

APPENDIX 11

Study data for the 17 studies of adults

Note that this report is based only on fields which provide positive information. Thus, for example, the card 'matching factors' is shown only for case-control studies, and only those factors actually used are shown. Other factors for this card, for which no output is shown, are taken not to be used.

Full details of the references corresponding to the reference IDs are given at the end of this Appendix (p. App11-14.)

App11-2

BECKE2	Study description	<p>Study title : Beckett</p> <p>Full study title : CARDIA 4 city PS 1985 - 1996 (CARDIA = Coronary Artery Risk Development in Young Adults)</p> <p>Study sex : both</p> <p>Lowest age in study : 18</p> <p>Highest age in study (at baseline): 30</p> <p>Highest age in study at final followup: 40</p> <p>Study race : whites and blacks</p> <p>Continent : NAmerica</p> <p>US state : multi (not all)</p> <p>Location within country: Birmingham, Chicago, Minneapolis, Oakland</p> <p>Start year of study : 1985</p> <p>End year of study : 1986</p> <p>Final follow up year: 1996</p> <p>Principal publication year: 2001</p> <p>Reference ID of principal publication: BECKETT2001</p> <p>Reference ID of additional publication(s): FRIEDM1988A</p> <p>Overlap: No overlap</p> <p>Principal/subsidiary study: principal</p> <p>REF group : BECKE2</p>
	Study design	<p>Study type : prospective</p> <p>Type of population : randomly selected</p> <p>Medical exclusions : long-term illness or disability (including blind, deaf, mute, mentally retarded, unable to walk), emotionally unstable, pregnant or <3 months post partum</p> <p>Respondent : subject</p> <p>Never/non smoker definition: Serum cotinine <14 ng/ml</p> <p>Questionnaire : Non std/NA/NK</p>
	Asthma	<p>Lifetime/incidence/unspec asthma available: present</p> <p>Source of lifetime asthma diagnosis: Self report (doctor diag)</p> <p>Timing of lifetime asthma: Lifetime</p> <p>Timing of incidence asthma: since baseline (earlier excl)</p> <p>Description of lifetime asthma: Taking medication typically used to treat asthma or ever told by doctor or nurse had asthma</p> <p>Number of lifetime asthma cases: 473</p> <p>Total number of subjects: 3128</p>
	Confounders considered	<p>Total number of adjustment factors used: 5</p> <p>Adjusted for sex : present</p> <p>Adjusted for age : 1</p> <p>Adjusted for race : 1</p> <p>Adjusted for location within study: 1</p> <p>Adjusted for education: 1</p>
JAAKK3	Study description	<p>Study title : Jaakkola</p> <p>Full study title : Pirkanmaa incident asthma CC 1997-2000</p> <p>Study sex : both</p> <p>Lowest age in study : 21</p> <p>Highest age in study (at baseline): 63</p> <p>Study race : all (in study area)</p> <p>Continent : Europe</p> <p>Country in Europe : Finland</p> <p>Location within country: Pirkanmaa (South Finland)</p> <p>Start year of study : 1997</p> <p>End year of study : 2000</p> <p>Principal publication year: 2003</p> <p>Reference ID of principal publication: JAAKKO2003B</p> <p>Overlap: No overlap</p> <p>Principal/subsidiary study: principal</p> <p>REF group : JAAKK3</p>
	Study design	<p>Study type : case/control</p> <p>Type of controls (for CC studies): healthy</p> <p>Type of population : all</p> <p>Medical exclusions : previous asthma</p> <p>Respondent : subject</p> <p>Never/non smoker definition: Never smoked NOS</p> <p>Questionnaire : Non std/NA/NK</p>

App11-3

JAAKK3
(continued)

Asthma	<p>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: at least one asthma-like symptom (prolonged cough, wheezing, attacks of or exercise-induced dyspnea, or nocturnal cough or wheezing) and demonstration of reversible airway obstruction in lung function investigations Number of current asthma cases: 239 Total number of subjects: 726</p>
Confounders considered	<p>Total number of adjustment factors used: 11 Adjusted for sex : present Adjusted for age : 1 Adjusted for family (parent/sibl) medical history: 1 Adjusted for damp/mould in home: 1 Adjusted for pets in household: 1 Adjusted for occupation: 1 Adjusted for education: 1 Adjusted for household ETS exposure: 2 Adjusted for workplace ETS exposure: 2</p>
JANSON Study description	<p>Study title : Janson Full study title : ECRHS multicentre CS 1990-94 (ECRHS = European Community Respiratory Health Study) Study sex : both Lowest age in study : 20 Highest age in study (at baseline): 48 Study race : all (in study area) Continent : multi Location within country: 37 centres in 17 countries (Australia, Belgium, Denmark, Estonia, France, Germany, Iceland, Ireland, Italy, Netherlands, New Zealand, Norway, Spain, Sweden, Switzerland, UK, USA) Start year of study : 1990 End year of study : 1994 Principal publication year: 2001 Reference ID of principal publication: JANSON2001 Reference ID of additional publication(s): SVANES2004, DEMARC2004 Overlap: JANSON/RAHERI Principal/subsidiary study: principal REF group : JANSON Comments : Results for current asthma from 17 countries (16 omitting Denmark in JANSON2001) entered as study JANSON; results for lifetime asthma from Bordeaux (France) only entered as study RAHERI</p>
Study design	<p>Study type : cross sectional Type of population : randomly selected Respondent : subject Never/non smoker definition: <1 cig/d 1 cigr/w lyr, or 360g Questionnaire : ECRHS</p>
Asthma	<p>Current asthma available: present Source of current asthma diagnosis: Self report (other/unspec/mix) Timing of current asthma: in last n months (12<=n<24) Description of current asthma: Ever had asthma and had attack in last 12 months (JANSON2001); using current asthma medication or asthma attacks in last 12 months (SVANES2004) Number of current asthma cases: not assessable Total number of subjects: 7882</p>
Confounders considered	<p>Total number of adjustment factors used: 15 Adjusted for sex : present Adjusted for age : 1 Adjusted for location within study: 1 Adjusted for household composition: 1 Adjusted for occupation: 1 Adjusted for subject's medical history: 5 Adjusted for obesity/BMI: 1 Adjusted for childhood ETS: 1 Adjusted for total ETS: 1 Adjusted for household ETS exposure: 1 Adjusted for workplace ETS exposure: 1</p>

App11-4

JANSON

(continued)

Other results (not current db) Other definitions of asthma available: present Results also available for 3+ asthma symptoms (SVANES2004)
 Wheezing/wheezing bronchitis available: present Results also available for wheeze; wheeze and breathlessness; wheeze without cold
 Results available other defns of never/non smoking: present Results also available for ex-smokers (SVANES2004)

JEDRYC Study description Study title : Jedrychowski
 Full study title : Cracow elderly TB screening CS (ca 1994?)
 Study sex : female
 Lowest age in study : 65
 Highest age in study (at baseline): 99
 Study race : all (in study area)
 Continent : Europe
 Country in Europe : Poland
 Location within country: central Cracow
 Start year of study : not assessable
 End year of study : not assessable
 Principal publication year: 1995
 Reference ID of principal publication: JEDRYC1995B
 Overlap: No overlap
 Principal/subsidiary study: principal
 REF group : JEDRYC

Study design Study type : cross sectional
 Type of population : all
 Medical exclusions : residents of old people's home and geriatric wards (i.e. incapable of self-care or independent living)
 Other exclusions : use electric or coal stoves for cooking
 Respondent : subject
 Never/non smoker definition: Smoked < 1 cig/day for 1 year
 Questionnaire : MRC

Asthma Current asthma available: present
 Source of current asthma diagnosis: Self report (doctor diag)
 Timing of current asthma: current diagnosis
 Description of current asthma: current treatment by medical doctor for bronchial asthma
 Number of current asthma cases: 99
 Total number of subjects: 1252
 Comments : Number of cases estimated from % distribution.

Confounders considered Total number of adjustment factors used: 3
 Adjusted for age : 1
 Adjusted for cooking/heating methods: 1
 Adjusted for education: 1

KRONQV Study description Study title : Krongvist
 Full study title : Gotland farmers CS 1996
 Study sex : both
 Lowest age in study : 15
 Highest age in study (at baseline): 65
 Study race : all (in study area)
 Continent : Europe
 Country in Europe : Sweden
 Location within country: Gotland (island in Baltic Sea)
 Start year of study : 1996
 End year of study : 1996
 Principal publication year: 1999
 Reference ID of principal publication: KRONQV1999
 Overlap: No overlap
 Principal/subsidiary study: principal
 REF group : KRONQV

App11-5

KRONQV
(continued)

Study design	Study type : cross sectional Type of population : farmers Medical exclusions : From an initial screening, sampling was 19% among healthy subjects, 75% among those with single-organ hypersensitivity (either lungs or nose/eyes), 99% among those with multiple organ hypersensitivity and 100% among those with allergic alveolitis Respondent : subject Never/non smoker definition: Never smoked NOS 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 (only prevalence analysis) Description of lifetime asthma: history of episodic shortness of breath, wheezing, and breathing difficulties Number of lifetime asthma cases: not assessable Total number of subjects: 581 Comments : Number of subjects estimated from percentage of never smokers
Confounders considered	Total number of adjustment factors used: 4 Adjusted for sex : present Adjusted for age : 1 Adjusted for exposure to food/housedust allergens: 2 Other confounders considered but rejected: present Comments : Variables rejected from MLR were sensitization to various pollens, mites, animal danders and insects
Other results (not current db)	Results available other defns of never/non smoking: present Result also available for ex-smokers
LARSS1 Study description	Study title : Larsson 1 Full study title : Swedish part of FinEss, Orebro CS 1995-6 Study sex : both Lowest age in study : 15 Highest age in study (at baseline): 69 Study race : all (in study area) Continent : Europe Country in Europe : Sweden Location within country: Orebro (mid Sweden) Start year of study : 1995 End year of study : 1996 Principal publication year: 2001 Reference ID of principal publication: LARSSO2001 Overlap: No overlap Principal/subsidiary study: principal REF group : LARSS1
Study design	Study type : cross sectional Type of population : randomly selected Medical exclusions : Family history of asthma Respondent : subject Never/non smoker definition: Never smoked NOS Questionnaire : MRC Comments : Only analyses excluding subjects with family history of asthma are entered here, although some (unadjusted) analyses including those subjects are also available
Asthma	Lifetime/incidence/unspec asthma available: present Source of lifetime asthma diagnosis: Self report (doctor diag) Timing of lifetime asthma: unspecified Timing of incidence asthma: NA (only prevalence analysis) Description of lifetime asthma: Asthma Number of lifetime asthma cases: 143 Total number of subjects: 2784 Comments : The subjects included (i.e. without family history of asthma) represent 78% of all subjects, and 61% of all cases

App11-6

LARSS1

(continued)

Confounders considered	Total number of adjustment factors used: 3 Adjusted for sex : present Adjusted for age : 1 Adjusted for occupation: 1
Other results (not current db)	Other definitions of asthma available: present Results available for ever had asthma (self defined), and for use of asthma medication Wheezing/wheezing bronchitis available: present Results available for wheeze, and for attacks of breathlessness, wheeze or cough when exposed to exercise, cold air, cigarette smoke or pets Results by other stratifying factors available: present Results with additional subjects with family history of asthma are also available, including results stratified by age (but lacking CIs)

LARSS2

Study description	Study title : Larsson 2 Full study title : Estonian part of FinEss, 3 centre CS 1995 Study sex : both Lowest age in study : 15 Highest age in study (at baseline): 64 Study race : all (in study area) Continent : Europe Country in Europe : Estonia Location within country: Tallinn, Narva and Saaremaa Start year of study : 1995 End year of study : 1996 Principal publication year: 2003 Reference ID of principal publication: LARSSO2003 Overlap: No overlap Principal/subsidiary study: principal REF group : LARSS2
Study design	Study type : cross sectional Type of population : randomly selected Other exclusions : Subjects who said they did not leave home Respondent : subject Never/non smoker definition: Never smoked not even few/week Questionnaire : MRC
Asthma	Lifetime/incidence/unspec asthma available: present Source of lifetime asthma diagnosis: Self report (doctor diag) Timing of lifetime asthma: unspecified Timing of incidence asthma: NA (only prevalence analysis) Description of lifetime asthma: Asthma Number of lifetime asthma cases: not assessable Total number of subjects: 6817
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 household ETS exposure: 1 Adjusted for workplace ETS exposure: 1
Other results (not current db)	Wheezing/wheezing bronchitis available: present Results available for wheeze, for wheeze in last 12 months, and for attacks for breathlessness, wheeze or cough when exposed to exercise, cold air, dust, tobacco smoke, exhaust fumes, perfumes, pollen or pets

MISHRA Study description Study title : Mishra
Full study title : Indian NFHS-2 elderly CS 1998-99 (NFHS-2 = 2nd National Family Health Survey)
Study sex : both
Lowest age in study : 60
Highest age in study (at baseline): 99
Study race : all (in study area)
Continent : Asia
Country in Asia : India
Location within country: nationwide
Start year of study : 1998
End year of study : 1999
Principal publication year: 2003
Reference ID of principal publication: MISHRA2003
Overlap: No overlap
Principal/subsidiary study: principal
REF group : MISHRA

Study design Study type : cross sectional
Type of population : random households
Respondent : subject or proxy
Never/non smoker definition: Never smoked regularly/daily
Questionnaire : Non std/NA/NK

Asthma Current asthma available: present
Source of current asthma diagnosis: Proxy report (other/unsp/mix)
Timing of current asthma: current NOS
Description of current asthma: Asthma
Number of current asthma cases: 2479
Total number of subjects: 28020
Comments : Numbers of cases and of subjects estimated from percentage distribution

Confounders considered Total number of adjustment factors used: 12
Adjusted for age : 1
Adjusted for location within study: 2
Adjusted for religion: 1
Adjusted for SES : 2
Adjusted for household composition: 1
Adjusted for cooking/heating methods: 1
Adjusted for housing quality/age/size: 3
Adjusted for education: 1

NG Study description Study title : Ng
Full study title : Singapore CS (ca 1992?)
Study sex : female
Lowest age in study : 20
Highest age in study (at baseline): 74
Study race : all (in study area)
Continent : Asia
Country in Asia : Singapore
Location within country: 5 public housing estates
Start year of study : not assessable
End year of study : not assessable
Principal publication year: 1993
Reference ID of principal publication: NG1993A
Overlap: No overlap
Principal/subsidiary study: principal
REF group : NG

Study design Study type : cross sectional
Type of population : randomly selected
Medical exclusions : history of cardiac disease
Respondent : subject
Never/non smoker definition: Smoked < 1 cig/day for 1 year
Questionnaire : MRC

Asthma Current asthma available: present
Source of current asthma diagnosis: Self report (doctor diag)
Timing of current asthma: in last n months (12<=n<24)
Description of current asthma: episodic wheeze and asthmatic symptoms diagnosed as asthma in past year
Number of current asthma cases: 33
Total number of subjects: 1282

App11-8

NG

(continued)

Confounders considered	Total number of adjustment factors used: 6 Adjusted for age : 1 Adjusted for race : 1 Adjusted for location within study: 1 Adjusted for cooking/heating methods: 1 Adjusted for housing quality/age/size: 1 Adjusted for occupation: 1
Other results (not current db)	Wheezing/wheezing bronchitis available: present Results available for wheeze Results by other stratifying factors available: present Results available for housewives (i.e. excluding subjects who might have workplace ETS exposure)

NHANE3 Study description	Study title : NHANE3 III Full study title : NHANE3 III nationwide CS 1988-94 (NHANE3 = Third National Health and Nutrition Examination Survey) Study sex : both Lowest age in study : 17 Highest age in study (at baseline): 99 Study race : all (in study area) Continent : NAmerica US state : nationwide Location within country: Nationwide Start year of study : 1988 End year of study : 1994 Principal publication year: 2002 Reference ID of principal publication: EISNER2002B Overlap: No overlap Principal/subsidiary study: principal REF group : NHANE3
Study design	Study type : cross sectional Type of population : randomly selected Other exclusions : institutionalized persons and non-civilians Respondent : subject Never/non smoker definition: Not curr smk and serum cot <14 Questionnaire : Non std/NA/NK
Asthma	Current asthma available: present Source of current asthma diagnosis: Self report (doctor diag) Timing of current asthma: current NOS Description of current asthma: Ever been told by a doctor that had asthma, still has asthma, and never had physician diagnosis of emphysema Number of current asthma cases: 440 Total number of subjects: 10581
Other results (not current db)	Other exposures available: present Median serum cotinine also available in subjects with and without asthma

ORYSZC Study description	Study title : Orzyszczyn Full study title : French EGEE CC (ca 1996?) (EGEE = Epidemiological Study of the Genetics and Environment of Asthma) Study sex : both Lowest age in study : 25 Highest age in study (at baseline): 54 Study race : all (in study area) Continent : Europe Country in Europe : France Location within country: Paris, Lyon, Marseilles, Montpellier, Grenoble Start year of study : not assessable End year of study : not assessable Principal publication year: 2000 Reference ID of principal publication: ORYSZC2000 Reference ID of additional publication(s): KAUFFM1997 Overlap: No overlap Principal/subsidiary study: principal REF group : ORYSZC
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App11-9

ORYSZC
(continued)

Study design	Study type : case/control Type of controls (for CC studies): both Control diseases : unstated (recruitment at surgery departments and a check up center) Type of population : unstated Respondent : subject Never/non smoker definition: Never smoked regularly/daily Questionnaire : MRC,ATS,ECRHS Comments : Additional results for relatives of asthma cases have not been entered here
Asthma	Current asthma available: present Source of current asthma diagnosis: Self report (other/unspec/mix) Timing of current asthma: in last n months (12<=n<24) Description of current asthma: Attending chest clinic and positive answer to 4 questions (ever had attacks of breathlessness at rest with wheezing; ever had asthma attacks; diagnosis confirmed by a doctor; had asthma attack in last 12 months), or positive answers to 2-3 of the questions and examination of medical records Number of current asthma cases: 51 Total number of subjects: 139
Matching factors	Comments : According to ORYSZC2000, no matching was performed but comparability was controlled to avoid disparities by centre, season, sex and age. However according to KAUFFM1997 controls were matched on age, month and centre
PILOTT Study description	Study title : Pilotto Full study title : Port Adelaide CS 1995 Study sex : both Lowest age in study : 18 Highest age in study (at baseline): 99 Study race : all (in study area) Continent : Australia Location within country: Port Adelaide (South Australia) Start year of study : 1995 End year of study : 1995 Principal publication year: 1999 Reference ID of principal publication: PILOTT1999 Overlap: No overlap Principal/subsidiary study: principal REF group : PILOTT
Study design	Study type : cross sectional Type of population : random households Respondent : subject Never/non smoker definition: Not current smoker Questionnaire : Non std/NA/NK
Asthma	Lifetime/incidence/unspec asthma available: present Source of lifetime asthma diagnosis: Self report (other/unspec/mix) Timing of lifetime asthma: unspecified Timing of incidence asthma: NA (only prevalence analysis) Description of lifetime asthma: Asthma Number of lifetime asthma cases: not assessable Total number of subjects: 1123
Confounders considered	Total number of adjustment factors used: 3 Adjusted for sex : present Adjusted for age : 1 Adjusted for location within study: 1
Other results (not current db)	Wheezing/wheezing bronchitis available: present Results available for wheeze

App11-10

PLATTS Study description Study title : Platts-Mills
 Full study title : Wilmington acute asthma CC 1988-89
 Study sex : both
 Lowest age in study : 15
 Highest age in study (at baseline): 55
 Study race : all (in study area)
 Continent : NAmerica
 US state : Delaware
 Location within country: Wilmington (Delaware)
 Start year of study : 1988
 End year of study : 1989
 Principal publication year: 1993
 Reference ID of principal publication: PLATTS1993
 Reference ID of additional publication(s): GELBER1993, MOYER1993
 Overlap: No overlap
 Principal/subsidiary study: principal
 REF group : PLATTS

Study design Study type : case/control
 Type of controls (for CC studies): diseased
 Control diseases : Presenting at ER with any condition other than breathlessness
 Type of population : all
 Respondent : subject
 Never/non smoker definition: Not active smoker
 Questionnaire : Non std/NA/NK
 Comments : It is not clear whether the analysis includes never or non smokers

Asthma Current asthma available: present
 Source of current asthma diagnosis: Medical records
 Timing of current asthma: current diagnosis
 Description of current asthma: Acute asthma (presenting at ER with breathlessness for which the physician on call prescribed urgent treatment for airway obstruction)
 Number of current asthma cases: 48
 Total number of subjects: 89

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

RAHERI Study description Study title : Raherison
 Full study title : ECRHS Bordeaux centre CS 1991-92 (ECRHS = European Community Respiratory Health Study)
 Study sex : both
 Lowest age in study : 20
 Highest age in study (at baseline): 44
 Study race : all (in study area)
 Continent : Europe
 Country in Europe : France
 Location within country: Bordeaux
 Start year of study : 1991
 End year of study : 1992
 Principal publication year: 2003
 Reference ID of principal publication: RAHERI2003
 Overlap: JANSON/RAHERI
 Principal/subsidiary study: subsidiary
 REF group : JANSON
 Comments : Results for current asthma from 17 countries entered as study JANSON; results for lifetime asthma from Bordeaux (France) only entered as study RAHERI

Study design Study type : case/control
 Type of controls (for CC studies): healthy
 Type of population : randomly selected
 Type of population - controls (if diff from cases): without history of asthma
 Respondent : subject
 Never/non smoker definition: Smoked < 1 year
 Questionnaire : ECRHS
 Comments : Cases were all asthmatics identified in earlier screening phase, controls randomly selected from remainder

App11-11

RAHERI
(continued)

Asthma Lifetime/incidence/unspec asthma available: present
 Source of lifetime asthma diagnosis: Self report (doctor diag)
 Timing of lifetime asthma: Lifetime
 Timing of incidence asthma: NA (only prevalence analysis)
 Description of lifetime asthma: Asthma
 Number of lifetime asthma cases: 96
 Total number of subjects: 544

Confounders considered Total number of adjustment factors used: 10
 Adjusted for sex : present
 Adjusted for age : 1
 Adjusted for family (parent/sibl) medical history: 1
 Adjusted for subject's medical history: 7

Other results Wheezing/wheezing bronchitis available: present Results available for wheeze without
 (not current asthma
 db) Results available other defns of never/non smoking: present Results available in ever
 smokers for asthma onset before start of smoking

ROBBIN Study description Study title : Robbins
 Full study title : California 7th Day Adventist PS 1977-87
 Study sex : both
 Lowest age in study : 25
 Highest age in study (at baseline): 99
 Highest age in study at final followup: 99
 Study race : whites (exc hispanic)
 Continent : NAmerica
 US state : California
 Location within country: California, mainly San Francisco, LA and San Diego
 Start year of study : 1977
 End year of study : 1977
 Final follow up year: 1992
 Principal publication year: 1993
 Reference ID of principal publication: ROBBIN1993
 Reference ID of additional publication(s): GREER1993, MCDONN1999
 Overlap: No overlap
 Principal/subsidiary study: principal
 REF group : ROBBIN

Study design Study type : prospective
 Type of population : randomly selected
 Other exclusions : Resident near baseline address <10y. Died before follow-up
 (1987: ROBBIN1993, GREER1993 or 1992: MCDONN1999). Includes only Seventh Day
 Adventists
 Respondent : subject
 Never/non smoker definition: Not current smoker
 Questionnaire : MRC

Asthma Lifetime/incidence/unspec asthma available: present
 Source of lifetime asthma diagnosis: Self report (other/unspec/mix)
 Timing of lifetime asthma: NA (incidence only)
 Timing of incidence asthma: since baseline (earlier excl)
 Description of lifetime asthma: Definite asthma (physician-diagnosed asthma, and
 breathing sounded wheezy or attacks of SOB with wheezing) - ROBBIN1993, GREER1993;
 Doctor-told asthma (ever told by doctor had asthma) - MCDONN1999
 Number of lifetime asthma cases: 80
 Total number of subjects: 3602
 Comments : Numbers of cases and at-risk subjects refer to definite asthma
 at 1987 follow-up (ROBBIN1993). The numbers for doctor-told asthma at 1992 follow-up
 are 138 and 2671 respectively (MCDONN1999, cases based on %s)

Confounders considered Total number of adjustment factors used: 7
 Adjusted for sex : present
 Adjusted for age : 1
 Adjusted for location within study: 1
 Adjusted for education: 1
 Adjusted for subject's medical history: 1
 Adjusted for active smoking (ex/never): 1
 Adjusted for workplace ETS exposure: 1
 Other confounders considered but rejected: present
 Comments : Rejected variables: SMED, OCCUP, OETS (living with smoker)

App11-12

ROBBIN

(continued)

Other results (not current db) Other definitions of asthma available: present Results also available for adult-onset asthma (GREER1993)

SAPALD Study description Study title : SAPALDIA
 Full study title : SAPALDIA CS 1991 (SAPALDIA = Swiss Study on Air Pollution and Lung Diseases in Adults)
 Study sex : both
 Lowest age in study : 18
 Highest age in study (at baseline): 60
 Study race : all (in study area)
 Continent : Europe
 Country in Europe : Switzerland
 Location within country: Aarau, Basel, Davos, Geneva, Lugano, Montana, Payerne, Wald
 Start year of study : 1991
 End year of study : 1991
 Principal publication year: 1994
 Reference ID of principal publication: LEUENB1994
 Reference ID of additional publication(s): LEUENB1993,ZEMP1999,KUNZLI2000
 Overlap: No overlap
 Principal/subsidiary study: principal
 REF group : SAPALD

Study design Study type : cross sectional
 Type of population : randomly selected
 Other exclusions : residents for <3 yrs
 Respondent : subject
 Never/non smoker definition: Smk <20 pks cigs/360g lifetime
 Questionnaire : ECRHS

Asthma Lifetime/incidence/unspec asthma available: present
 Source of lifetime asthma diagnosis: Self report (doctor diag)
 Timing of lifetime asthma: Lifetime
 Timing of incidence asthma: NA (only prevalence analysis)
 Description of lifetime asthma: Asthma
 Current asthma available: present
 Source of current asthma diagnosis: Self report (other/unspec/mix)
 Timing of current asthma: in last n months (12<=n<24)
 Description of current asthma: Ever had physician diagnosed asthma, and wheezing or usual cough in last 12 months
 Number of lifetime asthma cases: 287
 Number of current asthma cases: not assessable
 Total number of subjects: 4197
 Comments : Number of subjects included in the analysis (based on serum cotinine <14 ng/ml) exceeds the number of self-reported never and ex-smokers (3218 vs 2824, Tables 3-4 BECKETT2001)

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 family (parent/sibl) medical history: 3
 Adjusted for subject's medical history: 1
 Adjusted for obesity/BMI: 1
 Comments : Confounders given here are the Basic model. Some results additionally adjust for education or for occupational exposure, or (in a subset only) for paternal smoking in childhood

Other results (not current db) Other definitions of asthma available: present Results available for physician-diagnosed asthma or wheeze without cold in last 12 months (KUNZLI2000)
 Wheezing/wheezing bronchitis available: present Results available for wheeze without colds
 Results available other defns of never/non smoking: present Results available also excluding subjects with expired CO >= 7ppm
 Results by other stratifying factors available: present Results available excluding subjects whose mother ever smoked

App11-13

THORN	Study description	Study title : Thorn Full study title : Alvsborg nested CC 1994 Study sex : both Lowest age in study : 20 Highest age in study (at baseline): 50 Study race : all (in study area) Continent : Europe Country in Europe : Sweden Location within country: Alvsborg (western Sweden) Start year of study : 1994 End year of study : 1994 Principal publication year: 2001 Reference ID of principal publication: THORN2001 Overlap: No overlap Principal/subsidiary study: principal REF group : THORN
	Study design	Study type : case/control Type of controls (for CC studies): healthy Type of population : randomly selected Respondent : subject Never/non smoker definition: Never smoked NOS Questionnaire : Non std/NA/NK Comments : Subjects were drawn from a cross-sectional study conducted the previous year
	Asthma	Lifetime/incidence/unspec asthma available: present Source of lifetime asthma diagnosis: Self report (doctor diag) Timing of lifetime asthma: from age 16 (ie adult onset) Timing of incidence asthma: NA (only prevalence analysis) Description of lifetime asthma: Physician-diagnosed asthma, onset after age 16 (and not more than 15 years ago) Number of lifetime asthma cases: 69 Total number of subjects: 487
	Confounders considered	Total number of adjustment factors used: 2 Adjusted for age : 1 Adjusted for subject's medical history: 1

The references corresponding to the reference IDs given above

BECKETT2001 Beckett WS, Jacobs DR, Jr., Yu X, Iribarren C, Williams OD. Asthma is associated with weight gain in females but not males, independent of physical activity. *Am J Respir Crit Care Med* 2001;**164**:2045-50.

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