

Appendix EStudy data for the 190 studies

ADDOYO	Study description	Study title : Addo-Yobo Full study title : Kumasi paediatric clinic CC (ca 1999?) Study sex : both Lowest age in study : 8 Highest age in study (at baseline): 17 Study race : all (in country) Continent : Africa Country in Africa : Ghana Location within country: Kumasi Start year of study : not assessable End year of study : not assessable Principal publication year: 2001 Reference ID of principal publication: ADDOYO2001 Overlap: none Principal/subsidiary study: Principal REF group : ADDOYO
	Study design	Study type : case/control Type of controls (for CC studies): healthy Type of population : all in given hosp/clinic(s) Type of population - controls (if diff from cases): rndm at gvn schls no resp symp Respondent : Child Child smokes : No mention Standard questionnaire: ATS/NHLI/ESP
	Asthma	Current asthma available: present Source of current asthma diagnosis: Medical records Timing of current asthma: last n months (12<=n<24) Description of current asthma: attending asthma clinic with phys diag asthma, use of anti-asthma medication and symptoms (cough and/or wheeze) in last 12m Number of current asthma cases: 50 Total number of subjects: 100
	Matching factors	Cases and controls matched on sex: present Cases and controls matched on age (CC): present
	Confounders considered	Total number of adjustment factors used: 4 Adjusted for location within study: 1 Adjusted for household composition: 1 Adjusted for child other medical history/symptoms: 2 Other confounders considered but rejected: present Comments : Adjustment for CMED(8=sensitivity to allergens), FMED(5), COHE, HOCO, PETS, ALGN(2) were rejected from step-wise MLR due to lack of significance
	Derived 1 - RRs available	Number of RRs : 2 Household exposure RRs: 2
AGABI1	Study description	Study title : Agabiti 1 Full study title : SIDRIA 10 regions schools CS 1994-95 - children (SIDRIA = Studi Italiani sui Disturbi Respiratori nell'Infanzia e l'Ambiente) Study sex : both Lowest age in study : 6 Highest age in study (at baseline): 7 Study race : all (in country) Continent : WEurope/Scandinavia Country in W Europe : Italy Location within country: 10 regions in northern and central Italy Start year of study : 1994 End year of study : 1995 Principal publication year: 1999 Reference ID of principal publication: AGABIT1999 Reference ID of additional publication(s): SIDRIA1998, SIDRIA1997, RUSCON1999 Overlap: none Principal/subsidiary study: Principal REF group : AGABI1
	Study design	Study type : case/control Type of controls (for CC studies): healthy Type of population : random schoolchildren Type of population - controls (if diff from cases): no resp symptms or hist asthma Respondent : Parent Child smokes : Assumed no smokers Standard questionnaire: ISAAC Comments : Conducted as a cross-sectional survey but analysed as a case-control, excluding subjects with respiratory symptoms or past history of asthma

AGABI1
(continued)

Asthma Current asthma available: present
Source of current asthma diagnosis: Parent report (other/uns/mix)
Timing of current asthma: last n months (12<=n<24)
Description of current asthma: history of asthma with wheezing in last 12m
Number of current asthma cases: 969
Total number of subjects: 15890

Confounders considered Total number of adjustment factors used: 15
Adjusted for sex : present
Adjusted for age : 1
Adjusted for location within study: 1
Adjusted for type of respondent: 1
Adjusted for family (parent/sibl) medical history: 1
Adjusted for SES (inc parental education): 1
Adjusted for cooking/heating methods: 2
Adjusted for damp/mould in home: 1
Adjusted for housing quality/age/size: 1
Adjusted for maternal smoking in pregnancy: 2
Adjusted for parental smoking current/since birth: 2
Adjusted for household ETS exposure: 1

Other results (not current db) Other definitions of asthma available: present Results available for past asthma (i.e. history of asthma but no symptoms in last 12m)
Wheezing/wheezing bronchitis available: present Results available for current wheeze not labelled as asthma; transient early wheezing; persistent wheezing; wheezing of late onset
Results by other stratifying factors available: present Results for maternal smoking available stratified by parental asthma

Derived 1 - RRs available Number of RRs : 75
Parental exposure RRs: 62
Household exposure RRs: 1
In utero x parent exposure combination RRs: 12

AGABI2 Study description Study title : Agabiti 2
Full study title : SIDRIA 10 regions schools CS 1994-95 - adolsecents (SIDRIA = Studi Italiani sui Disturbi Respiratori nell'Infanzia e l'Ambiente)
Study sex : both
Lowest age in study : 13
Highest age in study (at baseline): 14
Study race : all (in country)
Continent : WEurope/Scandinavia
Country in W Europe : Italy
Location within country: 10 regions in northern and central Italy
Start year of study : 1994
End year of study : 1995
Principal publication year: 1999
Reference ID of principal publication: AGABIT1999
Reference ID of additional publication(s): SIDRIA1998
Overlap: none
Principal/subsidiary study: Principal
REF group : AGABI2

Study design Study type : case/control
Type of controls (for CC studies): healthy
Type of population : random schoolchildren
Type of population - controls (if diff from cases): no resp symptms or hist asthma
Respondent : Parent
Child smokes : Smokers incl and adjusted for
Standard questionnaire: ISAAC
Comments : Conducted as a cross-sectional survey but analysed as a case-control, excluding subjects with respiratory symptoms or past history of asthma

Asthma Current asthma available: present
Source of current asthma diagnosis: Parent report (other/uns/mix)
Timing of current asthma: last n months (12<=n<24)
Description of current asthma: history of asthma with wheezing in last 12m
Number of current asthma cases: 1306
Total number of subjects: 16445

AGABI2
(continued)

Confounders considered	Total number of adjustment factors used: 16 Adjusted for sex : present Adjusted for age : 1 Adjusted for location within study: 1 Adjusted for type of respondent: 1 Adjusted for family (parent/sibl) medical history: 1 Adjusted for SES (inc parental education): 1 Adjusted for cooking/heating methods: 2 Adjusted for damp/mould in home: 1 Adjusted for housing quality/age/size: 1 Adjusted for child active smoking: 1 Adjusted for maternal smoking in pregnancy: 2 Adjusted for parental smoking current/since birth: 2 Adjusted for household ETS exposure: 1
Other results (not current db)	Other definitions of asthma available: present Results available for past asthma (i.e. history of asthma but no symptoms in last 12m) Wheezing/wheezing bronchitis available: present Results available for current wheeze not labelled as asthma; transient early wheezing; persistent wheezing; wheezing of late onset Results by other stratifying factors available: present Results for maternal smoking available stratified by parental asthma
Derived 1 - RRs available	Number of RRs : 75 Parental exposure RRs: 62 Household exposure RRs: 1 In utero x parent exposure combination RRs: 12
AKCAKA Study description	Study title : Akcakaya Full study title : Istanbul schools CS 1996-97 Study sex : both Lowest age in study : 6 Highest age in study (at baseline): 15 Study race : all (in country) Continent : EEurope/Balkans Country in E Europe/Balkans: Turkey Location within country: 3 districts of Istanbul Start year of study : 1996 End year of study : 1997 Principal publication year: 2000 Reference ID of principal publication: AKCAKA2000 Overlap: none Principal/subsidiary study: Principal REF group : AKCAKA
Study design	Study type : cross-sectional Type of population : all in given school(s) Respondent : Parent Child smokes : No mention Standard questionnaire: ISAAC
Asthma	Lifetime/incidence/unspec asthma available: present Source of lifetime asthma diagnosis: Parent report (physician diag) Timing of lifetime asthma: Lifetime Timing of incidence asthma: NA (prevalence analysis only) Description of lifetime asthma: asthma Number of lifetime asthma cases: 92 Total number of subjects: 2276
Other results (not current db)	Wheezing/wheezing bronchitis available: present Results available for ever wheezed. It is also stated that passive smoking was found not to be associated with any allergic disease, which included wheeze in last 12m; 4+ wheezing attacks in last 12m; frequent nocturnal wheeze; and exercise induced wheeze
Derived 1 - RRs available	Number of RRs : 1 Household exposure RRs: 1

ALBA	Study description	Study title : Alba Full study title : Barcelona primary care CC 1993 Study sex : both Lowest age in study : 0 Highest age in study (at baseline): 13 Study race : all (in country) Continent : WEurope/Scandinavia Country in W Europe : Spain Location within country: Sanfeliu (Barcelona) Start year of study : 1993 End year of study : 1993 Principal publication year: 1996 Reference ID of principal publication: ALBA1996 Overlap: none Principal/subsidiary study: Principal REF group : ALBA
	Study design	Study type : case/control Type of controls (for CC studies): healthy Type of population : all at given primary care(s) Other exclusions : no home telephone Respondent : Parent Child smokes : No mention Standard questionnaire: Non std/NA/NK
	Asthma	Lifetime/incidence/unspec asthma available: present Source of lifetime asthma diagnosis: Medical records Timing of lifetime asthma: Lifetime Timing of incidence asthma: NA (prevalence analysis only) Description of lifetime asthma: asthma (= 3+ episodes of bronchospasm, but excluding aspiration of foreign body and bronchiolitis) Number of lifetime asthma cases: 102 Total number of subjects: 204
	Matching factors	Cases and controls matched on sex: present Cases and controls matched on age (CC): present
	Other results (not current db)	Other exposures available: present Results available for family members smoke (as well as smoke in home which has been entered)
	Derived 1 - RRs available	Number of RRs : 2 Parental exposure RRs: 1 Household exposure RRs: 1
ALDAWO	Study description	Study title : Al-Dawood Full study title : Al-Khobar City schoolboy CS (ca 1999?) Study sex : male Lowest age in study : 6 Highest age in study (at baseline): 15 Study race : all (in country) Continent : Asia Country in Asia : Saudi Arabia Location within country: Al-Khobar City Start year of study : not assessable End year of study : not assessable Principal publication year: 2000 Reference ID of principal publication: ALDAWO200 Reference ID of additional publication(s): ALDAWO2001B Overlap: none Principal/subsidiary study: Principal REF group : ALDAWO
	Study design	Study type : cross-sectional Type of population : random schoolchildren Other exclusions : non-nationals, not local residents Respondent : Parent Child smokes : No mention Standard questionnaire: MRC

ALDAWO
(continued)

Asthma Lifetime/incidence/unspec asthma available: present
Source of lifetime asthma diagnosis: Parent report (other/uns/mix)
Timing of lifetime asthma: Lifetime
Timing of incidence asthma: NA (prevalence analysis only)
Description of lifetime asthma: asthma (= attacks of wheezing with SOB and breathing
normal between attacks)
Number of lifetime asthma cases: 141
Total number of subjects: 1482

Derived 1 - Number of RRs : 3
RRs available Parental exposure RRs: 2
Household exposure RRs: 1

ALFRA1 Study Study title : Al Frayh 1
description Full study title : Jeddah & Damman population CS 1986-89
Study sex : both
Lowest age in study : 7
Highest age in study (at baseline): 12
Study race : all (in country)
Continent : Asia
Country in Asia : Saudi Arabia
Location within country: Dammam, Jeddah
Start year of study : 1986
End year of study : 1989
Principal publication year: 1990
Reference ID of principal publication: ALFRAY1989
Reference ID of additional publication(s): BENER1991,ALFRAY1992
Overlap: ALFRA1/ALFRA2
Principal/subsidiary study: Principal
REF group : ALFRA1
Comments : This study conducted in 2 regions, Jeddah and Damman, overlaps
with ALFRA2 conducted in Damman and Riyadh. Some results available for all 3 regions
combined (BENER1991) not used because of apparent inconsistencies. Result from
ALFRAY1992 entered here also refers to all 3 regions

Study design Study type : cross-sectional
Type of population : random children
Other exclusions : non-Saudis
Respondent : Parent
Child smokes : No mention
Standard questionnaire: Non std/NA/NK

Asthma Lifetime/incidence/unspec asthma available: present
Source of lifetime asthma diagnosis: Parent report (physician diag)
Timing of lifetime asthma: Lifetime
Timing of incidence asthma: NA (prevalence analysis only)
Description of lifetime asthma: asthma
Number of lifetime asthma cases: 106
Total number of subjects: 1953
Comments : Diagnosis is referred to as bronchial asthma in some tables

Confounders considered Total number of adjustment factors used: 7
Adjusted for family (parent/sibl) medical history: 1
Adjusted for pets in household: 1
Adjusted for child other medical history/symptoms: 3
Adjusted for parental smoking current/since birth: 2
Other confounders considered but rejected: present
Comments : Other variables were not included in the MLR because they did
not add explanatory power, but it is not specified what variables

Other results (not current db) Other definitions of asthma available: present Results available for frequent asthma
attack (>1/m) vs infrequent (<4/y) (BENER1991)
Wheezing/wheezing bronchitis available: present Results available for wheeze
Results by other stratifying factors available: present Results available for wheeze
stratified by location

Derived 1 - Number of RRs : 5
RRs available Parental exposure RRs: 5

ALFRA2 Study description Study title : Al Frayh 2
Full study title : Riyadh & Damman population CS 1986-89
Study sex : both
Lowest age in study : 7
Highest age in study (at baseline): 12
Study race : all (in country)
Continent : Asia
Country in Asia : Saudi Arabia
Location within country: Dammam, Jeddah
Start year of study : 1986
End year of study : 1989
Principal publication year: 1990
Reference ID of principal publication: ALFRAY1990
Reference ID of additional publication(s): BENER1991, ALFRAY1992
Overlap: ALFRAL/ALFRA2
Principal/subsidiary study: Subsidiary
REF group : ALFRAL
Comments : This study conducted in 2 regions, Riyadh and Damman, overlaps with ALFRAL conducted in Damman and Jeddah. Some results available for all 3 regions combined (BENER1991) not used because of apparent inconsistencies. One results from ALFRAY1992 referring to all three regions has been entered as ALFRAL

Study design Study type : cross-sectional
Type of population : random children
Other exclusions : non-Saudis
Respondent : Parent
Child smokes : No mention
Standard questionnaire: Non std/NA/NK

Asthma Lifetime/incidence/unspec asthma available: present
Source of lifetime asthma diagnosis: Parent report (physician diag)
Timing of lifetime asthma: Lifetime
Timing of incidence asthma: NA (prevalence analysis only)
Description of lifetime asthma: asthma
Number of lifetime asthma cases: 134
Total number of subjects: 2006
Comments : Diagnosis is referred to as bronchial asthma in some tables

Other results (not current db) Wheezing/wheezing bronchitis available: present Results available for wheezy bronchitis

Derived 1 - RRs available Number of RRs : 2
Parental exposure RRs: 2

ANDRAE Study description Study title : Andrae
Full study title : Rural Sweden (Norrkoping) CS 1985
Study sex : both
Lowest age in study : 0
Highest age in study (at baseline): 16
Study race : all (in country)
Continent : WEurope/Scandinavia
Country in W Europe : Sweden
Location within country: 7 rural areas near Norrkoping
Start year of study : 1985
End year of study : 1985
Principal publication year: 1988
Reference ID of principal publication: ANDRAE1988
Overlap: none
Principal/subsidiary study: Principal
REF group : ANDRAE

Study design Study type : cross-sectional
Type of population : all children
Respondent : Parent
Child smokes : No mention
Standard questionnaire: Non std/NA/NK

ANDRAE
(continued)

Asthma Lifetime/incidence/unspec asthma available: present
Source of lifetime asthma diagnosis: Parent report (other/uns/mix)
Timing of lifetime asthma: Lifetime
Timing of incidence asthma: NA (prevalence analysis only)
Description of lifetime asthma: allergic asthma (= ever had a 'breathing problem' with heavy breathing and wheezing, and this occurs when in contact with deciduous trees, grass, flowers or furred animals)
Number of lifetime asthma cases: 264
Total number of subjects: 4990
Comments : Number of cases from %

Confounders considered Total number of adjustment factors used: 3
Adjusted for location within study: 1
Adjusted for SES (inc parental education): 1
Adjusted for damp/mould in home: 1

Other results (not current db) Other definitions of asthma available: present Results available for birch pollen induced asthma
Results by other stratifying factors available: present Results available stratified for dampness in house

Derived 1 - RRs available Number of RRs : 2
Parental exposure RRs: 2

ANNESI Study description Study title : Annesi-Maesano
Full study title : Children with parent born 1958 CS 1991
Study sex : both
Lowest age in study : 1
Highest age in study (at baseline): 18
Study race : all (in country)
Continent : WEurope/Scandinavia
Country in W Europe : UK
Location within country: nationwide
Start year of study : 1991
End year of study : 1991
Principal publication year: 2001
Reference ID of principal publication: ANNESI2001
Overlap: none
Principal/subsidiary study: Principal
REF group : ANNESI
Comments : This study includes children with a parent in study KAPLAN

Study design Study type : cross-sectional
Type of population : all chld rndm parent NCDS
Other exclusions : restricted to children with a parent born 1958 who participated in the National Child Development Study (NCDS)
Respondent : Parent
Child smokes : No mention
Standard questionnaire: ISAAC

Asthma Lifetime/incidence/unspec asthma available: present
Source of lifetime asthma diagnosis: Parent report (other/uns/mix)
Timing of lifetime asthma: Lifetime
Timing of incidence asthma: NA (prevalence analysis only)
Description of lifetime asthma: ever had attacks of asthma
Number of lifetime asthma cases: 419
Total number of subjects: 4153
Comments : Number of cases based on %, may be subject to rounding error

Derived 1 - RRs available Number of RRs : 2
Parental exposure RRs: 2

ARSHAD Study description Study title : Arshad
 Full study title : Isle of Wight allergen avoidance prosp 1990-1995
 Study sex : both
 Lowest age in study : 0
 Highest age in study (at baseline): 0
 Highest age in study at final followup: 4
 Study race : all (in country)
 Continent : WEurope/Scandinavia
 Country in W Europe : UK
 Location within country: Isle of Wight
 Start year of study : 1990
 End year of study : 1991
 Final follow up year: 1995
 Principal publication year: 1992
 Reference ID of principal publication: ARSHAD1992A
 Reference ID of additional publication(s): HIDE1994, HIDE1996
 Overlap: none
 Principal/subsidiary study: Principal
 REF group : ARSHAD

Study design Study type : prospective
 Type of population : all gvn hosp high allergy risk
 Medical exclusions : restricted to subjects with high allergy risk
 Respondent : Parent
 Child smokes : No mention
 Standard questionnaire: Non std/NA/NK
 Comments : Subjects were prenatally allocated to groups with either restricted exposure to potential allergens (food/house dust mite) or unrestricted

Asthma Current asthma available: present
 Repeat measures for current asthma: present
 Source of current asthma diagnosis: Medical records
 Timing of current asthma: current NOS
 Description of current asthma: asthma (= 3+ separate episodes of cough & wheeze)
 Number of current asthma cases: 36
 Total number of subjects: 285

Confounders considered Total number of adjustment factors used: 10
 Adjusted for sex : present
 Adjusted for family (parent/sibl) medical history: 3
 Adjusted for SES (inc parental education): 1
 Adjusted for pets in household: 1
 Adjusted for exposure to food/housedust allergens: 1
 Adjusted for child other medical history/symptoms: 1
 Adjusted for parental smoking current/since birth: 2

Derived 1 - RRs available Number of RRs : 7
 Parental exposure RRs: 7

AZIZI Study description Study title : Azizi
 Full study title : Kuala Lumpur hospital CC 1989-90
 Study sex : both
 Lowest age in study : 0
 Highest age in study (at baseline): 5
 Study race : all (in country)
 Continent : Asia
 Country in Asia : Malaysia
 Location within country: Kualar Lumpur
 Start year of study : 1989
 End year of study : 1990
 Principal publication year: 1995
 Reference ID of principal publication: AZIZI1995
 Overlap: none
 Principal/subsidiary study: Principal
 REF group : AZIZI

Study design Study type : case/control
 Type of controls (for CC studies): diseased/hospital
 Control diseases/cause of death: nonrespiratory disease
 Type of population : all hosp/clinic patients
 Medical exclusions : acute bronchiolitis, pneumonia, stridor, chronic and surgical respiratory conditions, heart disease, acute and chronic renal failure, oncological disorders, tuberculosis, immunological disorders, gross malnutrition
 Type of population - controls (if diff from cases): no resp symtms or hist asthma
 Respondent : Parent
 Child smokes : No mention
 Standard questionnaire: Non std/NA/NK

AZIZI
(continued)

Asthma Current asthma available: present
 Current asthma is first occurrence: present
 Source of current asthma diagnosis: Medical records
 Timing of current asthma: current diagnosis
 Description of current asthma: asthma (diagnosed if there was previous history of wheezing, and clinical findings and subsequent progress did not suggest other diagnosis)
 Number of current asthma cases: 158
 Total number of subjects: 359

Matching factors Cases and controls matched on age (CC): present
 Matched on hospital admission (ward, date etc): present

Other results (not current db) Other exposures available: present Results available for sharing bedroom with an adult smoker

Derived 1 - RRs available Number of RRs : 1
 Parental exposure RRs: 1 [See Addendum p. 97 of Report I]

BALL Study description Study title : Ball
 Full study title : Tucson newborns 1980-84 PS to 1997
 Study sex : both
 Lowest age in study : 0
 Highest age in study (at baseline): 0
 Highest age in study at final followup: 13
 Study race : all (in country)
 Continent : NAmerica
 Country in N America: USA
 US state : Nev,Ut,Ariz
 Location within country: Tucson (Arizona)
 Start year of study : 1980
 End year of study : 1984
 Final follow up year: 1997
 Principal publication year: 2000
 Reference ID of principal publication: BALL2000B
 Reference ID of additional publication(s): BALL2000,TAUSSI1989,WRIGHT1989A
 Overlap: none
 Principal/subsidiary study: Principal
 REF group : BALL

Study design Study type : prospective
 Type of population : all newborns at given hosp(s)
 Medical exclusions : oxygen >6hrs, major congenital abnormalities, congenital chest or lung problems (e.g. cystic fibrosis), symptomatic congenital heart problems, severe systemic disease
 Respondent : Parent
 Child smokes : No mention
 Standard questionnaire: Non std/NA/NK

Asthma Current asthma available: present
 Repeat measures for current asthma: present
 Source of current asthma diagnosis: Parent report (other/uns/mix)
 Timing of current asthma: last n months (12<=n<24)
 Description of current asthma: phys diag asthma with exacerbation in last 12m
 Number of current asthma cases: 192
 Total number of subjects: 1035

Confounders considered Total number of adjustment factors used: 8
 Adjusted for sex : present
 Adjusted for race : 1
 Adjusted for family (parent/sibl) medical history: 2
 Adjusted for SES (inc parental education): 1
 Adjusted for household composition: 1
 Adjusted for day care: 1
 Adjusted for child other medical history/symptoms: 1

Other results (not current db) Other exposures available: present Results available for parents likelihood of quitting

Derived 1 - RRs available Number of RRs : 2
 Parental exposure RRs: 2

BARRET Study description Study title : Barreto
Full study title : Ronciglione school CS 1999
Study sex : both
Lowest age in study : 9
Highest age in study (at baseline): 11
Study race : all (in country)
Continent : WEurope/Scandinavia
Country in W Europe : Italy
Location within country: Ronciglione (central Italy)
Start year of study : 1999
End year of study : 1999
Principal publication year: 2001
Reference ID of principal publication: BARRET2001A
Overlap: none
Principal/subsidiary study: Principal
REF group : BARRET

Study design Study type : cross-sectional
Type of population : all in given school(s)
Respondent : Parent
Child smokes : No mention
Standard questionnaire: ATS/NHLI/ESP
Comments : An additional group of 15 cases drawn from a Paediatric Clinic are also reported, but have not been included here

Asthma Lifetime/incidence/unspec asthma available: present
Source of lifetime asthma diagnosis: Parent report (other/uns/mix)
Timing of lifetime asthma: Lifetime
Timing of incidence asthma: NA (prevalence analysis only)
Description of lifetime asthma: asthma
Number of lifetime asthma cases: 26
Total number of subjects: 198

Derived 1 - RRs available Number of RRs : 1
Household exposure RRs: 1

BECKETT Study description Study title : Beckett
Full study title : Connecticut family hosp CS 1993-1994
Study sex : both
Lowest age in study : 0
Highest age in study (at baseline): 17
Study race : whites (inc hispanic)
Continent : NAmerica
Country in N America: USA
US state : Vt,Me,NY,NH,Mass,RI,Conn
Location within country: 7 hospitals in Connecticut
Start year of study : 1993
End year of study : 1994
Principal publication year: 1996
Reference ID of principal publication: BECKETT1996
Overlap: none
Principal/subsidiary study: Principal
REF group : BECKETT
Comments : Only results for Whites and Hispanics have been entered for this study, to avoid overlap with VONMAF; that study includes additional hospitals and longer time period but is restricted to blacks

Study design Study type : cross-sectional
Type of population : all fam newborn deliv gvn hosp
Medical exclusions : birth complications/neonatal deaths, low birthwt
Other exclusions : non-English speakers, newborns given for adoption
Respondent : Parent
Child smokes : No mention
Standard questionnaire: Non std/NA/NK
Comments : Unit of study is the family. Eligible families were those where the mother gave birth at participating hospital, but excluding non-English speakers and those with serious medical complications, and had at least one other child. Other children (i.e. excluding the newborn) were assessed for asthma.

Asthma Lifetime/incidence/unspec asthma available: present
Source of lifetime asthma diagnosis: Parent report (physician diag)
Timing of lifetime asthma: unspecified
Timing of incidence asthma: NA (prevalence analysis only)
Description of lifetime asthma: at least one child in family with phys-diag asthma
Number of lifetime asthma cases: 485
Total number of subjects: 4534

BERGMA
(continued)

Study design	Study type : prospective Type of population : rnd newborns gvn hosp(s) Respondent : Parent Child smokes : No mention Standard questionnaire: Non std/NA/NK Comments : Subjects were 419 'high risk' (2 atopic family members and/or high cord blood IgE) newborns, and a random sample of 815 other newborns
Asthma	Current asthma available: present Repeat measures for current asthma: present Source of current asthma diagnosis: Med rec or par rep (phys diag) Timing of current asthma: current NOS Description of current asthma: asthma Number of current asthma cases: not assessable Total number of subjects: 1314 Comments : Definition of asthma is unclear. BERGMA2000 refers to lifetime prevalence 'based on physical examination and parent report' but presents results for age 3-6y (during which period children were seen annually). LAU2002 refers to 'ever physician diagnosed' (i.e. also lifetime) but presentation of results for age 7 sounds as if it refers to current asthma
Confounders considered	Total number of adjustment factors used: 8 Adjusted for sex : present Adjusted for location within study: 1 Adjusted for family (parent/sibl) medical history: 2 Adjusted for SES (inc parental education): 1 Adjusted for child other medical history/symptoms: 3 Other confounders considered but rejected: present Comments : Adjustment for HOCO and PAGE rejected from MLR due to lack of significance
Other results (not current db)	Wheezing/wheezing bronchitis available: present Results available for wheeze age <3
Derived 1 - RRs available	Number of RRs : 2 Parental exposure RRs: 1 Household exposure RRs: 1
BRABIN Study description	Study title : Brabin Full study title : 1st Merseyside primary school dust expos CS 1991 Study sex : both Lowest age in study : 5 Highest age in study (at baseline): 11 Study race : all (in country) Continent : WEurope/Scandinavia Country in W Europe : UK Location within country: 3 areas in Merseyside Start year of study : 1991 End year of study : 1991 Principal publication year: 1994 Reference ID of principal publication: BRABIN1994 Overlap: KELLY/BRABIN Principal/subsidiary study: Principal REF group : BRABIN Comments : Overlaps with study KELLY which was conducted 2 years later at the same schools but including all (rather than 50%) children. 58% of children in this study were also included in study KELLY
Study design	Study type : cross-sectional Type of population : random schoolchildren Respondent : Parent Child smokes : No mention Standard questionnaire: Non std/NA/NK
Asthma	Lifetime/incidence/unspec asthma available: present Source of lifetime asthma diagnosis: Parent report (physician diag) Timing of lifetime asthma: Lifetime Timing of incidence asthma: NA (prevalence analysis only) Description of lifetime asthma: asthma Number of lifetime asthma cases: 318 Total number of subjects: 1819

BURR Study description Study title : Burr
Full study title : South Wales valleys PS 1982 cohort to 1989
Study sex : both
Lowest age in study : 0
Highest age in study (at baseline): 0
Highest age in study at final followup: 7
Study race : all (in country)
Continent : WEurope/Scandinavia
Country in W Europe : UK
Location within country: 2 valleys in South Wales
Start year of study : 1982
End year of study : 1982
Final follow up year: 1989
Principal publication year: 1993
Reference ID of principal publication: BURR1993
Overlap: none
Principal/subsidiary study: Principal
REF group : BURR

Study design Study type : prospective
Type of population : all gyn hosp high allergy risk
Respondent : Parent
Child smokes : No mention
Standard questionnaire: Non std/NA/NK
Comments : Subjects were infants born to mothers who reported that they, their husband or children had ever had asthma, eczema or hay fever

Asthma Lifetime/incidence/unspec asthma available: present
Source of lifetime asthma diagnosis: Medical records
Timing of lifetime asthma: NA (incidence only)
Timing of incidence asthma: lifetime (recruit at birth)
Description of lifetime asthma: asthma
Number of lifetime asthma cases: 32
Total number of subjects: 453

Other results (not current db) Wheezing/wheezing bronchitis available: present Results available for wheeze ever
Results by other stratifying factors available: present Results for wheeze available stratified by atopy

Derived 1 - RRs available Number of RRs : 1
Parental exposure RRs: 1

BUTZ Study description Study title : Butz
Full study title : Pediatric practices (Baltimore?) CC 1989
Study sex : both
Lowest age in study : not assessable
Highest age in study (at baseline): not assessable
Study race : all (in country)
Continent : NAmerica
Country in N America: USA
US state : Pa,NJ,Md,WVa,Va,Del,WashDC
Location within country: metropolitan area (Baltimore?)
Start year of study : 1989
End year of study : 1989
Principal publication year: 1992
Reference ID of principal publication: BUTZ1992
Overlap: none
Principal/subsidiary study: Principal
REF group : BUTZ

Study design Study type : case/control
Type of controls (for CC studies): healthy
Type of population : primary care NOS
Medical exclusions : cystic fibrosis, rheumatoid arthritis
Respondent : Parent
Child smokes : No mention
Standard questionnaire: Non std/NA/NK
Comments : Age range unknown, average (including other diseases groups not used here) was 9.3 years

Asthma Lifetime/incidence/unspec asthma available: present
Source of lifetime asthma diagnosis: Medical records
Timing of lifetime asthma: unspecified
Timing of incidence asthma: NA (prevalence analysis only)
Description of lifetime asthma: asthma
Number of lifetime asthma cases: 102
Total number of subjects: 207

CHEN1
(continued)

Study design Study type : cross-sectional
 Type of population : all children
 Respondent : Parent
 Child smokes : No mention
 Standard questionnaire: Non std/NA/NK
 Comments : Children were age 18m

Asthma Lifetime/incidence/unspec asthma available: present
 Source of lifetime asthma diagnosis: Parent report (physician diag)
 Timing of lifetime asthma: Lifetime
 Timing of incidence asthma: NA (prevalence analysis only)
 Description of lifetime asthma: asthma
 Number of lifetime asthma cases: 78
 Total number of subjects: 2227

Derived 1 - Number of RRs : 1
 RRs available Household exposure RRs: 1 [See Addendum p. 97 of Report I]

CHEN2 Study description Study title : Chen 2
 Full study title : Humboldt town CS 1993
 Study sex : both
 Lowest age in study : 6
 Highest age in study (at baseline): 17
 Study race : all (in country)
 Continent : NAmerica
 Country in N America: Canada
 Location within country: Humboldt (Saskatchewan)
 Start year of study : 1993
 End year of study : 1993
 Principal publication year: 1996
 Reference ID of principal publication: CHEN1996A
 Overlap: none
 Principal/subsidiary study: Principal
 REF group : CHEN2

Study design Study type : cross-sectional
 Type of population : all children
 Respondent : Parent and child
 Child smokes : Smokers included
 Standard questionnaire: Non std/NA/NK
 Comments : Only children age 12+ were asked, separately, about active smoking

Asthma Lifetime/incidence/unspec asthma available: present
 Source of lifetime asthma diagnosis: Parent report (physician diag)
 Timing of lifetime asthma: Lifetime
 Timing of incidence asthma: NA (prevalence analysis only)
 Description of lifetime asthma: asthma
 Current asthma available: present
 Source of current asthma diagnosis: Parent report (physician diag)
 Timing of current asthma: last n months (12<=n<24)
 Description of current asthma: doctor said child has asthma in last 12m
 Number of lifetime asthma cases: 93
 Number of current asthma cases: 74
 Total number of subjects: 892

Confounders Total number of adjustment factors used: 6
 considered Adjusted for sex : present
 Adjusted for age : 1
 Adjusted for family (parent/sibl) medical history: 1
 Adjusted for household composition: 1
 Adjusted for housing quality/age/size: 1
 Adjusted for child other medical history/symptoms: 1

Other results Other exposures available: present Results available for total daily cigarette
 (not current consumption by household members (as well as number smoked in home which has been
 db) entered)
 Other results for child smokers available: present Results available for child
 (active) smoking (age 12+?)
 Results by other stratifying factors available: present Results available stratified
 by presence of allergy

CHEN2
(continued)

Derived 1 - Number of RRs : 52
RRs available Parental exposure RRs: 32
Household exposure RRs: 20

CHHABR Study Study title : Chhabra
description Full study title : Delhi schools CS (ca 1997?)
Study sex : both
Lowest age in study : 4
Highest age in study (at baseline): 17
Study race : all (in country)
Continent : Asia
Country in Asia : India
Location within country: Delhi
Start year of study : not assessable
End year of study : not assessable
Principal publication year: 1998
Reference ID of principal publication: CHHABR1998
Overlap: none
Principal/subsidiary study: Principal
REF group : CHHABR

Study design Study type : cross-sectional
Type of population : random schoolchildren
Respondent : Parent
Child smokes : No mention
Standard questionnaire: Non std/NA/NK

Asthma Current asthma available: present
Source of current asthma diagnosis: Parent report (other/uns/mix)
Timing of current asthma: last n months (12<=n<24)
Description of current asthma: current or probable asthmatic (= recurrent wheeze in last 12m or wheezing with exercise or wheezing with a cold)
Number of current asthma cases: 436
Total number of subjects: 2609

Derived 1 - Number of RRs : 1
RRs available Household exposure RRs: 1

CHINN Study Study title : Chinn NSHG
description Full study title : UK National Study on Health and Growth LS, 1987-88
Study sex : both
Lowest age in study : 5
Highest age in study (at baseline): 11
Study race : whites (inc hispanic)
Continent : WEurope/Scandinavia
Country in W Europe : UK
Location within country: 42 English and 14 Scottish areas
Start year of study : 1987
End year of study : 1988
Principal publication year: 1991
Reference ID of principal publication: CHINN1991
Reference ID of additional publication(s): CHINN2001
Overlap: MELIA/SOMERV/CHINN
Principal/subsidiary study: Principal
REF group : CHINN
Comments : Part of a longitudinal study of children age 5-11 in selected areas. Same areas studied in 1977 (MELIA), 1982 (SOMERV) and 1988 (part of CHINN) but have been entered separately as analysis treats them as separate cross-sectional studies. Overlap is small (e.g. 5% of children in CHINN-1988 had been in SOMERV-1982). Although not altogether clear, it seems that areas studied in 1987 and 1988 were non-overlapping, so combined results for those years are entered (CHINN)

Study design Study type : cross-sectional
Type of population : random schoolchildren
Respondent : Parent
Child smokes : Discussed, but no data avail
Standard questionnaire: Non std/NA/NK
Comments : The study also included non-whites in Scotland

CHINN
(continued)

Asthma Current asthma available: present
Source of current asthma diagnosis: Parent report (other/uns/mix)
Timing of current asthma: last n months (12<=n<24)
Description of current asthma: at least one asthma attack in last 12m
Number of current asthma cases: 689
Total number of subjects: 11981
Comments : Total sample size (and hence number of cases which is based on %)
) relates to sample responding for bronchitis, the sample for other diseases including asthma being 'slightly greater' (Table V). This appears discrepant with text page 193 where the total sample is described as 'nearly 10300'

Confounders considered Total number of adjustment factors used: 17
Adjusted for sex : present
Adjusted for age : 1
Adjusted for race : 1
Adjusted for family (parent/sibl) medical history: 2
Adjusted for parent's age: 1
Adjusted for SES (inc parental education): 4
Adjusted for household composition: 2
Adjusted for cooking/heating methods: 1
Adjusted for housing quality/age/size: 1
Adjusted for child other medical history/symptoms: 1
Adjusted for obesity/BMI: 1
Adjusted for maternal smoking in pregnancy: 1

Other results (not current db) Wheezing/wheezing bronchitis available: present Results available for chest ever wheezy of whistling; chest wheezy or whistling most days or nights
Results by other stratifying factors available: present Results for asthma available stratified by sex and location (England inner city, England representative, Scotland)

Derived 1 - RRs available Number of RRs : 1
Parental exposure RRs: 1

CLARK Study description Study title : Clark
Full study title : Southampton hospital CC (ca 1993?)
Study sex : both
Lowest age in study : 5
Highest age in study (at baseline): 7
Study race : all (in country)
Continent : WEurope/Scandinavia
Country in W Europe : UK
Location within country: Southampton
Start year of study : not assessable
End year of study : not assessable
Principal publication year: 1994
Reference ID of principal publication: CLARK1994
Overlap: none
Principal/subsidiary study: Principal
REF group : CLARK

Study design Study type : case/control
Type of controls (for CC studies): diseased/hospital
Control diseases/cause of death: surgical outpatients
Type of population : random in given hosp/clinic(s)
Respondent : Parent
Child smokes : Discussed, but no data avail
Standard questionnaire: Non std/NA/NK

Asthma Current asthma available: present
Source of current asthma diagnosis: Medical records
Timing of current asthma: current diagnosis
Description of current asthma: asthmatic attending asthma or medical clinic
Number of current asthma cases: 19
Total number of subjects: 62

Derived 1 - RRs available Number of RRs : 2
Household exposure RRs: 1
Biochemical exposure RRs: 1

CSONKA	Study description	Study title : Csonka Full study title : Tampere primary schools CS (ca 1999?) Study sex : both Lowest age in study : 6 Highest age in study (at baseline): 13 Study race : all (in country) Continent : WEurope/Scandinavia Country in W Europe : Finland Location within country: Tampere Start year of study : not assessable End year of study : not assessable Principal publication year: 2000 Reference ID of principal publication: CSONKA2000 Overlap: none Principal/subsidiary study: Principal REF group : CSONKA
	Study design	Study type : cross-sectional Type of population : random schoolchildren Respondent : Parent Child smokes : No mention Standard questionnaire: ISAAC
	Asthma	Current asthma available: present Source of current asthma diagnosis: Parent report (other/uns/mix) Timing of current asthma: last n months (12<=n<24) Description of current asthma: asthma (= at least one of: wheezy breathing; ER or hospital treatment for acute asthma; regular anti-inflammatory therapy for chronic asthma) Number of current asthma cases: 207 Total number of subjects: 1816
	Confounders considered	Total number of adjustment factors used: 5 Adjusted for family (parent/sibl) medical history: 1 Adjusted for child other medical history/symptoms: 3 Adjusted for parental smoking current/since birth: 1 Other confounders considered but rejected: present Comments : Adjustment for SEX, CMED(2) and passive smoking in last year were rejected from stepwise MLR model due to lack of significance
	Derived 1 - RRs available	Number of RRs : 5 Parental exposure RRs: 1 Household exposure RRs: 4
CUNNI1	Study description	Study title : Cunningham 1 Full study title : 24 communities air pollution schools CS 1988-90 Study sex : both Lowest age in study : 8 Highest age in study (at baseline): 11 Study race : all (in country) Continent : NAmerica Country in N America: USA and Canada US state : multi (not all) Location within country: 18 US and 6 Canadian communities Start year of study : 1988 End year of study : 1990 Principal publication year: 1996 Reference ID of principal publication: CUNNIN1996 Reference ID of additional publication(s): SPEIZE1989 Overlap: none Principal/subsidiary study: Principal REF group : CUNNI1
	Study design	Study type : cross-sectional Type of population : all schoolchildren Other exclusions : questionnaire not completed by biologic mother Respondent : Parent Child smokes : No mention Standard questionnaire: Non std/NA/NK
	Asthma	Current asthma available: present Source of current asthma diagnosis: Parent report (other/uns/mix) Timing of current asthma: last n months (12<=n<24) Description of current asthma: active diagnosed asthma (= ever diagnosed and experienced symptoms in last 12m) Number of current asthma cases: 806 Total number of subjects: 11534

DAIGLE Study Study title : Daigler
description Full study title : Springville NY pediatric practice CC 1986-87
Study sex : both
Lowest age in study : 0
Highest age in study (at baseline): not assessable
Study race : all (in country)
Continent : NAmerica
Country in N America: USA
US state : Vt,Me,NY,NH,Mass,RI,Conn
Location within country: Springville (New York)
Start year of study : 1986
End year of study : 1987
Principal publication year: 1991
Reference ID of principal publication: DAIGLE1991
Overlap: none
Principal/subsidiary study: Principal
REF group : DAIGLE

Study design Study type : case/control
Type of controls (for CC studies): healthy
Type of population : all at given primary care(s)
Respondent : Parent
Child smokes : No mention
Standard questionnaire: Non std/NA/NK
Comments : Upper age not stated, but average 6 (cases) and 3 (controls)

Asthma Current asthma available: present
Source of current asthma diagnosis: Medical records
Timing of current asthma: last n months (6<=n<12)
Description of current asthma: asthma req hospitalization or 2 primry care visits
Number of current asthma cases: 137
Total number of subjects: 383

Confounders Total number of adjustment factors used: 8
considered Adjusted for sex : present
Adjusted for age : 1
Adjusted for family (parent/sibl) medical history: 1
Adjusted for air conditioning/humidifier: 1
Adjusted for pets in household: 1
Adjusted for child other medical history/symptoms: 2
Adjusted for parental smoking current/since birth: 1
Other confounders considered but rejected: present
Comments : Adjustment for HOUS(6), COHE(5), AIRC and Paternal Smoking not entered into MLR model due to lack of significance

Derived 1 - Number of RRs : 4
RRs available Parental exposure RRs: 4

DEBENE Study Study title : De Benedetto
description Full study title : Abruzzo schools CS (ca 1993?)
Study sex : both
Lowest age in study : 6
Highest age in study (at baseline): 12
Study race : all (in country)
Continent : WEurope/Scandinavia
Country in W Europe : Italy
Location within country: 5 towns in Abruzzo region
Start year of study : not assessable
End year of study : not assessable
Principal publication year: 1994
Reference ID of principal publication: DEBENE1994
Overlap: none
Principal/subsidiary study: Principal
REF group : DEBENE

Study design Study type : cross-sectional
Type of population : school NOS
Respondent : Parent
Child smokes : No mention
Standard questionnaire: Non std/NA/NK

DEBENE
(continued)

Asthma Lifetime/incidence/unspec asthma available: present
 Source of lifetime asthma diagnosis: Parent report (other/uns/mix)
 Timing of lifetime asthma: unspecified
 Timing of incidence asthma: NA (prevalence analysis only)
 Description of lifetime asthma: bronchial asthma
 Number of lifetime asthma cases: 406
 Total number of subjects: 5291

Derived 1 - Number of RRs : 3
 RRs available Parental exposure RRs: 3

DEKKER Study Study title : Dekker
 description Full study title : Canadian Air Quality & Health study CC 1988
 Study sex : both
 Lowest age in study : 5
 Highest age in study (at baseline): 8
 Study race : all (in country)
 Continent : NAmerica
 Country in N America: Canada
 Location within country: 30 communities nationwide
 Start year of study : 1988
 End year of study : 1988
 Principal publication year: 1991
 Reference ID of principal publication: DEKKER1991
 Overlap: none
 Principal/subsidiary study: Principal
 REF group : DEKKER

Study design Study type : case/control
 Type of controls (for CC studies): healthy
 Type of population : all schoolchildren
 Medical exclusions : cystic fibrosis
 Other exclusions : temporary dwelling (mobile home, boat etc)
 Type of population - controls (if diff from cases): no resp symptms or hist asthma
 Respondent : Parent
 Child smokes : No mention
 Standard questionnaire: Non std/NA/NK
 Comments : Conducted as a cross-sectional study but analysed as a
 case-control. Controls are subjects without history of diagnosed asthma, persistent
 cough wheezing or phlegm, or chest illness in last year

Asthma Current asthma available: present
 Source of current asthma diagnosis: Parent report (other/uns/mix)
 Timing of current asthma: current NOS
 Description of current asthma: ever phys diag asthma and still has asthma
 Number of current asthma cases: 634
 Total number of subjects: 9841

Confounders Total number of adjustment factors used: 9
 considered Adjusted for sex : present
 Adjusted for age : 1
 Adjusted for race : 1
 Adjusted for location within study: 1
 Adjusted for type of respondent: 1
 Adjusted for SES (inc parental education): 1
 Adjusted for cooking/heating methods: 1
 Adjusted for damp/mould in home: 1
 Adjusted for housing quality/age/size: 1

Other results Wheezing/wheezing bronchitis available: present Results available for wheezing without
 (not current diagnosis of asthma
 db)

Derived 1 - Number of RRs : 6
 RRs available Household exposure RRs: 6

DEKOK	Study description	Study title : de Kok Full study title : Two Dutch region primary schools CS 1993 Study sex : both Lowest age in study : 6 Highest age in study (at baseline): 12 Study race : all (in country) Continent : WEurope/Scandinavia Country in W Europe : Netherlands Location within country: Melick/Herkenbosch Asenray and Leek Start year of study : 1993 End year of study : 1993 Principal publication year: 1996 Reference ID of principal publication: DEKOK1996 Overlap: none Principal/subsidiary study: Principal REF group : DEKOK
	Study design	Study type : cross-sectional Type of population : all schoolchildren Respondent : Parent Child smokes : Assumed no smokers Standard questionnaire: WHO
	Asthma	Current asthma available: present Source of current asthma diagnosis: Parent report (other/uns/mix) Timing of current asthma: last n months (12<=n<24) Description of current asthma: asthma (= 2+ key symptoms (wheeze or SOB) in last 12m) Number of current asthma cases: 115 Total number of subjects: 1123
	Confounders considered	Total number of adjustment factors used: 6 Adjusted for sex : present Adjusted for age : 1 Adjusted for location within study: 1 Adjusted for cooking/heating methods: 1 Adjusted for damp/mould in home: 1 Adjusted for pets in household: 1
	Other results (not current db)	Other definitions of asthma available: present See general comment under OTHRES Wheezing/wheezing bronchitis available: present See general comment under OTHRES Comments : MLR was carried out for a number of symptoms and potential risk factors, with the results reported as 'positive but not significant'. However it is not clear exactly which other symptoms (possibly various definitions of wheeze, SOB with wheeze (ever and current), ever physician diagnosed asthma, current asthma medication as well as 'current asthma defined' which has been entered here), or which other risk factors (possibly family smoking in the house as well as 'maternal smoking' entered here) were used
	Derived 1 - RRs available	Number of RRs : 1 Parental exposure RRs: 1
DELL	Study description	Study title : Dell Full study title : National Longitudinal CS cycle 1 1995-95 Study sex : both Lowest age in study : 1 Highest age in study (at baseline): 1 Study race : all (in country) Continent : NAmerica Country in N America: Canada Location within country: nationwide Start year of study : 1994 End year of study : 1995 Principal publication year: 2001 Reference ID of principal publication: DELL2001 Overlap: none Principal/subsidiary study: Principal REF group : DELL
	Study design	Study type : cross-sectional Type of population : random children Other exclusions : primary caregiver not the biological mother Respondent : Parent Child smokes : No mention Standard questionnaire: Non std/NA/NK

DELL
(continued)

Asthma Lifetime/incidence/unspec asthma available: present
 Source of lifetime asthma diagnosis: Parent report (physician diag)
 Timing of lifetime asthma: Lifetime
 Timing of incidence asthma: NA (prevalence analysis only)
 Description of lifetime asthma: asthma
 Number of lifetime asthma cases: 138
 Total number of subjects: 2184
 Comments : Number of cases based on %, may be subject to rounding error

Confounders considered Total number of adjustment factors used: 4
 Adjusted for sex : present
 Adjusted for SES (inc parental education): 1
 Adjusted for child other medical history/symptoms: 2

Other results (not current db) Wheezing/wheezing bronchitis available: present Results available for wheeze in last year

Derived 1 - RRs available Number of RRs : 3
 Parental exposure RRs: 3

DIJKST Study description Study title : Dijkstra
 Full study title : Rural SE Netherlands schools PS 2nd phase 1986-87
 Study sex : both
 Lowest age in study : 6
 Highest age in study (at baseline): 12
 Study race : all (in country)
 Continent : WEurope/Scandinavia
 Country in W Europe : Netherlands
 Location within country: rural area in SE Netherlands
 Start year of study : 1986
 End year of study : 1987
 Principal publication year: 1990
 Reference ID of principal publication: DIJKST1990
 Reference ID of additional publication(s): DIJKST1988
 Overlap: none
 Principal/subsidiary study: Principal
 REF group : DIJKST

Study design Study type : cross-sectional
 Type of population : all in given school(s)
 Other exclusions : non-NW European origin
 Respondent : Parent
 Child smokes : Smokers excl unspecified
 Standard questionnaire: WHO

Asthma Current asthma available: present
 Source of current asthma diagnosis: Parent report (other/uns/mix)
 Timing of current asthma: last n months (12<=n<24)
 Description of current asthma: asthma (= SOB with wheezing in last 12m)
 Number of current asthma cases: 39
 Total number of subjects: 775

Confounders considered Total number of adjustment factors used: 13
 Adjusted for sex : present
 Adjusted for age : 1
 Adjusted for type of respondent: 1
 Adjusted for SES (inc parental education): 1
 Adjusted for cooking/heating methods: 4
 Adjusted for damp/mould in home: 1
 Adjusted for housing quality/age/size: 2
 Adjusted for pets in household: 1
 Adjusted for maternal smoking in pregnancy: 1

Other results (not current db) Wheezing/wheezing bronchitis available: present Results available for wheeze in last 12m

Derived 1 - RRs available Number of RRs : 4
 Household exposure RRs: 4

DODGE Study description Study title : Dodge
Full study title : Arizona smelter towns school LS 1978-80
Study sex : both
Lowest age in study : 8
Highest age in study (at baseline): not assessable
Highest age in study at final followup: 12
Study race : all (in country)
Continent : NAmerica
Country in N America: USA
US state : Nev,Ut,Ariz
Location within country: Morenci, San Manuel, Kingman (Arizona)
Start year of study : 1978
End year of study : 1979
Final follow up year: 1980
Principal publication year: 1982
Reference ID of principal publication: DODGE1982
Reference ID of additional publication(s): DODGE1983
Overlap: none
Principal/subsidiary study: Principal
REF group : DODGE

Study design Study type : prospective
Type of population : all in given school(s)
Other exclusions : single parent families
Respondent : Parent
Child smokes : No smkrs found above gvn age
Standard questionnaire: Non std/NA/NK
Comments : Only sixth grade children (age 12 approx) were asked about active smoking - question related to daily smoking

Asthma Lifetime/incidence/unspec asthma available: present
Source of lifetime asthma diagnosis: Parent report (physician diag)
Timing of lifetime asthma: unspecified
Timing of incidence asthma: NA (prevalence analysis only)
Description of lifetime asthma: asthma
Number of lifetime asthma cases: 33
Total number of subjects: 628

Confounders considered Total number of adjustment factors used: 1
Adjusted for race : 1
Comments : Alternative results adjusted for location are also available

Other results (not current db) Wheezing/wheezing bronchitis available: present Results available for ever has wheezing or whistling in chest

Derived 1 - RRs available Number of RRs : 12
Parental exposure RRs: 12

DOLD Study description Study title : Dold
Full study title : Munich & South Bavaria primary schools CS 1989-90
Study sex : both
Lowest age in study : 9
Highest age in study (at baseline): 11
Study race : all (in country)
Continent : WEurope/Scandinavia
Country in W Europe : Germany
Location within country: Munich and rural southern Bavaria
Start year of study : 1989
End year of study : 1990
Principal publication year: 1992
Reference ID of principal publication: DOLD1992
Reference ID of additional publication(s): NICOLA1998
Overlap: none
Principal/subsidiary study: Principal
REF group : DOLD

Study design Study type : cross-sectional
Type of population : all schoolchildren
Other exclusions : non-Germans
Respondent : Parent
Child smokes : No mention
Standard questionnaire: Non std/NA/NK

DOLD
(continued)

Asthma Lifetime/incidence/unspec asthma available: present
 Source of lifetime asthma diagnosis: Parent report (physician diag)
 Timing of lifetime asthma: Lifetime
 Timing of incidence asthma: NA (prevalence analysis only)
 Description of lifetime asthma: asthmatic (= at least one episode of bronchial asthma,
 or several episodes of asthmatic bronchitis or spastic bronchitis)
 Number of lifetime asthma cases: 512
 Total number of subjects: 6432
 Comments : Number of cases/subjects based on Table 4, although number of
 subjects exceeds number included according to Methods page 764 (=5971)

Confounders Total number of adjustment factors used: 3
 considered Adjusted for child other medical history/symptoms: 1
 Adjusted for parental smoking current/since birth: 2

Other results Wheezing/wheezing bronchitis available: present Results available for repeated wheeze
 (not current and shortness of breath
 db) Results by other stratifying factors available: present Results available stratified
 by cough for more than 14 days; by cough on exertion; by night cough; by repeated
 wheezing

Derived 1 - Number of RRs : 21
 RRs available Parental exposure RRs: 13
 Household exposure RRs: 8

DOTTER Study Study title : Dotterud
 description Full study title : Nikel schools CS 1994
 Study sex : both
 Lowest age in study : 8
 Highest age in study (at baseline): 17
 Study race : all (in country)
 Continent : EEurope/Balkans
 Country in E Europe/Balkans: Russia
 Location within country: Nikel (northern Russia)
 Start year of study : 1994
 End year of study : 1994
 Principal publication year: 2001
 Reference ID of principal publication: DOTTER2001
 Overlap: none
 Principal/subsidiary study: Principal
 REF group : DOTTER

Study design Study type : cross-sectional
 Type of population : all schoolchildren
 Respondent : Parent and child
 Child smokes : No mention
 Standard questionnaire: Non std/NA/NK

Asthma Current asthma available: present
 Source of current asthma diagnosis: Parent or child rep (oth/unsp)
 Timing of current asthma: current NOS
 Description of current asthma: has suffered from asthma, and wheezes, coughs or has
 attacks of breathlessness (asthma) after exposure to extrinsic factors (pollen,
 animals, food, infections)
 Number of current asthma cases: 64
 Total number of subjects: 1684

Confounders Total number of adjustment factors used: 6
 considered Adjusted for cooking/heating methods: 3
 Adjusted for damp/mould in home: 1
 Adjusted for pets in household: 1
 Adjusted for exposure to food/housedust allergens: 1

Derived 1 - Number of RRs : 2
 RRs available Household exposure RRs: 2

ECE	Study description	Study title : Ece Full study title : Diyarbakir schools CS 1999-2000 Study sex : both Lowest age in study : 6 Highest age in study (at baseline): 15 Study race : all (in country) Continent : EEurope/Balkans Country in E Europe/Balkans: Turkey Location within country: Diyarbakir (SE Anatolia) Start year of study : 1999 End year of study : 2000 Principal publication year: 2001 Reference ID of principal publication: ECE2001 Overlap: none Principal/subsidiary study: Principal REF group : ECE
	Study design	Study type : cross-sectional Type of population : random schoolchildren Respondent : Parent or child (dep age) Child smokes : No mention Standard questionnaire: ISAAC Comments : Questionnaire completed by parent for children age 6-10, self completion for age 11+
	Asthma	Lifetime/incidence/unspec asthma available: present Source of lifetime asthma diagnosis: Parent or child rep (oth/unsp) Timing of lifetime asthma: Lifetime Timing of incidence asthma: NA (prevalence analysis only) Description of lifetime asthma: asthma Number of lifetime asthma cases: 430 Total number of subjects: 3040
	Confounders considered	Total number of adjustment factors used: 3 Adjusted for family (parent/sibl) medical history: 2 Adjusted for damp/mould in home: 1 Other confounders considered but rejected: present Comments : Adjustment for HOCO and COHE not included in final MLR model
	Other results (not current db)	Wheezing/wheezing bronchitis available: present Results available for ever wheeze; wheezing with exercise
	Derived 1 - RRs available	Number of RRs : 8 Parental exposure RRs: 4 Household exposure RRs: 4
EHRLI1	Study description	Study title : Ehrlich 1 Full study title : Cape Town elementary schools CC 1993 Study sex : both Lowest age in study : 7 Highest age in study (at baseline): 9 Study race : all (in country) Continent : Africa Country in Africa : South Africa Location within country: Mitchell's Plain (Cape Town) Start year of study : 1993 End year of study : 1993 Principal publication year: 1996 Reference ID of principal publication: EHRLIC1996 Reference ID of additional publication(s): EHRLIC1995, EHRLIC1995A Overlap: none Principal/subsidiary study: Principal REF group : EHRLI1
	Study design	Study type : case/control Type of controls (for CC studies): healthy Type of population : random schoolchildren Respondent : Parent Child smokes : Biochem excl discussd not used Standard questionnaire: ISAAC Comments : A cross-sectional study (all children at randomly selected schools) was used to identify cases of asthma or wheeze, controls were randomly selected from the remainder. Only results for asthma are entered here. The study is described as referring to 'colored children' (i.e. of mixed descent), but this refers to the main population of the study district, not to selection criteria

EHRLI1
(continued)

Asthma Current asthma available: present
Source of current asthma diagnosis: Parent report (other/uns/mix)
Timing of current asthma: last n months (12<=n<24)
Description of current asthma: asthma with at least one in last 12m of: wheezing or whistling in chest; woken up by wheezing or whistling chest; wheezing or whistling chest prevented normal speech; wheezing or whistling chest after exercise; dry cough at night not from cold or chest infection; tight chest
Number of current asthma cases: 153
Total number of subjects: 620

Confounders considered Total number of adjustment factors used: 9
Adjusted for family (parent/sibl) medical history: 2
Adjusted for household composition: 1
Adjusted for damp/mould in home: 1
Adjusted for child other medical history/symptoms: 3
Adjusted for parental smoking current/since birth: 1
Adjusted for household ETS exposure: 1
Other confounders considered but rejected: present
Comments : Adjustment for HOCO(n persons in house) and FMED(recent chest illness) rejected from stepwise MLR due to lack of significance

Other results (not current db) Wheezing/wheezing bronchitis available: present Results available for reported asthma or 4+ symptoms; symptoms but no reported asthma; severe symptoms (4+ symptoms or episode affecting speech)
Results by other stratifying factors available: present Results available stratified by maternal education

Derived 1 - RRs available Number of RRs : 4
Parental exposure RRs: 4 [See Addendum p. 97 of Report I]

EHRLI2 Study description Study title : Ehrlich 2
Full study title : New York City hospital CC 1988-89
Study sex : both
Lowest age in study : 3
Highest age in study (at baseline): 14
Study race : all (in country)
Continent : N America
Country in N America: USA
US state : Vt,Me,NY,NH,Mass,RI,Conn
Location within country: New York City
Start year of study : 1988
End year of study : 1989
Principal publication year: 1992
Reference ID of principal publication: EHRLIC1992
Reference ID of additional publication(s): LILIEN1990, WARTEN1994
Overlap: none
Principal/subsidiary study: Principal
REF group : EHRLI2

Study design Study type : case/control
Type of controls (for CC studies): diseased/hospital
Control diseases/cause of death: not acute asthma
Type of population : all in given hosp/clinic(s)
Respondent : Accompanying adult
Child smokes : No smkrs found above gvn age
Standard questionnaire: Non std/NA/NK
Comments : Children age 10-14 were asked privately about smoking, none admitted to smoking. Subjects with unusually high CCR levels were mostly at the low end of the age range and unlikely to be active smokers

Asthma Lifetime/incidence/unspec asthma available: present
Source of lifetime asthma diagnosis: Med rec or par rep (phys diag)
Timing of lifetime asthma: Lifetime
Timing of incidence asthma: NA (prevalence analysis only)
Description of lifetime asthma: acute (current diag at ER and at least one previous phys-diag acute asthma) or non-acute (history episodic or chronic airflow obstruction requiring medication, no acute attack in last 2 weeks)
Number of lifetime asthma cases: 107
Total number of subjects: 228

Confounders considered Total number of adjustment factors used: 1
Adjusted for race : 1

EHRLI2
(continued)

Other results (not current db)	Other definitions of asthma available: present asthma	Results available separately for acute
Derived 1 - RRs available	Number of RRs : 14 Parental exposure RRs: 3 Household exposure RRs: 2 Biochemical exposure RRs: 9	
FAGBUL Study description	Study title : Fagbule Full study title : Nigerian hospital CC (ca 1992?) Study sex : both Lowest age in study : 0 Highest age in study (at baseline): 18 Study race : all (in country) Continent : Africa Country in Africa : Nigeria Location within country: Ilorin and Sagamu Start year of study : not assessable End year of study : not assessable Principal publication year: 1994 Reference ID of principal publication: FAGBUL1994 Overlap: none Principal/subsidiary study: Principal REF group : FAGBUL	
Study design	Study type : case/control Type of controls (for CC studies): healthy Type of population : all in given hosp/clinic(s) Medical exclusions : family history asthma Respondent : Unspec (parent/child) Child smokes : No mention Standard questionnaire: Non std/NA/NK	
Asthma	Current asthma available: present Source of current asthma diagnosis: Medical records Timing of current asthma: current diagnosis Description of current asthma: asthma (= presenting with severe SOB +/- cough & wheeze, and had wheezy attack in last 6m) Number of current asthma cases: 140 Total number of subjects: 280	
Matching factors	Cases and controls matched on sex: present Cases and controls matched on age (CC): present Matched on location (within study area): present Cases and controls matched on socioeconomic status: present	
Confounders considered	Total number of adjustment factors used: 1 Adjusted for location within study: 1	
Derived 1 - RRs available	Number of RRs : 2 Parental exposure RRs: 2	
FARBE1 Study description	Study title : Farber 1 Full study title : Bogalusa Heart Study CS 1984-85 Study sex : both Lowest age in study : 7 Highest age in study (at baseline): 17 Study race : whites and blacks Continent : N America Country in N America: USA US state : Ark, Miss, La, Al Location within country: Bogalusa (Louisiana) Start year of study : 1984 End year of study : 1985 Principal publication year: 1997 Reference ID of principal publication: FARBER1997 Overlap: FARBE1/FARBE2/FARBE3 Principal/subsidiary study: Subsidiary REF group : FARBE2 Comments : Three studies covering all schoolchildren were conducted in a ten year period, therefore many students will have participated in two or three studies. The middle study FARBE2 has been marked as the principal study and the first	

FARBE1
(continued)

(FARBE1) and last (FARBE3) as subsidiary in order to avoid overlap

Study design Study type : cross-sectional
 Type of population : all schoolchildren
 Other exclusions : female guardian not mother
 Respondent : Parent
 Child smokes : No mention
 Standard questionnaire: Non std/NA/NK

Asthma Lifetime/incidence/unspec asthma available: present
 Source of lifetime asthma diagnosis: Parent report (other/uns/mix)
 Timing of lifetime asthma: Lifetime
 Timing of incidence asthma: NA (prevalence analysis only)
 Description of lifetime asthma: asthma
 Number of lifetime asthma cases: 188
 Total number of subjects: 1942
 Comments : Numbers estimated approximately taking into account subjects
 with missing data or with female guardian not mother from Tables 2,3 and Figure 1

Confounders considered Total number of adjustment factors used: 3
 Adjusted for sex : present
 Adjusted for age : 1
 Adjusted for race : 1

Derived 1 - Number of RRs : 2
 RRs available Parental exposure RRs: 2

FARBE2 Study Study title : Farber 2
 description Full study title : Bogalusa Heart Study CS 1987-88
 Study sex : both
 Lowest age in study : 5
 Highest age in study (at baseline): 17
 Study race : whites and blacks
 Continent : N America
 Country in N America: USA
 US state : Ark, Miss, La, Al
 Location within country: Bogalusa (Louisiana)
 Start year of study : 1987
 End year of study : 1988
 Principal publication year: 1997
 Reference ID of principal publication: FARBER1997
 Overlap: FARBE1/FARBE2/FARBE3
 Principal/subsidiary study: Principal
 REF group : FARBE2
 Comments : Three studies covering all schoolchildren were conducted in a
 ten year period, therefore many students will have participated in two or three
 studies. The middle study FARBE2 has been marked as the principal study and the first
 (FARBE1) and last (FARBE3) as subsidiary in order to avoid overlap

Study design Study type : cross-sectional
 Type of population : all schoolchildren
 Other exclusions : female guardian not mother
 Respondent : Parent
 Child smokes : No mention
 Standard questionnaire: Non std/NA/NK

Asthma Lifetime/incidence/unspec asthma available: present
 Source of lifetime asthma diagnosis: Parent report (other/uns/mix)
 Timing of lifetime asthma: Lifetime
 Timing of incidence asthma: NA (prevalence analysis only)
 Description of lifetime asthma: asthma
 Number of lifetime asthma cases: 225
 Total number of subjects: 2041
 Comments : Numbers estimated approximately taking into account subjects
 with missing data or with female guardian not mother from Tables 2,3 and Figure 1

Confounders considered Total number of adjustment factors used: 3
 Adjusted for sex : present
 Adjusted for age : 1
 Adjusted for race : 1

Derived 1 - Number of RRs : 2
 RRs available Parental exposure RRs: 2

FARBE3 Study description Study title : Farber 3
Full study title : Bogalusa Heart Study CS 1992-94
Study sex : both
Lowest age in study : 5
Highest age in study (at baseline): 17
Study race : whites and blacks
Continent : NAmerica
Country in N America: USA
US state : Ark, Miss, La, Al
Location within country: Bogalusa (Louisiana)
Start year of study : 1992
End year of study : 1994
Principal publication year: 1997
Reference ID of principal publication: FARBER1997
Overlap: FARBE1/FARBE2/FARBE3
Principal/subsidiary study: Subsidiary
REF group : FARBE2
Comments : Three studies covering all schoolchildren were conducted in a ten year period, therefore many students will have participated in two or three studies. The middle study FARBE2 has been marked as the principal study and the first (FARBE1) and last (FARBE3) as subsidiary in order to avoid overlap

Study design Study type : cross-sectional
Type of population : all schoolchildren
Other exclusions : female guardian not mother
Respondent : Parent
Child smokes : No mention
Standard questionnaire: Non std/NA/NK

Asthma Lifetime/incidence/unspec asthma available: present
Source of lifetime asthma diagnosis: Parent report (other/uns/mix)
Timing of lifetime asthma: Lifetime
Timing of incidence asthma: NA (prevalence analysis only)
Description of lifetime asthma: asthma
Number of lifetime asthma cases: 337
Total number of subjects: 2077
Comments : Numbers estimated approximately taking into account subjects with missing data or with female guardian not mother from Tables 2,3 and Figure 1

Confounders considered Total number of adjustment factors used: 3
Adjusted for sex : present
Adjusted for age : 1
Adjusted for race : 1

Derived 1 - RRs available Number of RRs : 2
Parental exposure RRs: 2

FAROOQ Study description Study title : Farooqi
Full study title : Oxfordshire GP 1975-84 birth cohort retrospec 1996
Study sex : both
Lowest age in study : 0
Highest age in study (at baseline): 21
Study race : all (in country)
Continent : WEurope/Scandinavia
Country in W Europe : UK
Location within country: Oxfordshire
Start year of study : 1975
End year of study : 1996
Principal publication year: 1998
Reference ID of principal publication: FAROOQ1998
Overlap: none
Principal/subsidiary study: Principal
REF group : FAROOQ

Study design Study type : cross-sectional
Type of population : all at given primary care(s)
Medical exclusions : atopic disorder before completion of immunisations
Other exclusions : ever changed GP, or died during study period
Respondent : Medical records
Child smokes : No mention
Standard questionnaire: Non std/NA/NK
Comments : Retrospective study during 1996, following birth cohort 1975-84 throughout life

FAROOQ
(continued)

Asthma Lifetime/incidence/unspec asthma available: present
 Source of lifetime asthma diagnosis: Medical records
 Timing of lifetime asthma: from age 2
 Timing of incidence asthma: NA (prevalence analysis only)
 Description of lifetime asthma: asthma (= recurrent episodes of wheeze)
 Number of lifetime asthma cases: 484
 Total number of subjects: 1934
 Comments : Number of cases based on %, may be subject to rounding error

Derived 1 - Number of RRs : 1
 RRs available Parental exposure RRs: 1

FERGUS Study Study title : Fergusson
 description Full study title : Christchurch Child Development 1977 cohort to 1983
 Study sex : both
 Lowest age in study : 0
 Highest age in study (at baseline): 0
 Highest age in study at final followup: 6
 Study race : all (in country)
 Continent : Australasia
 Country in Australasia: New Zealand
 Location within country: Christchurch
 Start year of study : 1977
 End year of study : 1977
 Final follow up year: 1983
 Principal publication year: 1985
 Reference ID of principal publication: FERGUS1985
 Reference ID of additional publication(s): HORWOO1985
 Overlap: none
 Principal/subsidiary study: Principal
 REF group : FERGUS

Study design Study type : prospective
 Type of population : all newborns at given hosp(s)
 Other exclusions : died or left NZ before age 6
 Respondent : Parent
 Child smokes : No mention
 Standard questionnaire: Non std/NA/NK

Asthma Lifetime/incidence/unspec asthma available: present
 Source of lifetime asthma diagnosis: Medical records
 Timing of lifetime asthma: NA (incidence only)
 Timing of incidence asthma: lifetime (recruit at birth)
 Description of lifetime asthma: attended phys for wheeze diagnosed as asthma or wheezy
 bronchitis. (Based on conclusion by Williams & McNicol that the two conditions are
 indistinguishable)
 Number of lifetime asthma cases: 134
 Total number of subjects: 1032

Confounders Total number of adjustment factors used: 10
 considered Adjusted for sex : present
 Adjusted for family (parent/sibl) medical history: 1
 Adjusted for SES (inc parental education): 1
 Adjusted for household composition: 1
 Adjusted for pets in household: 1
 Adjusted for child other medical history/symptoms: 3
 Adjusted for parental smoking current/since birth: 2

Other results Other definitions of asthma available: present Results available for maternal report
 (not current of asthmatic attack (irrespective of medical treatment); for at least 2 medical
 db) consultations diagnosed as asthma or wheezy bronchitis (HORWOO1985); results for at
 least 2 medical consultations for asthma (excl wheezy bronchitis) are stated not to
 differ from the combination of asthma and wheezy bronchitis
 Results by other stratifying factors available: present Results for at least two
 medical consultations for asthma or wheezy bronchitis are available for sexes
 separately

Derived 1 - Number of RRs : 23
 RRs available Parental exposure RRs: 23

FIELDDE	Study description	Study title : Fielder Full study title : W Glamorgan primary schools CS 1995 Study sex : both Lowest age in study : 8 Highest age in study (at baseline): 11 Study race : all (in country) Continent : WEurope/Scandinavia Country in W Europe : UK Location within country: 3 locations (assumed to be in W Glamorgan) Start year of study : 1995 End year of study : 1995 Principal publication year: 1999 Reference ID of principal publication: FIELDDE1999 Overlap: none Principal/subsidiary study: Principal REF group : FIELDDE
	Study design	Study type : cross-sectional Type of population : all in given school(s) Respondent : Parent Child smokes : No mention Standard questionnaire: ISAAC
	Asthma	Lifetime/incidence/unspec asthma available: present Source of lifetime asthma diagnosis: Parent report (physician diag) Timing of lifetime asthma: Lifetime Timing of incidence asthma: NA (prevalence analysis only) Description of lifetime asthma: asthma Current asthma available: present Source of current asthma diagnosis: Parent report (other/uns/mix) Timing of current asthma: last n months (n<6) Description of current asthma: asthma treated in last 4w Number of lifetime asthma cases: 84 Number of current asthma cases: 26 Total number of subjects: 427
	Confounders considered	Total number of adjustment factors used: 5 Adjusted for sex : present Adjusted for age : 1 Adjusted for location within study: 1 Adjusted for cooking/heating methods: 1 Adjusted for pets in household: 1
	Other results (not current db)	Wheezing/wheezing bronchitis available: present Results available for wheeze in last year; wheeze with exercise
	Derived 1 - RRs available	Number of RRs : 2 Household exposure RRs: 2
FLYNN1	Study description	Study title : Flynn 1 Full study title : Suva City schools CS 1990 Study sex : both Lowest age in study : 9 Highest age in study (at baseline): 10 Study race : fijians and indians Continent : Australasia Country in Australasia: Fiji Location within country: Suva City Start year of study : 1990 End year of study : 1990 Principal publication year: 1994 Reference ID of principal publication: FLYNN1994A Overlap: none Principal/subsidiary study: Principal REF group : FLYNN1
	Study design	Study type : cross-sectional Type of population : all schoolchildren Respondent : Parent Child smokes : No mention Standard questionnaire: Non std/NA/NK

FLYNN1
(continued)

Asthma Lifetime/incidence/unspec asthma available: present
 Source of lifetime asthma diagnosis: Parent report (physician diag)
 Timing of lifetime asthma: Lifetime
 Timing of incidence asthma: NA (prevalence analysis only)
 Description of lifetime asthma: asthma
 Number of lifetime asthma cases: 136
 Total number of subjects: 1624
 Comments : Number of cases based on %, may be subject to rounding error

Other results Wheezing/wheezing bronchitis available: present results available for wheeze ever;
 (not current wheeze in last 12m
 db)

Derived 1 - Number of RRs : 1
 RRs available Household exposure RRs: 1

FLYNN2 Study Study title : Flynn 2
 description Full study title : Nausori rural schools CS 1991
 Study sex : both
 Lowest age in study : 9
 Highest age in study (at baseline): 10
 Study race : all (in country)
 Continent : Australasia
 Country in Australasia: Fiji
 Location within country: Nausori (Viti Levu)
 Start year of study : 1991
 End year of study : 1991
 Principal publication year: 1994
 Reference ID of principal publication: FLYNN1994
 Reference ID of additional publication(s): FLYNN1994A
 Overlap: none
 Principal/subsidiary study: Principal
 REF group : FLYNN2

Study design Study type : cross-sectional
 Type of population : all schoolchildren
 Other exclusions : urban schools
 Respondent : Parent
 Child smokes : No mention
 Standard questionnaire: Non std/NA/NK

Asthma Lifetime/incidence/unspec asthma available: present
 Source of lifetime asthma diagnosis: Parent report (physician diag)
 Timing of lifetime asthma: Lifetime
 Timing of incidence asthma: NA (prevalence analysis only)
 Description of lifetime asthma: asthma
 Number of lifetime asthma cases: 36
 Total number of subjects: 487
 Comments : Number of cases based on %, may be subject to rounding error

Other results Wheezing/wheezing bronchitis available: present results available for wheeze ever; for
 (not current wheeze in last 12m and by frequency of wheeze
 db)

Derived 1 - Number of RRs : 1
 RRs available Household exposure RRs: 1

FORAST Study description

Study title : Forastiere
 Full study title : Latium air pollution schools CS 1987
 Study sex : both
 Lowest age in study : 7
 Highest age in study (at baseline): 11
 Study race : all (in country)
 Continent : WEurope/Scandinavia
 Country in W Europe : Italy
 Location within country: Rome, Civitavecchia & 3 rural communities (Latium)
 Start year of study : 1987
 End year of study : 1987
 Principal publication year: 1992
 Reference ID of principal publication: FORAST1992
 Reference ID of additional publication(s): FORAST1992A, WONG1992
 Overlap: none
 Principal/subsidiary study: Principal
 REF group : FORAST

Study design

Study type : cross-sectional
 Type of population : random schoolchildren
 Respondent : Parent
 Child smokes : No mention
 Standard questionnaire: ATS/NHLI/ESP

Asthma

Lifetime/incidence/unspec asthma available: present
 Source of lifetime asthma diagnosis: Parent report (other/uns/mix)
 Timing of lifetime asthma: unspecified
 Timing of incidence asthma: NA (prevalence analysis only)
 Description of lifetime asthma: asthma (= phys diag asthma, or 3+ symptoms from: wheeze with colds, wheeze apart from colds, dyspnoea with wheeze, wheeze after exercise)
 Number of lifetime asthma cases: 216
 Total number of subjects: 2797

Confounders considered

Total number of adjustment factors used: 11
 Adjusted for sex : present
 Adjusted for age : 1
 Adjusted for location within study: 1
 Adjusted for type of respondent: 1
 Adjusted for SES (inc parental education): 1
 Adjusted for household composition: 1
 Adjusted for cooking/heating methods: 1
 Adjusted for housing quality/age/size: 1
 Adjusted for mobility (par/ch brn abrd, moved hous: 1
 Adjusted for parental smoking current/since birth: 2

Other results (not current db)

Results by other stratifying factors available: present Results available stratified by location (air pollution)

Derived 1 - RRs available

Number of RRs : 26
 Parental exposure RRs: 26

FORSB1 Study description

Study title : Forsberg 1
 Full study title : Oslo PEACE (polln effect asthm chdrn Eur) CS 1993
 Study sex : both
 Lowest age in study : 6
 Highest age in study (at baseline): 12
 Study race : all (in country)
 Continent : WEurope/Scandinavia
 Country in W Europe : Norway
 Location within country: Oslo
 Start year of study : 1993
 End year of study : 1993
 Principal publication year: 1997
 Reference ID of principal publication: FORSBE1997
 Overlap: none
 Principal/subsidiary study: Principal
 REF group : FORSB1

Study design

Study type : cross-sectional
 Type of population : all in given school(s)
 Respondent : Parent
 Child smokes : No mention
 Standard questionnaire: ATS/NHLI/ESP

FORSB1
(continued)

Asthma Current asthma available: present
 Source of current asthma diagnosis: Parent report (physician diag)
 Timing of current asthma: last n months (12<=n<24)
 Description of current asthma: asthma treatment by physician
 Number of current asthma cases: 188
 Total number of subjects: 3769
 Comments : Number of cases based on %, may be subject to rounding error

Confounders considered Total number of adjustment factors used: 15
 Adjusted for sex : present
 Adjusted for age : 1
 Adjusted for location within study: 1
 Adjusted for family (parent/sibl) medical history: 1
 Adjusted for day care: 1
 Adjusted for cooking/heating methods: 2
 Adjusted for damp/mould in home: 2
 Adjusted for pets in household: 2
 Adjusted for exposure to food/housedust allergens: 2
 Adjusted for parental smoking current/since birth: 2

Other results (not current db) Other definitions of asthma available: present Results available for recent asthma attacks (attacks of SOB with wheezing in last 12m)

Derived 1 - Number of RRs : 2
 RRs available Household exposure RRs: 2

FORSB2 Study description Study title : Forsberg 2
 Full study title : Kuopio PEACE (polln effct asthm chdrn Eur) CS 1993
 Study sex : both
 Lowest age in study : 6
 Highest age in study (at baseline): 12
 Study race : all (in country)
 Continent : WEurope/Scandinavia
 Country in W Europe : Finland
 Location within country: Kuopio
 Start year of study : 1993
 End year of study : 1993
 Principal publication year: 1997
 Reference ID of principal publication: FORSB1997
 Overlap: none
 Principal/subsidiary study: Principal
 REF group : FORSB2

Study design Study type : cross-sectional
 Type of population : all in given school(s)
 Respondent : Parent
 Child smokes : No mention
 Standard questionnaire: ATS/NHLI/ESP

Asthma Current asthma available: present
 Source of current asthma diagnosis: Parent report (physician diag)
 Timing of current asthma: last n months (12<=n<24)
 Description of current asthma: asthma treatment by physician
 Number of current asthma cases: 76
 Total number of subjects: 2540
 Comments : Number of cases based on %, may be subject to rounding error

Confounders considered Total number of adjustment factors used: 15
 Adjusted for sex : present
 Adjusted for age : 1
 Adjusted for location within study: 1
 Adjusted for family (parent/sibl) medical history: 1
 Adjusted for day care: 1
 Adjusted for cooking/heating methods: 2
 Adjusted for damp/mould in home: 2
 Adjusted for pets in household: 2
 Adjusted for exposure to food/housedust allergens: 2
 Adjusted for parental smoking current/since birth: 2

Other results (not current db) Other definitions of asthma available: present Results available for recent asthma attacks (attacks of SOB with wheezing in last 12m)

FORSE2
(continued)

Derived 1 - Number of RRs : 2
RRs available Household exposure RRs: 2

FORSE3 Study description Study title : Forsberg 3
Full study title : Sweden PEACE (polln effct asthm chdrn Eur) CS 1993
Study sex : both
Lowest age in study : 6
Highest age in study (at baseline): 12
Study race : all (in country)
Continent : WEurope/Scandinavia
Country in W Europe : Sweden
Location within country: Malmo and Umea
Start year of study : 1993
End year of study : 1993
Principal publication year: 1997
Reference ID of principal publication: FORSE1997
Overlap: FORSE3/WILLE2
Principal/subsidiary study: Principal
REF group : FORSE3
Comments : WILLE2 is a subset of this study, selecting all cases from one region and a small number of controls and using biochemical assessment

Study design Study type : cross-sectional
Type of population : all children
Respondent : Parent
Child smokes : No mention
Standard questionnaire: ATS/NHLI/ESP

Asthma Current asthma available: present
Source of current asthma diagnosis: Parent report (physician diag)
Timing of current asthma: last n months (12<=n<24)
Description of current asthma: asthma treatment by physician
Number of current asthma cases: 405
Total number of subjects: 9653
Comments : Number of cases based on %, may be subject to rounding error

Confounders considered Total number of adjustment factors used: 16
Adjusted for sex : present
Adjusted for age : 1
Adjusted for location within study: 2
Adjusted for family (parent/sibl) medical history: 1
Adjusted for day care: 1
Adjusted for cooking/heating methods: 2
Adjusted for damp/mould in home: 2
Adjusted for pets in household: 2
Adjusted for exposure to food/housedust allergens: 2
Adjusted for parental smoking current/since birth: 2

Other results (not current db) Other definitions of asthma available: present Results available for recent asthma attacks (attacks of SOB with wheezing in last 12m)
Results by other stratifying factors available: present Results also available stratified by region

Derived 1 - Number of RRs : 2
RRs available Household exposure RRs: 2

FUJI Study description Study title : Fuji
Full study title : 4 communities air pollution schools CS 1994
Study sex : both
Lowest age in study : 8
Highest age in study (at baseline): 11
Study race : all (in country)
Continent : Asia
Country in Asia : Japan
Location within country: Osaka, Kimitsu, Obitsu and Miyazaki
Start year of study : 1994
End year of study : 1994
Principal publication year: 2002
Reference ID of principal publication: FUJI2002
Overlap: none
Principal/subsidiary study: Principal
REF group : FUJI

Study design Study type : cross-sectional
Type of population : all in given school(s)
Respondent : Parent
Child smokes : No mention
Standard questionnaire: ATS/NHLI/ESP

Asthma Current asthma available: present
Source of current asthma diagnosis: Parent report (other/uns/mix)
Timing of current asthma: last n years (2<=n<5)
Description of current asthma: asthma (= ever had 2+ episodes of wheeze with dyspnoea, and asthma attack or need for medical treatment for asthma in last 2 years)
Number of current asthma cases: 65
Total number of subjects: 1037

Other results (not current db) Wheezing/wheezing bronchitis available: present Results available for asthma or wheeze, using a sex-, age- and location- matched subset of the symptom-free children as controls; also for 2+ episodes of wheeze in last 2 years without history of asthma

Derived 1 - RRs available Number of RRs : 1
Household exposure RRs: 1

GILLIL Study description Study title : Gilliland CHS
Full study title : Califrna Children's Health St school basln 1993,96
Study sex : both
Lowest age in study : 7
Highest age in study (at baseline): 19
Study race : all (in country)
Continent : NAmerica
Country in N America: USA
US state : Cal,Wash,Oreg
Location within country: 12 Southern California communities
Start year of study : 1993
End year of study : 1996
Principal publication year: 2001
Reference ID of principal publication: GILLIL2001
Reference ID of additional publication(s): PETERS1999, GILLIL2002, LI2000
Overlap: MCON1/GILLIL
Principal/subsidiary study: Principal
REF group : GILLIL
Comments : Results from GILLIL2002 not used because that is a subset of the study with genotyping available. Asthma-free subjects are the baseline for prospective study MCON1

Study design Study type : cross-sectional
Type of population : random in given school(s)
Respondent : Parent and child
Child smokes : Smokers excl questionnaire
Standard questionnaire: Non std/NA/NK
Comments : The treatment of child smokers in GILLIL2000 is unclear - methods say that they were either excluded or modelled as a potential confounder, but as none of the tables presented mention this as an adjusting variable, they have been assumed to have been excluded. Recruitment was of 4th graders in 1993 and 1996, and of 7th and 10th graders in 1993 only

GILLIL
(continued)

Asthma	<p>Lifetime/incidence/unspec asthma available: present Source of lifetime asthma diagnosis: Parent report (physician diag) Timing of lifetime asthma: Lifetime Timing of incidence asthma: NA (prevalence analysis only) Description of lifetime asthma: asthma Current asthma available: present Source of current asthma diagnosis: Parent report (other/uns/mix) Timing of current asthma: last n months (6<=n<12) Description of current asthma: ever phys-diag asthma and symptoms/illness last yr Number of lifetime asthma cases: 841 Number of current asthma cases: 487 Total number of subjects: 5762 Comments : Number of cases based on %, may be subject to rounding error</p>
Confounders considered	<p>Total number of adjustment factors used: 12 Adjusted for sex : present Adjusted for age : 2 Adjusted for race : 2 Adjusted for location within study: 1 Adjusted for family (parent/sibl) medical history: 2 Adjusted for child other medical history/symptoms: 2 Adjusted for maternal smoking in pregnancy: 1 Adjusted for household ETS exposure: 1</p>
Other results (not current db)	<p>Other definitions of asthma available: present Results available for medication for asthma Wheezing/wheezing bronchitis available: present Results available for wheeze in last 12m: with/without cold; persistent; attacks with SOB; at night; with exercise; medication for wheeze; ER for wheeze; also for wheeze ever) Results by other stratifying factors available: present Results for lifetime asthma stratified by age at diagnosis; by family history asthma; by family history atopy</p>
Derived 1 - RRs available	<p>Number of RRs : 63 Parental exposure RRs: 16 Household exposure RRs: 29 In utero x household combination exposure RRs: 18</p>
GOLD	<p>Study description</p> <p>Study title : Gold (6 Cities) Full study title : 6 US Cities Longitudinal 1974- Study sex : both Lowest age in study : 6 Highest age in study (at baseline): not assessable Highest age in study at final followup: 18 Study race : whites and blacks Continent : NAmerica Country in N America: USA US state : multi (not all) Location within country: 6 cities (in MA, TN, OH, MO, WI, KS) Start year of study : 1974 End year of study : 1979 Final follow up year: 1987 Principal publication year: 1993 Reference ID of principal publication: GOLD1993A Reference ID of additional publication(s): FERRIS1979,WARE1984,WANG1994A,NEAS1994 Overlap: none Principal/subsidiary study: Principal REF group : GOLD</p>
Study design	<p>Study type : prospective Type of population : all schoolchildren Respondent : Parent and child Child smokes : Smokers incl and adjusted for Standard questionnaire: ATS/NHLI/ESP</p>

GOLD
(continued)

Asthma	<p>Lifetime/incidence/unspec asthma available: present Source of lifetime asthma diagnosis: Parent or child rep (oth/unspe) Timing of lifetime asthma: Lifetime Timing of incidence asthma: NA (prevalence analysis only) Description of lifetime asthma: asthma Current asthma available: present Repeat measures for current asthma: present Source of current asthma diagnosis: Parent report (other/uns/mix) Timing of current asthma: last n months (12<=n<24) Description of current asthma: asthma Number of lifetime asthma cases: 968 Number of current asthma cases: 470 Total number of subjects: 9378 Comments : Number of current cases based on %, may be subject to rounding error</p>
Confounders considered	<p>Total number of adjustment factors used: 11 Adjusted for sex : present Adjusted for age : 1 Adjusted for race : 1 Adjusted for location within study: 1 Adjusted for family (parent/sibl) medical history: 1 Adjusted for SES (inc parental education): 1 Adjusted for household composition: 2 Adjusted for air conditioning/humidifier: 1 Adjusted for obesity/BMI: 1 Adjusted for child active smoking: 1 Other confounders considered but rejected: present Comments : Adjustment for COHE, SES, HOUS(2) rejected in stepwise MLR</p>
Other results (not current db)	<p>Wheezing/wheezing bronchitis available: present Results available for persistent wheeze; any wheeze; shortness of breath with wheeze Other exposures available: present Results available for respirable particulate matter (shown to correspond to household smoking) (NEAS1994) Other results for child smokers available: present Results available for child (active) smoking Results by other stratifying factors available: present Results available stratified by sex (for exposure respirable particulate matter only)</p>
Derived 1 - RRs available	<p>Number of RRs : 11 Parental exposure RRs: 11</p>
GOREN1 Study description	<p>Study title : Goren 1 Full study title : Sharonim power plant schools (grades 2&5) CS 1980 Study sex : both Lowest age in study : 7 Highest age in study (at baseline): 11 Study race : all (in country) Continent : Asia Country in Asia : Israel Location within country: within 19km of Sharonim power plant Start year of study : 1980 End year of study : 1980 Principal publication year: 1986 Reference ID of principal publication: GOREN1986 Reference ID of additional publication(s): GOREN1991A Overlap: GOREN1/GOREN3/4/5/6 Principal/subsidiary study: Principal REF group : GOREN1 Comments : This study includes baseline results for 2nd and 5th grade pupils. This overlaps with GOREN4 and GOREN5 which includes the same pupils when they were in grade 8 (1983 and 1986). 8th grade pupils for 1980 are entered separately as GOREN3</p>
Study design	<p>Study type : cross-sectional Type of population : school NOS Respondent : Parent Child smokes : No mention Standard questionnaire: ATS/NHLI/ESP Comments : Ages are approximate - 2nd and 5th grade pupils were included, but results are not available separately</p>

GOREN1
(continued)

Asthma Lifetime/incidence/unspec asthma available: present
 Source of lifetime asthma diagnosis: Parent report (other/uns/mix)
 Timing of lifetime asthma: unspecified
 Timing of incidence asthma: NA (prevalence analysis only)
 Description of lifetime asthma: asthma
 Number of lifetime asthma cases: 130
 Total number of subjects: 1410
 Comments : Number of cases based on %, may be subject to rounding error

Other results Wheezing/wheezing bronchitis available: present Results available for wheezing with
 (not current cold; for wheezing without cold
 db)

Derived 1 - Number of RRs : 4
 RRs available Parental exposure RRs: 2
 Household exposure RRs: 2

GOREN2 Study Study title : Goren 2
 description Full study title : Coastal towns schools CS 1982-84
 Study sex : both
 Lowest age in study : 7
 Highest age in study (at baseline): 11
 Study race : all (in country)
 Continent : Asia
 Country in Asia : Israel
 Location within country: 3 coastal towns: Ashdod, Hadera, Haifa
 Start year of study : 1982
 End year of study : 1984
 Principal publication year: 1995
 Reference ID of principal publication: GOREN1995
 Reference ID of additional publication(s): GOREN1991, GOREN1993
 Overlap: none
 Principal/subsidiary study: Principal
 REF group : GOREN2

Study design Study type : cross-sectional
 Type of population : all schoolchildren
 Respondent : Parent
 Child smokes : No mention
 Standard questionnaire: ATS/NHLI/ESP
 Comments : Ages are approximate - 2nd and 5th grade pupils were included,
 but results are not available separately

Asthma Lifetime/incidence/unspec asthma available: present
 Source of lifetime asthma diagnosis: Parent report (other/uns/mix)
 Timing of lifetime asthma: unspecified
 Timing of incidence asthma: NA (prevalence analysis only)
 Description of lifetime asthma: asthma
 Number of lifetime asthma cases: 664
 Total number of subjects: 6272
 Comments : Number of cases based on %, may be subject to rounding error

Confounders Total number of adjustment factors used: 3
 considered Adjusted for location within study: 1
 Adjusted for family (parent/sibl) medical history: 1
 Adjusted for parental smoking current/since birth: 1
 Other confounders considered but rejected: present
 Comments : Adjustment for SES, MOB and COHE rejected from backwards
 stepwise MLR

Other results Wheezing/wheezing bronchitis available: present Results available for wheezing with
 (not current cold; for wheezing without cold
 db)

Derived 1 - Number of RRs : 6
 RRs available Parental exposure RRs: 6

GOREN3 Study description Study title : Goren 3
Full study title : Sharonim power plant schools (grade 8) CS 1980
Study sex : both
Lowest age in study : 13
Highest age in study (at baseline): 14
Study race : all (in country)
Continent : Asia
Country in Asia : Israel
Location within country: within 19km of Sharonim power plant
Start year of study : 1980
End year of study : 1980
Principal publication year: 1997
Reference ID of principal publication: GOREN1997
Reference ID of additional publication(s): GOREN1991A
Overlap: none
Principal/subsidiary study: Principal
REF group : GOREN3
Comments : Same study as GOREN1 but separate age group. No overlap (either within year or with later studies)

Study design Study type : cross-sectional
Type of population : school NOS
Respondent : Parent
Child smokes : No mention
Standard questionnaire: ATS/NHLI/ESP
Comments : Age approximate, refers to 8th grade pupils

Asthma Lifetime/incidence/unspec asthma available: present
Source of lifetime asthma diagnosis: Parent report (other/uns/mix)
Timing of lifetime asthma: Lifetime
Timing of incidence asthma: NA (prevalence analysis only)
Description of lifetime asthma: asthma
Number of lifetime asthma cases: 42
Total number of subjects: 737
Comments : Number of cases based on %, may be subject to rounding error.
There is a minor discrepancy in the % between the text and the abstract

Confounders considered Total number of adjustment factors used: 5
Adjusted for location within study: 1
Adjusted for family (parent/sibl) medical history: 1
Adjusted for SES (inc parental education): 1
Adjusted for cooking/heating methods: 1
Adjusted for housing quality/age/size: 1

Other results (not current db) Wheezing/wheezing bronchitis available: present Results available for wheezing with SOB

Derived 1 - RRs available Number of RRs : 1
Parental exposure RRs: 1

GOREN4 Study description Study title : Goren 4
Full study title : Sharonim power plant schools (grade 8) CS 1983
Study sex : both
Lowest age in study : 13
Highest age in study (at baseline): 14
Study race : all (in country)
Continent : Asia
Country in Asia : Israel
Location within country: within 19km of Sharonim power plant
Start year of study : 1983
End year of study : 1983
Principal publication year: 1997
Reference ID of principal publication: GOREN1997
Reference ID of additional publication(s): GOREN1991A
Overlap: GOREN1/GOREN3/4/5/6
Principal/subsidiary study: Subsidiary
REF group : GOREN1
Comments : Followup study of pupils previously included in GOREN1 when they were in grade 5

Study design Study type : cross-sectional
Type of population : school NOS
Respondent : Parent
Child smokes : No mention
Standard questionnaire: ATS/NHLI/ESP
Comments : Age approximate, refers to 8th grade pupils

GOREN4
(continued)

Asthma Lifetime/incidence/unspec asthma available: present
Source of lifetime asthma diagnosis: Parent report (other/uns/mix)
Timing of lifetime asthma: Lifetime
Timing of incidence asthma: NA (prevalence analysis only)
Description of lifetime asthma: asthma
Number of lifetime asthma cases: 50
Total number of subjects: 698
Comments : Number of cases approximate (based on % read from graph)

Confounders considered Total number of adjustment factors used: 5
Adjusted for location within study: 1
Adjusted for family (parent/sibl) medical history: 1
Adjusted for SES (inc parental education): 1
Adjusted for cooking/heating methods: 1
Adjusted for housing quality/age/size: 1

Other results (not current db) Wheezing/wheezing bronchitis available: present Results available for wheezing with SOB

Derived 1 - RRs available Number of RRs : 1
Parental exposure RRs: 1

GOREN5 Study description Study title : Goren 5
Full study title : Sharonim power plant schools (grade 8) CS 1986
Study sex : both
Lowest age in study : 13
Highest age in study (at baseline): 14
Study race : all (in country)
Continent : Asia
Country in Asia : Israel
Location within country: within 19km of Sharonim power plant
Start year of study : 1986
End year of study : 1986
Principal publication year: 1997
Reference ID of principal publication: GOREN1997
Reference ID of additional publication(s): GOREN1991A
Overlap: GOREN1/GOREN3/4/5/6
Principal/subsidiary study: Subsidiary
REF group : GOREN1
Comments : Followup study of pupils previously included in GOREN1 when they were in grade 2

Study design Study type : cross-sectional
Type of population : school NOS
Respondent : Parent
Child smokes : No mention
Standard questionnaire: ATS/NHLI/ESP
Comments : Age approximate, refers to 8th grade pupils

Asthma Lifetime/incidence/unspec asthma available: present
Source of lifetime asthma diagnosis: Parent report (other/uns/mix)
Timing of lifetime asthma: Lifetime
Timing of incidence asthma: NA (prevalence analysis only)
Description of lifetime asthma: asthma
Number of lifetime asthma cases: 97
Total number of subjects: 993
Comments : Number of cases approximate (based on % read from graph)

Confounders considered Total number of adjustment factors used: 5
Adjusted for location within study: 1
Adjusted for family (parent/sibl) medical history: 1
Adjusted for SES (inc parental education): 1
Adjusted for cooking/heating methods: 1
Adjusted for housing quality/age/size: 1

Other results (not current db) Wheezing/wheezing bronchitis available: present Results available for wheezing with SOB

Derived 1 - RRs available Number of RRs : 1
Parental exposure RRs: 1

GOREN6 Study description Study title : Goren 6
Full study title : Sharonim power plant schools (grade 8) CS 1989
Study sex : both
Lowest age in study : 13
Highest age in study (at baseline): 14
Study race : all (in country)
Continent : Asia
Country in Asia : Israel
Location within country: within 19km of Sharonim power plant
Start year of study : 1989
End year of study : 1989
Principal publication year: 1997
Reference ID of principal publication: GOREN1997
Reference ID of additional publication(s): GOREN1991A
Overlap: none
Principal/subsidiary study: Principal
REF group : GOREN6
Comments : Followup study in the GOREN1/3/4/5/6 sequence, but not overlap

Study design Study type : cross-sectional
Type of population : school NOS
Respondent : Parent
Child smokes : No mention
Standard questionnaire: ATS/NHLI/ESP
Comments : Age approximate, refers to 8th grade pupils

Asthma Lifetime/incidence/unspec asthma available: present
Source of lifetime asthma diagnosis: Parent report (other/uns/mix)
Timing of lifetime asthma: Lifetime
Timing of incidence asthma: NA (prevalence analysis only)
Description of lifetime asthma: asthma
Number of lifetime asthma cases: 108
Total number of subjects: 963
Comments : Number of cases based on %, may be subject to rounding error

Confounders considered Total number of adjustment factors used: 5
Adjusted for location within study: 1
Adjusted for family (parent/sibl) medical history: 1
Adjusted for SES (inc parental education): 1
Adjusted for cooking/heating methods: 1
Adjusted for housing quality/age/size: 1

Other results (not current db) Wheezing/wheezing bronchitis available: present Results available for wheezing with SOB

Derived 1 - RRs available Number of RRs : 1
Parental exposure RRs: 1

GORTM1 Study description Study title : Gortmaker 1
Full study title : Genesee County household CS 1977
Study sex : both
Lowest age in study : 0
Highest age in study (at baseline): 17
Study race : all (in country)
Continent : NAmerica
Country in N America: USA
US state : Mich, Ind, Oh, Tenn
Location within country: Genesee County (Michigan)
Start year of study : 1977
End year of study : 1977
Principal publication year: 1982
Reference ID of principal publication: GORTMA1982
Overlap: none
Principal/subsidiary study: Principal
REF group : GORTM1

Study design Study type : cross-sectional
Type of population : random children
Respondent : Parent
Child smokes : No mention
Standard questionnaire: Non std/NA/NK
Comments : Respondent was adult family member, usually mother

GORTM1
(continued)

Asthma Lifetime/incidence/unspec asthma available: present
Source of lifetime asthma diagnosis: Parent report (other/uns/mix)
Timing of lifetime asthma: lifetime [corrected 19.4.05]
Timing of incidence asthma: NA (prevalence analysis only)
Description of lifetime asthma: asthma
Number of lifetime asthma cases: 188
Total number of subjects: 3072
Comments : Asthma was as reported by respondent, but all reporting asthma
also reported having seen a doctor about it

Confounders considered Total number of adjustment factors used: 8
Adjusted for sex : present
Adjusted for age : 1
Adjusted for SES (inc parental education): 2
Adjusted for child other medical history/symptoms: 2
Adjusted for parental smoking current/since birth: 2
Other confounders considered but rejected: present
Comments : Adjustment for RACE, LOC, HOCO, HOUS, SES rejected from final
model of MLR

Other results (not current db) Other definitions of asthma available: present Results available for functionally
impairing asthma (Does it affect his/her ability to attend school or do any of the
things a child his/her age usually does?)

Derived 1 - RRs available Number of RRs : 4
Parental exposure RRs: 4

GORTM2 Study description Study title : Gortmaker 2
Full study title : Berkshire County household CS 1980
Study sex : both
Lowest age in study : 0
Highest age in study (at baseline): 17
Study race : all (in country)
Continent : NAmerica
Country in N America: USA
US state : Vt,Me,NY,NH,Mass,RI,Conn
Location within country: Berkshire County (Massachusetts)
Start year of study : 1980
End year of study : 1980
Principal publication year: 1982
Reference ID of principal publication: GORTMA1982
Overlap: none
Principal/subsidiary study: Principal
REF group : GORTM2

Study design Study type : cross-sectional
Type of population : random children
Respondent : Household member
Child smokes : No mention
Standard questionnaire: Non std/NA/NK

Asthma Lifetime/incidence/unspec asthma available: present
Source of lifetime asthma diagnosis: Parent report (other/uns/mix)
Timing of lifetime asthma: lifetime [corrected 19.4.05]
Timing of incidence asthma: NA (prevalence analysis only)
Description of lifetime asthma: asthma
Number of lifetime asthma cases: 29
Total number of subjects: 894

Other results (not current db) Other definitions of asthma available: present Results available for functionally
impairing asthma (Does it affect his/her ability to attend school or do any of the
things a child his/her age usually does?)

Derived 1 - RRs available Number of RRs : 2
Parental exposure RRs: 2

GUPTA Study description Study title : Gupta
 Full study title : Chandigarh schools CS 1997-99
 Study sex : both
 Lowest age in study : 9
 Highest age in study (at baseline): 20
 Study race : all (in country)
 Continent : Asia
 Country in Asia : India
 Location within country: Chandigarh
 Start year of study : 1997
 End year of study : 1999
 Principal publication year: 2001
 Reference ID of principal publication: GUPTA2001
 Overlap: none
 Principal/subsidiary study: Principal
 REF group : GUPTA

Study design Study type : cross-sectional
 Type of population : random schoolchildren
 Respondent : Child
 Child smokes : No mention
 Standard questionnaire: IUATLD

Asthma Current asthma available: present
 Source of current asthma diagnosis: Child report (other/uns/mix)
 Timing of current asthma: last n months (12<=n<24)
 Description of current asthma: either wheezing or tightness in chest, and at least one
 of: previous diagnosis of asthma, asthma attack in last 12m, use of medication for
 asthma
 Number of current asthma cases: 205
 Total number of subjects: 9090

Confounders considered Total number of adjustment factors used: 2
 Adjusted for sex : present
 Adjusted for age : 1

Derived 1 - RRs available Number of RRs : 2
 Household exposure RRs: 2

GURKAN Study description Study title : Gurkan
 Full study title : Dicle hospital CC 1995-97
 Study sex : both
 Lowest age in study : 3
 Highest age in study (at baseline): 15
 Study race : all (in country)
 Continent : EEurope/Balkans
 Country in E Europe/Balkans: Turkey
 Location within country: Dicle
 Start year of study : 1995
 End year of study : 1997
 Principal publication year: 2002
 Reference ID of principal publication: GURKAN2002
 Overlap: none
 Principal/subsidiary study: Principal
 REF group : GURKAN

Study design Study type : case/control
 Type of controls (for CC studies): diseased/hospital
 Control diseases/cause of death: attending pediatric outpatient clinic
 Type of population : all in given hosp/clinic(s)
 Respondent : Parent
 Child smokes : No mention
 Standard questionnaire: Non std/NA/NK

Asthma Lifetime/incidence/unspec asthma available: present
 Source of lifetime asthma diagnosis: Med rec or par rep (oth/unsp)
 Timing of lifetime asthma: Lifetime
 Timing of incidence asthma: NA (prevalence analysis only)
 Description of lifetime asthma: ever phys-diag asthma or asthmatic symptoms such as
 SOB with wheezing
 Number of lifetime asthma cases: 140
 Total number of subjects: 236

Derived 1 - RRs available Number of RRs : 1
 Total exposure RRs : 1

HABY Study description Study title : Haby
Full study title : New South Wales 2 cities pre-school CS 1995
Study sex : both
Lowest age in study : 3
Highest age in study (at baseline): 5
Study race : all (in country)
Continent : Australasia
Country in Australasia: Australia
Location within country: Wagga Wagga and Lismore (New South Wales)
Start year of study : 1995
End year of study : 1995
Principal publication year: 2001
Reference ID of principal publication: HABY2001
Overlap: none
Principal/subsidiary study: Principal
REF group : HABY

Study design Study type : cross-sectional
Type of population : random children
Respondent : Parent
Child smokes : No mention
Standard questionnaire: Non std/NA/NK
Comments : Due to lack of unique register of preschool children,
recruitment was through immunisation records, day care, preschools and playgroups -
random sample in one city and all children in other

Asthma Current asthma available: present
Source of current asthma diagnosis: Parent report (other/uns/mix)
Timing of current asthma: last n months (12<=n<24)
Description of current asthma: ever phys diag asthma and medication in last 12m and
symptoms of cough or wheeze in last 12m
Number of current asthma cases: 190
Total number of subjects: 974

Confounders considered Total number of adjustment factors used: 10
Adjusted for sex : present
Adjusted for location within study: 1
Adjusted for family (parent/sibl) medical history: 1
Adjusted for household composition: 1
Adjusted for child other medical history/symptoms: 4
Adjusted for maternal smoking in pregnancy: 1
Adjusted for parental smoking current/since birth: 1

Derived 1 - RRs available Number of RRs : 4
Parental exposure RRs: 4

HAJNAL Study description Study title : Hajnal
Full study title : Swiss nationwide SCARPOL schools CS 1992-93 (SCARPOL=Swiss Study
on Childhood Allergy and Respiratory Symptoms with Respect to Air Pollution, Climate
and Pollen)
Study sex : both
Lowest age in study : 6
Highest age in study (at baseline): 14
Study race : all (in country)
Continent : WEurope/Scandinavia
Country in W Europe : Switzerland
Location within country: 10 communities nationwide
Start year of study : 1992
End year of study : 1993
Principal publication year: 1999
Reference ID of principal publication: HAJNAL1999
Reference ID of additional publication(s): BRAUNF1997
Overlap: none
Principal/subsidiary study: Principal
REF group : HAJNAL

Study design Study type : cross-sectional
Type of population : random schoolchildren
Respondent : Parent
Child smokes : Smokers excl questionnaire
Standard questionnaire: ISAAC
Comments : Children were in 3 age-groups: 6-7, 9-11 and 13-14. In the
smaller communities, all schoolchildren were included

HAJNAL
(continued)

Asthma	Lifetime/incidence/unspec asthma available: present Source of lifetime asthma diagnosis: Parent report (other/uns/mix) Timing of lifetime asthma: Lifetime Timing of incidence asthma: NA (prevalence analysis only) Description of lifetime asthma: asthma Number of lifetime asthma cases: 407 Total number of subjects: 4441
Confounders considered	Total number of adjustment factors used: 13 Adjusted for sex : present Adjusted for age : 1 Adjusted for location within study: 1 Adjusted for family (parent/sibl) medical history: 1 Adjusted for SES (inc parental education): 1 Adjusted for household composition: 1 Adjusted for cooking/heating methods: 2 Adjusted for damp/mould in home: 1 Adjusted for pets in household: 1 Adjusted for exposure to food/housedust allergens: 1 Adjusted for farming: 1 Adjusted for mobility (par/ch brn abrd, moved hous: 1
Other results (not current db)	Wheezing/wheezing bronchitis available: present Results available for wheezing in last 12m, and for wheezing after exercise in last 12m
Derived 1 - RRs available	Number of RRs : 4 Parental exposure RRs: 1 Household exposure RRs: 2 In utero x parent exposure combination RRs: 1
HJERN1 Study description	Study title : Hjern 1 Full study title : Swedish Surv Living Conditions CS 1996-97, mothers Study sex : both Lowest age in study : 3 Highest age in study (at baseline): 15 Study race : all (in country) Continent : WEurope/Scandinavia Country in W Europe : Sweden Location within country: nationwide Start year of study : 1996 End year of study : 1997 Principal publication year: 2001 Reference ID of principal publication: HJERN2001 Overlap: HJERN1/HJERN2 Principal/subsidiary study: Principal REF group : HJERN1 Comments : Study included a random sample of adults age 16-49, and results presented here relate to their children. These have been entered separately according to whether the adult respondent was the mother (HJERN1) or the father (HJERN2), since these are effectively independent subsets. However an apparent discrepancy in the numbers suggests that 10 children (0.2%) may have been in both parts
Study design	Study type : cross-sectional Type of population : all children rndm households Other exclusions : mother age 50+ Respondent : Parent Child smokes : No mention Standard questionnaire: Non std/NA/NK
Asthma	Current asthma available: present Source of current asthma diagnosis: Child report (physician diag) Timing of current asthma: current NOS Description of current asthma: allergic asthma (=gets asthma when in contact with pollen or furred animals) Number of current asthma cases: 119 Total number of subjects: 2543

HJERN1
(continued)

Confounders considered Total number of adjustment factors used: 9
 Adjusted for sex : present
 Adjusted for age : 1
 Adjusted for location within study: 2
 Adjusted for parent's age: 1
 Adjusted for SES (inc parental education): 1
 Adjusted for household composition: 2
 Adjusted for mobility (par/ch brn abrd, moved hous: 1

Derived 1 - Number of RRs : 16
 RRs available Parental exposure RRs: 16

HJERN2 Study Study title : Hjern 2
 description Full study title : Swedish Surv Living Conditions CS 1996-97, fathers
 Study sex : both
 Lowest age in study : 3
 Highest age in study (at baseline): 15
 Study race : all (in country)
 Continent : WEurope/Scandinavia
 Country in W Europe : Sweden
 Location within country: nationwide
 Start year of study : 1996
 End year of study : 1997
 Principal publication year: 2001
 Reference ID of principal publication: HJERN2001
 Overlap: HJERN1/HJERN2
 Principal/subsidiary study: Principal
 REF group : HJERN2
 Comments : Study included a random sample of adults age 16-49, and results presented here relate to their children. These have been entered separately according to whether the adult respondent was the mother (HJERN1) or the father (HJERN2), since these are effectively independent subsets. However an apparent discrepancy in the numbers suggests that 10 children (0.2%) may have been in both parts

Study design Study type : cross-sectional
 Type of population : all children rndm households
 Other exclusions : father age 50+
 Respondent : Parent
 Child smokes : No mention
 Standard questionnaire: Non std/NA/NK

Asthma Current asthma available: present
 Source of current asthma diagnosis: Child report (physician diag)
 Timing of current asthma: current NOS
 Description of current asthma: allergic asthma (=gets asthma when in contact with pollen or furred animals)
 Number of current asthma cases: 78
 Total number of subjects: 1939

Confounders considered Total number of adjustment factors used: 9
 Adjusted for sex : present
 Adjusted for age : 1
 Adjusted for location within study: 2
 Adjusted for parent's age: 1
 Adjusted for SES (inc parental education): 1
 Adjusted for household composition: 2
 Adjusted for mobility (par/ch brn abrd, moved hous: 1

Derived 1 - Number of RRs : 16
 RRs available Parental exposure RRs: 16

HOST	Study description	Study title : Host Full study title : Nordborg schools CS 1990 Study sex : both Lowest age in study : 6 Highest age in study (at baseline): 17 Study race : all (in country) Continent : WEurope/Scandinavia Country in W Europe : Denmark Location within country: Nordborg Start year of study : 1990 End year of study : 1990 Principal publication year: 1993 Reference ID of principal publication: HOST1993 Overlap: none Principal/subsidiary study: Principal REF group : HOST
	Study design	Study type : cross-sectional Type of population : all in given school(s) Medical exclusions : previous asthmatic bronchitis Respondent : Parent and child Child smokes : Smokers included Standard questionnaire: Non std/NA/NK
	Asthma	Current asthma available: present Source of current asthma diagnosis: Parent report (physician diag) Timing of current asthma: current NOS Description of current asthma: current/active physician diagnosed asthma Number of current asthma cases: 34 Total number of subjects: 776
	Other results (not current db)	Wheezing/wheezing bronchitis available: present Results available for past recurrent asthmatic bronchitis
	Derived 1 - RRs available	Number of RRs : 1 Parental exposure RRs: 1
HU1	Study description	Study title : Hu 1 Full study title : Chicago AA Youth Health Behavior Project CS 1994 Study sex : both Lowest age in study : 10 Highest age in study (at baseline): 11 Study race : all (in country) Continent : NAmerica Country in N America: USA US state : Minn, Ia, Wis, Ill, Mo Location within country: Chicago Start year of study : 1994 End year of study : 1994 Principal publication year: 1997 Reference ID of principal publication: HU1997B Overlap: none Principal/subsidiary study: Principal REF group : HU1
	Study design	Study type : cross-sectional Type of population : all in given school(s) Respondent : Parent Child smokes : Smokers incl and adjusted for Standard questionnaire: ISAAC
	Asthma	Lifetime/incidence/unspec asthma available: present Source of lifetime asthma diagnosis: Child report (physician diag) Timing of lifetime asthma: Lifetime Timing of incidence asthma: NA (prevalence analysis only) Description of lifetime asthma: asthma Current asthma available: present Source of current asthma diagnosis: Child report (other/uns/mix) Timing of current asthma: last n months (n<6) Description of current asthma: asthma medication (taken in last 2 weeks for asthma, wheezing or whistling in chest) Number of lifetime asthma cases: 114 Number of current asthma cases: 74 Total number of subjects: 517 Comments : Numbers of cases are approximate

HU1
(continued)

Confounders considered Total number of adjustment factors used: 8
 Adjusted for sex : present
 Adjusted for race : 1
 Adjusted for type of respondent: 1
 Adjusted for interview setting: 1
 Adjusted for SES (inc parental education): 1
 Adjusted for child active smoking: 1
 Adjusted for maternal smoking in pregnancy: 1
 Adjusted for parental smoking current/since birth: 1

Other results (not current db) Other definitions of asthma available: present Results available for emergency hospital treatment for asthma in last 12 months
 Wheezing/wheezing bronchitis available: present Results available for wheezing ever; wheezing in last 12 months; exercise related wheezing last 12 months

Derived 1 - RRs available Number of RRs : 6
 Parental exposure RRs: 6

HU2

Study description Study title : Hu 2
 Full study title : LA and San Diego schools smoking prev LS 1986-1993
 Study sex : both
 Lowest age in study : 13
 Highest age in study (at baseline): 15
 Highest age in study at final followup: 22
 Study race : all (in country)
 Continent : N America
 Country in N America: USA
 US state : Cal,Wash,Oreg
 Location within country: Los Angeles and San Diego
 Start year of study : 1986
 End year of study : 1986
 Final follow up year: 1993
 Principal publication year: 1997
 Reference ID of principal publication: HU1997C
 Overlap: none
 Principal/subsidiary study: Principal
 REF group : HU2

Study design Study type : prospective
 Type of population : school NOS
 Respondent : Parent and child
 Child smokes : Smokers included
 Standard questionnaire: Non std/NA/NK

Asthma Lifetime/incidence/unspec asthma available: present
 Source of lifetime asthma diagnosis: Child report (physician diag)
 Timing of lifetime asthma: Lifetime
 Timing of incidence asthma: NA (prevalence analysis only)
 Description of lifetime asthma: asthma
 Current asthma available: present
 Source of current asthma diagnosis: Child report (other/uns/mix)
 Timing of current asthma: last n months (12<=n<24)
 Description of current asthma: ever phys diag asthma and, in last 12m, either taking asthma medication or episode of cough/wheeze/SOB lasting 3+ days
 Number of lifetime asthma cases: 242
 Number of current asthma cases: 165
 Total number of subjects: 1476
 Comments : Number of subjects based on Table 2, although this exceeds number stated in text (by 7)

Confounders considered Total number of adjustment factors used: 3
 Adjusted for sex : present
 Adjusted for race : 1
 Adjusted for SES (inc parental education): 1
 Comments : SES refers to child's own educational level

Other results (not current db) Other results for child smokers available: present Results available for child (active) smoking

Derived 1 - RRs available Number of RRs : 24
 Parental exposure RRs: 24

HUGHES Study description Study title : Hughes
Full study title : Plymouth GP CS 1993-94
Study sex : both
Lowest age in study : 4
Highest age in study (at baseline): 16
Study race : all (in country)
Continent : WEurope/Scandinavia
Country in W Europe : UK
Location within country: Estover (Plymouth)
Start year of study : 1993
End year of study : 1994
Principal publication year: 1995
Reference ID of principal publication: HUGHES1995
Overlap: none
Principal/subsidiary study: Principal
REF group : HUGHES

Study design Study type : case/control
Type of controls (for CC studies): healthy
Type of population : all at given primary care(s)
Type of population - controls (if diff from cases): no atopy
Respondent : Unspec (parent/child)
Child smokes : No mention
Standard questionnaire: Non std/NA/NK

Asthma Current asthma available: present
Source of current asthma diagnosis: Medical records
Timing of current asthma: last n months (12<=n<24)
Description of current asthma: receiving treatment for asthma in last year
Number of current asthma cases: 44
Total number of subjects: 88

Matching factors Cases and controls matched on sex: present
Cases and controls matched on age (CC): present

Derived 1 - RRs available Number of RRs : 1
Parental exposure RRs: 1

INFANT Study description Study title : Infante-Rivard
Full study title : Montreal ER incident CC 1988-90
Study sex : both
Lowest age in study : 3
Highest age in study (at baseline): 4
Study race : all (in country)
Continent : NAmerica
Country in N America: Canada
Location within country: Montreal (Quebec)
Start year of study : 1988
End year of study : 1990
Principal publication year: 1993
Reference ID of principal publication: INFANT1993
Reference ID of additional publication(s): INFANT1999
Overlap: none
Principal/subsidiary study: Principal
REF group : INFANT

Study design Study type : case/control
Type of controls (for CC studies): healthy
Type of population : all in given hosp/clinic(s)
Other exclusions : not local resident
Type of population - controls (if diff from cases): rndm hosp catchment no hist as
Respondent : Parent
Child smokes : No mention
Standard questionnaire: Non std/NA/NK
Comments : Cases only were traced after 7 years, but only baseline results entered here

Asthma Current asthma available: present
Current asthma is first occurrence: present
Source of current asthma diagnosis: Medical records
Timing of current asthma: current diagnosis
Description of current asthma: asthma compatible with ICD(9) code 493
Number of current asthma cases: 457
Total number of subjects: 914

Matching factors Cases and controls matched on age (CC): present
Matched on location (within study area): present

INFANT
(continued)

Confounders considered	Total number of adjustment factors used: 29 Adjusted for sex : present Adjusted for age : 1 Adjusted for location within study: 1 Adjusted for family (parent/sibl) medical history: 3 Adjusted for SES (inc parental education): 2 Adjusted for air conditioning/humidifier: 4 Adjusted for cooking/heating methods: 5 Adjusted for damp/mould in home: 1 Adjusted for housing quality/age/size: 1 Adjusted for pets in household: 1 Adjusted for exposure to food/housedust allergens: 1 Adjusted for child other medical history/symptoms: 5 Adjusted for parental smoking current/since birth: 2 Adjusted for household ETS exposure: 1
Other results (not current db)	Other definitions of asthma available: present Results available for persistent and transient asthma (assessed at 7-year followup of cases)
Derived 1 - RRs available	Number of RRs : 14 Parental exposure RRs: 12 Household exposure RRs: 2
JAAKKO Study description	Study title : Jaakkola Full study title : Oslo birth cohort 1992-93 PS to 1996 Study sex : both Lowest age in study : 0 Highest age in study (at baseline): 0 Highest age in study at final followup: 4 Study race : all (in country) Continent : WEurope/Scandinavia Country in W Europe : Norway Location within country: Oslo Start year of study : 1992 End year of study : 1993 Final follow up year: 1996 Principal publication year: 2001 Reference ID of principal publication: JAAKKO2001A Reference ID of additional publication(s): NAFSTA1997A Overlap: none Principal/subsidiary study: Principal REF group : JAAKKO
Study design	Study type : prospective Type of population : all newborns at given hosp(s) Medical exclusions : birthwt <2000gm, serious neonatal respiratory, cardiovascular, neuromuscular or metabolic disease, assisted ventilation >6hrs Other exclusions : not permanent Oslo resident, plans to move away, non-Norwegian speaking, not living with any biologic parent, history of drug abuse in family Respondent : Parent Child smokes : No mention Standard questionnaire: Non std/NA/NK
Asthma	Current asthma available: present Source of current asthma diagnosis: Parent report (other/uns/mix) Timing of current asthma: last n months (12<=n<24) Description of current asthma: phys diag asthma, and symptoms in last 12m Number of current asthma cases: 164 Total number of subjects: 2531
Confounders considered	Total number of adjustment factors used: 7 Adjusted for sex : present Adjusted for family (parent/sibl) medical history: 1 Adjusted for parent's age: 1 Adjusted for SES (inc parental education): 2 Adjusted for household composition: 1 Adjusted for child other medical history/symptoms: 1

JAAKKO
(continued)

Other results (not current db) Other definitions of asthma available: present Results available for early onset asthma (bronchial obstruction as defined for WHEEZE before age 2, physician diagnosed asthma, symptoms of asthma in 12m to age 4)
Wheezing/wheezing bronchitis available: present Results available for bronchial obstruction (physician diagnosed, at least 3 of: wheezing, chest recession, rhonchi during auscultation, forced expiration, rapid breathing; at least 2 episodes or 1 episode lasting more than 1 month) at age 2
Results by other stratifying factors available: present Results available stratified by parental atopy

Derived 1 - Number of RRs : 2
RRs available Household exposure RRs: 2

JENKIN Study description Study title : Jenkins
Full study title : Tasmania schools 1961 cohort CS 1968
Study sex : both
Lowest age in study : 7
Highest age in study (at baseline): 7
Study race : all (in country)
Continent : Australasia
Country in Australasia: Australia
Location within country: Tasmania
Start year of study : 1968
End year of study : 1968
Principal publication year: 1993
Reference ID of principal publication: JENKIN1993
Overlap: none
Principal/subsidiary study: Principal
REF group : JENKIN

Study design Study type : cross-sectional
Type of population : all schoolchildren
Respondent : Parent
Child smokes : No mention
Standard questionnaire: Non std/NA/NK

Asthma Lifetime/incidence/unspec asthma available: present
Source of lifetime asthma diagnosis: Parent report (other/uns/mix)
Timing of lifetime asthma: Lifetime
Timing of incidence asthma: NA (prevalence analysis only)
Description of lifetime asthma: asthma (= attacks of asthma or wheezy breathing)
Number of lifetime asthma cases: 1349
Total number of subjects: 8585

Confounders considered Total number of adjustment factors used: 8
Adjusted for sex : present
Adjusted for family (parent/sibl) medical history: 2
Adjusted for child other medical history/symptoms: 4
Adjusted for parental smoking current/since birth: 1
Other confounders considered but rejected: present
Comments : Adjustment for FMED(2) and paternal smoking were rejected due to lack of significance at p=0.01 in forward selection in MLR

Derived 1 - Number of RRs : 6
RRs available Parental exposure RRs: 6

JONES Study description Study title : Jones
Full study title : Plymouth GP CC 1996
Study sex : both
Lowest age in study : 4
Highest age in study (at baseline): 16
Study race : all (in country)
Continent : WEurope/Scandinavia
Country in W Europe : UK
Location within country: Roborough (Plymouth)
Start year of study : 1996
End year of study : 1996
Principal publication year: 1999
Reference ID of principal publication: JONES1999B
Overlap: none
Principal/subsidiary study: Principal
REF group : JONES

Study design Study type : case/control
Type of controls (for CC studies): healthy
Type of population : random primary care patients
Other exclusions : sibling also in study
Type of population - controls (if diff from cases): no atopy
Respondent : Unspec (parent/child)
Child smokes : No mention
Standard questionnaire: Non std/NA/NK

Asthma Current asthma available: present
Source of current asthma diagnosis: Medical records
Timing of current asthma: last n months (12<=n<24)
Description of current asthma: on practice asthma register (clinical diagnosis supported by response to treatment and/or peak flow measurement)
Number of current asthma cases: 100
Total number of subjects: 200
Comments : All cases had received treatment within the last year, but it is not clear that this was a requirement to be on the register

Matching factors Cases and controls matched on sex: present
Cases and controls matched on age (CC): present

Derived 1 - RRs available Number of RRs : 3
Parental exposure RRs: 3

KALYO1 Study description Study title : Kalyoncu 1
Full study title : Ankara single school CS 1992
Study sex : both
Lowest age in study : 6
Highest age in study (at baseline): 12
Study race : all (in country)
Continent : EEurope/Balkans
Country in E Europe/Balkans: Turkey
Location within country: Ankara
Start year of study : 1992
End year of study : 1992
Principal publication year: 1994
Reference ID of principal publication: KALYON1994
Overlap: none
Principal/subsidiary study: Principal
REF group : KALYO1

Study design Study type : cross-sectional
Type of population : all in given school(s)
Respondent : Parent
Child smokes : No mention
Standard questionnaire: Non std/NA/NK

Asthma Lifetime/incidence/unspec asthma available: present
Source of lifetime asthma diagnosis: Parent report (physician diag)
Timing of lifetime asthma: Lifetime
Timing of incidence asthma: NA (prevalence analysis only)
Description of lifetime asthma: asthma
Current asthma available: present
Source of current asthma diagnosis: Parent report (other/uns/mix)
Timing of current asthma: last n months (12<=n<24)
Description of current asthma: ever phys diag asthma and symptoms in last 12m
Number of lifetime asthma cases: 180
Number of current asthma cases: 86
Total number of subjects: 1036

KALY01
(continued)

Other results (not current db) Wheezing/wheezing bronchitis available: present Results available for wheezing (observed by parents) ever, and in last 12m

Derived 1 - RRs available Number of RRs : 2
Household exposure RRs: 2

KALY02 Study description Study title : Kalyoncu 2
Full study title : Ankara single school CS 1997
Study sex : both
Lowest age in study : 6
Highest age in study (at baseline): 13
Study race : all (in country)
Continent : EEurope/Balkans
Country in E Europe/Balkans: Turkey
Location within country: Ankara
Start year of study : 1997
End year of study : 1997
Principal publication year: 1999
Reference ID of principal publication: KALYON1999
Overlap: none
Principal/subsidiary study: Principal
REF group : KALY02
Comments : Conducted at same school as study KALY01, but all pupils included in that study had graduated, so there is no overlap

Study design Study type : cross-sectional
Type of population : all in given school(s)
Respondent : Parent
Child smokes : No mention
Standard questionnaire: Non std/NA/NK

Asthma Current asthma available: present
Source of current asthma diagnosis: Parent report (other/uns/mix)
Timing of current asthma: last n months (12<=n<24)
Description of current asthma: ever phys diag asthma and symptoms in last 12m
Number of current asthma cases: 72
Total number of subjects: 738

Confounders considered Total number of adjustment factors used: 5
Adjusted for sex : present
Adjusted for family (parent/sibl) medical history: 1
Adjusted for SES (inc parental education): 1
Adjusted for pets in household: 1
Adjusted for child other medical history/symptoms: 1

Other results (not current db) Wheezing/wheezing bronchitis available: present Results available for wheeze (observed by parents) in last 12m

Derived 1 - RRs available Number of RRs : 1
Household exposure RRs: 1

KAPLAN Study description Study title : Kaplan (NCDS)
Full study title : National Child Development Study PS 1958-1964
Study sex : both
Lowest age in study : 0
Highest age in study (at baseline): 0
Highest age in study at final followup: 7
Study race : all (in country)
Continent : WEurope/Scandinavia
Country in W Europe : UK
Location within country: nationwide
Start year of study : 1958
End year of study : 1958
Final follow up year: 1964
Principal publication year: 1985
Reference ID of principal publication: KAPLAN1985
Reference ID of additional publication(s): ANDERS1986, FOGELM1980, LEWIS1996, STRACH1988, STRACH1996, ANDERS1987, STRACH1995B, ANDERS1992B
Overlap: none
Principal/subsidiary study: Principal
REF group : KAPLAN

KAPLAN
(continued)

Comments : Children of participants in this study were included in study
ANNESI

Study design Study type : prospective
Type of population : all children
Respondent : Parent
Child smokes : No mention anal (but in quest)
Standard questionnaire: Non std/NA/NK
Comments : Subjects were all children born in a given week in 1958,
subsequent immigrants with the same birth week were recruited later. Questions about
child smoking may have been in later follow-ups than those used here

Asthma Lifetime/incidence/unspec asthma available: present
Source of lifetime asthma diagnosis: Parent report (other/uns/mix)
Timing of lifetime asthma: NA (incidence only)
Timing of incidence asthma: lifetime (recruit at birth)
Description of lifetime asthma: ever had attacks of asthma
Number of lifetime asthma cases: 430
Total number of subjects: 18559

Other results Wheezing/wheezing bronchitis available: present Results available for 'asthma, or
(not current bronchitis with wheezing'. These were combined in most analyses because 'there are no
db) good clinical or pathological grounds for distinguishing them'
Results by other stratifying factors available: present Results for asthma or
bronchitis with wheezing are available by various strata

Derived 1 - Number of RRs : 1
RRs available Parental exposure RRs: 1

KARUNA Study Study title : Karunasekera
description Full study title : Gampaha hospital CC 1996-1997
Study sex : both
Lowest age in study : 1
Highest age in study (at baseline): 10
Study race : all (in country)
Continent : Asia
Country in Asia : Sri Lanka
Location within country: Gampala district (Western Province)
Start year of study : 1996
End year of study : 1997
Principal publication year: 2001
Reference ID of principal publication: KARUNA2001
Overlap: none
Principal/subsidiary study: Principal
REF group : KARUNA

Study design Study type : case/control
Type of controls (for CC studies): diseased/hospital
Control diseases/cause of death: any inpatients
Type of population : random in given hosp/clinic(s)
Type of population - controls (if diff from cases): no history asthma
Respondent : Parent
Child smokes : No mention
Standard questionnaire: Non std/NA/NK

Asthma Current asthma available: present
Source of current asthma diagnosis: Medical records
Timing of current asthma: current diagnosis
Description of current asthma: inpatient admission, 2+ episodes of asthma, more severe
than cough and wheeze
Number of current asthma cases: 300
Total number of subjects: 600

Matching Cases and controls matched on age (CC): present
factors

Confounders Total number of adjustment factors used: 10
considered Adjusted for family (parent/sibl) medical history: 6
Adjusted for SES (inc parental education): 1
Adjusted for exposure to food/housedust allergens: 1
Adjusted for child other medical history/symptoms: 2
Other confounders considered but rejected: present
Comments : Adjustment for CMED(2), DAMP, PETS, SES(2) rejected due to lack
of significance in MLR

KARUNA
(continued)

Derived 1 - Number of RRs : 2
RRs available Total exposure RRs : 2

KAY Study description Study title : Kay
Full study title : Birmingham GP CS (ca 1994?)
Study sex : both
Lowest age in study : 3
Highest age in study (at baseline): 11
Study race : all (in country)
Continent : WEurope/Scandinavia
Country in W Europe : UK
Location within country: Birmingham
Start year of study : not assessable
End year of study : not assessable
Principal publication year: 1995
Reference ID of principal publication: KAY1995
Overlap: none
Principal/subsidiary study: Principal
REF group : KAY

Study design Study type : cross-sectional
Type of population : all primary care patients
Respondent : Parent
Child smokes : No mention
Standard questionnaire: Non std/NA/NK

Asthma Lifetime/incidence/unspec asthma available: present
Source of lifetime asthma diagnosis: Parent report (other/uns/mix)
Timing of lifetime asthma: unspecified
Timing of incidence asthma: NA (prevalence analysis only)
Description of lifetime asthma: asthma
Number of lifetime asthma cases: 211
Total number of subjects: 1077

Confounders considered Total number of adjustment factors used: 3
Adjusted for child other medical history/symptoms: 1
Adjusted for parental smoking current/since birth: 2

Other results (not current db) Results by other stratifying factors available: present Results available stratified by child's eczema; and by social class

Derived 1 - Number of RRs : 26
RRs available Parental exposure RRs: 26

KEARNE Study description Study title : Kearney
Full study title : Cork CS of travelling and settled families 1997
Study sex : male
Lowest age in study : 6
Highest age in study (at baseline): 12
Study race : all (in country)
Continent : WEurope/Scandinavia
Country in W Europe : Ireland
Location within country: Cork
Start year of study : 1997
End year of study : 1997
Principal publication year: 1998
Reference ID of principal publication: KEARNE1998
Overlap: none
Principal/subsidiary study: Principal
REF group : KEARNE

Study design Study type : cross-sectional
Type of population : all travellers + all gvn schl
Other exclusions : away at time of study
Respondent : Parent
Child smokes : No mention
Standard questionnaire: ISAAC
Comments : Subjects were all children from all travelling families living in Cork (apart from a few families that were travelling at the time), plus settled children from a primary school

KEARNE
(continued)

Asthma Lifetime/incidence/unspec asthma available: present
 Source of lifetime asthma diagnosis: Parent report (physician diag)
 Timing of lifetime asthma: unspecified
 Timing of incidence asthma: NA (prevalence analysis only)
 Description of lifetime asthma: asthma
 Number of lifetime asthma cases: 37
 Total number of subjects: 173

Other results Other definitions of asthma available: present Result available for exercise induced
 (not current asthma
 db) Wheezing/wheezing bronchitis available: present Results available for wheeze ever; for
 wheeze in last 12m

Derived 1 - Number of RRs : 1
 RRs available Household exposure RRs: 1

KELLY Study Study title : Kelly
 description Full study title : 2nd Merseyside primary school dust expos CS 1993
 Study sex : both
 Lowest age in study : 5
 Highest age in study (at baseline): 11
 Study race : all (in country)
 Continent : WEurope/Scandinavia
 Country in W Europe : UK
 Location within country: 3 areas in Merseyside
 Start year of study : 1993
 End year of study : 1993
 Principal publication year: 1995
 Reference ID of principal publication: KELLY1995
 Reference ID of additional publication(s): BRABIN1994
 Overlap: KELLY/BRABIN
 Principal/subsidiary study: Subsidiary
 REF group : BRABIN
 Comments : Overlaps with study BRABIN which was conducted 2 years earlier
 at the same schools but including only 50% (rather than all) children. 29% of
 children in this study had previously been included in study BRABIN

Study design Study type : cross-sectional
 Type of population : random schoolchildren
 Respondent : Parent
 Child smokes : No mention
 Standard questionnaire: Non std/NA/NK

Asthma Lifetime/incidence/unspec asthma available: present
 Source of lifetime asthma diagnosis: Parent report (physician diag)
 Timing of lifetime asthma: Lifetime
 Timing of incidence asthma: NA (prevalence analysis only)
 Description of lifetime asthma: asthma or bronchial asthma
 Number of lifetime asthma cases: 748
 Total number of subjects: 3746
 Comments : Number of asthma cases is approximate (numbers included in an
 analysis of maternal asthma x full/pre term birth)

Other results Wheezing/wheezing bronchitis available: present Results available for presence of
 (not current cough wheeze and breathlessness
 db)

Derived 1 - Number of RRs : 2
 RRs available Parental exposure RRs: 1
 Parental passive smoking exposure RRs: 1

KENDIR Study description Study title : Kendirli
Full study title : Adana schools CS 1993-94
Study sex : both
Lowest age in study : 6
Highest age in study (at baseline): 14
Study race : all (in country)
Continent : EEurope/Balkans
Country in E Europe/Balkans: Turkey
Location within country: Adana
Start year of study : 1993
End year of study : 1994
Principal publication year: 1998
Reference ID of principal publication: KENDIR1998
Overlap: none
Principal/subsidiary study: Principal
REF group : KENDIR

Study design Study type : cross-sectional
Type of population : random schoolchildren
Respondent : Parent
Child smokes : No mention
Standard questionnaire: Non std/NA/NK

Asthma Lifetime/incidence/unspec asthma available: present
Source of lifetime asthma diagnosis: Parent report (physician diag)
Timing of lifetime asthma: Lifetime
Timing of incidence asthma: NA (prevalence analysis only)
Description of lifetime asthma: asthma
Number of lifetime asthma cases: 304
Total number of subjects: 2334
Comments : Number of cases is shown as 302 in Table 2 but 304 in Table 3
(page 348 KENDIR1998)

Other results (not current db) Wheezing/wheezing bronchitis available: present results available for ever wheezing
(as observed by parents)

Derived 1 - RRs available Number of RRs : 1
Household exposure RRs: 1

KERSHA Study description Study title : Kershaw
Full study title : Gosport Naval hospital CC 1983-85
Study sex : both
Lowest age in study : 0
Highest age in study (at baseline): 5
Study race : all (in country)
Continent : WEurope/Scandinavia
Country in W Europe : UK
Location within country: Gosport
Start year of study : 1983
End year of study : 1985
Principal publication year: 1987
Reference ID of principal publication: KERSHA1987
Overlap: none
Principal/subsidiary study: Principal
REF group : KERSHA

Study design Study type : case/control
Type of controls (for CC studies): healthy
Type of population : all in given hosp/clinic(s)
Medical exclusions : cystic fibrosis, tracheal-oesophageal fistula, congenital
collapsing bronchus, immotile cilia syndrome
Type of population - controls (if diff from cases): all newborns
Respondent : Parent
Child smokes : No mention
Standard questionnaire: Non std/NA/NK
Comments : Controls were age 4 weeks, interviews 1983-1984

Asthma Lifetime/incidence/unspec asthma available: present
Source of lifetime asthma diagnosis: Medical records
Timing of lifetime asthma: Lifetime
Timing of incidence asthma: NA (prevalence analysis only)
Description of lifetime asthma: asthmatic (= presenting any resp illness, had had 3+
bouts of bronchitis or bronchiolitis in any 6m period, and also had either definite
intermittent wheeze or chronic night cough)
Number of lifetime asthma cases: 86
Total number of subjects: 1285

KERSHA
(continued)

Confounders considered Total number of adjustment factors used: 1
Adjusted for SES (inc parental education): 1
Comments : Refers to father's occupation (services/civilian)

Other results (not current db) Results by other stratifying factors available: present Results available stratified by father's occupation (services/civilian)

Derived 1 - RRs available Number of RRs : 8
Parental exposure RRs: 4
Household exposure RRs: 4

KIVITY Study description Study title : Kivity
Full study title : Zichron Yaakov & Paradis schools CS (ca 1998?)
Study sex : both
Lowest age in study : 8
Highest age in study (at baseline): 17
Study race : all (in country)
Continent : Asia
Country in Asia : Israel
Location within country: Zichron Yaakov and Paradis
Start year of study : not assessable
End year of study : not assessable
Principal publication year: 2001
Reference ID of principal publication: KIVITY2001
Overlap: none
Principal/subsidiary study: Principal
REF group : KIVITY

Study design Study type : cross-sectional
Type of population : random schoolchildren
Respondent : Parent
Child smokes : No mention
Standard questionnaire: ATS/NHLI/ESP

Asthma Lifetime/incidence/unspec asthma available: present
Source of lifetime asthma diagnosis: Parent report (other/uns/mix)
Timing of lifetime asthma: unspecified
Timing of incidence asthma: NA (prevalence analysis only)
Description of lifetime asthma: bronchial asthma
Number of lifetime asthma cases: 140
Total number of subjects: 1243
Comments : Number of cases based on %, may be subject to rounding error

Confounders considered Total number of adjustment factors used: 4
Adjusted for sex : present
Adjusted for race : 1
Adjusted for family (parent/sibl) medical history: 1
Adjusted for household composition: 1
Comments : Race refers to town of residence, the towns being Jewish and Arab respectively

Derived 1 - RRs available Number of RRs : 5
Parental exposure RRs: 5

KNIGHT Study description Study title : Knight
Full study title : Toronto pediatrician CS 1993
Study sex : both
Lowest age in study : 2
Highest age in study (at baseline): 18
Study race : all (in country)
Continent : NAmerica
Country in N America: Canada
Location within country: Toronto
Start year of study : 1993
End year of study : 1993
Principal publication year: 1998
Reference ID of principal publication: KNIGHT1998
Overlap: none
Principal/subsidiary study: Principal
REF group : KNIGHT

KNIGHT
(continued)

Study design Study type : cross-sectional
 Type of population : primary care NOS
 Medical exclusions : history of chronic cough or wheeze, exercise-induced cough or wheeze, or SOB without current diagnosis of asthma
 Respondent : Parent and child
 Child smokes : Smkrs above given age excluded
 Standard questionnaire: Non std/NA/NK
 Comments : Subjects age 7+ completed confidential questionnaire and 4 active smokers were excluded

Asthma Current asthma available: present
 Source of current asthma diagnosis: Medical records
 Timing of current asthma: current diagnosis
 Description of current asthma: asthma (= clinic diagnosis of repeated reversible episodes of bronchoconstriction manifested as cough or wheeze, verified by pulmonary function tests)
 Number of current asthma cases: 78
 Total number of subjects: 164

Derived 1 - Number of RRs : 4
 RRs available Household exposure RRs: 1
 Biochemical exposure RRs: 3

KUEHR Study Study title : Kuehr
 description Full study title : SW Germany schools baseline CS 1990
 Study sex : both
 Lowest age in study : 6
 Highest age in study (at baseline): 8
 Study race : all (in country)
 Continent : WEurope/Scandinavia
 Country in W Europe : Germany
 Location within country: Freiburg, Kehl & Lorrach/Weil
 Start year of study : 1990
 End year of study : 1990
 Principal publication year: 1992
 Reference ID of principal publication: KUEHR1992
 Reference ID of additional publication(s): MEINER1994, HENSCH1997, KUEHR1992A, FRISCH1993 FRISCH1992A
 Overlap: KUEHR/SPIEKE
 Principal/subsidiary study: Principal
 REF group : KUEHR
 Comments : KUEHR is baseline study. A subset of subjects were included in two follow-ups which included cotinine assessment, and have been entered as SPIEKE

Study design Study type : cross-sectional
 Type of population : all schoolchildren
 Respondent : Parent
 Child smokes : No mention
 Standard questionnaire: Non std/NA/NK

Asthma Lifetime/incidence/unspec asthma available: present
 Source of lifetime asthma diagnosis: Parent report (physician diag)
 Timing of lifetime asthma: Lifetime
 Timing of incidence asthma: NA (prevalence analysis only)
 Description of lifetime asthma: asthma (= asthma or recurrent wheezy bronchitis)
 Number of lifetime asthma cases: 162
 Total number of subjects: 1401

Confounders Total number of adjustment factors used: 1
 considered Adjusted for child other medical history/symptoms: 1

Other results Other definitions of asthma available: present Results available for allergic asthma
 (not current (= as sensitization in SPT to 1+ aeroallergen, and either physician diagnosed
 db) bronchial asthma or at least one symptom: frequent cough after exercise/when exposed to cold; ever wheezing; cough or SOB at night; ever had attacks of SOB or breathlessness)
 Other exposures available: present Results available for mother started/quit smoking between child's age 1 and age 7 (FRISCH1993)
 Results by other stratifying factors available: present Results available stratified by atopy (FRISCH1993); by bronchial hyper-reactivity (MEINER1994)

Derived 1 - Number of RRs : 8
 RRs available Parental exposure RRs: 8

KUHR Study description Study title : Kuhr
Full study title : Freiburg & Black Forest air poll family CS 1987-88
Study sex : both
Lowest age in study : 7
Highest age in study (at baseline): 16
Study race : all (in country)
Continent : WEurope/Scandinavia
Country in W Europe : Germany
Location within country: Freiburg city and two Black Forest communities
Start year of study : 1987
End year of study : 1988
Principal publication year: 1991
Reference ID of principal publication: KUHR1991
Reference ID of additional publication(s): MATTES1999
Overlap: none
Principal/subsidiary study: Principal
REF group : KUHR

Study design Study type : cross-sectional
Type of population : all children rndm households
Medical exclusions : acute infection
Respondent : Parent
Child smokes : Smokers excl questionnaire
Standard questionnaire: Non std/NA/NK

Asthma Lifetime/incidence/unspec asthma available: present
Source of lifetime asthma diagnosis: Parent report (physician diag)
Timing of lifetime asthma: Lifetime
Timing of incidence asthma: NA (prevalence analysis only)
Description of lifetime asthma: answered Yes or Dont know to ever phys diag asthma
Number of lifetime asthma cases: 41
Total number of subjects: 704

Confounders considered Total number of adjustment factors used: 6
Adjusted for sex : present
Adjusted for location within study: 2
Adjusted for cooking/heating methods: 1
Adjusted for housing quality/age/size: 1
Adjusted for child other medical history/symptoms: 1
Other confounders considered but rejected: present
Comments : HOUS refers to an index based on house construction, insulation, damp and ventilation. Adjustment for NO2 (in district), FMED(4), CMED, SES, AGE rejected from MLR

Derived 1 - RRs available Number of RRs : 6
Parental exposure RRs: 6

LAM1 Study description Study title : Lam 1
Full study title : Nationwide secondary schools CS 1994
Study sex : both
Lowest age in study : 12
Highest age in study (at baseline): 15
Study race : all (in country)
Continent : Asia
Country in Asia : HongKong
Location within country: nationwide
Start year of study : 1994
End year of study : 1994
Principal publication year: 1998
Reference ID of principal publication: LAM1998
Overlap: none
Principal/subsidiary study: Principal
REF group : LAM1

Study design Study type : cross-sectional
Type of population : random schoolchildren
Other exclusions : English-speaking and International schools
Respondent : Child
Child smokes : Smokers excl questionnaire
Standard questionnaire: Non std/NA/NK

LAM1
(continued)

Asthma Lifetime/incidence/unspec asthma available: present
Source of lifetime asthma diagnosis: Child report (physician diag)
Timing of lifetime asthma: Lifetime
Timing of incidence asthma: NA (prevalence analysis only)
Description of lifetime asthma: asthma
Current asthma available: present
Source of current asthma diagnosis: Child report (other/uns/mix)
Timing of current asthma: last n months (n<6)
Description of current asthma: use of asthma medication in last 2 days
Number of lifetime asthma cases: 363
Number of current asthma cases: 67
Total number of subjects: 4482
Comments : Number of cases based on %, may be subject to rounding error

Confounders considered Total number of adjustment factors used: 4
Adjusted for sex : present
Adjusted for age : 1
Adjusted for location within study: 1
Adjusted for SES (inc parental education): 1

Other results (not current db) Wheezing/wheezing bronchitis available: present Results available for wheezing ever;
for wheezing in last 3 months
Other results for child smokers available: present Results available for child
(active) smoking

Derived 1 - RRs available Number of RRs : 20
Parental exposure RRs: 4
Household exposure RRs: 16

LAM2 Study description Study title : Lam 2
Full study title : Nationwide primary schools CS 1995-96
Study sex : both
Lowest age in study : 8
Highest age in study (at baseline): 13
Study race : all (in country)
Continent : Asia
Country in Asia : HongKong
Location within country: nationwide
Start year of study : 1995
End year of study : 1996
Principal publication year: 1999
Reference ID of principal publication: LAM1999
Overlap: none
Principal/subsidiary study: Principal
REF group : LAM2

Study design Study type : cross-sectional
Type of population : random schoolchildren
Respondent : Child
Child smokes : Smokers excl questionnaire
Standard questionnaire: Non std/NA/NK

Asthma Lifetime/incidence/unspec asthma available: present
Source of lifetime asthma diagnosis: Child report (physician diag)
Timing of lifetime asthma: Lifetime
Timing of incidence asthma: NA (prevalence analysis only)
Description of lifetime asthma: asthma
Current asthma available: present
Source of current asthma diagnosis: Child report (other/uns/mix)
Timing of current asthma: last n months (n<6)
Description of current asthma: use of asthma medication in last 2 days
Number of lifetime asthma cases: 237
Number of current asthma cases: 70
Total number of subjects: 3480
Comments : Number of cases based on %, may be subject to rounding error

Confounders considered Total number of adjustment factors used: 4
Adjusted for sex : present
Adjusted for age : 1
Adjusted for location within study: 1
Adjusted for mobility (par/ch brn abrd, moved hous): 1

LAM2

(continued)

Other results (not current db) Wheezing/wheezing bronchitis available: present Results available for wheezing ever; for seen doctor for wheezing in last 3m
 Other results for child smokers available: present Results available separately for ever smoking children, and with ever smoking children included (as well as never smoking)

Derived 1 - RRs available Number of RRs : 14
 Parental exposure RRs: 2
 Household exposure RRs: 12

LAU

Study description Study title : Lau
 Full study title : HK Isld & New Terr schools & kindergartens CS 1989
 Study sex : both
 Lowest age in study : 3
 Highest age in study (at baseline): 10
 Study race : chinese
 Continent : Asia
 Country in Asia : HongKong
 Location within country: Hong Kong Island and New Territories
 Start year of study : 1989
 End year of study : 1989
 Principal publication year: 1995
 Reference ID of principal publication: LAU1995
 Overlap: none
 Principal/subsidiary study: Principal
 REF group : LAU

Study design Study type : cross-sectional
 Type of population : random schoolchildren
 Respondent : Parent
 Child smokes : No mention
 Standard questionnaire: Non std/NA/NK

Asthma Current asthma available: present
 Source of current asthma diagnosis: Parent report (other/uns/mix)
 Timing of current asthma: current NOS
 Description of current asthma: asthma
 Number of current asthma cases: 28
 Total number of subjects: 433

Derived 1 - RRs available Number of RRs : 1
 Parental exposure RRs: 1

LEE1

Study description Study title : Lee 1
 Full study title : National Korean elementary schools CS 1995
 Study sex : both
 Lowest age in study : 6
 Highest age in study (at baseline): 12
 Study race : all (in country)
 Continent : Asia
 Country in Asia : Korea
 Location within country: nationwide
 Start year of study : 1995
 End year of study : 1995
 Principal publication year: 2001
 Reference ID of principal publication: LEE2001A
 Overlap: none
 Principal/subsidiary study: Principal
 REF group : LEE1

Study design Study type : cross-sectional
 Type of population : random schoolchildren
 Respondent : Parent
 Child smokes : No mention
 Standard questionnaire: ISAAC

Asthma Current asthma available: present
 Source of current asthma diagnosis: Parent report (other/uns/mix)
 Timing of current asthma: last n months (12<=n<24)
 Description of current asthma: ever diagnosed asthma and symptoms in last 12m
 Number of current asthma cases: 774
 Total number of subjects: 24174
 Comments : Number of cases refers to treatment of asthma in last 12m, so may be lower than cases as analysed. Based on %, so may be subject to rounding error

LEE1

(continued)

Confounders considered Total number of adjustment factors used: 8
 Adjusted for sex : present
 Adjusted for age : 1
 Adjusted for location within study: 2
 Adjusted for SES (inc parental education): 1
 Adjusted for pets in household: 1
 Adjusted for exposure to food/housedust allergens: 1
 Adjusted for obesity/BMI: 1

Derived 1 - Number of RRs : 1
 RRs available Household exposure RRs: 1

LEE2

Study description Study title : Lee 2
 Full study title : National Korean middle schools CS 1995
 Study sex : both
 Lowest age in study : 12
 Highest age in study (at baseline): 15
 Study race : all (in country)
 Continent : Asia
 Country in Asia : Korea
 Location within country: nationwide
 Start year of study : 1995
 End year of study : 1995
 Principal publication year: 2001
 Reference ID of principal publication: LEE2001A
 Overlap: none
 Principal/subsidiary study: Principal
 REF group : LEE2

Study design Study type : cross-sectional
 Type of population : random schoolchildren
 Respondent : Child
 Child smokes : No mention
 Standard questionnaire: ISAAC

Asthma Current asthma available: present
 Source of current asthma diagnosis: Parent report (other/uns/mix)
 Timing of current asthma: last n months (12<=n<24)
 Description of current asthma: ever diagnosed asthma and symptoms in last 12m
 Number of current asthma cases: 148
 Total number of subjects: 14781
 Comments : Number of cases refers to treatment of asthma in last 12m, so may be lower than cases as analysed. Based on %, so may be subject to rounding error

Confounders considered Total number of adjustment factors used: 8
 Adjusted for sex : present
 Adjusted for age : 1
 Adjusted for location within study: 2
 Adjusted for SES (inc parental education): 1
 Adjusted for pets in household: 1
 Adjusted for exposure to food/housedust allergens: 1
 Adjusted for obesity/BMI: 1

Derived 1 - Number of RRs : 1
 RRs available Household exposure RRs: 1

LEEDER

Study description Study title : Leeder
 Full study title : Harrow 1963-65 birth cohort prosp 1963-70
 Study sex : both
 Lowest age in study : 0
 Highest age in study (at baseline): 0
 Highest age in study at final followup: 5
 Study race : all (in country)
 Continent : WEurope/Scandinavia
 Country in W Europe : UK
 Location within country: Harrow (NW London)
 Start year of study : 1963
 End year of study : 1965
 Final follow up year: 1970
 Principal publication year: 1976
 Reference ID of principal publication: LEEDER1976
 Reference ID of additional publication(s): LEEDER1976A
 Overlap: none
 Principal/subsidiary study: Principal

LEEDER
(continued)

	REF group	: LEEDER
Study design	Study type	: prospective
	Type of population	: all children
	Medical exclusions	: died within 7 days of birth
	Other exclusions	: not full 5-year followup
	Respondent	: Parent
	Child smokes	: No mention
	Standard questionnaire:	Non std/NA/NK
Asthma	Lifetime/incidence/unspec asthma available:	present
	Source of lifetime asthma diagnosis:	Parent report (other/uns/mix)
	Timing of lifetime asthma:	NA (incidence only)
	Timing of incidence asthma:	lifetime (recruit at birth)
	Description of lifetime asthma:	asthma
	Number of lifetime asthma cases:	59
	Total number of subjects:	1878
	Comments	: Number of cases based on %, may be subject to rounding error
Confounders considered	Total number of adjustment factors used:	9
	Adjusted for sex	: present
	Adjusted for location within study:	1
	Adjusted for family (parent/sibl) medical history:	4
	Adjusted for SES (inc parental education):	1
	Adjusted for household composition:	1
	Adjusted for child other medical history/symptoms:	1
Other results (not current db)	Wheezing/wheezing bronchitis available:	present Results available for wheeze
	Other exposures available:	present Results available for change in parental smoking habit
	Results by other stratifying factors available:	present Results available stratified by parental cough-phlegm
Derived 1 - RRs available	Number of RRs	: 3
	Parental exposure RRs:	3
LEEN	Study description	Study title : Leen
		Full study title : Galway primary school CC 1991-92
		Study sex : both
		Lowest age in study : 9
		Highest age in study (at baseline): 9
		Study race : all (in country)
		Continent : WEurope/Scandinavia
		Country in W Europe : Ireland
		Location within country: Galway city
		Start year of study : 1991
		End year of study : 1992
		Principal publication year: 1994
		Reference ID of principal publication: LEEN1994
		Reference ID of additional publication(s): MEMON1993
		Overlap: none
		Principal/subsidiary study: Principal
		REF group : LEEN
Study design	Study type	: case/control
	Type of controls (for CC studies):	healthy
	Type of population	: all schoolchildren
	Respondent	: Parent
	Child smokes	: No mention
	Standard questionnaire:	Non std/NA/NK
	Comments	: A cross-sectional study of all schoolchildren was used to identify cases, and matched controls were chosen for the 118 (/134) cases who participated in the second phase of the study. The third phase reported here invited the controls and all the original cases (i.e. including those who did not have a matched control)
Asthma	Current asthma available:	present
	Source of current asthma diagnosis:	Parent report (other/uns/mix)
	Timing of current asthma:	current NOS
	Description of current asthma:	asthma (= current wheeze)
	Number of current asthma cases:	115
	Total number of subjects:	211
	Comments	: Among the cases, 77% had asthma diagnosis according to the parents, or 68% according to the children

LEEN
(continued)

Matching factors	Cases and controls matched on sex: present Cases and controls matched on age (CC): present
Derived 1 - RRs available	Number of RRs : 1 Parental exposure RRs: 1
LEROUX Study description	Study title : Le Roux Full study title : Le Havre primary schools CS 1990-91 Study sex : both Lowest age in study : 6 Highest age in study (at baseline): 7 Study race : all (in country) Continent : WEurope/Scandinavia Country in W Europe : France Location within country: Le Havre and Fecamp Start year of study : 1990 End year of study : 1991 Principal publication year: 1995 Reference ID of principal publication: LEROUX1995 Overlap: none Principal/subsidiary study: Principal REF group : LEROUX
Study design	Study type : cross-sectional Type of population : random schoolchildren Other exclusions : parent did not attend school medical examination Respondent : Parent Child smokes : No mention Standard questionnaire: Non std/NA/NK
Asthma	Lifetime/incidence/unspec asthma available: present Source of lifetime asthma diagnosis: Parent report (other/uns/mix) Timing of lifetime asthma: unspecified Timing of incidence asthma: NA (prevalence analysis only) Description of lifetime asthma: asthma (= acute recurring attacks of SOB with wheeze which end spontaneously or respond to treatment) Number of lifetime asthma cases: 99 Total number of subjects: 1193
Confounders considered	Total number of adjustment factors used: 10 Adjusted for sex : present Adjusted for race : 1 Adjusted for location within study: 1 Adjusted for family (parent/sibl) medical history: 3 Adjusted for SES (inc parental education): 1 Adjusted for household composition: 1 Adjusted for child other medical history/symptoms: 2
Derived 1 - RRs available	Number of RRs : 2 Parental exposure RRs: 2
LILLJE Study description	Study title : Lilljegovist Full study title : Oslo birth cohort 1981-84 CS 1991 Study sex : both Lowest age in study : 7 Highest age in study (at baseline): 10 Study race : all (in country) Continent : WEurope/Scandinavia Country in W Europe : Norway Location within country: Oslo Start year of study : 1991 End year of study : 1991 Principal publication year: 1997 Reference ID of principal publication: LILLJE1997 Overlap: none Principal/subsidiary study: Principal REF group : LILLJE

LILLJE
(continued)

Study design Study type : cross-sectional
 Type of population : all newborns at given hosp(s)
 Medical exclusions : symptoms or diagnosis of allergies but not asthma
 Other exclusions : not traceable at original address
 Respondent : Parent
 Child smokes : No mention
 Standard questionnaire: ICHPPC

Asthma Current asthma available: present
 Source of current asthma diagnosis: Parent report (other/uns/mix)
 Timing of current asthma: current NOS
 Description of current asthma: asthma symptoms
 Number of current asthma cases: 293
 Total number of subjects: 706
 Comments : 57 (19%) of the children with asthma symptoms had an asthma diagnosis

Derived 1 - Number of RRs : 1
 RRs available Parental exposure RRs: 1

LINDFO Study Study title : Lindfors
 description Full study title : Stockholm hospital CC 1990-92
 Study sex : both
 Lowest age in study : 1
 Highest age in study (at baseline): 4
 Study race : all (in country)
 Continent : WEurope/Scandinavia
 Country in W Europe : Sweden
 Location within country: Stockholm
 Start year of study : 1990
 End year of study : 1992
 Principal publication year: 1995
 Reference ID of principal publication: LINDFO1995
 Reference ID of additional publication(s): LINDFO1994
 Overlap: none
 Principal/subsidiary study: Principal
 REF group : LINDFO

Study design Study type : case/control
 Type of controls (for CC studies): healthy
 Type of population : all in given hosp/clinic(s)
 Type of population - controls (if diff from cases): rndm from hosp catchment area
 Respondent : Parent
 Child smokes : No mention
 Standard questionnaire: Non std/NA/NK

Asthma Current asthma available: present
 Source of current asthma diagnosis: Medical records
 Timing of current asthma: current diagnosis
 Description of current asthma: referral to specialist allergy clinic for evaluation of bronchial asthma, and 3+ episodes of airway obstruction with asthmatic symptoms such as wheezing, cough etc
 Number of current asthma cases: 193
 Total number of subjects: 511

Matching Cases and controls matched on age (CC): present
 factors Comments : Matching for age refers to matching by date of birth, however as the controls were selected in the later part of the study period, their age was about 9m higher on average than the cases at time of inclusion

Other results Results by other stratifying factors available: present Results are available for (not current db) cases subdivided on +ve skin prick test to cat and/or dog, versus combined controls. Results are also available for the age group <30m, and for those with damp housing, but only for the separate SPT groups (and with insufficient information to be able to combine)

Derived 1 - Number of RRs : 1
 RRs available Parental exposure RRs: 1

LIS	Study description	Study title : Lis Full study title : Krakow schools CS 1992-95 Study sex : both Lowest age in study : 12 Highest age in study (at baseline): 14 Study race : all (in country) Continent : EEurope/Balkans Country in E Europe/Balkans: Poland Location within country: Krakow Start year of study : 1992 End year of study : 1995 Principal publication year: 1997 Reference ID of principal publication: LIS1997 Overlap: none Principal/subsidiary study: Principal REF group : LIS
	Study design	Study type : cross-sectional Type of population : random schoolchildren Respondent : Child Child smokes : No mention Standard questionnaire: ISAAC
	Asthma	Lifetime/incidence/unspec asthma available: present Source of lifetime asthma diagnosis: Child report (physician diag) Timing of lifetime asthma: unspecified Timing of incidence asthma: NA (prevalence analysis only) Description of lifetime asthma: bronchial asthma Number of lifetime asthma cases: not assessable Total number of subjects: 6696
	Other results (not current db)	Wheezing/wheezing bronchitis available: present Results available for symptoms of dyspnoea and wheezing ever; symptoms of dyspnoea or wheezing in last 12m; symptoms of dyspnoea or wheezing during or after exercise
	Derived 1 - RRs available	Number of RRs : 2 Parental exposure RRs: 2
LISTER	Study description	Study title : Lister Full study title : ABS National Health Survey 1989-90 Study sex : both Lowest age in study : 0 Highest age in study (at baseline): 4 Study race : all (in country) Continent : Australasia Country in Australasia: Australia Location within country: nationwide Start year of study : 1989 End year of study : 1990 Principal publication year: 1998 Reference ID of principal publication: LISTER1998 Overlap: none Principal/subsidiary study: Principal REF group : LISTER
	Study design	Study type : cross-sectional Type of population : all children rndm households Respondent : Parent Child smokes : No mention Standard questionnaire: Non std/NA/NK
	Asthma	Lifetime/incidence/unspec asthma available: present Source of lifetime asthma diagnosis: Parent report (other/uns/mix) Timing of lifetime asthma: unspecified Timing of incidence asthma: NA (prevalence analysis only) Description of lifetime asthma: asthma Number of lifetime asthma cases: 399 Total number of subjects: 4281

LISTER
(continued)

Confounders considered	Total number of adjustment factors used: 9 Adjusted for sex : present Adjusted for location within study: 1 Adjusted for SES (inc parental education): 3 Adjusted for household composition: 1 Adjusted for mobility (par/ch brn abrd, moved hous: 1 Adjusted for parental smoking current/since birth: 2 Other confounders considered but rejected: present Comments : Adjustment for SES(maternal employment) and LOC rejected from MLR as not significant
Other results (not current db)	Other definitions of asthma available: present Results available for use of health services for asthma (doctor, outpatient or emergency consultation in last 2 weeks, or hospital admission in last year) Wheezing/wheezing bronchitis available: present Results available for asthma or wheeze
Derived 1 - RRs available	Number of RRs : 9 Parental exposure RRs: 8 Household exposure RRs: 1
LOPEZC Study description	Study title : Lopez Campos Full study title : Lagunera hospital CC (ca 2000?) Study sex : both Lowest age in study : 6 Highest age in study (at baseline): 10 Study race : all (in country) Continent : SCAmerica Country in S/C America: Mexico Location within country: Lagunera Start year of study : not assessable End year of study : not assessable Principal publication year: 2001 Reference ID of principal publication: LOPEZC2001 Overlap: none Principal/subsidiary study: Principal REF group : LOPEZC
Study design	Study type : case/control Type of controls (for CC studies): diseased/hospital Control diseases/cause of death: attending Family Medicine Clinic Type of population : hospital NOS Respondent : Parent Child smokes : No mention Standard questionnaire: Non std/NA/NK
Asthma	Current asthma available: present Source of current asthma diagnosis: Medical records Timing of current asthma: current diagnosis Description of current asthma: allergic asthma Number of current asthma cases: 58 Total number of subjects: 175
Matching factors	Cases and controls matched on sex: present Cases and controls matched on age (CC): present Cases and controls matched on socioeconomic status: present
Derived 1 - RRs available	Number of RRs : 3 Parental exposure RRs: 2 Household exposure RRs: 1

MAIER	Study description	Study title : Maier Full study title : Seattle primary schools CS 1994 Study sex : both Lowest age in study : 5 Highest age in study (at baseline): 9 Study race : all (in country) Continent : NAmerica Country in N America: USA US state : Cal,Wash,Oreg Location within country: Seattle (Washington) Start year of study : 1994 End year of study : 1994 Principal publication year: 1997 Reference ID of principal publication: MAIER1997 Overlap: none Principal/subsidiary study: Principal REF group : MAIER
	Study design	Study type : cross-sectional Type of population : school NOS Respondent : Parent Child smokes : No mention Standard questionnaire: ISAAC
	Asthma	Lifetime/incidence/unspec asthma available: present Source of lifetime asthma diagnosis: Parent report (physician diag) Timing of lifetime asthma: unspecified Timing of incidence asthma: NA (prevalence analysis only) Description of lifetime asthma: asthma Number of lifetime asthma cases: 106 Total number of subjects: 925
	Confounders considered	Total number of adjustment factors used: 8 Adjusted for sex : present Adjusted for race : 1 Adjusted for family (parent/sibl) medical history: 1 Adjusted for SES (inc parental education): 1 Adjusted for cooking/heating methods: 1 Adjusted for damp/mould in home: 2 Adjusted for child other medical history/symptoms: 1 Other confounders considered but rejected: present Comments : Adjustment for AGE, CMED(2), IVST rejected from backwards MLR due to lack of significance at p=0.2
	Other results (not current db)	Wheezing/wheezing bronchitis available: present Result available for current wheeze without diagnosis of asthma Results by other stratifying factors available: present Results available restricted to those with history of chronic sore throat
	Derived 1 - RRs available	Number of RRs : 6 Household exposure RRs: 2 Total exposure RRs : 4
MARTIN	Study description	Study title : Martinez/Tucson Full study title : Tucson COLD prosp 1972-1988 Study sex : both Lowest age in study : 0 Highest age in study (at baseline): 5 Highest age in study at final followup: 12 Study race : whites excluding hispanics Continent : NAmerica Country in N America: USA US state : Nev,Ut,Ariz Location within country: Tucson (Arizona) Start year of study : 1972 End year of study : 1973 Final follow up year: 1988 Principal publication year: 1992 Reference ID of principal publication: MARTIN1992 Reference ID of additional publication(s): LEBOWI1976, LEBOWI1992 Overlap: none Principal/subsidiary study: Principal REF group : MARTIN

MARTIN
(continued)

Study design Study type : prospective
 Type of population : random children
 Respondent : Parent
 Child smokes : Assumed no smokers
 Standard questionnaire: Non std/NA/NK
 Comments : Results entered here are up to age 12 only (from MARTIN1992); in
 LEBOW11976 children under 15 were presumed to be nonsmokers, although 2/60 14 year
 olds reported a smoking history. Baseline period refers to enrollment of households;
 new household members continued to be enrolled later

Asthma Lifetime/incidence/unspec asthma available: present
 Source of lifetime asthma diagnosis: Parent report (physician diag)
 Timing of lifetime asthma: NA (incidence only)
 Timing of incidence asthma: since baseline (earlier excl)
 Description of lifetime asthma: asthma
 Number of lifetime asthma cases: 89
 Total number of subjects: 774

Confounders considered Total number of adjustment factors used: 1
 Adjusted for SES (inc parental education): 1
 Comments : Alternative results adjusted for parental respiratory symptoms
 are also available

Other results (not current db) Wheezing/wheezing bronchitis available: present Results available for wheeze; for
 asthma, bronchial trouble or emphysema
 Results by other stratifying factors available: present Results available stratified
 for parental respiratory symptoms; maternal education

Derived 1 - Number of RRs : 6
 RRs available Parental exposure RRs: 6

MCCON1 Study description Study title : McConnell CHS
 Full study title : Califrna Children's Health St school prosp 1993-98
 Study sex : both
 Lowest age in study : 9
 Highest age in study (at baseline): 16
 Highest age in study at final followup: 18
 Study race : all (in country)
 Continent : NAmerica
 Country in N America: USA
 US state : Cal,Wash,Oreg
 Location within country: 12 Southern California communities
 Start year of study : 1993
 End year of study : 1996
 Final follow up year: 1998
 Principal publication year: 2002
 Reference ID of principal publication: MCCONN2002
 Reference ID of additional publication(s): PETERS1999
 Overlap: MCCON1/GILLIL
 Principal/subsidiary study: Subsidiary
 REF group : GILLIL
 Comments : Prospective study using subjects without asthma at baseline;
 baseline prevalence forms study GILLIL

Study design Study type : prospective
 Type of population : random in given school(s)
 Medical exclusions : cystic fibrosis, severe chest injury, chest surgry
 Respondent : Parent and child
 Child smokes : Smokers incl but few (bio/qu)
 Standard questionnaire: Non std/NA/NK

Asthma Lifetime/incidence/unspec asthma available: present
 Source of lifetime asthma diagnosis: Child report (physician diag)
 Timing of lifetime asthma: NA (incidence only)
 Timing of incidence asthma: since baseline (earlier excl)
 Description of lifetime asthma: asthma
 Number of lifetime asthma cases: 265
 Total number of subjects: 3535

MCKEEV Study description Study title : McKeever
Full study title : West Midlands GPRD incidence study (ca 1989-2000?)
Study sex : both
Lowest age in study : 0
Highest age in study (at baseline): 0
Highest age in study at final followup: 11
Study race : all (in country)
Continent : WEurope/Scandinavia
Country in W Europe : UK
Location within country: West Midlands
Start year of study : not assessable
End year of study : not assessable
Final follow up year: not assessable
Principal publication year: 2001
Reference ID of principal publication: MCKEEV2001
Overlap: none
Principal/subsidiary study: Principal
REF group : MCKEEV

Study design Study type : prospective
Type of population : all at given primary care(s)
Respondent : Medical records
Child smokes : No mention
Standard questionnaire: Non std/NA/NK
Comments : Parents were identified by record linkage (mother for 84%,
father for 57%)

Asthma Lifetime/incidence/unspec asthma available: present
Source of lifetime asthma diagnosis: Medical records
Timing of lifetime asthma: NA (incidence only)
Timing of incidence asthma: lifetime (recruit at birth)
Description of lifetime asthma: asthma (including asthma and wheezing)
Number of lifetime asthma cases: 5842
Total number of subjects: 29238

Derived 1 - RRs available Number of RRs : 10
Parental exposure RRs: 10

MELIA Study description Study title : Melia NSHG
Full study title : UK National Study of Health & Growth LS - 1977
Study sex : both
Lowest age in study : 5
Highest age in study (at baseline): 11
Study race : all (in country)
Continent : WEurope/Scandinavia
Country in W Europe : UK
Location within country: 21 English and 4 Scottish areas
Start year of study : 1977
End year of study : 1977
Principal publication year: 1981
Reference ID of principal publication: MELIA1981
Reference ID of additional publication(s): SOMERV1988
Overlap: MELIA/SOMERV/CHINN
Principal/subsidiary study: Principal
REF group : MELIA
Comments : Part of a longitudinal study of children age 5-11 in selected
areas. Same areas studied in 1977 (MELIA), 1982 (SOMERV) and 1988 (part of CHINN) but
have been entered separately as analysis treats them as separate cross-sectional
studies. Overlap is small (e.g. 5% of children in CHINN-1988 had been in
SOMERV-1982). Although not altogether clear, it seems that areas studied in 1987 and
1988 were non-overlapping, so combined results for those years are entered (CHINN)

Study design Study type : cross-sectional
Type of population : random schoolchildren
Respondent : Parent
Child smokes : No mention
Standard questionnaire: Non std/NA/NK

Asthma Current asthma available: present
Source of current asthma diagnosis: Parent report (other/uns/mix)
Timing of current asthma: last n months (12<=n<24)
Description of current asthma: at least one asthma attack in last 12m
Number of current asthma cases: not assessable
Total number of subjects: not assessable Number of subjects probably several thousands

MELIA
(continued)

Other results (not current db) Wheezing/wheezing bronchitis available: present Results available for chest ever sound wheezy of whistling; chest wheezy or whistling most days or nights

Derived 1 - RRs available Number of RRs : 1
Household exposure RRs: 1

MELSOM Study description Study title : Melsom
Full study title : Katmandu Valley schools CC 1997
Study sex : both
Lowest age in study : 11
Highest age in study (at baseline): 17
Study race : all (in country)
Continent : Asia
Country in Asia : Nepal
Location within country: Katmandu Valley
Start year of study : 1997
End year of study : 1997
Principal publication year: 2001
Reference ID of principal publication: MELSOM2001
Overlap: none
Principal/subsidiary study: Principal
REF group : MELSOM

Study design Study type : case/control
Type of controls (for CC studies): healthy
Type of population : random schoolchildren
Respondent : Parent
Child smokes : Smokers included
Standard questionnaire: ISAAC
Comments : Cases were all those identified in a screening CS, controls were randomly selected from the remainder

Asthma Current asthma available: present
Source of current asthma diagnosis: Child report (other/uns/mix)
Timing of current asthma: last n months (12<=n<24)
Description of current asthma: asthma (= at least one symptom in last year from both written and video questionnaires- Written: wheeze; dry cough at night apart from with cold. Video: moderate wheeze at rest; woken by nocturnal wheeze; woken by nocturnal cough; severe wheeze at rest)
Number of current asthma cases: 121
Total number of subjects: 247

Matching factors Cases and controls matched on race: present
Matched on location (within study area): present

Confounders considered Total number of adjustment factors used: 3
Adjusted for cooking/heating methods: 1
Adjusted for pets in household: 2

Other results (not current db) Other results for child smokers available: present Results available for child (active) smoking
Results by other stratifying factors available: present Results available stratified by urban/rural; by use of smoky fuels

Derived 1 - RRs available Number of RRs : 6
Household exposure RRs: 6

MOHAME Study description Study title : Mohamed
 Full study title : Nairobi primary schools CC 1990-91
 Study sex : both
 Lowest age in study : 9
 Highest age in study (at baseline): 11
 Study race : all (in country)
 Continent : Africa
 Country in Africa : Kenya
 Location within country: Nairobi
 Start year of study : 1990
 End year of study : 1991
 Principal publication year: 1995
 Reference ID of principal publication: MOHAME1995
 Overlap: none
 Principal/subsidiary study: Principal
 REF group : MOHAME

Study design Study type : case/control
 Type of controls (for CC studies): healthy
 Type of population : all schoolchildren
 Respondent : Parent
 Child smokes : No mention
 Standard questionnaire: IUATLD
 Comments : A cross-sectional study of all schoolchildren was used to identify cases, matched controls drawn from remainder

Asthma Current asthma available: present
 Source of current asthma diagnosis: Med rec or par rep (phys diag)
 Timing of current asthma: current diagnosis
 Description of current asthma: asthma (= either questionnaire reported history of phys diag asthma or symptoms of persistent or frequent wheeze; or 10% decline in FEV after exercise test)
 Number of current asthma cases: 77
 Total number of subjects: 154

Matching factors Cases and controls matched on sex: present
 Cases and controls matched on age (CC): present
 Matched on location (within study area): present

Confounders considered Total number of adjustment factors used: 4
 Adjusted for cooking/heating methods: 1
 Adjusted for damp/mould in home: 1
 Adjusted for exposure to food/housedust allergens: 1
 Adjusted for child other medical history/symptoms: 1
 Other confounders considered but rejected: present
 Comments : Adjustment for outdoor air pollution, mud wall and mud floor were rejected from MLR due to lack of significance

Derived 1 - RRs available Number of RRs : 5
 Parental exposure RRs: 2
 Household exposure RRs: 3

MONTEF Study description Study title : Montefort
 Full study title : Nationwide schools CS (ca 1995?)
 Study sex : both
 Lowest age in study : 5
 Highest age in study (at baseline): 8
 Study race : all (in country)
 Continent : WEurope/Scandinavia
 Country in W Europe : Malta
 Location within country: nationwide
 Start year of study : not assessable
 End year of study : not assessable
 Principal publication year: 2002
 Reference ID of principal publication: MONTEF2002
 Overlap: none
 Principal/subsidiary study: Principal
 REF group : MONTEF

Study design Study type : cross-sectional
 Type of population : random children
 Respondent : Parent
 Child smokes : No mention
 Standard questionnaire: ISAAC

MONTEF
(continued)

Asthma Lifetime/incidence/unspec asthma available: present
 Source of lifetime asthma diagnosis: Parent report (physician diag)
 Timing of lifetime asthma: Lifetime
 Timing of incidence asthma: NA (prevalence analysis only)
 Description of lifetime asthma: asthma
 Number of lifetime asthma cases: 263
 Total number of subjects: 3506

Other results Other definitions of asthma available: present Results available for very severe
 (not current attacks of asthma
 db) Wheezing/wheezing bronchitis available: present Results available for wheeze ever;
 wheeze in last 12m; nocturnal wheeze; exercise-induced wheeze

Derived 1 - Number of RRs : 1
 RRs available Household exposure RRs: 1

MOUSSA Study Study title : Moussa
 description Full study title : Al Ain city schools CC 1992-93
 Study sex : both
 Lowest age in study : 6
 Highest age in study (at baseline): 18
 Study race : all (in country)
 Continent : Asia
 Country in Asia : UAE
 Location within country: Al Ain city
 Start year of study : 1992
 End year of study : 1993
 Principal publication year: 1996
 Reference ID of principal publication: MOUSSA1996
 Overlap: none
 Principal/subsidiary study: Principal
 REF group : MOUSSA
 Comments : Two studies conducted in Al-Ain in same period: BENER (urban and
 rural) and MOUSSA (city). However none of the authors or their affiliations are in
 common, so assume no overlap

Study design Study type : case/control
 Type of controls (for CC studies): healthy
 Type of population : random schoolchildren
 Type of population - controls (if diff from cases): rndm schld no asthma medicatn
 Respondent : Parent and child
 Child smokes : Smokers included
 Standard questionnaire: Non std/NA/NK

Asthma Current asthma available: present
 Source of current asthma diagnosis: Medical records
 Timing of current asthma: current NOS
 Description of current asthma: known asthmatics regularly receiving medication
 Number of current asthma cases: 203
 Total number of subjects: 406

Matching Cases and controls matched on sex: present
 factors Cases and controls matched on age (CC): present

Other results Other results for child smokers available: present Results available for child
 (not current (active) smoking
 db)

Derived 1 - Number of RRs : 2
 RRs available Parental exposure RRs: 2

MOYES1 Study description Study title : Moyes 1
Full study title : Bay of Plenty primary schools CS (ca 1993?)
Study sex : both
Lowest age in study : 6
Highest age in study (at baseline): 7
Study race : all (in country)
Continent : Australasia
Country in Australasia: New Zealand
Location within country: Eastern Bay of Plenty and Rotorua city
Start year of study : not assessable
End year of study : not assessable
Principal publication year: 1995
Reference ID of principal publication: MOYES1995
Overlap: none
Principal/subsidiary study: Principal
REF group : MOYES1

Study design Study type : cross-sectional
Type of population : all schoolchildren
Other exclusions : very small rural village schools
Respondent : Parent
Child smokes : No mention
Standard questionnaire: ISAAC

Asthma Lifetime/incidence/unspec asthma available: present
Source of lifetime asthma diagnosis: Parent report (physician diag)
Timing of lifetime asthma: Lifetime
Timing of incidence asthma: NA (prevalence analysis only)
Description of lifetime asthma: asthma
Number of lifetime asthma cases: 653
Total number of subjects: 2556
Comments : Number of cases based on %, may be subject to rounding error

Other results (not current db) Wheezing/wheezing bronchitis available: present Results available for the following symptoms in the last 12 months: wheeze, wheeze more than 4 times, awake with wheeze, wheeze after exercise

Derived 1 - RRs available Number of RRs : 1
Household exposure RRs: 1

MOYES2 Study description Study title : Moyes 2
Full study title : Bay of Plenty secondary schools CS (ca 1993?)
Study sex : both
Lowest age in study : 13
Highest age in study (at baseline): 14
Study race : all (in country)
Continent : Australasia
Country in Australasia: New Zealand
Location within country: Eastern Bay of Plenty and Rotorua city
Start year of study : not assessable
End year of study : not assessable
Principal publication year: 1995
Reference ID of principal publication: MOYES1995
Overlap: none
Principal/subsidiary study: Principal
REF group : MOYES2

Study design Study type : cross-sectional
Type of population : all schoolchildren
Other exclusions : very small rural village schools
Respondent : Child
Child smokes : Discussed, but no data avail
Standard questionnaire: ISAAC

Asthma Lifetime/incidence/unspec asthma available: present
Source of lifetime asthma diagnosis: Child report (physician diag)
Timing of lifetime asthma: Lifetime
Timing of incidence asthma: NA (prevalence analysis only)
Description of lifetime asthma: asthma
Number of lifetime asthma cases: 615
Total number of subjects: 2742
Comments : Number of cases based on %, may be subject to rounding error

Other results (not current db) Wheezing/wheezing bronchitis available: present Results available for the following symptoms in the last 12 months, based on self-completed questionnaire: wheeze, wheeze at least 4 times, awake with wheeze, wheeze after exercise. Also based on video questions for wheeze, wheeze after exercise, woken short of breath

MOYES2
(continued)

Derived 1 - Number of RRs : 1
RRs available Household exposure RRs: 1

MUMCUO Study Study title : Mumcuoglu
description Full study title : Gaza Strip CC 1986-87
Study sex : both
Lowest age in study : 3
Highest age in study (at baseline): 15
Study race : all (in country)
Continent : Asia
Country in Asia : Israel
Location within country: Gaza Strip
Start year of study : 1986
End year of study : 1987
Principal publication year: 1994
Reference ID of principal publication: MUMCUO1994
Overlap: none
Principal/subsidiary study: Principal
REF group : MUMCUO

Study design Study type : case/control
Type of controls (for CC studies): healthy
Type of population : all at given primary care(s)
Type of population - controls (if diff from cases): no chest/resp symptoms
Respondent : Unspec (parent/child)
Child smokes : No mention
Standard questionnaire: MRC

Asthma Current asthma available: present
Source of current asthma diagnosis: Medical records
Timing of current asthma: current diagnosis
Description of current asthma: asthma (= history of cough, SOB and wheeze, as well as low PF with at least 10% improvement after bronchodilator)
Number of current asthma cases: 300
Total number of subjects: 400

Matching factors Cases and controls matched on sex: present
Cases and controls matched on age (CC): present
Matched on location (within study area): present

Derived 1 - Number of RRs : 6
RRs available Parental exposure RRs: 2
Household exposure RRs: 4

MURRAY Study Study title : Murray
description Full study title : Vancouver allergy clinic CC 1986-88
Study sex : both
Lowest age in study : 1
Highest age in study (at baseline): 17
Study race : all (in country)
Continent : NAmerica
Country in N America: Canada
Location within country: Vancouver (British Columbia)
Start year of study : 1986
End year of study : 1988
Principal publication year: 1990
Reference ID of principal publication: MURRAY1990A
Reference ID of additional publication(s): MURRAY1989, MURRAY1992, MURRAY1993
Overlap: none
Principal/subsidiary study: Principal
REF group : MURRAY

Study design Study type : cross-sectional
Type of population : all in given hosp/clinic(s)
Medical exclusions : cystic fibrosis, marked gastroesophageal reflux
Respondent : Parent and child
Child smokes : Smokers excl questionnaire
Standard questionnaire: Non std/NA/NK
Comments : All subjects were attending allergy clinic. Biochemical validation confirmed non-smoking status for some children age 9+

MURRAY
(continued)

Asthma Lifetime/incidence/unspec asthma available: present
Source of lifetime asthma diagnosis: Unspecified
Timing of lifetime asthma: unspecified
Timing of incidence asthma: NA (prevalence analysis only)
Description of lifetime asthma: asthma
Number of lifetime asthma cases: 292
Total number of subjects: 620

Confounders considered Total number of adjustment factors used: 6
Adjusted for sex : present
Adjusted for family (parent/sibl) medical history: 1
Adjusted for pets in household: 1
Adjusted for child other medical history/symptoms: 3
Other confounders considered but rejected: present
Comments : Adjustment for COHE, HOCO and a number of interaction terms were rejected from stepwise MLR due to lack of significance

Other results (not current db) Results by other stratifying factors available: present Results available stratified by atopic dermatitis

Derived 1 - RRs available Number of RRs : 9
Parental exposure RRs: 9

NHANE3 Study description Study title : NHANES III
Full study title : 3rd National Health & Nutrition Exam Surv 1988-94
Study sex : both
Lowest age in study : 0
Highest age in study (at baseline): 16
Study race : all (in country)
Continent : NAmerica
Country in N America: USA
US state : all
Location within country: nationwide
Start year of study : 1988
End year of study : 1994
Principal publication year: 2001
Reference ID of principal publication: MANNIN2001
Reference ID of additional publication(s): GERGEN1998, MANNIN1998A, RODRIG2002, MANNIN2002A, LANPHE2001
Overlap: none
Principal/subsidiary study: Principal
REF group : NHANE3

Study design Study type : cross-sectional
Type of population : random children
Respondent : Parent and child
Child smokes : Smokers excl biochemically
Standard questionnaire: Non std/NA/NK
Comments : Children age 12+ were also excluded on self-report of smoking. Analyses of children age 2m-5y (GERGEN1998, LANPHE2001) do not mention child smoking. Minimum age in study is 2m. Respondent was 'knowledgeable proxy. usually parent or guardian'

Asthma Lifetime/incidence/unspec asthma available: present
Source of lifetime asthma diagnosis: Parent report (physician diag)
Timing of lifetime asthma: Lifetime
Timing of incidence asthma: NA (prevalence analysis only)
Description of lifetime asthma: asthma
Current asthma available: present
Source of current asthma diagnosis: Parent report (other/uns/mix)
Timing of current asthma: current NOS
Description of current asthma: ever physician-diag asthma and still has asthma
Number of lifetime asthma cases: 1025
Number of current asthma cases: not assessable
Total number of subjects: 13944
Comments : Number of current asthma cases unknown, but was 443 for age group 4-16 (based on % so may be subject to rounding error)

NHANE3
(continued)

Confounders considered	Total number of adjustment factors used: 19 Adjusted for sex : present Adjusted for age : 1 Adjusted for race : 1 Adjusted for location within study: 2 Adjusted for family (parent/sibl) medical history: 2 Adjusted for SES (inc parental education): 3 Adjusted for household composition: 1 Adjusted for day care: 1 Adjusted for housing quality/age/size: 1 Adjusted for pets in household: 1 Adjusted for child other medical history/symptoms: 3 Adjusted for maternal smoking in pregnancy: 1 Adjusted for household ETS exposure: 1
Other results (not current db)	Other definitions of asthma available: present Results available for moderate or severe asthma; any hospital visit or any physician visit in last year; medication in past month Wheezing/wheezing bronchitis available: present Results available for 3+ episodes of wheezing in last year; wheezing without colds
Derived 1 - RRs available	Number of RRs : 79 Parental exposure RRs: 9 Household exposure RRs: 22 Biochemical exposure RRs: 30 In utero x household combination exposure RRs: 6 In utero x biochemical combination exposure RRs: 12
NILSSO Study description	Study title : Nilsson Full study title : Ostergotland population CS (ca 1998?) Study sex : both Lowest age in study : 13 Highest age in study (at baseline): 14 Study race : all (in country) Continent : WEurope/Scandinavia Country in W Europe : Sweden Location within country: Ostergotland county (SE Sweden) Start year of study : not assessable End year of study : not assessable Principal publication year: 1999 Reference ID of principal publication: NILSSO1999 Overlap: none Principal/subsidiary study: Principal REF group : NILSSO
Study design	Study type : cross-sectional Type of population : all children Other exclusions : residence in first year not in same region Respondent : Parent Child smokes : No mention Standard questionnaire: ISAAC
Asthma	Lifetime/incidence/unspec asthma available: present Source of lifetime asthma diagnosis: Child report (other/uns/mix) Timing of lifetime asthma: Lifetime Timing of incidence asthma: NA (prevalence analysis only) Description of lifetime asthma: asthma Number of lifetime asthma cases: 173 Total number of subjects: 1855
Confounders considered	Total number of adjustment factors used: 7 Adjusted for sex : present Adjusted for location within study: 1 Adjusted for family (parent/sibl) medical history: 1 Adjusted for damp/mould in home: 1 Adjusted for housing quality/age/size: 1 Adjusted for pets in household: 1 Adjusted for parental smoking current/since birth: 1
Other results (not current db)	Results by other stratifying factors available: present Some results are available for the interaction with urban/rural residence

NILSSO
(continued)

Derived 1 - Number of RRs : 3
RRs available Parental exposure RRs: 3

NITTA Study Study title : Nitta
 description Full study title : Tokyo and Ibaraki schools pollution CS 1995
 Study sex : both
 Lowest age in study : 7
 Highest age in study (at baseline): 12
 Study race : all (in country)
 Continent : Asia
 Country in Asia : Japan
 Location within country: Tokyo and Ibaraki
 Start year of study : 1995
 End year of study : 1995
 Principal publication year: 1996
 Reference ID of principal publication: NITTA1996
 Overlap: none
 Principal/subsidiary study: Principal
 REF group : NITTA

 Study design Study type : cross-sectional
 Type of population : all in given school(s)
 Respondent : Child
 Child smokes : No mention
 Standard questionnaire: ATS/NHLI/ESP

 Asthma Current asthma available: present
 Source of current asthma diagnosis: Child report (other/uns/mix)
 Timing of current asthma: current NOS
 Description of current asthma: current asthma not clearly defined, but based on
 attacks of SOB with cough, phlegm and/or wheeze, and phys-diag asthma
 Number of current asthma cases: 77
 Total number of subjects: 1232

 Confounders Total number of adjustment factors used: 5
 considered Adjusted for cooking/heating methods: 1
 Adjusted for housing quality/age/size: 2
 Adjusted for pets in household: 2
 Comments : Adjusting factors not clearly specified

 Other results Wheezing/wheezing bronchitis available: present Results available for persistent
 (not current wheeze
 db)

Derived 1 - Number of RRs : 1
RRs available Household exposure RRs: 1

NYSTAD Study Study title : Nystad
 description Full study title : Oslo schools CS 1994-95
 Study sex : both
 Lowest age in study : 6
 Highest age in study (at baseline): 16
 Study race : all (in country)
 Continent : WEurope/Scandinavia
 Country in W Europe : Norway
 Location within country: Oslo
 Start year of study : 1994
 End year of study : 1995
 Principal publication year: 1999
 Reference ID of principal publication: NYSTAD1999
 Overlap: none
 Principal/subsidiary study: Principal
 REF group : NYSTAD

 Study design Study type : cross-sectional
 Type of population : school NOS
 Other exclusions : non-Norwegians (immigrants)
 Respondent : Parent
 Child smokes : No mention
 Standard questionnaire: ISAAC
 Comments : There were two questionnaires, with asthma status taken from the
 first and risk factors from the second sent a year later to those who could be traced

NYSTAD
(continued)

Asthma Lifetime/incidence/unspec asthma available: present
 Source of lifetime asthma diagnosis: Parent report (other/uns/mix)
 Timing of lifetime asthma: from age 3
 Timing of incidence asthma: NA (prevalence analysis only)
 Description of lifetime asthma: ever had asthma and it began after age 3
 Number of lifetime asthma cases: 163
 Total number of subjects: 1447
 Comments : Number of cases based on %. Children with asthma beginning up to
 age 3 appear to have been included with the disease-free group in the analysis

Confounders considered Total number of adjustment factors used: 10
 Adjusted for sex : present
 Adjusted for age : 1
 Adjusted for family (parent/sibl) medical history: 2
 Adjusted for SES (inc parental education): 2
 Adjusted for household composition: 1
 Adjusted for day care: 1
 Adjusted for child other medical history/symptoms: 2
 Other confounders considered but rejected: present
 Comments : Adjustment for birthweight and pets not included in final model
 due to lack of significance

Derived 1 - Number of RRs : 2
 RRs available Parental exposure RRs: 2

OCONNE Study description Study title : O'Connell
 Full study title : Minnesota clinic CC 1969-1971
 Study sex : both
 Lowest age in study : 2
 Highest age in study (at baseline): 16
 Study race : all (in country)
 Continent : NAmerica
 Country in N America: USA
 US state : Minn,Ia,Wis,Ill,Mo
 Location within country: Rochester (Minnesota)
 Start year of study : 1969
 End year of study : 1971
 Principal publication year: 1974
 Reference ID of principal publication: OCONNE1974
 Overlap: none
 Principal/subsidiary study: Principal
 REF group : OCONNE

Study design Study type : case/control
 Type of controls (for CC studies): diseased/hospital
 Control diseases/cause of death: not asthma, allergic rhinitis or atopic dermatitis
 Type of population : random in given hosp/clinic(s)
 Type of population - controls (if diff from cases): no siblings with allergic dis
 Respondent : Medical records
 Child smokes : No mention
 Standard questionnaire: Non std/NA/NK

Asthma Lifetime/incidence/unspec asthma available: present
 Source of lifetime asthma diagnosis: Medical records
 Timing of lifetime asthma: unspecified
 Timing of incidence asthma: NA (prevalence analysis only)
 Description of lifetime asthma: asthmatic
 Number of lifetime asthma cases: 400
 Total number of subjects: 628

Other results (not current db) Other definitions of asthma available: present Results available for exacerbation of asthma

Derived 1 - Number of RRs : 1
 RRs available Parental exposure RRs: 1

ODDY	Study description	Study title : Oddy Full study title : Western Australia pregnancy cohort 1989-92 to 1998 Study sex : both Lowest age in study : 0 Highest age in study (at baseline): 0 Highest age in study at final followup: 6 Study race : all (in country) Continent : Australasia Country in Australasia: Australia Location within country: Western Australia Start year of study : 1989 End year of study : 1992 Final follow up year: 1998 Principal publication year: 1999 Reference ID of principal publication: ODDY1999 Overlap: none Principal/subsidiary study: Principal REF group : ODDY
	Study design	Study type : prospective Type of population : all newborns at given hosp(s) Medical exclusions : died before age 6 Respondent : Parent Child smokes : No mention Standard questionnaire: Non std/NA/NK
	Asthma	Lifetime/incidence/unspec asthma available: present Source of lifetime asthma diagnosis: Parent report (physician diag) Timing of lifetime asthma: NA (incidence only) Timing of incidence asthma: lifetime (recruit at birth) Description of lifetime asthma: asthma Number of lifetime asthma cases: 669 Total number of subjects: 2162
	Confounders considered	Total number of adjustment factors used: 4 Adjusted for sex : present Adjusted for day care: 1 Adjusted for child other medical history/symptoms: 2
	Other results (not current db)	Wheezing/wheezing bronchitis available: present Results available for 3+ episodes wheezing since age 1; for wheeze in last year; for sleep disturbance in past year due to wheeze
	Derived 1 - RRs available	Number of RRs : 1 Household exposure RRs: 1
OHARA	Study description	Study title : Ohara Full study title : Sendai & Fukushima schools & nurseries CS 2001 Study sex : both Lowest age in study : 3 Highest age in study (at baseline): 12 Study race : all (in country) Continent : Asia Country in Asia : Japan Location within country: Sendai & Fukushima Start year of study : 2001 End year of study : 2001 Principal publication year: 2002 Reference ID of principal publication: OHARA2002 Overlap: none Principal/subsidiary study: Principal REF group : OHARA
	Study design	Study type : cross-sectional Type of population : school NOS Respondent : Parent Child smokes : No smokers NOS Standard questionnaire: Non std/NA/NK
	Asthma	Current asthma available: present Source of current asthma diagnosis: Parent report (other/uns/mix) Timing of current asthma: last n months (12<=n<24) Description of current asthma: diagnosed asthma and wheezing in last 12m Number of current asthma cases: 141 Total number of subjects: 2141

OHARA
(continued)

Confounders considered Total number of adjustment factors used: 4
 Adjusted for sex : present
 Adjusted for age : 1
 Adjusted for family (parent/sibl) medical history: 1
 Adjusted for household composition: 1

Derived 1 - Number of RRs : 6
 RRs available Parental exposure RRs: 6

OLIVET Study Study title : Oliveti
 description Full study title : Cleveland AA hospital CC 1993-94
 Study sex : both
 Lowest age in study : 4
 Highest age in study (at baseline): 9
 Study race : blacks
 Continent : NAmerica
 Country in N America: USA
 US state : Mich,Ind,Oh,Tenn
 Location within country: inner city Cleveland (Ohio)
 Start year of study : 1993
 End year of study : 1994
 Principal publication year: 1996
 Reference ID of principal publication: OLIVET1996
 Overlap: none
 Principal/subsidiary study: Principal
 REF group : OLIVET

Study design Study type : case/control
 Type of controls (for CC studies): healthy
 Type of population : all prim care & born same hosp
 Medical exclusions : bronchopulmonary dysplasia, cystic fibrosis, anatomic lung
 abnormality, neonatal oxygen/ventilation >14 days
 Respondent : Medical records
 Child smokes : No mention
 Standard questionnaire: Non std/NA/NK

Asthma Current asthma available: present
 Source of current asthma diagnosis: Medical records
 Timing of current asthma: last n months (12<=n<24)
 Description of current asthma: phys-diag asthma and wheeze or cough requiring asthma
 medication in last 12m
 Number of current asthma cases: 131
 Total number of subjects: 262

Matching factors Cases and controls matched on sex: present
 Cases and controls matched on age (CC): present
 Cases and controls matched on race: present
 Matched on location (within study area): present

Confounders considered Total number of adjustment factors used: 5
 Adjusted for family (parent/sibl) medical history: 2
 Adjusted for child other medical history/symptoms: 3
 Other confounders considered but rejected: present
 Comments : Adjustment for CMED(3) rejected from MLR due to lack of
 significance at p=0.05

Other results (not current db) Results by other stratifying factors available: present Results available stratified
 by maternal history asthma; premature birth; bronchiolitis before age 2

Derived 1 - Number of RRs : 5
 RRs available Parental exposure RRs: 5

PALMIE Study description Study title : Palmieri
 Full study title : Italy (Naples?) CC (ca 1988?)
 Study sex : both
 Lowest age in study : 1
 Highest age in study (at baseline): 12
 Study race : whites (inc hispanic)
 Continent : WEurope/Scandinavia
 Country in W Europe : Italy
 Location within country: not stated (Naples?)
 Start year of study : not assessable
 End year of study : not assessable
 Principal publication year: 1990
 Reference ID of principal publication: PALMIE1990
 Overlap: none
 Principal/subsidiary study: Principal
 REF group : PALMIE

Study design Study type : case/control
 Type of controls (for CC studies): healthy
 Type of population : primary care NOS
 Medical exclusions : history of atopic disease
 Respondent : Parent
 Child smokes : No mention
 Standard questionnaire: Non std/NA/NK

Asthma Current asthma available: present
 Source of current asthma diagnosis: Medical records
 Timing of current asthma: last n months (12<=n<24)
 Description of current asthma: 3+ asthma attacks in last 12m
 Number of current asthma cases: 302
 Total number of subjects: 735

Matching factors Comments : Described as matched, but no details given (assumed to mean that controls as well as cases were white and aged 1-12)

Confounders considered Total number of adjustment factors used: 5
 Adjusted for sex : present
 Adjusted for age : 1
 Adjusted for SES (inc parental education): 1
 Adjusted for housing quality/age/size: 1
 Adjusted for child other medical history/symptoms: 1

Other results (not current db) Results by other stratifying factors available: present Results available for cases subdivided on SPT, against combined control group

Derived 1 - RRs available Number of RRs : 10
 Parental exposure RRs: 10

PETERS Study description Study title : Peters
 Full study title : 2 districts air pollution schools PS 1989-91
 Study sex : both
 Lowest age in study : 8
 Highest age in study (at baseline): 12
 Highest age in study at final followup: 14
 Study race : all (in country)
 Continent : Asia
 Country in Asia : HongKong
 Location within country: Kwai Tsing and Southern
 Start year of study : 1989
 End year of study : 1989
 Final follow up year: 1991
 Principal publication year: 1996
 Reference ID of principal publication: PETERS1996
 Overlap: none
 Principal/subsidiary study: Principal
 REF group : PETERS

Study design Study type : prospective
 Type of population : random schoolchildren
 Respondent : Parent and child
 Child smokes : Smokers incl but few (bio/qu)
 Standard questionnaire: Non std/NA/NK

PETERS
(continued)

Asthma	<p>Current asthma available: present Repeat measures for current asthma: present Source of current asthma diagnosis: Parent or child rep (phys dg) Timing of current asthma: current NOS Description of current asthma: asthmatic diagnosis Number of current asthma cases: 254 Total number of subjects: 3521 Comments : Timing of asthma is unspecified, but as its prevalence decreased in successive followups, it is assumed to be current. Number of cases estimated from prevalence at baseline</p>
Confounders considered	<p>Total number of adjustment factors used: 6 Adjusted for sex : present Adjusted for age : 1 Adjusted for location within study: 1 Adjusted for year of diagnosis: 1 Adjusted for SES (inc parental education): 1 Adjusted for housing quality/age/size: 1 Other confounders considered but rejected: present Comments : Adjustment for COHE(2), SES found not to be associated with symptoms and not included in final model. Adjustment for schooling (full vs part-time) is mentioned in Methods but does not appear in Table</p>
Other results (not current db)	<p>Wheezing/wheezing bronchitis available: present Results available for asthma or wheezing; for wheezing</p>
Derived 1 - RRs available	<p>Number of RRs : 6 Household exposure RRs: 6</p>
PIC	<p>Study description</p> <p>Study title : Pic Full study title : Auvergne schools CS 1999-2000 Study sex : both Lowest age in study : 5 Highest age in study (at baseline): 15 Study race : all (in country) Continent : WEurope/Scandinavia Country in W Europe : France Location within country: Auvergne region Start year of study : 1999 End year of study : 2000 Principal publication year: 2002 Reference ID of principal publication: PIC2002 Overlap: none Principal/subsidiary study: Principal REF group : PIC</p>
Study design	<p>Study type : cross-sectional Type of population : random schoolchildren Respondent : Parent Child smokes : No mention Standard questionnaire: Non std/NA/NK Comments : Ages were 5-6 and 14-15 only</p>
Asthma	<p>Current asthma available: present Source of current asthma diagnosis: Parent report (other/uns/mix) Timing of current asthma: last n months (12<=n<24) Description of current asthma: asthma attacks in last 12m Number of current asthma cases: 113 Total number of subjects: 2009 Comments : Number of cases based on %, may be subject to rounding error</p>
Derived 1 - RRs available	<p>Number of RRs : 1 Parental exposure RRs: 1</p>

POKHAR Study description Study title : Pokharel
Full study title : Haryana village schools CC 1995-96
Study sex : both
Lowest age in study : 11
Highest age in study (at baseline): 15
Study race : all (in country)
Continent : Asia
Country in Asia : India
Location within country: Dalyalpur and Chhainsa (Haryana)
Start year of study : 1995
End year of study : 1996
Principal publication year: 2001
Reference ID of principal publication: POKHAR2001
Overlap: none
Principal/subsidiary study: Principal
REF group : POKHAR

Study design Study type : case/control
Type of controls (for CC studies): healthy
Type of population : all in given school(s)
Type of population - controls (if diff from cases): no TB, congen chest/heart prob
Respondent : Child
Child smokes : No mention
Standard questionnaire: ISAAC
Comments : Cases were identified during initial screening of all children
in the schools, then matched controls selected

Asthma Lifetime/incidence/unspec asthma available: present
Source of lifetime asthma diagnosis: Child report (other/uns/mix)
Timing of lifetime asthma: Lifetime
Timing of incidence asthma: NA (prevalence analysis only)
Description of lifetime asthma: bronchial asthma (= 1+ of: ever wheeze; wheeze in last
12m; ever diagnosed asthma; wheeze after exercise in last 12m; persistent night cough
without cold/infection in last 12m)
Number of lifetime asthma cases: 40
Total number of subjects: 120

Matching factors Cases and controls matched on sex: present
Cases and controls matched on age (CC): present

Confounders considered Total number of adjustment factors used: 5
Adjusted for family (parent/sibl) medical history: 1
Adjusted for cooking/heating methods: 1
Adjusted for housing quality/age/size: 1
Adjusted for pets in household: 1
Adjusted for child other medical history/symptoms: 1

Derived 1 - RRs available Number of RRs : 2
Household exposure RRs: 2

PONSON Study description Study title : Ponsonby
Full study title : Tasmania linked SIDS PS and schools CS 1988-95
Study sex : both
Lowest age in study : 0
Highest age in study (at baseline): 0
Highest age in study at final followup: 7
Study race : all (in country)
Continent : Australasia
Country in Australasia: Australia
Location within country: Tasmania
Start year of study : 1988
End year of study : 1988
Final follow up year: 1995
Principal publication year: 2000
Reference ID of principal publication: PONSON2000
Overlap: none
Principal/subsidiary study: Principal
REF group : PONSON

PONSON
(continued)

Study design	Study type : prospective Type of population : rndm newborns high SIDS risk Medical exclusions : restricted to high risk of SIDS Other exclusions : died/moved away by age 7 Respondent : Parent Child smokes : No mention Standard questionnaire: ISAAC Comments : Subjects were identified by linkage between two studies - a cohort study of newborns at high risk of SIDS (approx 20% of all livebirths), and a cross-sectional study of all 7-year olds in schools/distance learning
Asthma	Lifetime/incidence/unspec asthma available: present Source of lifetime asthma diagnosis: Parent report (other/uns/mix) Timing of lifetime asthma: NA (incidence only) Timing of incidence asthma: lifetime (recruit at birth) Description of lifetime asthma: asthma Number of lifetime asthma cases: 280 Total number of subjects: 863
Confounders considered	Total number of adjustment factors used: 6 Adjusted for sex : present Adjusted for family (parent/sibl) medical history: 1 Adjusted for SES (inc parental education): 1 Adjusted for household composition: 1 Adjusted for cooking/heating methods: 1 Adjusted for child other medical history/symptoms: 1
Other results (not current db)	Wheezing/wheezing bronchitis available: present Results available for recent wheeze Other exposures available: present Results included here are for presence of smokers in the household, but results also available broken down by whether smoking was sometimes, or usually, in the same room as child, at age 1m. Results also available for ETS exposure outside the home at age 1m Results by other stratifying factors available: present Results available for babies with shared bedrooms by whether the bedroom door was closed or not
Derived 1 - RRs available	Number of RRs : 11 Parental exposure RRs: 5 Household exposure RRs: 6
RASANE Study description	Study title : Rasanen Full study title : Finnish twins birth cohort 1975-79 CS 1995 Study sex : both Lowest age in study : 16 Highest age in study (at baseline): 16 Study race : all (in country) Continent : WEurope/Scandinavia Country in W Europe : Finland Location within country: nationwide Start year of study : 1991 End year of study : 1995 Principal publication year: 2000 Reference ID of principal publication: RASANE2000 Overlap: none Principal/subsidiary study: Principal REF group : RASANE
Study design	Study type : cross-sectional Type of population : all twins born same country Other exclusions : co-twin died or not living in Finland Respondent : Parent and child Child smokes : Smkrs inc, adj reje as not sig Standard questionnaire: Non std/NA/NK
Asthma	Lifetime/incidence/unspec asthma available: present Source of lifetime asthma diagnosis: Parent report (physician diag) Timing of lifetime asthma: unspecified Timing of incidence asthma: NA (prevalence analysis only) Description of lifetime asthma: asthma Number of lifetime asthma cases: 179 Total number of subjects: 4578

RENNIE Study description

Study title : Rennie
 Full study title : Saskatchewan farming/Hutterite CS 1993
 Study sex : both
 Lowest age in study : 6
 Highest age in study (at baseline): 11
 Study race : all (in country)
 Continent : NAmerica
 Country in N America: Canada
 Location within country: farms in area Saskatchewan with Hutterite communes
 Start year of study : 1993
 End year of study : 1993
 Principal publication year: 2002
 Reference ID of principal publication: RENNIE2002
 Overlap: none
 Principal/subsidiary study: Principal
 REF group : RENNIE

Study design

Study type : cross-sectional
 Type of population : all schlich living on farms
 Other exclusions : restricted to those living on farms or acreages
 Respondent : Parent
 Child smokes : No mention
 Standard questionnaire: Non std/NA/NK
 Comments : Approximate ages corresponding to grades 1-5

Asthma

Lifetime/incidence/unspec asthma available: present
 Source of lifetime asthma diagnosis: Parent report (physician diag)
 Timing of lifetime asthma: Lifetime
 Timing of incidence asthma: NA (prevalence analysis only)
 Description of lifetime asthma: asthma
 Number of lifetime asthma cases: 71
 Total number of subjects: 830

Confounders considered

Total number of adjustment factors used: 6
 Adjusted for sex : present
 Adjusted for age : 1
 Adjusted for damp/mould in home: 1
 Adjusted for pets in household: 1
 Adjusted for farming: 1
 Adjusted for religion: 1
 Comments : Religion refers to Hutterite (an Anabaptist communal group)

Derived 1 - RRs available

Number of RRs : 1
 Parental exposure RRs: 1

RIBEIR Study description

Study title : Ribeiro
 Full study title : Sao Paulo kindergarten/elementary school 1996
 Study sex : both
 Lowest age in study : 4
 Highest age in study (at baseline): 9
 Study race : all (in country)
 Continent : SCAmerica
 Country in S/C America: Brazil
 Location within country: Sao Paulo
 Start year of study : 1996
 End year of study : 1996
 Principal publication year: 2002
 Reference ID of principal publication: RIBEIR2002
 Overlap: none
 Principal/subsidiary study: Principal
 REF group : RIBEIR

Study design

Study type : cross-sectional
 Type of population : all in given school(s)
 Respondent : Parent
 Child smokes : No mention
 Standard questionnaire: Non std/NA/NK
 Comments : Number of cases derived from %, and is suspect (% given seems not to correspond to whole number).

Asthma

Current asthma available: present
 Source of current asthma diagnosis: Parent report (other/uns/mix)
 Timing of current asthma: last n months (n<6)
 Description of current asthma: asthma attack
 Number of current asthma cases: 25
 Total number of subjects: 183

RIBEIR
(continued)

Derived 1 - Number of RRs : 1
RRs available Parental exposure RRs: 1

RONCH1 Study description Study title : Ronchetti 1
Full study title : Rome primary schools CS 1974
Study sex : both
Lowest age in study : 6
Highest age in study (at baseline): 13
Study race : all (in country)
Continent : WEurope/Scandinavia
Country in W Europe : Italy
Location within country: Rome
Start year of study : 1974
End year of study : 1974
Principal publication year: 2001
Reference ID of principal publication: RONCHE2001
Reference ID of additional publication(s): BONCI1993, RONCHE1982
Overlap: none
Principal/subsidiary study: Principal
REF group : RONCH1

Study design Study type : cross-sectional
Type of population : all in given school(s)
Respondent : Parent
Child smokes : No mention
Standard questionnaire: Non std/NA/NK
Comments : Maximum age is given as 15 by RONCH1982

Asthma Lifetime/incidence/unspec asthma available: present
Source of lifetime asthma diagnosis: Parent report (other/uns/mix)
Timing of lifetime asthma: Lifetime
Timing of incidence asthma: NA (prevalence analysis only)
Description of lifetime asthma: ever physician diagnosed asthma, or ever had asthmatic
attack (SOB with audible wheezing) and when playing becomes more breathless than
other children
Number of lifetime asthma cases: 123
Total number of subjects: 2138

Confounders considered Total number of adjustment factors used: 2
Adjusted for family (parent/sibl) medical history: 2

Derived 1 - Number of RRs : 7
RRs available Household exposure RRs: 7

RONCH2 Study description Study title : Ronchetti 2
Full study title : Rome primary schools CS 1992
Study sex : both
Lowest age in study : 6
Highest age in study (at baseline): 14
Study race : all (in country)
Continent : WEurope/Scandinavia
Country in W Europe : Italy
Location within country: Rome
Start year of study : 1992
End year of study : 1992
Principal publication year: 2001
Reference ID of principal publication: RONCHE2001
Reference ID of additional publication(s): BONCI1993, RONCHE2002
Overlap: none
Principal/subsidiary study: Principal
REF group : RONCH2

Study design Study type : cross-sectional
Type of population : all in given school(s)
Respondent : Parent
Child smokes : No mention
Standard questionnaire: Non std/NA/NK

RONCH2
(continued)

Asthma Lifetime/incidence/unspec asthma available: present
 Source of lifetime asthma diagnosis: Parent report (other/uns/mix)
 Timing of lifetime asthma: Lifetime
 Timing of incidence asthma: NA (prevalence analysis only)
 Description of lifetime asthma: ever physician diagnosed asthma, or ever had asthmatic
 attack (SOB with audible wheezing) and when playing becomes more breathless than
 other children
 Number of lifetime asthma cases: 153
 Total number of subjects: 1229

Derived 1 - Number of RRs : 3
 RRs available Household exposure RRs: 3

RONCH3 Study Study title : Ronchetti 3
 description Full study title : Rome primary schools CS 1998
 Study sex : both
 Lowest age in study : 6
 Highest age in study (at baseline): 14
 Study race : all (in country)
 Continent : WEurope/Scandinavia
 Country in W Europe : Italy
 Location within country: Rome
 Start year of study : 1998
 End year of study : 1998
 Principal publication year: 2001
 Reference ID of principal publication: RONCHE2001
 Reference ID of additional publication(s): RONCHE2002
 Overlap: none
 Principal/subsidiary study: Principal
 REF group : RONCH3

Study design Study type : cross-sectional
 Type of population : all in given school(s)
 Other exclusions : participated in earlier study (RONCH2)
 Respondent : Parent
 Child smokes : No mention
 Standard questionnaire: Non std/NA/NK

Asthma Lifetime/incidence/unspec asthma available: present
 Source of lifetime asthma diagnosis: Parent report (other/uns/mix)
 Timing of lifetime asthma: Lifetime
 Timing of incidence asthma: NA (prevalence analysis only)
 Description of lifetime asthma: ever physician diagnosed asthma, or ever had asthmatic
 attack (SOB with audible wheezing) and when playing becomes more breathless than
 other children
 Number of lifetime asthma cases: 131
 Total number of subjects: 1139

Derived 1 - Number of RRs : 3
 RRs available Household exposure RRs: 3

RONMAR Study Study title : Ronmark
 description Full study title : Norbotten primary school PS 1996-99
 Study sex : both
 Lowest age in study : 7
 Highest age in study (at baseline): 8
 Highest age in study at final followup: 11
 Study race : all (in country)
 Continent : WEurope/Scandinavia
 Country in W Europe : Sweden
 Location within country: 3 towns in Norbotten (northernmost province)
 Start year of study : 1996
 End year of study : 1996
 Final follow up year: 1999
 Principal publication year: 2002
 Reference ID of principal publication: RONMAR2002
 Reference ID of additional publication(s): RONMAR1998, RONMAR1999, RONMAR2001, PERZAN2002
 Overlap: none
 Principal/subsidiary study: Principal
 REF group : RONMAR

RONMAR
(continued)

Study design	Study type : prospective Type of population : all schoolchildren Other exclusions : children who moved away were excluded from onset analyses Respondent : Parent Child smokes : No mention Standard questionnaire: ISAAC Comments : All children (of the relevant grades) were interviewed each year, with no attempt to restrict participation to those enrolled at baseline, or to trace any who may have moved away. However the analyses of the followup data have probably been restricted to those who participated in the baseline
Asthma	Lifetime/incidence/unspec asthma available: present Source of lifetime asthma diagnosis: Parent report (other/uns/mix) Timing of lifetime asthma: Lifetime Timing of incidence asthma: since baseline (earlier excl) Description of lifetime asthma: asthma Current asthma available: present Source of current asthma diagnosis: Parent report (other/uns/mix) Timing of current asthma: last n months (12<=n<24) Description of current asthma: phys diag asthma with either symptoms or use of asthma medication in last 12m Number of lifetime asthma cases: 311 Number of current asthma cases: 182 Total number of subjects: 3453
Confounders considered	Total number of adjustment factors used: 11 Adjusted for sex : present Adjusted for location within study: 1 Adjusted for family (parent/sibl) medical history: 1 Adjusted for damp/mould in home: 1 Adjusted for pets in household: 1 Adjusted for child other medical history/symptoms: 6
Other results (not current db)	Other definitions of asthma available: present Results available for prevalence for: asthma profile (current asthma or wheezing or use of asthma medicines in last 12m); for asthma medication in last 12m; for a small subset, for physician validated asthma; and for onset for: physician diagnosed asthma (not entered as less detail available than for 'ever asthma') Wheezing/wheezing bronchitis available: present Results available for wheezing in last 12m, for both prevalence and onset Results by other stratifying factors available: present Results available for a small subset stratified by +ve skin prick test
Derived 1 - RRs available	Number of RRs : 5 Parental exposure RRs: 5
ROSASV Study description	Study title : Rosas Vargas Full study title : Mexico allergy clinic CC (ca 2001?) Study sex : both Lowest age in study : 1 Highest age in study (at baseline): 3 Study race : all (in country) Continent : SCAmerica Country in S/C America: Mexico Location within country: not stated Start year of study : not assessable End year of study : not assessable Principal publication year: 2002 Reference ID of principal publication: ROSASV2002 Overlap: none Principal/subsidiary study: Principal REF group : ROSASV
Study design	Study type : case/control Type of controls (for CC studies): diseased/hospital Control diseases/cause of death: attending allergy and immunology clinic Type of population : hospital NOS Medical exclusions : neurologic, cardiac or neoplastic disease; adverse systemic reaction during SPT Respondent : Parent Child smokes : No mention Standard questionnaire: Non std/NA/NK

ROSASV
(continued)

Asthma	Lifetime/incidence/unspec asthma available: present Source of lifetime asthma diagnosis: Medical records Timing of lifetime asthma: unspecified Timing of incidence asthma: NA (prevalence analysis only) Description of lifetime asthma: asthma according to international guidelines Number of lifetime asthma cases: 74 Total number of subjects: 148
Derived 1 - RRs available	Number of RRs : 1 Parental exposure RRs: 1
RUDNIK	Study title : Rudnik Full study title : Cracow & Limanowa air pollution LS 1974-1980 Study sex : both Lowest age in study : 8 Highest age in study (at baseline): 10 Highest age in study at final followup: 16 Study race : all (in country) Continent : EEurope/Balkans Country in E Europe/Balkans: Poland Location within country: Cracow and Limanowa Start year of study : 1974 End year of study : 1980 Final follow up year: 1980 Principal publication year: 1985 Reference ID of principal publication: RUDNIK1985 Overlap: none Principal/subsidiary study: Principal REF group : RUDNIK
Study design	Study type : prospective Type of population : school NOS Respondent : Parent Child smokes : No mention Standard questionnaire: WHO Comments : There were 3 rounds of study, at each of which children aged 8-10 were recruited, and children from previous round(s) were re-interviewed
Asthma	Lifetime/incidence/unspec asthma available: present Source of lifetime asthma diagnosis: Parent report (other/uns/mix) Timing of lifetime asthma: unspecified Timing of incidence asthma: NA (prevalence analysis only) Description of lifetime asthma: asthma Number of lifetime asthma cases: not assessable Total number of subjects: 12693
Derived 1 - RRs available	Number of RRs : 3 Household exposure RRs: 3
SANZOR	Study title : Sanz Ortega Full study title : Valencia schools CS (ca 1988?) Study sex : both Lowest age in study : 7 Highest age in study (at baseline): 14 Study race : all (in country) Continent : WEurope/Scandinavia Country in W Europe : Spain Location within country: city of Valencia Start year of study : not assessable End year of study : not assessable Principal publication year: 1990 Reference ID of principal publication: SANZOR1990 Overlap: none Principal/subsidiary study: Principal REF group : SANZOR
Study design	Study type : cross-sectional Type of population : random schoolchildren Respondent : Parent and child Child smokes : Smokers included Standard questionnaire: ATS/NHLI/ESP

SANZOR
(continued)

Asthma Lifetime/incidence/unspec asthma available: present
Source of lifetime asthma diagnosis: Parent report (other/uns/mix)
Timing of lifetime asthma: unspecified
Timing of incidence asthma: NA (prevalence analysis only)
Description of lifetime asthma: asthma
Number of lifetime asthma cases: 79
Total number of subjects: 1566

Derived 1 - Number of RRs : 1
RRs available Parental exposure RRs: 1

SARRAZ Study Study title : Sarrazola S'uan
description Full study title : Mexico allergy clinic CC (ca 1996?)
Study sex : both
Lowest age in study : 6
Highest age in study (at baseline): 10
Study race : all (in country)
Continent : SCAmerica
Country in S/C America: Mexico
Location within country: Social Security Institute Area 1
Start year of study : not assessable
End year of study : not assessable
Principal publication year: 1997
Reference ID of principal publication: SARRAZ1997
Overlap: none
Principal/subsidiary study: Principal
REF group : SARRAZ
Comments : Author's name is Sarrazola Sanjuan

Study design Study type : case/control
Type of controls (for CC studies): diseased/hospital
Control diseases/cause of death: attending allergy clinic
Type of population : hospital NOS
Medical exclusions : immunodeficiency, congenital heart disease, cystic fibrosis,
autoimmune disease, mental impairment
Other exclusions : lived <2 years at current address
Type of population - controls (if diff from cases): no resp symptms or hist asthma
Respondent : Parent
Child smokes : No mention
Standard questionnaire: Non std/NA/NK

Asthma Current asthma available: present
Source of current asthma diagnosis: Medical records
Timing of current asthma: current diagnosis
Description of current asthma: asthma (clinical history and lung function tests)
Number of current asthma cases: 14
Total number of subjects: 35

Derived 1 - Number of RRs : 1
RRs available Household exposure RRs: 1

SCHENK Study Study title : Schenker
description Full study title : Chestnut Ridge school CS 1979
Study sex : both
Lowest age in study : 5
Highest age in study (at baseline): 14
Study race : all (in country)
Continent : NAmerica
Country in N America: USA
US state : Pa,NJ,Md,WVa,Va,Del,WashDC
Location within country: Chestnut Ridge region (Pennsylvania)
Start year of study : 1979
End year of study : 1979
Principal publication year: 1983
Reference ID of principal publication: SCHENK1983
Overlap: none
Principal/subsidiary study: Principal
REF group : SCHENK

SCHENK
(continued)

Study design Study type : cross-sectional
 Type of population : random schoolchildren
 Other exclusions : single parent families
 Respondent : Parent and child
 Child smokes : Smokers incl but few (bio/qu)
 Standard questionnaire: ATS/NHLI/ESP

Asthma Lifetime/incidence/unspec asthma available: present
 Source of lifetime asthma diagnosis: Parent report (physician diag)
 Timing of lifetime asthma: Lifetime
 Timing of incidence asthma: NA (prevalence analysis only)
 Description of lifetime asthma: asthma
 Number of lifetime asthma cases: 143
 Total number of subjects: 4071

Confounders considered Total number of adjustment factors used: 3
 Adjusted for sex : present
 Adjusted for family (parent/sibl) medical history: 2
 Other confounders considered but rejected: present
 Comments : Adjustment for age, mother as respondent, SES, gas cooking
 rejected from stepwise MLR

Other results (not current db) Wheezing/wheezing bronchitis available: present Results available for persistent wheeze

Derived 1 - RRs available Number of RRs : 1
 Parental exposure RRs: 1

SCHMIT Study description Study title : Schmitzberger
 Full study title : Austrian Tyrol air pollution schools CS 1989
 Study sex : both
 Lowest age in study : 6
 Highest age in study (at baseline): 15
 Study race : all (in country)
 Continent : WEurope/Scandinavia
 Country in W Europe : Austria
 Location within country: Austrian Tyrolian alps
 Start year of study : 1989
 End year of study : 1989
 Principal publication year: 1993
 Reference ID of principal publication: SCHMIT1993
 Overlap: none
 Principal/subsidiary study: Principal
 REF group : SCHMIT

Study design Study type : cross-sectional
 Type of population : school NOS
 Medical exclusions : respiratory tract infection in last 3w
 Other exclusions : lived in region <3y
 Respondent : Parent and child
 Child smokes : Smokers incl but few (bio/qu)
 Standard questionnaire: Non std/NA/NK

Asthma Current asthma available: present
 Source of current asthma diagnosis: Parent report (physician diag)
 Timing of current asthma: last n months (12<=n<24)
 Description of current asthma: phys diag asthma with medication and attack rates in last 12m evaluated (although criteria used not stated)
 Number of current asthma cases: 67
 Total number of subjects: 1626

Confounders considered Total number of adjustment factors used: 4
 Adjusted for sex : present
 Adjusted for age : 1
 Adjusted for SES (inc parental education): 1
 Adjusted for cooking/heating methods: 1

Other results (not current db) Results by other stratifying factors available: present Results available stratified by location (air pollution zones)

Derived 1 - RRs available Number of RRs : 2
 Parental exposure RRs: 2

SELCUK	Study description	Study title : Selcuk Full study title : Edirne schools CS 1994 Study sex : both Lowest age in study : 7 Highest age in study (at baseline): 12 Study race : all (in country) Continent : EEurope/Balkans Country in E Europe/Balkans: Turkey Location within country: Edirne and environs Start year of study : 1994 End year of study : 1994 Principal publication year: 1997 Reference ID of principal publication: SELCUK1997 Overlap: none Principal/subsidiary study: Principal REF group : SELCUK
	Study design	Study type : cross-sectional Type of population : random schoolchildren Respondent : Parent Child smokes : No mention Standard questionnaire: Non std/NA/NK Comments : In city schools, all children in randomly selected classes from all schools were included; in villages, only the 24 (65%) of schools with 20+ pupils were included, and all pupils at those schools were included
	Asthma	Lifetime/incidence/unspec asthma available: present Source of lifetime asthma diagnosis: Parent report (physician diag) Timing of lifetime asthma: Lifetime Timing of incidence asthma: NA (prevalence analysis only) Description of lifetime asthma: bronchial asthma Current asthma available: present Source of current asthma diagnosis: Parent report (physician diag) Timing of current asthma: last n months (12<=n<24) Description of current asthma: phys diag bronchial asthma with sympts in last 12m Number of lifetime asthma cases: 882 Number of current asthma cases: 308 Total number of subjects: 5412 Comments : Numbers of cases based on %s by passive smoke exposure, and differ slightly from overall prevalences given
	Confounders considered	Total number of adjustment factors used: 6 Adjusted for sex : present Adjusted for age : 1 Adjusted for location within study: 1 Adjusted for family (parent/sibl) medical history: 1 Adjusted for pets in household: 1 Adjusted for child other medical history/symptoms: 1
	Other results (not current db)	Wheezing/wheezing bronchitis available: present Results available for wheeze (as witnessed by parents) ever, and in last 12m
	Derived 1 - RRs available	Number of RRs : 4 Household exposure RRs: 4
SENNHA	Study description	Study title : Sennhauser Full study title : Swiss household CS 1990 Study sex : both Lowest age in study : 1 Highest age in study (at baseline): 16 Study race : all (in country) Continent : WEurope/Scandinavia Country in W Europe : Switzerland Location within country: German and French areas Start year of study : 1990 End year of study : 1990 Principal publication year: 1992 Reference ID of principal publication: SENNHA1992 Overlap: none Principal/subsidiary study: Principal REF group : SENNHA

SENNHA
(continued)

Study design Study type : cross-sectional
 Type of population : all children rndm households
 Other exclusions : non-Swiss nationals
 Respondent : Parent
 Child smokes : No mention
 Standard questionnaire: Non std/NA/NK

Asthma Lifetime/incidence/unspec asthma available: present
 Source of lifetime asthma diagnosis: Parent report (physician diag)
 Timing of lifetime asthma: Lifetime
 Timing of incidence asthma: NA (prevalence analysis only)
 Description of lifetime asthma: bronchial asthma
 Number of lifetime asthma cases: 251
 Total number of subjects: 4156

Other results Other definitions of asthma available: present Results available for asthma symptom (= frequent nighttime irritable cough)
 (not current db)

Derived 1 - Number of RRs : 1
 RRs available Household exposure RRs: 1

SHAMSS Study Study title : Shamssain
 description Full study title : NE England schools CS (ca 1998?)
 Study sex : both
 Lowest age in study : 6
 Highest age in study (at baseline): 7
 Study race : all (in country)
 Continent : WEurope/Scandinavia
 Country in W Europe : UK
 Location within country: North east England
 Start year of study : not assessable
 End year of study : not assessable
 Principal publication year: 1999
 Reference ID of principal publication: SHAMSS1999
 Overlap: none
 Principal/subsidiary study: Principal
 REF group : SHAMSS

Study design Study type : cross-sectional
 Type of population : random schoolchildren
 Respondent : Parent
 Child smokes : No mention
 Standard questionnaire: ISAAC

Asthma Lifetime/incidence/unspec asthma available: present
 Source of lifetime asthma diagnosis: Parent report (other/uns/mix)
 Timing of lifetime asthma: Lifetime
 Timing of incidence asthma: NA (prevalence analysis only)
 Description of lifetime asthma: asthma
 Number of lifetime asthma cases: 681
 Total number of subjects: 3000
 Comments : Number of cases based on %, may be subject to rounding error

Other results Other definitions of asthma available: present Text refers to 'severe asthma attack',
 (not current db) but results are only presented for various wheezing symptoms and it is not clear which of these is referred to
 Wheezing/wheezing bronchitis available: present Results available for wheeze ever; for limitation of speech during wheezing attack in last 12m; for wheeze in 1st 12m; for wheeze with exercise in last 12m

Derived 1 - Number of RRs : 4
 RRs available Parental exposure RRs: 4

SHERMA Study description Study title : Sherman
Full study title : East Boston school LS 1975-88
Study sex : both
Lowest age in study : 5
Highest age in study (at baseline): 9
Highest age in study at final followup: 23
Study race : all (in country)
Continent : NAmerica
Country in N America: USA
US state : Vt,Me,NY,NH,Mass,RI,Conn
Location within country: East Boston (Massachusetts)
Start year of study : 1975
End year of study : 1975
Final follow up year: 1988
Principal publication year: 1990
Reference ID of principal publication: SHERMA1990
Reference ID of additional publication(s): TAGER1979,WEISS1980,OCONNO1987,CAREY1996
Overlap: none
Principal/subsidiary study: Principal
REF group : SHERMA

Study design Study type : prospective
Type of population : random schoolchildren
Respondent : Parent and child
Child smokes : Smokers included
Standard questionnaire: ATS/NHLI/ESP

Asthma Lifetime/incidence/unspec asthma available: present
Source of lifetime asthma diagnosis: Parent or child rep (phys dg)
Timing of lifetime asthma: NA (incidence only)
Timing of incidence asthma: lifetime (retrospective)
Description of lifetime asthma: asthma
Number of lifetime asthma cases: 91
Total number of subjects: 770
Comments : Baseline questionnaire asked about previous asthma, subsequent questionnaires asked about asthma since last interview

Confounders considered Total number of adjustment factors used: 2
Adjusted for sex : present
Adjusted for age : 1

Other results (not current db) Wheezing/wheezing bronchitis available: present Results available for persistent wheeze cough and phlegm
Other results for child smokers available: present Results available for child (active) smoking

Derived 1 - RRs available Number of RRs : 4
Parental exposure RRs: 4

SHOHAT Study description Study title : Shohat
Full study title : National schools CS 1997
Study sex : both
Lowest age in study : 13
Highest age in study (at baseline): 14
Study race : all (in country)
Continent : Asia
Country in Asia : Israel
Location within country: nationwide
Start year of study : 1997
End year of study : 1997
Principal publication year: 2002
Reference ID of principal publication: SHOHAT2002
Overlap: none
Principal/subsidiary study: Principal
REF group : SHOHAT

Study design Study type : cross-sectional
Type of population : random schoolchildren
Respondent : Child
Child smokes : No mention
Standard questionnaire: ISAAC

SHOHAT
(continued)

Asthma	Current asthma available: present Source of current asthma diagnosis: Child report (other/uns/mix) Timing of current asthma: current NOS Description of current asthma: asthma (= asthma or spastic bronchitis. The term 'spastic bronchitis' was described as 'more commonly used by the public for asthma') Number of current asthma cases: 708 Total number of subjects: 10057 Comments : Number of cases based on %
Confounders considered	Total number of adjustment factors used: 13 Adjusted for sex : present Adjusted for race : 1 Adjusted for location within study: 1 Adjusted for family (parent/sibl) medical history: 1 Adjusted for parent's age: 1 Adjusted for SES (inc parental education): 2 Adjusted for household composition: 1 Adjusted for housing quality/age/size: 1 Adjusted for pets in household: 1 Adjusted for obesity/BMI: 1 Adjusted for parental smoking current/since birth: 2
Other results (not current db)	Wheezing/wheezing bronchitis available: present Results available for current wheeze Results by other stratifying factors available: present Results for current wheeze available stratified by sex and race (Jewish/Arab)
Derived 1 - RRs available	Number of RRs : 4 Parental exposure RRs: 4
SIGURS Study description	Study title : Sigurs Full study title : Boras hospital bronchiolitis prosp study 1989-93 Study sex : both Lowest age in study : 0 Highest age in study (at baseline): 1 Highest age in study at final followup: 3 Study race : all (in country) Continent : WEurope/Scandinavia Country in W Europe : Sweden Location within country: Boras Start year of study : 1989 End year of study : 1990 Final follow up year: 1993 Principal publication year: 1995 Reference ID of principal publication: SIGURS1995 Overlap: none Principal/subsidiary study: Principal REF group : SIGURS
Study design	Study type : prospective Type of population : bronchiolitis gvn hosp+pop con Respondent : Parent Child smokes : No mention Standard questionnaire: Non std/NA/NK Comments : Subjects were 47 infants (age <1) hospitalized for bronchiolitis without concomitant chronic respiratory, cardiac or other disease, plus 93 sex- age- and district- matched population controls, but analysis relevant to asthma is based on combined groups, and is analysed as a prospective study
Asthma	Lifetime/incidence/unspec asthma available: present Source of lifetime asthma diagnosis: Parent report (physician diag) Timing of lifetime asthma: NA (incidence only) Timing of incidence asthma: lifetime (recruit at birth) Description of lifetime asthma: asthma (= 3 episodes of bronchial obstruction) verified by physician Number of lifetime asthma cases: 12 Total number of subjects: 140 Comments : Recruitment was at age <1, and there was no pre-existing asthma
Matching factors	Comments : Subjects were originally matched as Bronchiolitis cases and population controls on sex, age and district, but this is not relevant to the analysis of asthma

SIGURS
(continued)

Other results (not current db) Wheezing/wheezing bronchitis available: present Results available for recurrent wheezing (i.e. 3 episodes but not verified by physician); any wheezing (i.e. asthma, recurrent wheezing or <3 episodes of wheezing)

Derived 1 - RRs available Number of RRs : 1
Parental exposure RRs: 1

SOMERV

Study description Study title : Somerville NSHG
Full study title : UK National Study of Health & Growth LS - 1982
Study sex : both
Lowest age in study : 5
Highest age in study (at baseline): 11
Study race : all (in country)
Continent : WEurope/Scandinavia
Country in W Europe : UK
Location within country: 22 English areas
Start year of study : 1982
End year of study : 1982
Principal publication year: 1988
Reference ID of principal publication: SOMERV1988
Reference ID of additional publication(s): CHINN2001
Overlap: MELIA/SOMERV/CHINN
Principal/subsidiary study: Principal
REF group : SOMERV
Comments : Part of a longitudinal study of children age 5-11 in selected areas. Same areas studied in 1977 (MELIA), 1982 (SOMERV) and 1988 (part of CHINN) but have been entered separately as analysis treats then as separate cross-sectional studies. Overlap is small (e.g. 5% of children in CHINN-1988 had been in SOMERV-1982). Although not altogether clear, it seems that areas studied in 1987 and 1988 were non-overlapping, so combined results for those years are entered (CHINN)

Study design Study type : cross-sectional
Type of population : random schoolchildren
Respondent : Parent
Child smokes : Discussed, but no data avail
Standard questionnaire: Non std/NA/NK
Comments : The study also included 5 areas in Scotland but no results are presented

Asthma Current asthma available: present
Source of current asthma diagnosis: Parent report (other/uns/mix)
Timing of current asthma: last n months (12<=n<24)
Description of current asthma: at least one asthma attack in last 12m
Number of current asthma cases: 209
Total number of subjects: 5922

Confounders considered Total number of adjustment factors used: 11
Adjusted for age : 1
Adjusted for parent's age: 1
Adjusted for SES (inc parental education): 3
Adjusted for household composition: 2
Adjusted for housing quality/age/size: 1
Adjusted for child other medical history/symptoms: 1
Adjusted for obesity/BMI: 1
Adjusted for maternal smoking in pregnancy: 1
Comments : Use of maternal smoking in pregnancy as a potential confounder is unclear

Other results (not current db) Wheezing/wheezing bronchitis available: present Results available for chest ever sound wheezy of whistling; chest wheezy or whistling most days or nights

Derived 1 - RRs available Number of RRs : 4
Parental exposure RRs: 4

SOTOQU Study description

Study title : Soto-Quiros
 Full study title : Costa Rica schools CS 1987
 Study sex : both
 Lowest age in study : 5
 Highest age in study (at baseline): 17
 Study race : all (in country)
 Continent : SCAmerica
 Country in S/C America: Costa Rica
 Location within country: throughout Costa Rica
 Start year of study : 1987
 End year of study : 1987
 Principal publication year: 1994
 Reference ID of principal publication: SOTOQU1994
 Overlap: none
 Principal/subsidiary study: Principal
 REF group : SOTOQU

Study design

Study type : cross-sectional
 Type of population : random schoolchildren
 Respondent : Parent
 Child smokes : No mention
 Standard questionnaire: Non std/NA/NK

Asthma

Current asthma available: present
 Source of current asthma diagnosis: Parent report (other/uns/mix)
 Timing of current asthma: current NOS
 Description of current asthma: asthma (= symptom score 3, based on symptoms after URTI, symptoms after exercise, frequent cough), or symptom score 2 + physician diagnosis of asthma)
 Number of current asthma cases: 594
 Total number of subjects: 2534

Derived 1 - RRs available

Number of RRs : 3
 Parental exposure RRs: 2
 Household exposure RRs: 1

SOYSET Study description

Study title : Soyseth
 Full study title : Western Norway schools CS 1989-92
 Study sex : both
 Lowest age in study : 7
 Highest age in study (at baseline): 13
 Study race : all (in country)
 Continent : WEurope/Scandinavia
 Country in W Europe : Norway
 Location within country: 2 valleys in western Norway (Ardal?)
 Start year of study : 1989
 End year of study : 1992
 Principal publication year: 1995
 Reference ID of principal publication: SOYSET1995
 Overlap: none
 Principal/subsidiary study: Principal
 REF group : SOYSET

Study design

Study type : cross-sectional
 Type of population : all schoolchildren
 Respondent : Parent
 Child smokes : No mention
 Standard questionnaire: Non std/NA/NK
 Comments : Refers to all children in alternate school grades (1st, 3rd, 5th)

Asthma

Lifetime/incidence/unspec asthma available: present
 Source of lifetime asthma diagnosis: Parent report (other/uns/mix)
 Timing of lifetime asthma: Lifetime
 Timing of incidence asthma: NA (prevalence analysis only)
 Description of lifetime asthma: asthma
 Number of lifetime asthma cases: 51
 Total number of subjects: 618

SQUILL Study description

Study title : Squillace
 Full study title : Central Virginia schools CC 1992-93
 Study sex : both
 Lowest age in study : 8
 Highest age in study (at baseline): 12
 Study race : all (in country)
 Continent : NAmerica
 Country in N America: USA
 US state : Pa,NJ,Md,WVa,Va,Del,WashDC
 Location within country: central Virginia
 Start year of study : 1992
 End year of study : 1993
 Principal publication year: 1997
 Reference ID of principal publication: SQUILL1997
 Overlap: none
 Principal/subsidiary study: Principal
 REF group : SQUILL

Study design

Study type : case/control
 Type of controls (for CC studies): healthy
 Type of population : all in given school(s)
 Respondent : Parent
 Child smokes : No mention
 Standard questionnaire: ATS/NHLI/ESP
 Comments : Age unknown, refers to middle school. All students participated in initial screening and controls were randomly selected from asymptomatic subjects

Asthma

Lifetime/incidence/unspec asthma available: present
 Source of lifetime asthma diagnosis: Parent or child rep (oth/unsp)
 Timing of lifetime asthma: unspecified
 Timing of incidence asthma: NA (prevalence analysis only)
 Description of lifetime asthma: 3+ symptoms suggestive of asthma
 Number of lifetime asthma cases: 135
 Total number of subjects: 441

Other results (not current db)

Other definitions of asthma available: present Results available (from a subset of the study) for 3+ symptoms suggestive of asthma and responded to histamine bronchoprovocation
 Results by other stratifying factors available: present Results also available for subset of study undergoing further tests

Derived 1 - RRs available

Number of RRs : 1
 Household exposure RRs: 1

STANHO Study description

Study title : Stanhope
 Full study title : Wairoa school CS 1975
 Study sex : both
 Lowest age in study : 12
 Highest age in study (at baseline): 18
 Study race : all (in country)
 Continent : Australasia
 Country in Australasia: New Zealand
 Location within country: Wairoa
 Start year of study : 1975
 End year of study : 1975
 Principal publication year: 1979
 Reference ID of principal publication: STANHO1979
 Overlap: none
 Principal/subsidiary study: Principal
 REF group : STANHO

Study design

Study type : cross-sectional
 Type of population : random in given school(s)
 Respondent : Child
 Child smokes : Smokers excl questionnaire
 Standard questionnaire: Non std/NA/NK
 Comments : Results were originally presented including active smokers, but in sufficient detail to allow maternal smoking among non-smokers to be extracted

STANHO
(continued)

Asthma	<p>Lifetime/incidence/unspec asthma available: present Source of lifetime asthma diagnosis: Child report (other/uns/mix) Timing of lifetime asthma: Lifetime Timing of incidence asthma: NA (prevalence analysis only) Description of lifetime asthma: one or more episodes labelled asthma Current asthma available: present Source of current asthma diagnosis: Child report (other/uns/mix) Timing of current asthma: last n months (12<=n<24) Description of current asthma: one or more episodes labelled asthma in last 12m Number of lifetime asthma cases: 27 Number of current asthma cases: 21 Total number of subjects: 389</p>
Other results (not current db)	<p>Other definitions of asthma available: present Results available for subclinical asthma (= 1+ episodes of wheeze not labelled as asthma and not associated with respiratory infection) Wheezing/wheezing bronchitis available: present Results available for wheeze associated with respiratory infection (in last 12m and ever) Other results for child smokers available: present Results for maternal smoking also available for active smokers; for paternal smoking and smoking by elder siblings, results are only available for child smokers and non-smokers combined, and are not significant</p>
Derived 1 - RRs available	<p>Number of RRs : 2 Parental exposure RRs: 2</p>
STAZI	<p>Study description</p> <p>Study title : Stazi Full study title : Basilicata infant vaccination CS 1993-94 Study sex : both Lowest age in study : 0 Highest age in study (at baseline): 5 Study race : all (in country) Continent : WEurope/Scandinavia Country in W Europe : Italy Location within country: 3 towns in Basilicata Start year of study : 1993 End year of study : 1994 Principal publication year: 2002 Reference ID of principal publication: STAZI2002 Reference ID of additional publication(s): ANNESI1996 Overlap: none Principal/subsidiary study: Principal REF group : STAZI</p> <p>Study design</p> <p>Study type : cross-sectional Type of population : all children Respondent : Parent Child smokes : No mention Standard questionnaire: Non std/NA/NK Comments : Infants were recruited at vaccination centres</p> <p>Asthma</p> <p>Lifetime/incidence/unspec asthma available: present Source of lifetime asthma diagnosis: Parent report (physician diag) Timing of lifetime asthma: Lifetime Timing of incidence asthma: NA (prevalence analysis only) Description of lifetime asthma: asthma Number of lifetime asthma cases: 6 Total number of subjects: 201 Comments : Number of cases based on %, may be subject to rounding error</p> <p>Confounders considered</p> <p>Total number of adjustment factors used: 7 Adjusted for sex : present Adjusted for age : 1 Adjusted for child other medical history/symptoms: 4 Adjusted for maternal smoking in pregnancy: 1 Other confounders considered but rejected: present Comments : Adjustment for CMED(9), SES(2), DAMP, PETS, ALGN, COHE, DAYC, FMED, vehicular traffic, diet and parental smoking since birth (both mother and father, both questionnaire and biochemical) were not included in MLR due to lack of significance in age- and sex- adjusted analysis</p>

STAZI
(continued)

Other results (not current db) Wheezing/wheezing bronchitis available: present Results available for frequent wheezing
Results by other stratifying factors available: present Results also available restricted to subjects with frequent infantile colic

Derived 1 - RRs available Number of RRs : 10
Parental exposure RRs: 10

STERN1 Study description Study title : Stern 1
Full study title : Ontario & Manitoba air pollution schools CS 1983
Study sex : both
Lowest age in study : 7
Highest age in study (at baseline): 12
Study race : all (in country)
Continent : NAmerica
Country in N America: Canada
Location within country: Tillsonburg Ontario & Portage La Prairie Manitoba
Start year of study : 1983
End year of study : 1983
Principal publication year: 1989
Reference ID of principal publication: STERN1989A
Overlap: STERN1/STERN2
Principal/subsidiary study: Principal
REF group : STERN1
Comments : STERN1/STERN2 may overlap as Tillsonburg is one of 2 towns studied by STERN1 in 1983, and one of 10 towns studied by STERN2. The timing of STERN2 is not stated but not likely to relate to the same survey year, as STERN1 commented on the lack of lifetime asthma data which was available in STERN2. However it is likely that STERN2 was conducted only a few years later and younger children would therefore have been included again

Study design Study type : cross-sectional
Type of population : all schoolchildren
Other exclusions : outlying school near military base
Respondent : Parent
Child smokes : No mention
Standard questionnaire: ATS/NHLI/ESP

Asthma Current asthma available: present
Source of current asthma diagnosis: Parent report (other/uns/mix)
Timing of current asthma: last n months (12<=n<24)
Description of current asthma: asthma attack in past year
Number of current asthma cases: 50
Total number of subjects: 1317
Comments : Number of subjects is derived from tables, and exceeds number (38) stated in text page 35

Other results (not current db) Wheezing/wheezing bronchitis available: present Results available for wheeze in last year

Derived 1 - RRs available Number of RRs : 2
Parental exposure RRs: 2

STERN2 Study description Study title : Stern 2
Full study title : Ontario & Saskatchewan schools CS (ca 1986?)
Study sex : both
Lowest age in study : 7
Highest age in study (at baseline): 12
Study race : all (in country)
Continent : NAmerica
Country in N America: Canada
Location within country: 10 communities in Ontario & Saskatchewan
Start year of study : not assessable
End year of study : not assessable
Principal publication year: 1989
Reference ID of principal publication: STERN1989
Reference ID of additional publication(s): STERN1987
Overlap: STERN1/STERN2
Principal/subsidiary study: Principal
REF group : STERN2
Comments : STERN1/STERN2 may overlap as Tillsonburg is one of 2 towns studied by STERN1 in 1983, and one of 10 towns studied by STERN2. The timing of

STERN2
(continued)

STERN2 is not stated but not likely to relate to the same survey year, as STERN1 commented on the lack of lifetime asthma data which was available in STERN2. However it is likely that STERN2 was conducted only a few years later and younger children would therefore have been included again

Study design Study type : cross-sectional
 Type of population : school NOS
 Respondent : Parent
 Child smokes : No mention
 Standard questionnaire: Non std/NA/NK

Asthma Lifetime/incidence/unspec asthma available: present
 Source of lifetime asthma diagnosis: Parent report (physician diag)
 Timing of lifetime asthma: Lifetime
 Timing of incidence asthma: NA (prevalence analysis only)
 Description of lifetime asthma: asthma
 Current asthma available: present
 Source of current asthma diagnosis: Parent report (physician diag)
 Timing of current asthma: last n months (12<=n<24)
 Description of current asthma: asthma in previous year
 Number of lifetime asthma cases: not assessable
 Number of current asthma cases: not assessable
 Total number of subjects: 4099

Confounders considered Total number of adjustment factors used: 3
 Adjusted for family (parent/sibl) medical history: 1
 Adjusted for SES (inc parental education): 1
 Adjusted for cooking/heating methods: 1

Other results (not current db) Wheezing/wheezing bronchitis available: present Results available for wheeze

Derived 1 - Number of RRs : 8
 RRs available Parental exposure RRs: 4
 In utero x parent exposure combination RRs: 4

STODDA Study description Study title : Stoddard
 Full study title : US National Medical Expenditure household CS 1987
 Study sex : both
 Lowest age in study : 0
 Highest age in study (at baseline): 17
 Study race : all (in country)
 Continent : N America
 Country in N America: USA
 US state : all
 Location within country: nationwide
 Start year of study : 1986
 End year of study : 1987
 Principal publication year: 1995
 Reference ID of principal publication: STODDA1995
 Overlap: none
 Principal/subsidiary study: Principal
 REF group : STODDA

Study design Study type : cross-sectional
 Type of population : random children
 Respondent : Household member
 Child smokes : No mention
 Standard questionnaire: Non std/NA/NK

Asthma Current asthma available: present
 Source of current asthma diagnosis: Parent report (other/uns/mix)
 Timing of current asthma: last n months (12<=n<24)
 Description of current asthma: asthma (= asthma or wheezing in last 12m)
 Number of current asthma cases: 667
 Total number of subjects: 7529

STODDA
(continued)

Confounders considered Total number of adjustment factors used: 10
 Adjusted for sex : present
 Adjusted for age : 1
 Adjusted for race : 1
 Adjusted for location within study: 2
 Adjusted for SES (inc parental education): 2
 Adjusted for household composition: 1
 Adjusted for parental smoking current/since birth: 2

Derived 1 - Number of RRs : 11
 RRs available Parental exposure RRs: 11

STRACH Study description Study title : Strachan
 Full study title : Sheffield schools CC 1993
 Study sex : both
 Lowest age in study : 13
 Highest age in study (at baseline): 18
 Study race : all (in country)
 Continent : WEurope/Scandinavia
 Country in W Europe : UK
 Location within country: Sheffield
 Start year of study : 1993
 End year of study : 1993
 Principal publication year: 1995
 Reference ID of principal publication: STRACH1995A
 Overlap: none
 Principal/subsidiary study: Principal
 REF group : STRACH

Study design Study type : case/control
 Type of controls (for CC studies): healthy
 Type of population : all schoolchildren
 Other exclusions : changed address in last 3 years
 Type of population - controls (if diff from cases): no history asthma
 Respondent : Parent
 Child smokes : No mention
 Standard questionnaire: ISAAC
 Comments : A cross-sectional study of all schoolchildren 19 months earlier was used to identify cases, matched controls were drawn from those with no history of asthma or wheezing

Asthma Current asthma available: present
 Source of current asthma diagnosis: Parent report (other/uns/mix)
 Timing of current asthma: last n months (12<=n<24)
 Description of current asthma: severe asthma (= in last 12m, 12+ episodes of wheezing or wheezing that limited speech to only 1 or 2 words between breaths)
 Number of current asthma cases: 486
 Total number of subjects: 961
 Comments : Timing of asthma refers to initial screening phase of study. The term severe asthma was only used in the title, refers to wheezing in the main paper

Matching factors Cases and controls matched on age (CC): present
 Matched on location (within study area): present

Confounders considered Total number of adjustment factors used: 4
 Adjusted for sex : present
 Adjusted for age : 1
 Adjusted for cooking/heating methods: 1
 Adjusted for housing quality/age/size: 1
 Comments : It is unclear whether results are also adjusted by DAMP, ALGN(3) and PETS(2)

Other results (not current db) Wheezing/wheezing bronchitis available: present Results available for frequent attacks (12+) in last 12m; for attack that limited speech in last 12m

Derived 1 - Number of RRs : 15
 RRs available Parental exposure RRs: 15

TARIQ Study description Study title : Tariq
Full study title : Isle of Wight birth cohort 1989-90 PS to 1994
Study sex : both
Lowest age in study : 0
Highest age in study (at baseline): 0
Highest age in study at final followup: 4
Study race : all (in country)
Continent : WEurope/Scandinavia
Country in W Europe : UK
Location within country: Isle of Wight
Start year of study : 1989
End year of study : 1990
Final follow up year: 1994
Principal publication year: 2000
Reference ID of principal publication: TARIQ2000
Reference ID of additional publication(s): ARSHAD1992, ARSHAD1993, TARIQ1995, TARIQ1998
Overlap: none
Principal/subsidiary study: Principal
REF group : TARIQ

Study design Study type : prospective
Type of population : all children
Medical exclusions : perinatal deaths
Other exclusions : adoptions, moved away from Isle of Wight
Respondent : Parent
Child smokes : No mention
Standard questionnaire: Non std/NA/NK

Asthma Current asthma available: present
Repeat measures for current asthma: present
Source of current asthma diagnosis: Parent report (other/uns/mix)
Timing of current asthma: last n months (12<=n<24)
Description of current asthma: asthma (= 3+ episodes of cough&wheeze per year, each 3+ days)
Number of current asthma cases: 181
Total number of subjects: 1218
Comments : Numbers of subjects and numbers of cases are at age 4. It is unclear why earlier followup (ARSHAD1992, ARSHAD1993) are based on fewer subjects

Confounders considered Total number of adjustment factors used: 15
Adjusted for sex : present
Adjusted for family (parent/sibl) medical history: 5
Adjusted for SES (inc parental education): 1
Adjusted for pets in household: 1
Adjusted for child other medical history/symptoms: 5
Adjusted for maternal smoking in pregnancy: 1
Adjusted for parental smoking current/since birth: 1

Other results (not current db) Other definitions of asthma available: present Results available for medication for asthma; for nocturnal asthmatic symptoms; for atopic and nonatopic asthma (i.e. with or without +ve SPT) (TARIQ2000)
Wheezing/wheezing bronchitis available: present Results available for frequent (10+) cough & wheeze; wheezing on exertion (TARIQ2000). Infantile wheeze; persistent wheeze; new wheeze after infancy (TARIQ1998)

Derived 1 - RRs available Number of RRs : 17
Parental exposure RRs: 13
Household exposure RRs: 1
In utero x parent exposure combination RRs: 3

TAYLOR Study description Study title : Taylor
Full study title : British Births Survey PS 1970 cohort to 1986
Study sex : both
Lowest age in study : 0
Highest age in study (at baseline): 0
Highest age in study at final followup: 16
Study race : all (in country)
Continent : WEurope/Scandinavia
Country in W Europe : UK
Location within country: nationwide
Start year of study : 1970
End year of study : 1970
Final follow up year: 1986
Principal publication year: 1983
Reference ID of principal publication: TAYLOR1983
Reference ID of additional publication(s): NEUSPI1989,LEWIS1996
Overlap: none
Principal/subsidiary study: Principal
REF group : TAYLOR

Study design Study type : prospective
Type of population : all children
Respondent : Parent
Child smokes : No mention
Standard questionnaire: Non std/NA/NK
Comments : Subjects were all children born in a single week in the UK

Asthma Lifetime/incidence/unspec asthma available: present
Source of lifetime asthma diagnosis: Parent report (physician diag)
Timing of lifetime asthma: NA (incidence only)
Timing of incidence asthma: lifetime (recruit at birth)
Description of lifetime asthma: any episodes of wheezing on the chest, diagnosed as asthma (question did not prompt with asthma, this was only if mentioned as diagnosis by the parent)
Number of lifetime asthma cases: 252
Total number of subjects: 12608

Confounders considered Total number of adjustment factors used: 2
Adjusted for family (parent/sibl) medical history: 1
Adjusted for SES (inc parental education): 1

Other results (not current db) Wheezing/wheezing bronchitis available: present Results available for asthma or wheezy bronchitis (age 16, LEWIS1996); for wheezy bronchitis (age 10, NEUSPI1989)

Derived 1 - RRs available Number of RRs : 3
Parental exposure RRs: 3 [See Addendum p. 97 of Report I]

TIMONE Study description Study title : Timonen
Full study title : Kuopio schools pollution CS 1993
Study sex : both
Lowest age in study : 7
Highest age in study (at baseline): 12
Study race : all (in country)
Continent : WEurope/Scandinavia
Country in W Europe : Finland
Location within country: Kuopio (E Finland)
Start year of study : 1993
End year of study : 1993
Principal publication year: 1995
Reference ID of principal publication: TIMONE1995
Overlap: none
Principal/subsidiary study: Principal
REF group : TIMONE

Study design Study type : cross-sectional
Type of population : all schoolchildren
Respondent : Parent
Child smokes : No mention
Standard questionnaire: WHO
Comments : Initial screening phase of PEACE (Pollution Effects on Asthmatic Children in Europe) study

TIMONE
(continued)

Asthma	Lifetime/incidence/unspec asthma available: present Source of lifetime asthma diagnosis: Parent report (other/uns/mix) Timing of lifetime asthma: unspecified Timing of incidence asthma: NA (prevalence analysis only) Description of lifetime asthma: asthmatic symptoms (= physician diagnosed asthma, or wheezing/SOB with wheezing in last 12m) Number of lifetime asthma cases: 180 Total number of subjects: 2544
Derived 1 - RRs available	Number of RRs : 2 Household exposure RRs: 2
TOMINA Study description	Study title : Tominaga Full study title : Aichi clinic CS 1978-79 Study sex : both Lowest age in study : 3 Highest age in study (at baseline): 3 Study race : all (in country) Continent : Asia Country in Asia : Japan Location within country: Tokai, Chita and Tokoname (Aichi) Start year of study : 1978 End year of study : 1979 Principal publication year: 1985 Reference ID of principal publication: TOMINA1985 Overlap: none Principal/subsidiary study: Principal REF group : TOMINA
Study design	Study type : cross-sectional Type of population : all hosp/clinic patients Respondent : Parent Child smokes : No mention Standard questionnaire: Non std/NA/NK Comments : Subjects were all children attending routine health check and were 98% of all children
Asthma	Current asthma available: present Source of current asthma diagnosis: Medical records Timing of current asthma: current diagnosis Description of current asthma: bronchial asthma Number of current asthma cases: 86 Total number of subjects: 7885
Other results (not current db)	Wheezing/wheezing bronchitis available: present Results available for asthmatic bronchitis
Derived 1 - RRs available	Number of RRs : 2 Parental exposure RRs: 2
TSIMOY Study description	Study title : Tsimoyianis Full study title : Nassau county athletes CS 1985 Study sex : both Lowest age in study : 12 Highest age in study (at baseline): 17 Study race : all (in country) Continent : NAmerica Country in N America: USA US state : Vt, Me, NY, NH, Mass, RI, Conn Location within country: Nassau County (New York) Start year of study : 1985 End year of study : 1985 Principal publication year: 1987 Reference ID of principal publication: TSIMOY1987 Overlap: none Principal/subsidiary study: Principal REF group : TSIMOY

TSIMOY
(continued)

Study design Study type : cross-sectional
 Type of population : rndm in gvn school(s) athletes
 Other exclusions : restricted to athletes
 Respondent : Child
 Child smokes : Smokers excl questionnaire
 Standard questionnaire: Non std/NA/NK

Asthma Lifetime/incidence/unspec asthma available: present
 Source of lifetime asthma diagnosis: Child report (physician diag)
 Timing of lifetime asthma: unspecified
 Timing of incidence asthma: NA (prevalence analysis only)
 Description of lifetime asthma: asthma
 Number of lifetime asthma cases: 13
 Total number of subjects: 193

Other results Wheezing/wheezing bronchitis available: present Results available for wheeze
 (not current
 db)

Derived 1 - Number of RRs : 1
 RRs available Total exposure RRs : 1

ULRIK Study Study title : Ulrik
 description Full study title : Copenhagen district PS 1986-1992
 Study sex : both
 Lowest age in study : 7
 Highest age in study (at baseline): 17
 Highest age in study at final followup: 23
 Study race : all (in country)
 Continent : WEurope/Scandinavia
 Country in W Europe : Denmark
 Location within country: district of Copenhagen
 Start year of study : 1986
 End year of study : 1986
 Final follow up year: 1992
 Principal publication year: 1996
 Reference ID of principal publication: ULRIK1996
 Reference ID of additional publication(s): ULRIK1998
 Overlap: none
 Principal/subsidiary study: Principal
 REF group : ULRIK

Study design Study type : prospective
 Type of population : random children
 Respondent : Parent and child
 Child smokes : Smkrs inc, adj reje as not sig
 Standard questionnaire: ATS/NHLI/ESP

Asthma Lifetime/incidence/unspec asthma available: present
 Source of lifetime asthma diagnosis: Child report (other/uns/mix)
 Timing of lifetime asthma: NA (incidence only)
 Timing of incidence asthma: since baseline (earlier excl)
 Description of lifetime asthma: asthma (= at least one of a) breath ever wheezy or
 whistling, b) attacks of SOB with wheezing, c) wheezing, chest tightness, cough,
 breathlessness with any of: at rest, with exertion, with emotional stress, with
 exposure to cold air, with chest infections or head cold, d) wheezing after exposure
 to: dust, fumes, moulds, pollen, food, pets, drugs)
 Number of lifetime asthma cases: 41
 Total number of subjects: 386

Confounders Total number of adjustment factors used: 4
 considered Adjusted for child other medical history/symptoms: 4
 Other confounders considered but rejected: present
 Comments : Adjustment for SEX, AGE, CMED(6), FMED, active smoking rejected
 from MLR by backward elimination due to lack of significnace

Other results Other results for child smokers available: present Child (active) smoking rejected
 (not current from MLR due to lack of significance
 db)

Derived 1 - Number of RRs : 1
 RRs available Parental exposure RRs: 1

VARELA Study description Study title : Varela Delgado
Full study title : Mexico City schools SPT CS 1999-2000
Study sex : both
Lowest age in study : 6
Highest age in study (at baseline): 15
Study race : all (in country)
Continent : SCAmerica
Country in S/C America: Mexico
Location within country: Mexico City
Start year of study : 1999
End year of study : 2000
Principal publication year: 2001
Reference ID of principal publication: VARELA2001
Overlap: none
Principal/subsidiary study: Principal
REF group : VARELA

Study design Study type : cross-sectional
Type of population : random schoolchildren
Respondent : Parent and child
Child smokes : No mention
Standard questionnaire: Non std/NA/NK

Asthma Lifetime/incidence/unspec asthma available: present
Source of lifetime asthma diagnosis: Parent or child rep (oth/unsp)
Timing of lifetime asthma: unspecified
Timing of incidence asthma: NA (prevalence analysis only)
Description of lifetime asthma: asthmatic
Number of lifetime asthma cases: 34
Total number of subjects: 57

Other results (not current db) Other exposures available: present Results available according to whether mother was main active smoker

Derived 1 - RRs available Number of RRs : 1
Household exposure RRs: 1

VAVILI Study description Study title : Vavilin
Full study title : Genotyping CC (Novosibirsk ca 1999?)
Study sex : both
Lowest age in study : 6
Highest age in study (at baseline): 15
Study race : whites (inc hispanic)
Continent : EEurope/Balkans
Country in E Europe/Balkans: Russia
Location within country: Novosibirsk?
Start year of study : not assessable
End year of study : not assessable
Principal publication year: 2000
Reference ID of principal publication: VAVILI2000
Reference ID of additional publication(s): VAVILI2002
Overlap: none
Principal/subsidiary study: Principal
REF group : VAVILI

Study design Study type : case/control
Type of controls (for CC studies): healthy
Type of population : unspecified
Type of population - controls (if diff from cases): no signs of sensitisation
Respondent : Parent and child
Child smokes : No mention anal (but in quest)
Standard questionnaire: Non std/NA/NK
Comments : Controls were aged 4-14

Asthma Lifetime/incidence/unspec asthma available: present
Source of lifetime asthma diagnosis: Unspecified
Timing of lifetime asthma: unspecified
Timing of incidence asthma: NA (prevalence analysis only)
Description of lifetime asthma: bronchial asthma
Number of lifetime asthma cases: 100
Total number of subjects: 204

Other results (not current db) Results by other stratifying factors available: present Results available by genotype strata (but no CIs)

VAVILI
(continued)

Derived 1 - Number of RRs : 1
RRs available Household exposure RRs: 1

VENNER Study description Study title : Venners
Full study title : Anqing CS of asthma index families 1995-98
Study sex : both
Lowest age in study : 8
Highest age in study (at baseline): 15
Study race : all (in country)
Continent : Asia
Country in Asia : China
Location within country: Rural Anqing (Anhui Province)
Start year of study : 1995
End year of study : 1998
Principal publication year: 2001
Reference ID of principal publication: VENNER2001
Reference ID of additional publication(s): XU1999A
Overlap: none
Principal/subsidiary study: Principal
REF group : VENNER

Study design Study type : cross-sectional
Type of population : all chld all asthmatic famlies
Medical exclusions : both parents have asthma
Other exclusions : single parent family, no siblings, sibling (age<20) ever smoked,
coal heating/cooking
Respondent : Unspec (parent/child)
Child smokes : Smokers excl questionnaire
Standard questionnaire: ATS/NHLI/ESP
Comments : Eligible families were all those with at least one asthma
patient (age 8+) and at least one sibling

Asthma Lifetime/incidence/unspec asthma available: present
Source of lifetime asthma diagnosis: Medical records
Timing of lifetime asthma: unspecified
Timing of incidence asthma: NA (prevalence analysis only)
Description of lifetime asthma: asthma diag on basis of history of repeated onset of
wheeze with dyspnea, but without symptoms between events and symptoms improved by
bronchodilator
Number of lifetime asthma cases: 529
Total number of subjects: 1718

Derived 1 - Number of RRs : 6
RRs available Parental exposure RRs: 6

VERHOE Study description Study title : Verhoeff
Full study title : School respiratory CC (Amsterdam ca 1990?)
Study sex : both
Lowest age in study : 7
Highest age in study (at baseline): 11
Study race : all (in country)
Continent : WEurope/Scandinavia
Country in W Europe : Netherlands
Location within country: not stated (Amsterdam?)
Start year of study : not assessable
End year of study : not assessable
Principal publication year: 1992
Reference ID of principal publication: VERHOE1992
Overlap: none
Principal/subsidiary study: Principal
REF group : VERHOE

Study design Study type : case/control
Type of controls (for CC studies): healthy
Type of population : school NOS
Type of population - controls (if diff from cases): no chest/resp symptoms
Respondent : Parent
Child smokes : No mention
Standard questionnaire: Non std/NA/NK

VERHOE
(continued)

Asthma	Lifetime/incidence/unspec asthma available: present Source of lifetime asthma diagnosis: Unspecified Timing of lifetime asthma: unspecified Timing of incidence asthma: NA (prevalence analysis only) Description of lifetime asthma: asthma (subset of chronic respiratory symptoms) Number of lifetime asthma cases: 117 Total number of subjects: 374
Derived 1 - RRs available	Number of RRs : 4 Parental exposure RRs: 4
VOLKME Study description	Study title : Volkmer Full study title : South Australia preschool CS 1993 Study sex : both Lowest age in study : 4 Highest age in study (at baseline): 5 Study race : all (in country) Continent : Australasia Country in Australasia: Australia Location within country: South Australia statewide Start year of study : 1993 End year of study : 1993 Principal publication year: 1995 Reference ID of principal publication: VOLKME1995 Reference ID of additional publication(s): VOLKME1995A Overlap: none Principal/subsidiary study: Principal REF group : VOLKME
Study design	Study type : cross-sectional Type of population : all preschool routine hlth chk Other exclusions : heating by kerosene, multiple types or none Respondent : Parent Child smokes : No mention Standard questionnaire: IUATLD Comments : Covered all children attending routine pre-school health check, which includes approximately 80% of all children
Asthma	Lifetime/incidence/unspec asthma available: present Source of lifetime asthma diagnosis: Parent report (other/uns/mix) Timing of lifetime asthma: Lifetime Timing of incidence asthma: NA (prevalence analysis only) Description of lifetime asthma: asthma Number of lifetime asthma cases: 3178 Total number of subjects: 14124 Comments : Number of cases based on %, may be subject to rounding error
Confounders considered	Total number of adjustment factors used: 7 Adjusted for SES (inc parental education): 1 Adjusted for air conditioning/humidifier: 2 Adjusted for cooking/heating methods: 4
Other results (not current db)	Wheezing/wheezing bronchitis available: present Results available for ever wheeze; and for wheeze in last 12m Results by other stratifying factors available: present Results available restricted to greater Adelaide (urban)
Derived 1 - RRs available	Number of RRs : 2 Parental exposure RRs: 2

VONMAF Study description

Study title : von Maffei
 Full study title : Virginia & Connecticut family hosp CS 1993-1996
 Study sex : both
 Lowest age in study : 0
 Highest age in study (at baseline): 17
 Study race : blacks
 Continent : NAmerica
 Country in N America: USA
 US state : multi (not all)
 Location within country: 12 hospitals in Virginia and Connecticut
 Start year of study : 1993
 End year of study : 1996
 Principal publication year: 2001
 Reference ID of principal publication: VONMAF2001
 Overlap: none
 Principal/subsidiary study: Principal
 REF group : VONMAF
 Comments : Part of same overall study as BECKET, but no overlap as results for blacks have not been entered for BECKET

Study design

Study type : cross-sectional
 Type of population : all fam newborn deliv gvn hosp
 Medical exclusions : birth complications/neonatal deaths, low birthwt
 Other exclusions : non-English speakers, newborns given for adoption
 Respondent : Parent
 Child smokes : No mention
 Standard questionnaire: Non std/NA/NK
 Comments : Unit of study is the family. Eligible families were those where the mother gave birth at participating hospital, but excluding non-English speakers and those with serious medical complications, and had at least one other child. Other children (i.e. excluding the newborn) were assessed for asthma.

Asthma

Lifetime/incidence/unspec asthma available: present
 Source of lifetime asthma diagnosis: Parent report (physician diag)
 Timing of lifetime asthma: unspecified
 Timing of incidence asthma: NA (prevalence analysis only)
 Description of lifetime asthma: at least one child in family with phys-diag asthma
 Number of lifetime asthma cases: 383
 Total number of subjects: 2409

Confounders considered

Total number of adjustment factors used: 8
 Adjusted for location within study: 3
 Adjusted for family (parent/sibl) medical history: 2
 Adjusted for household composition: 1
 Adjusted for air conditioning/humidifier: 1
 Adjusted for cooking/heating methods: 1
 Other confounders considered but rejected: present
 Comments : Adjustment for other (unspecified) variables was rejected in stepwise MLR

Derived 1 - RRs available

Number of RRs : 3
 Parental exposure RRs: 1
 Household exposure RRs: 2

WANG Study description

Study title : Wang
 Full study title : 2 areas schools air pollution CS 1995-96
 Study sex : both
 Lowest age in study : 11
 Highest age in study (at baseline): 16
 Study race : all (in country)
 Continent : Asia
 Country in Asia : Taiwan
 Location within country: Kaoshiung & Pintong
 Start year of study : 1995
 End year of study : 1996
 Principal publication year: 1999
 Reference ID of principal publication: WANG1999B
 Overlap: none
 Principal/subsidiary study: Principal
 REF group : WANG

Study design

Study type : cross-sectional
 Type of population : all schoolchildren
 Medical exclusions : past (but not current) asthmatic symptoms
 Respondent : Parent
 Child smokes : Smokers incl and adjusted for
 Standard questionnaire: ISAAC

WANG
(continued)

Asthma	Current asthma available: present Source of current asthma diagnosis: Child report (other/uns/mix) Timing of current asthma: last n months (12<=n<24) Description of current asthma: asthma (= any one of 5 symptoms in last year: moderate wheeze at rest; wheeze and SOB after exercise; nocturnal waking with wheeze; nocturnal waking with cough; severe wheeze and SOB at rest) Number of current asthma cases: 20637 Total number of subjects: 155284 Comments : Number of subjects based on Table 3, exceeds number stated in text (by 1)
Confounders considered	Total number of adjustment factors used: 8 Adjusted for sex : present Adjusted for age : 1 Adjusted for location within study: 1 Adjusted for SES (inc parental education): 1 Adjusted for cooking/heating methods: 1 Adjusted for exercise: 1 Adjusted for diet/alcohol: 1 Adjusted for child active smoking: 1
Derived 1 - RRs available	Number of RRs : 2 Household exposure RRs: 2
WEITZ1 Study description	Study title : Weitzman NHIS 1 Full study title : Natl Health Interview Survey Suppl 1981 Age 0-5 Study sex : both Lowest age in study : 0 Highest age in study (at baseline): 5 Study race : all (in country) Continent : NAmerica Country in N America: USA US state : all Location within country: nationwide Start year of study : 1981 End year of study : 1981 Principal publication year: 1990 Reference ID of principal publication: WEITZM1990 Reference ID of additional publication(s): WEITZM1990A Overlap: none Principal/subsidiary study: Principal REF group : WEITZ1
Study design	Study type : cross-sectional Type of population : random children Respondent : Parent Child smokes : No mention Standard questionnaire: Non std/NA/NK
Asthma	Lifetime/incidence/unspec asthma available: present Source of lifetime asthma diagnosis: Parent report (other/uns/mix) Timing of lifetime asthma: Lifetime Timing of incidence asthma: NA (prevalence analysis only) Description of lifetime asthma: asthma Current asthma available: present Source of current asthma diagnosis: Parent report (other/uns/mix) Timing of current asthma: current NOS Description of current asthma: ever had asthma lasting 3m+, not been cured Number of lifetime asthma cases: not assessable Number of current asthma cases: 117 Total number of subjects: 4331
Confounders considered	Total number of adjustment factors used: 8 Adjusted for sex : present Adjusted for race : 1 Adjusted for SES (inc parental education): 2 Adjusted for household composition: 2 Adjusted for housing quality/age/size: 1 Adjusted for child other medical history/symptoms: 1 Other confounders considered but rejected: present Comments : Adjustment for CMED(breastfeeding), LOC(2=urban/rural, region) rejected from MLR due to lack of significance

WEITZ1
(continued)

Other results (not current db) Other definitions of asthma available: present Results available for physician-prescribed medication in last 2 weeks

Derived 1 - RRs available Number of RRs : 12
Parental exposure RRs: 12

WEITZ2 Study description Study title : Weitzman NHIS 2
Full study title : Natl Health Interview Survey Suppl 1981 Age 6-17
Study sex : both
Lowest age in study : 6
Highest age in study (at baseline): 17
Study race : all (in country)
Continent : NAmerica
Country in N America: USA
US state : all
Location within country: nationwide
Start year of study : 1981
End year of study : 1981
Principal publication year: 1990
Reference ID of principal publication: WEITZM1990A
Reference ID of additional publication(s): WEITZM1990
Overlap: none
Principal/subsidiary study: Principal
REF group : WEITZ2

Study design Study type : cross-sectional
Type of population : random children
Respondent : Parent
Child smokes : No mention
Standard questionnaire: Non std/NA/NK

Asthma Current asthma available: present
Source of current asthma diagnosis: Parent report (other/uns/mix)
Timing of current asthma: current NOS
Description of current asthma: asthma onset > age 5 lasting 3m+, not been cured
Number of current asthma cases: not assessable
Total number of subjects: 10386

Confounders considered Other confounders considered but rejected: present
Comments : None of the social or environmental variables were statistically significant so rejected from MLR (assumed to include SEX, RACE, HOCO(both parents, family size), HOUS, CMED(low birthweight), SES(extreme poverty)

Derived 1 - RRs available Number of RRs : 1
Parental exposure RRs: 1

WILLE1 Study description Study title : Willers 1
Full study title : Malmo hospital/school CC study 1987-88
Study sex : both
Lowest age in study : 3
Highest age in study (at baseline): 15
Study race : all (in country)
Continent : WEurope/Scandinavia
Country in W Europe : Sweden
Location within country: Malmo
Start year of study : 1988
End year of study : 1988
Principal publication year: 1991
Reference ID of principal publication: WILLER1991
Overlap: none
Principal/subsidiary study: Principal
REF group : WILLE1

Study design Study type : case/control
Type of controls (for CC studies): healthy
Type of population : all in given hosp/clinic(s)
Type of population - controls (if diff from cases): all at given school(s)
Respondent : Parent
Child smokes : No mention
Standard questionnaire: Non std/NA/NK
Comments : Years and ages given refer to cases, controls: 1987, age 7-10

WILLE1
(continued)

Asthma Current asthma available: present
 Current asthma is first occurrence: present
 Source of current asthma diagnosis: Medical records
 Timing of current asthma: current diagnosis
 Description of current asthma: asthma based on clinical history (recurrent episode of cough & wheeze) and examination
 Number of current asthma cases: 49
 Total number of subjects: 126

Confounders considered Total number of adjustment factors used: 2
 Adjusted for parental smoking current/since birth: 2

Derived 1 - RRs available Number of RRs : 15
 Parental exposure RRs: 13
 Biochemical exposure RRs: 2

WILLE2 Study description Study title : Willers 2
 Full study title : Malmo population cotinine CC 1993
 Study sex : both
 Lowest age in study : 8
 Highest age in study (at baseline): 13
 Study race : all (in country)
 Continent : WEurope/Scandinavia
 Country in W Europe : Sweden
 Location within country: Malmo
 Start year of study : 1993
 End year of study : 1993
 Principal publication year: 2000
 Reference ID of principal publication: WILLE2000
 Reference ID of additional publication(s): FORSB31997
 Overlap: FORSB3/WILLE2
 Principal/subsidiary study: Subsidiary
 REF group : FORSB3
 Comments : Subset of FORSB3 (including all asthmatic children from Malmo as cases, and a small number of symptom-free children as controls)

Study design Study type : case/control
 Type of controls (for CC studies): healthy
 Type of population : all children
 Medical exclusions : acute illness
 Respondent : Parent
 Child smokes : No mention
 Standard questionnaire: Non std/NA/NK
 Comments : A cross-sectional population study (FORSB3) was used to identify cases, and matched controls were selected from the symptom-free children

Asthma Current asthma available: present
 Source of current asthma diagnosis: Medical records
 Timing of current asthma: current diagnosis
 Description of current asthma: initially identified (parent quest) as SOB with wheezing (asthma attacks), dry cough at night without colds, or asthma treatment by physician, in last 12 months; verified by physician examination
 Number of current asthma cases: 85
 Total number of subjects: 111

Matching factors Cases and controls matched on sex: present
 Cases and controls matched on age (CC): present
 Matched on location (within study area): present

Other results (not current db) Other exposures available: present Graphs showing case/control status by parental smoking (maternal or household) X cotinine (salivary or urinary) are available but are not distinct enough to extract data reliably

Derived 1 - RRs available Number of RRs : 2
 Household exposure RRs: 2

WITHER Study description Study title : Withers
 Full study title : Southampton GP birth cohort 78-80 followup CS 1995
 Study sex : both
 Lowest age in study : 14
 Highest age in study (at baseline): 16
 Study race : all (in country)
 Continent : WEurope/Scandinavia
 Country in W Europe : UK
 Location within country: Southampton area
 Start year of study : 1995
 End year of study : 1995
 Principal publication year: 1998
 Reference ID of principal publication: WITHER1998
 Overlap: none
 Principal/subsidiary study: Principal
 REF group : WITHER

Study design Study type : cross-sectional
 Type of population : all at given primary care(s)
 Respondent : Parent and child
 Child smokes : Smkrs inc as not signif univar
 Standard questionnaire: Non std/NA/NK
 Comments : Subjects had been registered at 86 GPs at the time of an earlier study (1987), and were traced for this followup. Treated as a cross-sectional study here as analysis relates only to the later questionnaire

Asthma Lifetime/incidence/unspec asthma available: present
 Source of lifetime asthma diagnosis: Parent report (physician diag)
 Timing of lifetime asthma: Lifetime
 Timing of incidence asthma: NA (prevalence analysis only)
 Description of lifetime asthma: asthma
 Number of lifetime asthma cases: 504
 Total number of subjects: 2289

Confounders considered Total number of adjustment factors used: 6
 Adjusted for family (parent/sibl) medical history: 3
 Adjusted for child other medical history/symptoms: 2
 Adjusted for parental smoking current/since birth: 1
 Other confounders considered but rejected: present
 Comments : Variables considered but not used (as not significant in univariate analyses) were COSEX, COHOCO(2), COSES, COCMED (birth weight), COCOHE, COCHSM, COHSM. Variables initially significant but rejected from final model were FMED(5), COPETS, COPSMC (paternal smoking)

Other results (not current db) Wheezing/wheezing bronchitis available: present Results available for current wheeze; persistent wheeze; late-onset wheeze
 Other results for child smokers available: present Child (active) smoking is stated to be non-significant

Derived 1 - RRs available Number of RRs : 7
 Parental exposure RRs: 6
 Household exposure RRs: 1

WOLFO1 Study description Study title : Wolf-Ostermann1
 Full study title : SW Germany urban/rural phase 1 CS 1977
 Study sex : both
 Lowest age in study : 8
 Highest age in study (at baseline): 8
 Study race : all (in country)
 Continent : WEurope/Scandinavia
 Country in W Europe : Germany
 Location within country: Mannheim, Freiburg, Breisgau, Hochschwarzwald
 Start year of study : 1977
 End year of study : 1977
 Principal publication year: 1995
 Reference ID of principal publication: WOLFOS1995
 Reference ID of additional publication(s): LUTTMA1993
 Overlap: WOLFO1/WOLFO2/WOLFO3
 Principal/subsidiary study: Principal
 REF group : WOLFO1
 Comments : Children from the same cohort were studied in 1977 (WOLFO1), 1979 (WOLFO2) and 1985 (WOLFO3), but they have been entered as separate studies because relatively few of the children were included more than once (17% included in all three, and a further 24% included twice)

WOLFO1
(continued)

Study design	Study type : cross-sectional Type of population : random schoolchildren Respondent : Parent Child smokes : Discussed, but no data avail Standard questionnaire: WHO
Asthma	Lifetime/incidence/unspec asthma available: present Source of lifetime asthma diagnosis: Parent report (physician diag) Timing of lifetime asthma: Lifetime Timing of incidence asthma: NA (prevalence analysis only) Description of lifetime asthma: asthma Current asthma available: present Source of current asthma diagnosis: Parent report (other/uns/mix) Timing of current asthma: last n months (12<=n<24) Description of current asthma: asthma in last year Number of lifetime asthma cases: 63 Number of current asthma cases: 41 Total number of subjects: 4052 Comments : Number of cases based on %, may be subject to rounding error
Confounders considered	Total number of adjustment factors used: 7 Adjusted for sex : present Adjusted for age : 1 Adjusted for family (parent/sibl) medical history: 1 Adjusted for SES (inc parental education): 1 Adjusted for household composition: 1 Adjusted for cooking/heating methods: 1 Adjusted for obesity/BMI: 1
Other results (not current db)	Other definitions of asthma available: present Results available for asthma score (sum of SOB with wheeze, phys-diag asthma and asthma in last year) Wheezing/wheezing bronchitis available: present Results available for SOB with wheeze Results by other stratifying factors available: present Results available stratified by region (urban/rural)
Derived 1 - RRs available	Number of RRs : 5 Household exposure RRs: 5

WOLFO2 Study description	Study title : Wolf-Ostermann2 Full study title : SW Germany urban/rural phase 2 CS 1979 Study sex : both Lowest age in study : 10 Highest age in study (at baseline): 10 Study race : all (in country) Continent : WEurope/Scandinavia Country in W Europe : Germany Location within country: Mannheim, Freiburg, Breisgau, Hochschwarzwald Start year of study : 1979 End year of study : 1979 Principal publication year: 1995 Reference ID of principal publication: WOLFOS1995 Reference ID of additional publication(s): LUTTMA1993 Overlap: WOLFO1/WOLFO2/WOLFO3 Principal/subsidiary study: Principal REF group : WOLFO2 Comments : Children from the same cohort were studied in 1977 (WOLFO1), 1979 (WOLFO2) and 1985 (WOLFO3), but they have been entered as separate studies because relatively few of the children were included more than once (17% included in all three, and a further 24% included twice)
Study design	Study type : cross-sectional Type of population : random schoolchildren Respondent : Parent Child smokes : Discussed, but no data avail Standard questionnaire: WHO

WOLFO2
(continued)

Asthma Lifetime/incidence/unspec asthma available: present
Source of lifetime asthma diagnosis: Parent report (physician diag)
Timing of lifetime asthma: Lifetime
Timing of incidence asthma: NA (prevalence analysis only)
Description of lifetime asthma: asthma
Current asthma available: present
Source of current asthma diagnosis: Parent report (other/uns/mix)
Timing of current asthma: last n months (12<=n<24)
Description of current asthma: asthma in last year
Number of lifetime asthma cases: 66
Number of current asthma cases: 35
Total number of subjects: 3667
Comments : Number of cases based on %, may be subject to rounding error

Confounders considered Total number of adjustment factors used: 7
Adjusted for sex : present
Adjusted for age : 1
Adjusted for family (parent/sibl) medical history: 1
Adjusted for SES (inc parental education): 1
Adjusted for household composition: 1
Adjusted for cooking/heating methods: 1
Adjusted for obesity/BMI: 1

Other results (not current db) Other definitions of asthma available: present Results available for asthma score (sum of SOB with wheeze, phys-diag asthma and asthma in last year)
Wheezing/wheezing bronchitis available: present Results available for SOB with wheeze
Results by other stratifying factors available: present Results available stratified by region (urban/rural)

Derived 1 - RRs available Number of RRs : 8
Household exposure RRs: 8

WOLFO3 Study description Study title : Wolf-Ostermann3
Full study title : SW Germany urban/rural phase 3 CS 1985
Study sex : both
Lowest age in study : 16
Highest age in study (at baseline): 16
Study race : all (in country)
Continent : WEurope/Scandinavia
Country in W Europe : Germany
Location within country: Mannheim, Freiburg, Breisgau, Hochschwarzwald
Start year of study : 1985
End year of study : 1985
Principal publication year: 1995
Reference ID of principal publication: WOLFOS1995
Reference ID of additional publication(s): LUTTMA1993
Overlap: WOLF01/WOLFO2/WOLFO3
Principal/subsidiary study: Principal
REF group : WOLFO3
Comments : Children from the same cohort were studied in 1977 (WOLFO1), 1979 (WOLFO2) and 1985 (WOLFO3), but they have been entered as separate studies because relatively few of the children were included more than once (17% included in all three, and a further 24% included twice)

Study design Study type : cross-sectional
Type of population : random schoolchildren
Respondent : Parent and child
Child smokes : Smokers excl questionnaire
Standard questionnaire: WHO

Asthma Lifetime/incidence/unspec asthma available: present
Source of lifetime asthma diagnosis: Parent or child rep (phys dg)
Timing of lifetime asthma: Lifetime
Timing of incidence asthma: NA (prevalence analysis only)
Description of lifetime asthma: asthma
Current asthma available: present
Source of current asthma diagnosis: Parent or child rep (oth/unsp)
Timing of current asthma: last n months (12<=n<24)
Description of current asthma: asthma in last year
Number of lifetime asthma cases: 173
Number of current asthma cases: 73
Total number of subjects: 5833
Comments : Number of cases based on %, may be subject to rounding error

WOLFO3
(continued)

Confounders considered	Total number of adjustment factors used: 10 Adjusted for sex : present Adjusted for age : 1 Adjusted for type of respondent: 1 Adjusted for family (parent/sibl) medical history: 1 Adjusted for SES (inc parental education): 1 Adjusted for household composition: 1 Adjusted for cooking/heating methods: 2 Adjusted for housing quality/age/size: 1 Adjusted for obesity/BMI: 1
Other results (not current db)	Other definitions of asthma available: present Results available for asthma score (sum of SOB with wheeze, phys-diag asthma and asthma in last year) Wheezing/wheezing bronchitis available: present Results available for SOB with wheeze Results by other stratifying factors available: present Results available stratified by region (urban/rural)
Derived 1 - RRs available	Number of RRs : 2 Household exposure RRs: 2
XU	
Study description	Study title : Xu Full study title : Northern Finland birth cohort 1985-86 PS to 1993 Study sex : both Lowest age in study : 0 Highest age in study (at baseline): 0 Highest age in study at final followup: 7 Study race : all (in country) Continent : WEurope/Scandinavia Country in W Europe : Finland Location within country: northern Finland Start year of study : 1985 End year of study : 1986 Final follow up year: 1993 Principal publication year: 1999 Reference ID of principal publication: XU1999 Overlap: none Principal/subsidiary study: Principal REF group : XU
Study design	Study type : prospective Type of population : all children Medical exclusions : died before age 7 Respondent : Parent Child smokes : No mention Standard questionnaire: Non std/NA/NK
Asthma	Lifetime/incidence/unspec asthma available: present Source of lifetime asthma diagnosis: Med rec or par rep (phys diag) Timing of lifetime asthma: NA (incidence only) Timing of incidence asthma: lifetime (recruit at birth) Description of lifetime asthma: parent report of 'child has long-term illness' specifying asthma (probably phys diag), or National Hospital Discharge Record linkage indicates ever hospitalized due to asthma Number of lifetime asthma cases: 283 Total number of subjects: 8088
Derived 1 - RRs available	Number of RRs : 2 Parental exposure RRs: 2

YANG Study description Study title : Yang
 Full study title : Rural Kaohsiung schools CS 1994
 Study sex : both
 Lowest age in study : 6
 Highest age in study (at baseline): 12
 Study race : all (in country)
 Continent : Asia
 Country in Asia : Taiwan
 Location within country: Rural Kaohsiung
 Start year of study : 1994
 End year of study : 1994
 Principal publication year: 1997
 Reference ID of principal publication: YANG1997A
 Reference ID of additional publication(s): YANG1998A
 Overlap: none
 Principal/subsidiary study: Principal
 REF group : YANG
 Comments : Only results from YANG1997A have been entered. YANG1998A presents results for the same cases, but using a sex & age matched group of controls rather than a cross-sectional analysis

Study design Study type : cross-sectional
 Type of population : random schoolchildren
 Respondent : Parent
 Child smokes : No mention
 Standard questionnaire: ATS/NHLI/ESP

Asthma Current asthma available: present
 Source of current asthma diagnosis: Parent report (physician diag)
 Timing of current asthma: current NOS
 Description of current asthma: asthma currently present and confirmed by doctor
 Number of current asthma cases: 165
 Total number of subjects: 4164

Confounders considered Total number of adjustment factors used: 10
 Adjusted for air conditioning/humidifier: 3
 Adjusted for cooking/heating methods: 3
 Adjusted for damp/mould in home: 1
 Adjusted for pets in household: 1
 Adjusted for exposure to food/housedust allergens: 2

Other results (not current db) Wheezing/wheezing bronchitis available: present Results available for wheezing apart from colds or on most days/nights or after exercise

Derived 1 - RRs available Number of RRs : 2
 Household exposure RRs: 2

ZEIGER Study description Study title : Zeiger
 Full study title : San Diego high risk birth cohort 1981-84 to 1991
 Study sex : both
 Lowest age in study : 0
 Highest age in study (at baseline): 0
 Highest age in study at final followup: 7
 Study race : all (in country)
 Continent : NAmerica
 Country in N America: USA
 US state : Cal,Wash,Oreg
 Location within country: San Diego
 Start year of study : 1981
 End year of study : 1984
 Final follow up year: 1991
 Principal publication year: 1995
 Reference ID of principal publication: ZEIGER1995
 Reference ID of additional publication(s): ZEIGER1989
 Overlap: none
 Principal/subsidiary study: Principal
 REF group : ZEIGER

Study design Study type : prospective
 Type of population : all gvn prim cr high algy risk
 Respondent : Parent
 Child smokes : No mention
 Standard questionnaire: Non std/NA/NK
 Comments : Subjects were randomized to prophylactic (food allergen avoidance) or control groups, but the groups were combined for the analyses included here

ZEIGER
(continued)

Asthma	Lifetime/incidence/unspec asthma available: present Source of lifetime asthma diagnosis: Medical records Timing of lifetime asthma: NA (incidence only) Timing of incidence asthma: lifetime (recruit at birth) Description of lifetime asthma: asthma (= 2+ episodes lower respiratory disorder with reversible bronchospasm unassociated with other anatomic congenital or immunologic causes) Number of lifetime asthma cases: 50 Total number of subjects: 165
Confounders considered	Total number of adjustment factors used: 4 Adjusted for sex : present Adjusted for family (parent/sibl) medical history: 1 Adjusted for child other medical history/symptoms: 2 Other confounders considered but rejected: present Comments : Adjustment factors not included in final model due to lack of significance (p>0.09) were RACE(2), FMED(3), ALGN, CMED(9) and maternal, paternal and household ETS
Derived 1 - RRs available	Number of RRs : 4 Parental exposure RRs: 2 Household exposure RRs: 2
ZEJDA Study description	Study title : Zejda Full study title : Upper Silesia primary schl air poll CS (ca 1994?) Study sex : both Lowest age in study : 7 Highest age in study (at baseline): 9 Study race : all (in country) Continent : EEurope/Balkans Country in E Europe/Balkans: Poland Location within country: Chorzow and Mikolow (Upper Silesia) Start year of study : not assessable End year of study : not assessable Principal publication year: 1996 Reference ID of principal publication: ZEJDA1996 Overlap: none Principal/subsidiary study: Principal REF group : ZEJDA
Study design	Study type : cross-sectional Type of population : random schoolchildren Respondent : Parent Child smokes : No mention Standard questionnaire: WHO
Asthma	Lifetime/incidence/unspec asthma available: present Source of lifetime asthma diagnosis: Parent report (physician diag) Timing of lifetime asthma: Lifetime Timing of incidence asthma: NA (prevalence analysis only) Description of lifetime asthma: asthma Number of lifetime asthma cases: 45 Total number of subjects: 1622 Comments : Number of cases based on %, may be subject to rounding error
Confounders considered	Total number of adjustment factors used: 3 Adjusted for sex : present Adjusted for location within study: 1 Adjusted for family (parent/sibl) medical history: 1 Other confounders considered but rejected: present Comments : Confounders COHE, HOUS(2) rejected from multiple logistic regression by backwards elimination
Other results (not current db)	Wheezing/wheezing bronchitis available: present Results available for ever had wheezing; for ever had dyspnea with wheezing
Derived 1 - RRs available	Number of RRs : 1 Parental exposure RRs: 1

ZHENG Study description Study title : Zheng
Full study title : Shunyi Beijing schools CC 1999-2001
Study sex : both
Lowest age in study : 6
Highest age in study (at baseline): 10
Study race : all (in country)
Continent : Asia
Country in Asia : China
Location within country: Shunyi County (Beijing)
Start year of study : 1999
End year of study : 2001
Principal publication year: 2002
Reference ID of principal publication: ZHENG2002A
Overlap: none
Principal/subsidiary study: Principal
REF group : ZHENG

Study design Study type : case/control
Type of controls (for CC studies): healthy
Type of population : random schoolchildren
Type of population - controls (if diff from cases): rndm at gvn schls no resp symp
Respondent : Parent
Child smokes : No mention
Standard questionnaire: ISAAC
Comments : A cross-sectional survey was conducted to identify cases. All cases were included, and two matched controls (without asthma, wheezing, dry cough or chest tightness) were randomly selected

Asthma Current asthma available: present
Source of current asthma diagnosis: Parent report (other/uns/mix)
Timing of current asthma: current NOS
Description of current asthma: ever phys-diag asthma and parents consider child has asthma
Number of current asthma cases: 403
Total number of subjects: 1209

Matching factors Cases and controls matched on sex: present
Cases and controls matched on age (CC): present

Confounders considered Total number of adjustment factors used: 6
Adjusted for sex : present
Adjusted for age : 1
Adjusted for race : 1
Adjusted for family (parent/sibl) medical history: 1
Adjusted for child other medical history/symptoms: 2
Other confounders considered but rejected: present
Comments : Adjustment for other factors was found not to have a material impact on the observed association and not included in the final MLR model: COHE, AIRC, DAMP, PETS, CMED (birth weight)

Derived 1 - RRs available Number of RRs : 26
Parental exposure RRs: 2
Parental passive smoking exposure RRs: 12
Household exposure RRs: 12