel results Results presented by duration of smoking: present

WEIR	Study description	Study title : Weir Full study title : US California Labour Union cohort study 1954-62 Study overlap/links: None Study sex : male Lowest age in study : 35 Highest age in study (at baseline): 64 Highest age in study at final followup: 70 Study race : all (in country) Continent : NAmerica Country in N America: USA US state : Cal,Wash,Oreg Start year of study : 1954 End year of study : 1957 Final follow up year: 1962 Principal publication year: 1970 Reference ID of principal publication: WEIR1970 Number of lung cancer cases: 368 Number of controls/at risk: 68153
	Study design	Study type : prospective Prospective study : present Type of population : labor union members Histological confirmation of cases: Death certificate (unchecked)
	Results presented (current db)	Results presented for ever smokers: present Results presented by amount smoked: present
	Other smoking/tob rel results	Results presented by duration of smoking: present
	Other non-smok-rel results	Results presented for other diseases: present
	Confounders considered	Total number of confounders considered: 1 Results presented adjusted for age: 1
WICKLU	Study description	Study title : Wicklund Full study title : US Washington County orchardists CC study 1968-80 Study overlap/links: None Study sex : male Lowest age in study : 1 Highest age in study (at baseline): 99 Study race : whites (inc hispanic) Continent : NAmerica Country in N America: USA US state : Cal,Wash,Oreg Start year of study : 1968 End year of study : 1980 Principal publication year: 1988 Reference ID of principal publication: WICKLU1988 Number of lung cancer cases: 155 Number of controls/at risk: 155

WILKIN Study description Study title : Wilkinson
 Full study title : UK London Chest Hospital CC study 1992-93
 Study overlap/links: None
 Study sex : both
 Lowest age in study : 1
 Highest age in study (at baseline): 99
 Study race : all (in country)
 Continent : WEurope/Scandinavia
 Country in W Europe : UK
 Start year of study : 1992
 End year of study : 1993
 Principal publication year: 1995
 Reference ID of principal publication: WILKIN1995
 Number of lung cancer cases: 271
 Number of controls/at risk: 678

Study design Study type : case/control
 Type of controls (for CC studies): diseased/hospital
 Control diseases/causes of death: Respiratory and cardiac disease
 Type of population : general population
 Histological confirmation of cases: Partial
 Comments : Response rate approximately 94% for cases and controls combined

Results presented (current db) Results presented for ever smokers: present

Other smoking/tob rel results Results presented by pack-years: present

Confounders considered Total number of confounders considered: 4
 Results presented adjusted for sex: present
 Results presented adjusted for age: 1
 Results presented adjusted for risky occupation: 1
 Results presented adjusted by source of case: 1

WU Study description Study title : Wu 1
 Full study title : US California LA County CC study 1981-82
 Study overlap/links: None
 Study sex : female
 Lowest age in study : 1
 Highest age in study (at baseline): 75
 Study race : whites (inc hispanic)
 Continent : NAmerica
 Country in N America: USA
 US state : Cal,Wash,Oreg
 Start year of study : 1981
 End year of study : 1982
 Principal publication year: 1985
 Reference ID of principal publication: WU1985
 Number of lung cancer cases: 220
 Number of controls/at risk: 220

Study design Study type : case/control
 Type of controls (for CC studies): healthy
 Type of population : gen pop - English speaking
 Cases have full (100%) histological confirmation: present
 Histological confirmation of cases: Full
 Extent of histological confirmation in cases (%): 100
 Response rate for cases (%): 45
 Response rate for controls (%): 72
 Cases and controls matched on age (CC): present
 Cases and controls matched on other (not sex/a/r): present
 Comments : Controls include 150 first choice controls, 55 second choice controls and 15 third choice controls

WU

(continued)

Results presented (current db) Results presented by histological type: present
 Results presented for ex-smokers: present
 Results presented for current smokers: present
 Results presented for ever smokers: present
 Results presented by amount smoked: present
 Definition of ex-smoker: gave up >3 years

Other smoking/tob rel results Results presented by age of starting to smoke: present
 Results presented by/for ETS in all/active smokers: present
 Mention of ETS (including in never smokers): present

Other non-smok-rel results Results presented by previous medical history: present
 Results presented by cooking/heating practice: present

Confounders considered Total number of confounders considered: 2
 Results presented adjusted for age: 1
 Results presented adjusted for residence: 1

WU2

Study description Study title : Wu 2
 Full study title : US California LA County CC study 1983-86
 Study overlap/links: None
 Study sex : female
 Lowest age in study : 30
 Highest age in study (at baseline): 75
 Study race : all (in country)
 Continent : N America
 Country in N America: USA
 US state : Cal,Wash,Oreg
 Start year of study : 1983
 End year of study : 1986
 Principal publication year: 1988
 Reference ID of principal publication: WU1988
 Number of lung cancer cases: 336
 Number of controls/at risk: 336

Study design Study type : case/control
 Type of controls (for CC studies): healthy
 Type of population : general population
 Cases have full (100%) histological confirmation: present
 Histological confirmation of cases: Full
 Extent of histological confirmation in cases (%): 100
 Response rate for cases (%): 40
 Response rate for controls (%): 65
 Cases and controls matched on age (CC): present
 Cases and controls matched on other (not sex/a/r): present
 Comments : Controls include 203 first choice controls, 87 second choice controls and 46 third or lower choice controls

Results presented (current db) Results presented for current smokers: present
 Comments : Further results are to be given in a separate paper, but this has not been located (and may not have been published). A significant trend is noted for number of cigarettes per day. Results for ex-smokers have not been entered here as only the result for recent (<10 year) quitters is given

Other smoking/tob rel results Comments : Significant trends are noted for duration of smoking and inhalation, but not details are available

Confounders considered Total number of confounders considered: 2
 Results presented adjusted for age: 1
 Results presented adjusted for residence: 1

WUNSCH Study description Study title : Wunsch-Filho
 Full study title : Brazil Sao Paulo CC study 1990-91
 Study overlap/links: None
 Study sex : both
 Lowest age in study : 1
 Highest age in study (at baseline): 99
 Study race : all (in country)
 Continent : SCAmerica
 Country in S/C America: Brazil
 Start year of study : 1990
 End year of study : 1991
 Principal publication year: 1998
 Reference ID of principal publication: WUNSCH1998
 Number of lung cancer cases: 398
 Number of controls/at risk: 860
 Comments : Also WUNSCH1995 which covers a shorter time period

Study design Study type : case/control
 Type of controls (for CC studies): diseased/hospital
 Control diseases/causes of death: Excluding COPD and smoking rel cancer
 Type of population : general population
 Any proxy use : present
 Proxy use in cases (%): 16
 Proxy use in controls (%): 10
 Histological confirmation of cases: Partial
 Extent of histological confirmation in cases (%): 92
 Response rate for cases (%): 100
 Response rate for controls (%): 100
 Cases and controls matched on sex: present
 Cases and controls matched on age (CC): present
 Cases and controls matched on other (not sex/a/r): present
 Comments : Data collection began July 1990 for cases diagnosed from Jan 1989, suggesting some patients had probably died. There is no mention of admission date or vital status for controls

Results presented (current db) Results presented for ex-smokers: present
 Results presented for current smokers: present
 Results presented for ever smokers: present
 Definition of ex-smoker: gave up >1 year

Other smoking/tob rel results Results presented by pack-years: present
 Results presented by/for ETS in all/active smokers: present

Confounders considered Total number of confounders considered: 1
 Results presented adjusted for age: 1

WUWILL Study description Study title : Wu-Williams
 Full study title : China Shenyang and Harbin CC study 1985-87
 Study overlap/links: None
 Study sex : female
 Lowest age in study : 30
 Highest age in study (at baseline): 69
 Study race : all (in country)
 Continent : Asia
 Country in Asia : China
 Start year of study : 1985
 End year of study : 1987
 Principal publication year: 1990
 Reference ID of principal publication: WUWILL1990
 Number of lung cancer cases: 965
 Number of controls/at risk: 959
 Comments : Also XU1989, XU1991A, XU1996B, YU1996A, LIU1992, BLOT1990 -all of these additional papers are for Shenyang only, but have less detailed results. Males (Shenyang only) have been entered as ref XU.

WUWILL
(continued)

Study design	Study type : case/control Type of controls (for CC studies): healthy Type of population : general population Cases and controls different interview setting: present Histological confirmation of cases: Partial Extent of histological confirmation in cases (%): 42 Response rate for cases (%): 92 Cases and controls matched on age (CC): present Comments : Frequency matched on age
Results presented (current db)	Results presented by histological type: present Results presented for ever smokers: present Results presented by amount smoked: present
Other smoking/tob rel results	Results presented by duration of smoking: present Results presented by/for ETS in all/active smokers: present Mention of ETS (including in never smokers): present
Other non-smok-rel results	Results presented by risky exposure (nonoccup): present
Confounders considered	Total number of confounders considered: 3 Results presented adjusted for age: 1 Results presented adjusted for educational level: 1 Results presented adjusted by source of case: 1
WYNDE2 Study description	Study title : Wynder 2 Full study title : US New York CC study 1962-64 Study overlap/links: None Study sex : male Lowest age in study : 1 Highest age in study (at baseline): 99 Study race : all (in country) Continent : NAmerica Country in N America: USA US state : Vt,Me,NY,NH,Mass,RI,Conn Start year of study : 1962 End year of study : 1964 Principal publication year: 1966 Reference ID of principal publication: WYNDER1966B Number of lung cancer cases: 404 Number of controls/at risk: 721 Comments : Also WYNDER1966A, WYNDER1967C and WYNDER1972B
Study design	Study type : case/control Type of controls (for CC studies): diseased/hospital Control diseases/causes of death: Cancer excl resp, GI & upper alimentary Type of population : general population Cases have full (100%) histological confirmation: present Histological confirmation of cases: Full Extent of histological confirmation in cases (%): 100 Cases and controls matched on age (CC): present
Results presented (current db)	Results presented by histological type: present Results presented for ever smokers: present Results for pipe+cigar smokers, not separately: present Results presented by amount smoked: present Definition of type of pipe: Western pipe Comments : Results by histological type are described differently in the various papers (KI: epidermoid and anaplastic, or squamous and oat cell. KII: adenocarcinoma and terminal bronchiolar carconoma, or adenocarcinoma, or glandular) but clearly relate to the same group of patients

WYNDE2

(continued)

Other smoking/
tob rel
results Results presented by inhalation level: present
Results presented by duration of smoking: present
Results presented by fraction length smoked: present

Other
non-smok-rel
results Results presented by current medical conds/obs: present
Results presented by religion: present

WYNDE3

Study description Study title : Wynder 3
Full study title : US New York Memorial CC study 1966-69
Study overlap/links: None
Study sex : both
Lowest age in study : 1
Highest age in study (at baseline): 99
Study race : all (in country)
Continent : NAmerica
Country in N America: USA
US state : Vt,Me,NY,NH,Mass,RI,Conn
Start year of study : 1966
End year of study : 1969
Principal publication year: 1970
Reference ID of principal publication: WYNDER1970
Number of lung cancer cases: 350
Number of controls/at risk: 552

Study design Study type : case/control
Type of controls (for CC studies): diseased/hospital
Control diseases/causes of death: No known tobacco related disease
Type of population : general population
Cases have full (100%) histological confirmation: present
Histological confirmation of cases: Full
Extent of histological confirmation in cases (%): 100
Cases and controls matched on sex: present
Cases and controls matched on age (CC): present
Comments : Controls were sex- and age-matched to female cases and to male KI cases, but not to male KII cases. Information taken from hospital records

Results presented (current db) Results presented by histological type: present
Results presented for ex-smokers: present
Results presented for current smokers: present
Results presented for ever smokers: present
Results presented by cigarette type: present
Results for pipe+cigar smokers, not separately: present
Results presented by amount smoked: present
Definition of type of pipe: Western pipe
Definition of ex-smoker: gave up >10 years
Comments : Results by histological type are described as Kreyberg 1 (squamous and oat cell) and Kreyberg 2 (glandular), but other papers suggest that Wynder did use the conventional wider definitions of these types (e.g. HIGGIN1988A). There were no female smokers of pipes/cigars. Results for males for pipe and cigar smoking separately (text page 2225 of WYNDER1970) appear incompatible with those entered for pipe and/or cigar smoking from Table 1

Other smoking/
tob rel
results Results presented by years since stopped smoking: present

Confounders considered Total number of confounders considered: 1
Results presented adjusted for aspects of smoking: 1

WYNDE4 Study description

Study title : Wynder 4
 Full study title : US 8 state CC study 1948-50
 Study overlap/links: None
 Study sex : both
 Lowest age in study : 1
 Highest age in study (at baseline): 99
 Study race : all (in country)
 Continent : NAmerica
 Country in N America: USA
 US state : multi (not all)
 Start year of study : 1948
 End year of study : 1950
 Principal publication year: 1950
 Reference ID of principal publication: WYNDER1950
 Number of lung cancer cases: 684
 Number of controls/at risk: 1332
 Comments : Results from WYNDER1954 based on more cases but same controls have not been entered

Study design

Study type : case/control
 Type of controls (for CC studies): diseased/hospital
 Control diseases/causes of death: Patients without cancer of the lung
 Type of population : general population
 Any proxy use : present
 Proxy use in cases (%): 2
 Marked diff in proxy use for cases v controls: present
 Cases and controls from different hospitals: present
 Cases and controls different interview setting: present
 Histological confirmation of cases: Partial
 Comments : Study years are best guesses using the information given. 5% of cases completed postal questionnaire, 2% of cases were proxy interviews; other cases and all controls were personal interviews. Age range of cases unrestricted, but were all in range 30-80, and controls were restricted to this range

Results presented (current db)

Results presented by histological type: present
 Results presented for ever smokers: present
 Results for pipe+cigar smokers, not separately: present
 Results presented by amount smoked: present
 Definition of type of pipe: Western pipe

Confounders considered

Total number of confounders considered: 2
 Results presented adjusted for age: 1
 Results presented adj for socioeconomic status: 1

WYNDE5 Study description

Study title : Wynder 5
 Full study title : US 4 city CC study 1969-76
 Study overlap/links: WYNDE5/6/7/8
 Study sex : both
 Lowest age in study : 1
 Highest age in study (at baseline): 99
 Study race : all (in country)
 Continent : NAmerica
 Country in N America: USA
 US state : multi (not all)
 Start year of study : 1969
 End year of study : 1976
 Principal publication year: 1979
 Reference ID of principal publication: WYNDER1979
 Number of lung cancer cases: 1365
 Number of controls/at risk: 9547
 Comments : Also WYNDER1977A. Time period is subset of WYNDE6 - see that study for general results. Only F/P results entered here relevant to 1969-1976; F/P results entered as WYNDE6 relate to 1977-1995, so no actual overlap

WYNDE5
(continued)

Study design	Study type : case/control Type of controls (for CC studies): diseased/hospital Control diseases/causes of death: Non smoking related diseases Type of population : general population Cases have full (100%) histological confirmation: present Histological confirmation of cases: Full Extent of histological confirmation in cases (%): 100 Response rate for cases (%): 93 Comments : Results taken from WYNDE1977A use 3350 controls group matched (sex, age, race, city) to cases for 6 cancer sites
Results presented (current db)	Results presented by histological type: present Results presented for current smokers: present Results presented by cigarette type: present Results presented by amount smoked: present Comments : Results for ever, ex and pipe/cigar not entered due to overlap - see WYNDE6
Other smoking/tob rel results	Results presented by time of plain-filter switch: present
Other non-smok-rel results	Results presented for other diseases: present
Confounders considered	Total number of confounders considered: 3 Results presented adjusted for age: 1 Results presented adjusted for aspects of smoking: 2
WYNDE6 Study description	Study title : Wynder 6 Full study title : US 4 city CC study 1969-96 Study overlap/links: WYNDE5/6/7/8 Study sex : both Lowest age in study : 1 Highest age in study (at baseline): 99 Study race : all (in country) Continent : N America Country in N America: USA US state : multi (not all) Start year of study : 1969 End year of study : 1996 Principal publication year: 1993 Reference ID of principal publication: HARRIS1993 Number of lung cancer cases: 4423 Number of controls/at risk: 4171 Comments : Also STELLM1997A, WYNDER1973B, HALL1984B, HIGGIN1988A, WYNDER1988A, AUGUST1989, BOFFET1989, ZANG1992, KABAT1992A, MORABI1991, MORABI1996A, ZANG1996, MUSCAT1997A, STELLM1997, MUSCAT1998, MUSCAT1995D, MORABI1998A, WYNDER1972, WYNDER1972A, WYNDER1972B, WYNDER1984A, WYNDER1986B, AUGUST1988A, BOFFET1990, KABAT1991A, KABAT1994C, MUSCAT1995 and KABAT1996. Results on specific topics based on subsets of this study have been entered separately (because they use shorter time span, different controls etc): WYNDE7 - pipe/cigar from HIGGIN1988; WYNDE8 - menthol from KABAT1991; F/P results entered here relate to 1977-95 from STELLM1997A, so no direct overlap with earlier F/P (1969-76) entered as WYNDE5

WYNDE6
(continued)

Study design	Study type : case/control Type of controls (for CC studies): diseased/hospital Control diseases/causes of death: Non tobacco related disease Type of population : general population Cases have full (100%) histological confirmation: present Histological confirmation of cases: Full Extent of histological confirmation in cases (%): 100 Cases and controls matched on sex: present Cases and controls matched on age (CC): present Cases and controls matched on race (CC): present Cases and controls matched on other (not sex/a/r): present Comments : Controls frequency matched by sex, race, age and year of interview
Results presented (current db)	Results presented by histological type: present Results presented for ex-smokers: present Results presented for current smokers: present Results presented for ever smokers: present Results presented by cigarette type: present Results for pipe+cigar smokers, not separately: present Results presented by amount smoked: present More detailed results available (re current db): present Definition of type of pipe: Western pipe Definition of ex-smoker: gave up >1 year Comments : More detail is available on large-cell in MUSCAT1997A
Other smoking/ tob rel results	Results presented by tar level: present Results presented by inhalation level: present Results presented by age of starting to smoke: present Results presented by duration of smoking: present Results presented by pack-years: present Results presented by years since stopped smoking: present Results presented by time of plain-filter switch: present Results presented by change in amount smoked: present Results presented for chewing tobacco use: present Results presented for snuff use: present Results presented by fraction length smoked: present Mention of ETS (including in never smokers): present Results presented by time after waking: present
Other non-smok-rel results	Results presented for other diseases: present Results presented by risky occupational exposure: present Results pres by anthropometric factors (eg BMI): present Results presented by pet bird keeping: present
Confounders considered	Total number of confounders considered: 3 Results presented adjusted for age: 1 Results presented adjusted for educational level: 1 Results presented adjusted for aspects of smoking: 1

WYNDE7 Study description

Study title : Wynder 7
 Full study title : US 6 city CC study 1977-84
 Study overlap/links: WYNDE5/6/7/8
 Study sex : male
 Lowest age in study : 20
 Highest age in study (at baseline): 80
 Study race : all (in country)
 Continent : NAmerica
 Country in N America: USA
 US state : multi (not all)
 Start year of study : 1977
 End year of study : 1984
 Principal publication year: 1988
 Reference ID of principal publication: HIGGIN1988
 Number of lung cancer cases: 2085
 Number of controls/at risk: 3948
 Comments : Time period is a subset of WYNDE6 - see that study for main results, especially on cigarette smoking. Results entered here concentrate on other products. Also some results for all products which do not overlap directly with WYNDE6

Study design

Study type : case/control
 Type of controls (for CC studies): diseased/hospital
 Control diseases/causes of death: Diseases other than lung cancer
 Type of population : general population
 Cases have full (100%) histological confirmation: present
 Histological confirmation of cases: Full
 Extent of histological confirmation in cases (%): 100
 Cases and controls matched on age (CC): present
 Cases and controls matched on race (CC): present
 Cases and controls matched on other (not sex/a/r): present

Results presented (current db)

Results presented by histological type: present
 Results presented for ex-smokers: present
 Results presented for current smokers: present
 Results presented for ever smokers: present
 Results presented for pipe smokers: present
 Results presented for cigar smokers: present
 Results presented by amount smoked: present
 Definition of type of pipe: Western pipe
 Definition of ex-smoker: gave up >1 year

Other smoking/tob rel results

Results presented by inhalation level: present
 Results presented by age of starting to smoke: present
 Results presented by duration of smoking: present
 Results presented by years since stopped smoking: present

WYNDE8 Study description

Study title : Wynder 8
 Full study title : US 4 city CC study 1985-90
 Study overlap/links: WYNDE5/6/7/8
 Study sex : both
 Lowest age in study : 1
 Highest age in study (at baseline): 99
 Study race : all (in country)
 Continent : NAmerica
 Country in N America: USA
 US state : multi (not all)
 Start year of study : 1985
 End year of study : 1990
 Principal publication year: 1991
 Reference ID of principal publication: KABAT1991
 Number of lung cancer cases: 1044
 Number of controls/at risk: 1324
 Comments : Subset of WYNDE6 - see that study for general results, only menthol results entered here so no actual overlap

WYNDE8

(continued)

Study design	Study type : case/control Type of controls (for CC studies): diseased/hospital Control diseases/causes of death: Conditions unassociated with smoking Type of population : general population Cases have full (100%) histological confirmation: present Histological confirmation of cases: Full Extent of histological confirmation in cases (%): 100 Cases and controls matched on sex: present Cases and controls matched on age (CC): present Cases and controls matched on race (CC): present Cases and controls matched on other (not sex/a/r): present
Results presented (current db)	Results presented by histological type: present Results presented for current smokers: present Results presented by cigarette type: present Comments : Results available for amount smoked but not entered due to overlap
Other smoking/tob rel results	Results presented by duration of smoking: present
Confounders considered	Total number of confounders considered: 8 Results presented adjusted for sex: present Results presented adjusted for age: 1 Results presented adjusted for race: 1 Results presented adjusted for educational level: 1 Results presented adjusted for body mass index: 1 Results presented adjusted for aspects of smoking: 3
WYNDER Study description	Study title : Wynder 1 Full study title : Cuba Havana CC study 1956-57 Study overlap/links: None Study sex : both Lowest age in study : 1 Highest age in study (at baseline): 99 Study race : all (in country) Continent : SCAmerica Country in S/C America: Cuba Start year of study : 1956 End year of study : 1957 Principal publication year: 1958 Reference ID of principal publication: WYNDER1958 Number of lung cancer cases: 120 Number of controls/at risk: 434
Study design	Study type : case/control Type of controls (for CC studies): diseased/hospital Control diseases/causes of death: Excluding cancers of respiratory tract Type of population : persons receiving free care Histological confirmation of cases: Partial Extent of histological confirmation in cases (%): 20 Cases and controls matched on sex: present Cases and controls matched on age (CC): present
Results presented (current db)	Results presented for current smokers: present Results presented for pipe smokers: present Results presented for cigar smokers: present Results presented by amount smoked: present Definition of type of pipe: Western pipe Comments : Results for pipe not entered as there was only 1 pipe smoker (male, control)

XIANGZ Study description

Study title : Xiangz
 Full study title : China Yunnan tin miners cohort study 1976-87
 Study overlap/links: LUBIN/XIANGZ/QIAO
 Study sex : male
 Lowest age in study : 1
 Highest age in study (at baseline): 99
 Highest age in study at final followup: 99
 Study race : all (in country)
 Continent : Asia
 Country in Asia : China
 Start year of study : 1976
 End year of study : 1976
 Final follow up year: 1987
 Principal publication year: 1993
 Reference ID of principal publication: XIANGZ1993
 Number of lung cancer cases: 983
 Number of controls/at risk: 17143
 Comments : Overlaps with LUBIN which is a CC study starting before final followup of this prospective study; also with QIAO which is a retrospective CC study going back before the start of this prospective study

Study design

Study type : prospective
 Prospective study : present
 Type of population : employed-specific industry/ies
 Histological confirmation of cases: Diagnosis (checking unknown)
 Comments : Only males analysed. Workers at 5 main mining units.

Results presented (current db)

Results presented for ever smokers: present
 Results presented for pipe smokers: present
 Definition of type of pipe: Bamboo, water or long stem

Other non-smok-rel results

Results presented by risky occupational exposure: present

Confounders considered

Total number of confounders considered: 2
 Results presented adjusted for age: 1
 Results presented adjusted for risky occupation: 1

No abnormalities were found in any of the other cards examined

XU Study description

Study title : Xu 1
 Full study title : China Shenyang CC study 1985-87
 Study overlap/links: None
 Study sex : male
 Lowest age in study : 30
 Highest age in study (at baseline): 69
 Study race : all (in country)
 Continent : Asia
 Country in Asia : China
 Start year of study : 1985
 End year of study : 1987
 Principal publication year: 1989
 Reference ID of principal publication: XU1989
 Number of lung cancer cases: 729
 Number of controls/at risk: 788
 Comments : Also XU1991A, XU1996B, YU1996A, LIU1992. Female part of this study not entered here because it is a subset of WUWILL study

XU

(continued)

Study design Study type : case/control
 Type of controls (for CC studies): healthy
 Type of population : general population
 Cases and controls different interview setting: present
 Histological confirmation of cases: Partial
 Extent of histological confirmation in cases (%): 58
 Response rate for cases (%): 95
 Response rate for controls (%): 100
 Cases and controls matched on age (CC): present
 Comments : Frequency matched on age

Results presented (current db) Results presented for ever smokers: present

Other smoking/tob rel results Results presented by duration of smoking: present
 Results presented by/for ETS in all/active smokers: present
 Mention of ETS (including in never smokers): present
 Comments : Duration x number smoked, for all LC and by histology, but no CIs, so cannot usefully combine

Confounders considered Total number of confounders considered: 2
 Results presented adjusted for age: 1
 Results presented adjusted for educational level: 1

 No abnormalities were found in any of the other cards examined

XU2

Study description Study title : Xu 2
 Full study title : China Anshan Iron-Steel workers CC study 1987-93
 Study overlap/links: None
 Study sex : both
 Lowest age in study : 30
 Highest age in study (at baseline): 70
 Study race : all (in country)
 Continent : Asia
 Country in Asia : China
 Start year of study : 1987
 End year of study : 1993
 Principal publication year: 1996
 Reference ID of principal publication: XU1996A
 Number of lung cancer cases: 610
 Number of controls/at risk: 959
 Comments : Also XU1996B

Study design Study type : case/control
 Type of controls (for CC studies): healthy + decedents
 Control diseases/causes of death: all
 Type of population : employed-specific industry/ies
 Any proxy use : present
 Proxy use in cases (%): 30
 Proxy use in controls (%): 5
 Marked diff in proxy use for cases v controls: present
 Cases and controls different interview setting: present
 Histological confirmation of cases: Partial
 Response rate for cases (%): 96
 Response rate for controls (%): 94
 Cases and controls matched on sex: present
 Cases and controls matched on age (CC): present
 Comments : Worked for 10 years at Iron-steel complex. Frequency matched on age and sex to lung and stomach cancers

Results presented (current db) Results presented for ever smokers: present

XU2

(continued)

Other smoking/
tob rel
results Results presented by pack-years: present

Other
non-smok-rel
results Results presented for other diseases: present

Confounders
considered Total number of confounders considered: 7
Results presented adjusted for age: 1
Results presented adj for socioeconomic status: 1
Results presented adjusted for educational level: 1
Results presented adjusted for dietary factors: 1
Results presented adj for non-alcoholic drinks: 1
Results presented adjusted for family hist lung ca: 1
Results presented by medical history: 1

XU3

Study
description Study title : Xu 3
Full study title : China Tianjin CC study 1981
Study overlap/links: None
Study sex : both
Lowest age in study : 1
Highest age in study (at baseline): 99
Study race : all (in country)
Continent : Asia
Country in Asia : China
Start year of study : 1981
End year of study : 1981
Principal publication year: 1983
Reference ID of principal publication: XU1983
Number of lung cancer cases: 135
Number of controls/at risk: 135
Comments : Also YU1996A

Study design Study type : case/control
Type of controls (for CC studies): diseased/hospital
Control diseases/causes of death: Inpatients (surgical, not chest hosp)
Type of population : general population
Cases and controls from different hospitals: present
Histological confirmation of cases: Partial
Extent of histological confirmation in cases (%): 90
Response rate for cases (%): 100
Response rate for controls (%): 100
Cases and controls matched on sex: present
Cases and controls matched on age (CC): present
Cases and controls matched on race (CC): present
Cases and controls matched on other (not sex/a/r): present
Comments : Assume all ages. Adjusted by race, but elsewhere says restricted to Han nationality

Results
presented
(current db) Results presented by histological type: present
Results presented for ever smokers: present
Results presented by amount smoked: present

Confounders
considered Total number of confounders considered: 1
Results presented adjusted for age: 1
Comments : Adjustment not stated in Tables 2,4 of XU1983, assumed same as Table 5, i.e.
by age

No abnormalities were found in any of the other cards examined

XU4	Study description	Study title : Xu 4 Full study title : China 26 city air pollution CC study Study overlap/links: None Study sex : both Study race : all (in country) Continent : Asia Country in Asia : China Principal publication year: 1984 Reference ID of principal publication: YU1996A Number of lung cancer cases: 206 Number of controls/at risk: 206 Comments : Also XU1984 (missing)
	Study design	Study type : case/control Type of controls (for CC studies): unstated Cases and controls matched on sex: present Cases and controls matched on age (CC): present Cases and controls matched on other (not sex/a/r): present
	Results presented (current db)	Results presented for ever smokers: present No abnormalities were found in any of the other cards examined
YAMAGU	Study description	Study title : Yamaguchi Full study title : Japan occupational CC study 1989-90 Study overlap/links: None Study sex : both Lowest age in study : 1 Highest age in study (at baseline): 99 Study race : all (in country) Continent : Asia Country in Asia : Japan Start year of study : 1989 End year of study : 1990 Principal publication year: 1992 Reference ID of principal publication: YAMAGU1992A Number of lung cancer cases: 144 Number of controls/at risk: 676
	Study design	Study type : case/control Type of controls (for CC studies): diseased/hospital Control diseases/causes of death: Diseases other than lung cancer Type of population : general population Cases have full (100%) histological confirmation: present Histological confirmation of cases: Full Extent of histological confirmation in cases (%): 100 Response rate for cases (%): 95 Response rate for controls (%): 100 Cases and controls matched on sex: present Cases and controls matched on age (CC): present Cases and controls matched on other (not sex/a/r): present
	Results presented (current db)	Results presented for ex-smokers: present Results presented for current smokers: present Results presented for ever smokers: present Results presented by amount smoked: present Definition of ex-smoker: gave up >2 years
	Other non-smok-rel results	Results presented by risky occupational exposure: present
	Confounders considered	Total number of confounders considered: 1 Results presented adjusted for risky occupation: 1

YONG	Study description	Study title : Yong Full study title : US NHANES I - NHEFS cohort study 1971-92 Study overlap/links: None Study sex : both Lowest age in study : 25 Highest age in study (at baseline): 74 Highest age in study at final followup: 95 Study race : all (in country) Continent : NAmerica Country in N America: USA US state : all Start year of study : 1971 End year of study : 1975 Final follow up year: 1992 Principal publication year: 1997 Reference ID of principal publication: YONG1997 Number of lung cancer cases: 216 Number of controls/at risk: 9042 Comments : Also ENSTRO1999B
	Study design	Study type : prospective Prospective study : present Type of population : general population Histological confirmation of cases: Death certificate (unchecked) Comments : Pregnant/breastfeeding women excluded. Initial response rate unknown, but cohort analysed represents 64% of original cohort after exclusion of subjects without full smoking/dietary/followup data. Results presented by ENSTRO1999B refer to a subset of 89 cases/6905 at risk
	Results presented (current db)	Results presented for ex-smokers: present Results presented for current smokers: present Results presented for ever smokers: present Definition of ex-smoker: unspecified
	Other smoking/tob rel results	Results presented by pack-years: present
	Other non-smok-rel results	Results presented by dietary factors: present
	Confounders considered	Total number of confounders considered: 1 Results presented adjusted for age: 1
YUAN	Study description	Study title : Yuan Full study title : China Shanghai cohort study 1986-93 Study overlap/links: None Study sex : male Lowest age in study : 45 Highest age in study (at baseline): 64 Highest age in study at final followup: 72 Study race : all (in country) Continent : Asia Country in Asia : China Start year of study : 1986 End year of study : 1989 Final follow up year: 1993 Principal publication year: 1996 Reference ID of principal publication: YUAN1996 Number of lung cancer cases: 142 Number of controls/at risk: 18244

ZHANG
(continued)

Confounders considered Total number of confounders considered: 7
 Results presented adjusted for age: 1
 Results presented adjusted for occupation (gen): 1
 Results presented adjusted for cooking/heating: 2
 Results presented adjusted for family hist lung ca: 1
 Results presented by medical history: 2

No abnormalities were found in any of the other cards examined

ZHENG Study description Study title : Zheng
 Full study title : China Shanghai CC study 1982-84
 Study overlap/links: None
 Study sex : both
 Study race : all (in country)
 Continent : Asia
 Country in Asia : China
 Start year of study : 1982
 End year of study : 1984
 Principal publication year: 1986
 Reference ID of principal publication: ZHENG1986
 Number of lung cancer cases: 540
 Number of controls/at risk: 540
 Comments : Also YU1996A, LIU1992 and LIU1987A(missing)

Study design Study type : case/control
 Type of controls (for CC studies): diseased/hospital
 Control diseases/causes of death: Non-smoking associated diseases
 Type of population : general population
 Cases have full (100%) histological confirmation: present
 Histological confirmation of cases: Full
 Extent of histological confirmation in cases (%): 100
 Cases and controls matched on sex: present
 Cases and controls matched on age (CC): present
 Cases and controls matched on other (not sex/a/r): present

Results presented (current db) Results presented by histological type: present
 Results presented for ever smokers: present
 Results presented by amount smoked: present

Other smoking/tob rel results Results presented by age of starting to smoke: present
 Results presented by duration of smoking: present

No abnormalities were found in any of the other cards examined

ZHOU Study description Study title : Zhou
 Full study title : China Medical Univ CC study 1978-94
 Study overlap/links: None
 Study sex : both
 Lowest age in study : 1
 Highest age in study (at baseline): 99
 Study race : all (in country)
 Continent : Asia
 Country in Asia : China
 Start year of study : 1978
 End year of study : 1994
 Principal publication year: 1994
 Reference ID of principal publication: ZHOU1994
 Number of lung cancer cases: 1360
 Number of controls/at risk: 116

ZHOU
(continued)

Study design Study type : case/control
 Type of controls (for CC studies): diseased/hospital
 Control diseases/causes of death: no malignant disease
 Type of population : general population
 Cases and controls different vital status: present
 Histological confirmation of cases: Partial
 Extent of histological confirmation in cases (%): 76
 Response rate for cases (%): 100
 Comments : Histologic confirmation (76%) excludes 21 cases apparently confirmed but not
 allocated to the 4 main types

Results
 presented Results presented by histological type: present
 (current db) Results presented for ever smokers: present
 Results presented by amount smoked: present

Other smoking/
 tob rel Results presented by duration of smoking: present
 results Results presented by pack-years: present