

APPENDIX 14Supplementary tables – Children

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Appendix Table 14.1A Exclusion from study population - Medical exclusions

Study Ref	Medical exclusions
ARSHAD	restricted to subjects with high allergy risk
AZIZI	acute bronchiolitis, pneumonia, stridor, chronic and surgical respiratory conditions, heart disease, acute and chronic renal failure, oncological disorders, tuberculosis, immunological disorders, gross malnutrition
BALL	oxygen >6hrs, major congenital abnormalities, congenital chest or lung problems (e.g. cystic fibrosis), symptomatic congenital heart problems, severe systemic disease
BECKET	birth complications/neonatal deaths, low birthweight
BUTZ	cystic fibrosis, rheumatoid arthritis
CUNNI2	history of cystic fibrosis, heart disease, chest injury/operation, neonatal oxygen/ventilation; unable to perform spirometry
DEKKER	cystic fibrosis
FAGBUL	family history asthma
FAROOQ	atopic disorder before completion of immunisations
HOST	previous asthmatic bronchitis
JAAKKO	birthweight <2000gm, serious neonatal respiratory, cardiovascular, neuromuscular or metabolic disease, assisted ventilation >6hrs
KERSHA	cystic fibrosis, tracheal-oesophageal fistula, congenital collapsing bronchus, immotile cilia syndrome
KNIGHT	history of chronic cough or wheeze, exercise-induced cough or wheeze, or SOB without current diagnosis of asthma
KUHR	acute infection
LEEDER	died within 7 days of birth
LILLJE	symptoms or diagnosis of allergies but not asthma
MCCON1	cystic fibrosis, severe chest injury, chest surgery
MCCON2	premature birth, cardiac/neuromuscular disorder, esophageal atresia, bronchiolitis
MILLER	mother has diabetes, hypertension, HIV
MURRAY	cystic fibrosis, marked gastroesophageal reflux
ODDY	died before age 6
OLIVET	bronchopulmonary dysplasia, cystic fibrosis, anatomic lung abnormality, neonatal oxygen/ ventilation >14 days
PALMIE	history of atopic disease
PONSON	restricted to high risk of SIDS
RATAGE	bronchiectasis, acute exacerbation of asthma
ROSASV	neurologic, cardiac or neoplastic disease; adverse systemic reaction during SPT
SARRAZ	immunodeficiency, congenital heart disease, cystic fibrosis, autoimmune disease, mental impairment
SCHMIT	respiratory tract infection in last 3w
SHIVA	cardiorespiratory disease (except asthma), abnormality which would decrease respiratory reserve or make child susceptible to respiratory infections
TARIQ	perinatal deaths

Appendix Table 14.1A (continued)

Study Ref	Medical exclusions
VENNER	both parents have asthma
VONMAF	birth complications/neonatal deaths, low birthweight
WANG	past (but not current) asthmatic symptoms
WICKMA	severe disabling disease
WIJGA	diet influenced by allergy to cow's milk
WILLE2	acute illness
XU	died before age 7

Appendix Table 14.1B Exclusion from study population - Other exclusions

Study Ref	Other exclusions
ALBA	no home telephone
ALDAWO	non-nationals, not local residents
ALFRA1	non-Saudis
ALFRA2	non-Saudis
ANNESI	restricted to children with a parent born 1958 who participated in the National Child Development Study (NCDS)
BECKET	non-English speakers, newborns given for adoption
BURCHF	not living with both parents
CUNNI1	questionnaire not completed by biologic mother
CUNNI2	questionnaire not by biologic mother, height or weight outside limits
DEKKER	temporary dwelling (mobile home, boat etc)
DELL	primary caregiver not the biological mother
DIKST	non-NW European origin
DODGE	single parent families
DOLD	non-Germans
DUHME1	non-German nationality
DUHME2	non-German nationality
DUHME3	non-German nationality
DUHME4	non-German nationality
FARBE1	female guardian not mother
FARBE2	female guardian not mother
FARBE3	female guardian not mother
FAROOQ	ever changed GP, or died during study period
FERGUS	died or left New Zealand before age 6
FLYNN2	urban schools
HJERN1	mother age 50+
HJERN2	father age 50+
INFANT	not local resident
JAAKKO	not permanent Oslo resident, plans to move away, non-Norwegian speaking, not living with any biologic parent, history of drug abuse in family
JAAKK2	multiple births
JONES	sibling also in study
KABESC	non-German nationality or origin
KEARNE	away at time of study
LAM1	English-speaking and International schools
LEE3	schools more than 1km from air-monitoring station
LEEDER	not full 5-year followup
LEROUX	parent did not attend school medical examination
LILLJE	not traceable at original address

Appendix Table 14.1B (continued)

Study Ref	Other exclusions
MCCON2	adopted
MILLER	mother smoked during pregnancy or uses illegal drugs. Mother aged <18 or >35 years. Newborn blood cotinine >15 ng/mL
MOYES1	very small rural village schools
MOYES2	very small rural village schools
NICOLA	non-German nationality
NILSSO	residence in first year not in same region
NYSTAD	non-Norwegians (immigrants)
QIAN	lived > 1km from school, resident <2 years
PONSON	died/moved away by age 7
RASANE	co-twin died or not living in Finland
RATAGE	not local resident
RENNIE	restricted to those living on farms or acreages
RONCH3	participated in earlier study (RONCH2)
RONMAR	children who moved away were excluded from onset analyses
SARRAZ	lived <2 years at current address
SCHENK	single parent families
SCHMIT	lived in region <3y
SENNHA	non-Swiss nationals
SHIVA	household smoker other than father
STERN1	outlying school near military base
STRACH	changed address in last 3 years
TARIQ	adoptions, moved away from Isle of Wight
TSIMOY	restricted to athletes
VOLKME	heating by kerosene, multiple types or none
VONMAF	non-English speakers, newborns given for adoption
WICKMA	planning to move within 1 year of birth, non-Swedish speaking, older sibling also in study
YUAN	multiple births, moved from county in first year
ZHENG	lived > 2 kms from school, resident <3 yrs, plans to move within 3 yrs

Appendix Table 14.2A Diagnostic criteria for lifetime or incident asthma

Basis of diagnosis	Study Ref	Description of lifetime asthma
Medical records	ALBA	asthma (= 3+ episodes of bronchospasm, but excluding aspiration of foreign body and bronchiolitis)
	BURR	asthma
	BUTZ	asthma
	FAROOQ	asthma (= recurrent episodes of wheeze)
	FERGUS	attended phys for wheeze diagnosed as asthma or wheezy bronchitis. (Based on conclusion by Williams & McNicol that the two conditions are indistinguishable)
	JAAKK2	hospitalization, medication or entitlement to special care support for asthma
	KERSHA	asthmatic (= presenting any respiratory illness, had had 3+ bouts of bronchitis or bronchiolitis in any 6m period, and also had either definite intermittent wheeze or chronic night cough)
	MCKEEV	asthma (including asthma and wheezing)
	OCONNE	asthmatic
	RATAGE	asthma (= 3+ episodes cough/wheeze with reversible airway obstruction with aerosolized salbutamol inhalation)
	ROSASV	asthma according to international guidelines
	VENNER	asthma diagnosed on basis of history of repeated onset of wheeze with dyspnea, but without symptoms between events and symptoms improved by bronchodilator
	YUAN	Prescription for asthma (=both beta-agonist and inhaled glucocorticoid)
ZEIGER	asthma (= 2+ episodes lower respiratory disorder with reversible bronchospasm unassociated with other anatomic congenital or immunologic causes)	
Physician diagnosis	AGUDOT	asthma
	AKCAKA	asthma
	ALFRA1	asthma
	ARIF	asthma
	BECKET	at least one child in family with physician diagnosed asthma
	BENCIV	asthma
	BRABIN	asthma

Appendix Table 14.2A (continued)

Basis of diagnosis	Study Ref	Description of lifetime asthma
Physician diagnosis (continued)	CHEN1	asthma
	CHEN2	asthma
	CUNNI2	asthma
	DELL	asthma
	DODGE	asthma
	DOLD	asthmatic (= at least one episode of bronchial asthma, or several episodes of asthmatic bronchitis or spastic bronchitis)
	EHRLI2	acute (current diagnosis at ER and at least one previous physician diagnosis acute asthma) or non-acute (history episodic or chronic airflow obstruction requiring medication, no acute attack in last 2 weeks)
	FIELDE	asthma
	FLYNN1	asthma
	FLYNN2	asthma
	FREEM1	asthma diagnosis (determined from both biomarker and parental survey data)
	FREEM2	asthma diagnosis (determined from both biomarker and parental survey)
	GILLIL	asthma
	HU1	asthma
	HU2	asthma
	KALYO1	asthma
	KEARNE	asthma
	KENDIR	asthma
	KUEHR	asthma (= asthma or recurrent wheezy bronchitis)
	KUHR	answered Yes or Dont know to ever physician diagnosed asthma
LAM1	asthma	
LAM2	asthma	
LEE3	asthma	
LIS	bronchial asthma	
MAIER	asthma	

Appendix Table 14.2A (continued/2)

Basis of diagnosis	Study Ref	Description of lifetime asthma
Physician diagnosis (continued)	MARTIN	asthma
	MCCON2	asthma
	MONTEF	asthma
	MONTEI	asthma
	MOYES1	asthma
	MOYES2	asthma
	NHANE3	asthma
	NICOLA	diagnosis of asthma or recurrent diagnosis of asthmatic/spastic/obstructive bronchitis
	ODDY	asthma
	QIAN	asthma
	RASANE	asthma
	RENNIE	asthma
	SCHENK	asthma
	SELCUK	bronchial asthma
	SENNHA	bronchial asthma
	SHERMA	asthma
	SIGURS	asthma (= 3 episodes of bronchial obstruction) verified by physician
	STAZI	asthma
	STERN2	asthma
	TAYLOR	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)
	TSIMOY	asthma
	VONMAF	at least one child in family with physician diagnosed asthma
	WIJGA	asthma
WITHER	asthma	
WOLFO1	asthma	
WOLFO2	asthma	

Appendix Table 14.2A (continued/3)

Basis of diagnosis	Study Ref	Description of lifetime asthma
Physician diagnosis (continued)	WOLFO3	asthma
	ZEJDA	asthma
	ZHANG	asthma
Other/mixed	ALDAWO	asthma (= attacks of wheezing with SOB and breathing normal between attacks)
	ANDRAE	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)
	ANNESI	ever had attacks of asthma
	ANNES2	asthma
	BARRET	asthma
	BENER	asthma attack
	BURCHF	asthma (=asthma or wheeze with at least 2 of: SOB; allergen exposure; physician diagnosis of asthma or wheezy bronchitis)
	DEBENE	bronchial asthma
	ECE	asthma
	FARBE2	asthma
	FORAST	asthma (= physician diagnosed asthma, or 3+ symptoms from: wheeze with colds, wheeze apart from colds, dyspnoea with wheeze, wheeze after exercise)
	GOLD	asthma
	GOREN1	asthma
	GOREN2	asthma
	GOREN3	asthma
	GOREN6	asthma
	GORTM1	asthma
	GORTM2	asthma
	GURKAN	ever physician diagnosed asthma or asthmatic symptoms such as SOB with wheezing
HAJNAL	asthma	

Appendix Table 14.2A (continued/4)

Basis of diagnosis	Study Ref	Description of lifetime asthma
Other/mixed (continued)	KAPLAN	ever had attacks of asthma
	KASPER	asthma
	KAY	asthma
	KIVITY	bronchial asthma
	LEEDER	asthma
	LEROUX	asthma (= acute recurring attacks of SOB with wheeze which end spontaneously or respond to treatment)
	LEVES1	asthma
	LEVES2	asthma
	LEVES3	asthma
	LISTER	asthma
	MURRAY	asthma
	NILSSO	asthma
	NYSTAD	ever had asthma and it began after age 3
	PIROGO	bronchial asthma
	POKHAR	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)
	PONSON	asthma
	RONCH1	ever physician diagnosed asthma, or ever had asthmatic attack (SOB with audible wheezing) and when playing becomes more breathless than other children
	RONCH2	ever physician diagnosed asthma, or ever had asthmatic attack (SOB with audible wheezing) and when playing becomes more breathless than other children
	RONCH3	ever physician diagnosed asthma, or ever had asthmatic attack (SOB with audible wheezing) and when playing becomes more breathless than other children
	RONMAR	asthma
RUDNIK	asthma	
SANZOR	asthma	

Appendix Table 14.2A (continued/5)

Basis of diagnosis	Study Ref	Description of lifetime asthma
Other/mixed (continued)	SHAMSS	asthma
	SOYSET	asthma
	SQUILL	3+ symptoms suggestive of asthma
	STANHO	one or more episodes labelled asthma
	ULRIK	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)
	VARELA	asthmatic
	VAVILI	bronchial asthma
	VERHOE	asthma (subset of chronic respiratory symptoms)
	VOLKME	asthma
	WARKE	asthmatic (=doctor diagnosed asthma and 2+ episodes wheeze precipitated by infection, exercise or allergen exposure)
	WEITZI	asthma
	WICKMA	asthma (=3+ episodes wheeze after age 3m with treatment by inhaled glucocorticoids, or signs of suspected hyperactivity (cough, wheeze at excitement or emotional stress) without URI)

Appendix Table 14.2B Diagnostic criteria for current asthma

Basis of diagnosis	Study Ref	Timing of current asthma ¹	Description of current asthma
Medical records	ADDOYO	4	attending asthma clinic with physician diagnosed asthma, use of anti-asthma medication and symptoms (cough and/or wheeze) in last 12m
	ARSHAD	6	asthma (= 3+ separate episodes of cough & wheeze)
	AZIZI	1	asthma (diagnosed if there was previous history of wheezing, and clinical findings and subsequent progress did not suggest other diagnosis)
	CALL	1	presenting at ER with acute wheezing and diagnosed as asthma
	CLARK	1	asthmatic attending asthma or medical clinic
	DAIGLE	3	asthma requiring hospitalization or 2 primary care visits
	FAGBUL	1	asthma (= presenting with severe SOB +/- cough & wheeze, and had wheezy attack in last 6m)
	HUGHES	4	receiving treatment for asthma in last year
	INFANT	1	asthma compatible with ICD(9) code 493
	JONES	4	on practice asthma register (clinical diagnosis supported by response to treatment and/or peak flow measurement)
	KARUNA	1	inpatient admission, 2+ episodes of asthma, more severe than cough and wheeze
	KNIGHT	1	asthma (= clinic diagnosis of repeated reversible episodes of bronchoconstriction manifested as cough or wheeze, verified by pulmonary function tests)
	LINDFO	1	referral to specialist allergy clinic for evaluation of bronchial asthma, and 3+ episodes of airway obstruction with asthmatic symptoms such as wheezing, cough etc
	LOPEZC	1	allergic asthma
	MAVALE	1	asthma confirmed by clinical history, physical examination, chest X-ray, improvement on beta-mimetic treatment, and at least 2 previous episodes of wheeze
	MOUSSA	6	known asthmatics regularly receiving medication
	MUMCUO	1	asthma (= history of cough, SOB and wheeze, as well as low PF with at least 10% improvement after bronchodilator)
OLIVET	4	physician diagnosed asthma and wheeze or cough requiring asthma medication in last 12m	

Appendix Table 14.2B (continued)

Basis of diagnosis	Study Ref	Timing of current asthma ¹	Description of current asthma
Medical records (continued)	PALMIE	4	3+ asthma attacks in last 12m
	SARRAZ	1	asthma (clinical history and lung function tests)
	TOMINA	1	bronchial asthma
	WILLE1	1	asthma based on clinical history (recurrent episode of cough & wheeze) and examination
Physician diagnosis	BERGMA	6	asthma
	CHEN2	4	doctor said child has asthma in last 12m
	FORSB1	4	asthma treatment by physician
	FORSB2	4	asthma treatment by physician
	FORSB3	4	asthma treatment by physician
	HJERN1	6	allergic asthma (=gets asthma when in contact with pollen or furred animals)
	HJERN2	6	allergic asthma (=gets asthma when in contact with pollen or furred animals)
	MILLER	2	physician diagnosis of asthma or probable asthma in last 3m
	HOST	6	current/active physician diagnosed asthma
	MOHAME	1	asthma (= either questionnaire reported history of physician diagnosed asthma or symptoms of persistent or frequent wheeze; or 10% decline in FEV after exercise test)
	PETERS	6	asthmatic diagnosis
	SCHMIT	4	physician diagnosed asthma with medication and attack rates in last 12m evaluated (although criteria used not stated)
	SELCUK	4	physician diagnosed bronchial asthma with symptoms in last 12m
	SHIVA	4	physician diagnosed asthma in last 12m
	STERN2	4	asthma in previous year
YANG	6	asthma currently present and confirmed by doctor	

Appendix Table 14.2B (continued /2)

Basis of diagnosis	Study Ref	Timing of current asthma ¹	Description of current asthma
Other/mixed	AGABI1	4	history of asthma with wheezing in last 12m
	AGABI2	4	history of asthma with wheezing in last 12m
	AGUDOT	4	medication for asthma in last 12m
	ANNES2	4	current asthma (=chest wheezing or whistling in last 12m and ever had asthma)
	BALL	4	physician diagnosed asthma with exacerbation in last 12m
	CELEDO	4	ever diagnosed asthma, and either asthma attack or at least one symptom (cough without cold, wheeze, nocturnal cough/wheeze) in last 12m
	CHHABR	4	current or probable asthmatic (= recurrent wheeze in last 12m or wheezing with exercise or wheezing with a cold)
	CHINN	4	at least one asthma attack in last 12m
	CSONKA	4	asthma (= at least one of: wheezy breathing; ER or hospital treatment for acute asthma; regular anti-inflammatory therapy for chronic asthma)
	CUNNI1	4	active diagnosed asthma (= ever diagnosed and experienced symptoms in last 12m)
	DEKKER	6	ever physician diagnosed asthma and still has asthma
	DEKOK	4	asthma (= 2+ key symptoms (wheeze or SOB) in last 12m)
	DIJKST	4	asthma (= SOB with wheezing in last 12m)
	DOTTER	6	has suffered from asthma, and wheezes, coughs or has attacks of breathlessness (asthma) after exposure to extrinsic factors (pollen, animals, food, infections)
	DUHME1	4	asthma symptoms (=wheezing in last 12m and at least one attack of wheezing, sleep disturbing wheezing or speech limiting wheezing)
	DUHME2	4	asthma symptoms (=wheezing in last 12m and at least one attack of wheezing, sleep disturbing wheezing or speech limiting wheezing)
	DUHME3	4	asthma symptoms (=wheezing in last 12m and at least one attack of wheezing, sleep disturbing wheezing or speech limiting wheezing)
	DUHME4	4	asthma symptoms (=wheezing in last 12m and at least one attack of wheezing, sleep disturbing wheezing or speech limiting wheezing)

Appendix Table 14.2B (continued /3)

Basis of diagnosis	Study Ref	Timing of current asthma ¹	Description of current asthma
Other/mixed (continued)	FUJI	5	asthma (= ever had 2+ episodes of wheeze with dyspnoea, and asthma attack or need for medical treatment for asthma in last 2 years)
	GILLIL	3	ever physician diagnosed asthma and symptoms/illness last yr
	GOLD	4	asthma
	GUPTA	4	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
	HABY	4	ever physician diagnosed asthma and medication in last 12m and symptoms of cough or wheeze in last 12m
	HALONE	4	physician diagnosed asthma and 1+ exacerbation in last 12m
	HU1	2	asthma medication (taken in last 2 weeks for asthma, wheezing or whistling in chest)
	HU2	4	ever physician diagnosed asthma and, in last 12m, either taking asthma medication or episode of cough/ wheeze/SOB lasting 3+ days
	JAAKKO	4	physician diagnosed asthma, and symptoms in last 12m
	JANG	4	asthma symptoms (= wheeze, sleep-disturbing wheeze or speech-limiting wheeze)
	KABESC	4	asthma (=ever diagnosed asthma or recurrent asthmatic/spastic/obstructive bronchitis and wheeze in last 12m)
	KALYO1	4	ever physician diagnosed asthma and symptoms in last 12m
	KALYO2	4	ever physician diagnosed asthma and symptoms in last 12m
	LAM1	2	use of asthma medication in last 2 days
	LAM2	2	use of asthma medication in last 2 days
	LAU	6	asthma
	LEE1	4	ever diagnosed asthma and symptoms in last 12m
	LEE2	4	ever diagnosed asthma and symptoms in last 12m
	LEEN	6	asthma (= current wheeze)
LILLJE	6	asthma symptoms	

Appendix Table 14.2B (continued /4)

Basis of diagnosis	Study Ref	Timing of current asthma ¹	Description of current asthma
Other/mixed (continued)	MCCON2	6	ever physician diagnosed and currently taking medication
	MELIA	4	at least one asthma attack in last 12m
	MELSOM	4	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)
	NHANE3	6	ever physician diagnosed asthma and still has asthma
	NICOLA	4	diagnosis of asthma or recurrent diagnosis of asthmatic/spastic/obstructive bronchitis with symptoms in last 12m
	NITTA	6	current asthma not clearly defined, but based on attacks of SOB with cough, phlegm and/or wheeze, and physician diagnosed asthma
	OHARA	4	diagnosed asthma and wheezing in last 12m
	PIC	4	asthma attacks in last 12m
	RIBEIR	2	asthma attack
	RONMAR	4	physician diagnosed asthma with either symptoms or use of asthma medication in last 12m
	SHOHAT	6	asthma (= asthma or spastic bronchitis. The term "spastic bronchitis" was described as "more commonly used by the public for asthma")
	SOMERV	4	at least one asthma attack in last 12m
	SOTOQU	6	asthma (= symptom score 3, based on symptoms after URTI, symptoms after exercise, frequent cough), or symptom score 2 + physician diagnosis of asthma)
	SPENGL	4	doctor diagnosed asthma, and SOB, wheeze or asthma medication in last 12m
	STANHO	4	one or more episodes labelled asthma in last 12m
	STERN1	4	asthma attack in past year
	STODDA	4	asthma (= asthma or wheezing in last 12m)

Appendix Table 14.2B (continued /5)

Basis of diagnosis	Study Ref	Timing of current asthma ¹	Description of current asthma
Other/mixed (continued)	STRACH	4	severe asthma (= in last 12m, 12+ episodes of wheezing or wheezing that limited speech to only 1 or 2 words between breaths)
	STURM	4	active physician diagnosed asthma (=ever diagnosed asthma and wheezing symptoms in last 12m)
	TARIQ	4	asthma (= 3+ episodes of cough & wheeze per year, each 3+ days)
	WANG	4	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)
	WEITZ1	6	ever had asthma lasting 3m+, not been cured
	WEITZ2	6	asthma onset > age 5 lasting 3m+, not been cured
	WIJGA	4	ever diagnosed asthma and asthma symptoms and/or asthma medication in last 12m
	WOLFO1	4	asthma in last year
	WOLFO2	4	asthma in last year
	WOLFO3	4	asthma in last year
ZHENG	6	ever physician diagnosed asthma and parents consider child has asthma	

¹ 1=current diagnosis; 2=in last n months, n<6; 3=in last n months, 6<=n<12; 4=in last n months, 12<=n<24; 5=in last 2 years; 6=current NOS.

Appendix Table 14.3 Other asthma outcomes for which results are available but which have not been entered on the relative risk database

Study Ref	Other asthma outcomes
AGABI1	Results available for past asthma (i.e. history of asthma but no symptoms in last 12m)
AGABI2	Results available for past asthma (i.e. history of asthma but no symptoms in last 12m)
ALFRA1	Results available for frequent asthma attack (>1/m) vs infrequent (<4/y)
ANDRAE	Results available for birch pollen induced asthma
ANNES2	Severe asthma (4+ speech limiting attacks or 1+ night-waking attack in last 12m) stated not related to passive smoking (text page 1019)
BRABIN	Results available for well controlled asthma
CUNNI1	Results available for ever diagnosed asthma and taken medication in last 12m
DEKOK	Multiple logistic regression 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
DUHME2	Results also available based on video questionnaire (rather than self-completion)
DUHME4	Results also available based on video questionnaire (rather than self-completion)
EHRLI2	Results available separately for acute asthma
FERGUS	Results available for maternal report of asthmatic attack (irrespective of medical treatment); for at least 2 medical consultations diagnosed as asthma or wheezy bronchitis; 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
FORSB1	Results available for recent asthma attacks (attacks of SOB with wheezing in last 12m)
FORSB2	Results available for recent asthma attacks (attacks of SOB with wheezing in last 12m)
FORSB3	Results available for recent asthma attacks (attacks of SOB with wheezing in last 12m)
FREEM1	Results are also presented for medication use, but it is not clearly defined and is probably not restricted to asthma medication

Appendix Table 14.3 (continued)

Study Ref	Other asthma outcomes
GILLIL	Results available for medication for asthma. Results also available for medication for asthma (GILLIL2001), and for early-onset (=up to age 3) persistent asthma, early-onset transient asthma, late-onset asthma (LONDON2001)
GOLD	Results available for incident doctor-diagnosed asthma with wheeze in same/previous year. These results are only in the form of risk per 10 cigarettes smoked by the mother (GOLD2003)
GORTM1	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?)
GORTM2	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?)
HU1	Results available for emergency hospital treatment for asthma in last 12 months
INFANT	Results available for persistent and transient asthma (assessed at 7-year followup of cases)
JAAKKO	Results available for early onset asthma (bronchial obstruction before age 2, physician diagnosed asthma, symptoms of asthma in 12m to age 4) (Bronchial obstruction is defined as 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)
KABESC	Results available for asthma diagnosis, atopic asthma, non-atopic asthma, current doctor's visit due to asthma, current medication for asthma, but only within GSTM1+ and GSTT1+ subgroups (online Table E2, E3)
KEARNE	Result available for exercise induced asthma
KUEHR	Results available for allergic asthma (= as sensitization in SPT to 1+ aeroallergen, and either physician diagnosed 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)
LISTER	Results available for use of health services for asthma (doctor, outpatient or emergency consultation in last 2 weeks, or hospital admission in last year)
MONTEF	Results available for very severe attacks of asthma
NHANE3	Results available for moderate or severe asthma; any hospital visit or any physician visit in last year; medication in past month
OCONNE	Results available for exacerbation of asthma
RATAGE	Results available for severe asthma (as asthma but with troublesome wheeze most days/nights, affecting activity and growth and requiring frequent medication), and for severe vs mild asthma
RONMA1	Results available for asthma profile (current asthma or wheezing or use of asthma medicines in last 12m); for asthma medication in last 12m
RONMA2	Results available (for small subset) for physician validated asthma

Appendix Table 14.3 (continued /2)

Study Ref	Other asthma outcomes
RONMA3	Results available for physician diagnosed asthma (not entered as less detail available than for 'ever asthma')
SENNHA	Results available for asthma symptom (= frequent night-time irritable cough)
SHAMSS	Text refers to "severe asthma attack", but results are only presented for various wheezing symptoms and it is not clear which of these is referred to
SHAMS2	Text refers to 'severe asthma attack', but results are only presented for various wheezing symptoms and it is not clear which of these is referred to
SPENGL	Results also available for current asthma-like symptoms (asthma symptoms, asthma medication use, awakening by asthma, wheeze on exercise, hospital care for wheeze in last 12m). The authors state that asthma may be underdiagnosed or not clearly remembered by parent
SQUILL	Results available (from a subset of the study) for 3+ symptoms suggestive of asthma and responded to histamine bronchoprovocation
STANHO	Results available for subclinical asthma (= 1+ episodes of wheeze not labelled as asthma and not associated with respiratory infection)
TARIQ	Results available for medication for asthma; for nocturnal asthmatic symptoms; for atopic and nonatopic asthma (i.e. with or without +ve SPT)
WEITZ1	Results available for physician-prescribed medication in last 2 weeks
WOLFO1	Results available for asthma score (sum of SOB with wheeze, physician diagnosed asthma and asthma in last year)
WOLFO2	Results available for asthma score (sum of SOB with wheeze, physician diagnosed asthma and asthma in last year)
WOLFO3	Results available for asthma score (sum of SOB with wheeze, physician diagnosed asthma and asthma in last year)

Appendix Table 14.4 Other aspects of passive smoke exposure for which results are available but which have not been entered on the relative risk database

Study Ref	Other aspects of passive smoking
AGUDOT	Results available for exposure outside home (exposure more than once a week in means of transport and other public places)
ALBA	Results available for family members smoke (as well as smoke in home which has been entered)
AZIZI	Results available for sharing bedroom with an adult smoker
BALL	Results available for parents likelihood of quitting
BUTZ	Results available for exposure in daycare; for change in smoking behaviour since diagnosis
CHEN2	Results available for total daily cigarette consumption by household members (as well as number smoked in home which has been entered)
GOLD	Results available for respirable particulate matter (shown to correspond to household smoking)
INFANT	Results available for smoking by the babysitter in the child's home
KABESC	Results available for in utero exposure, but only within GSTM1+ and GSTT1+ subgroups (online Table E2, E3)
KUEHR	Results available for mother started/quit smoking between child's age 1 and age 7
LEEDER	Results available for change in parental smoking habit
PONSON	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
SHIVA	Results also available by whether father smoked in presence of child or not
SPENGL	Results for other smoking variables (ETS exposure age <2, age 2-6, and currently) were reported to be positive for all outcomes, but were not presented in detail. Smoking variables similar to smoking during pregnancy were reported to show few statistically significant positive associations
SOYSET	Results available for mother smoked for >7 yrs; for father smoked for >7yrs
VARELA	Results available according to whether mother was main active smoker
WILLE2	Graphs showing case/control status by parental smoking (maternal or household) × cotinine (salivary or urinary) are available but are not distinct enough to extract data reliably

Appendix Table 14.5 Aspects of active smoking for which results are available but which have not been entered on the relative risk database

Study Ref	Aspects of active smoking
CHEN2	Results available for child (active) smoking (age 12+?)
DUHME2	Results available for child (active) smoking in last month
DUHME4	Results available for child (active) smoking in last month
GOLD	Results available for child (active) smoking
HU2	Results available for child (active) smoking
LAM1	Results available for child (active) smoking
LAM2	Results available separately for ever smoking children, and with ever smoking children included (as well as never smoking)
LEVES2	It is reported that no relationship between smoking and asthma was found
LEVES3	It is reported that no relationship between smoking and asthma was found
MCCON1	Results available for child (active) smoking
MELSOM	Results available for child (active) smoking
MOUSSA	Results available for child (active) smoking
RASANE	Child (active) smoking not significant (OR close to one)
SHERMA	Results available for child (active) smoking
STANHO	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
STURM	Results also available for child (active) smoking – number of cigarettes/day
ULRIK	Child (active) smoking rejected from MLR due to lack of significance
WITHER	Child (active) smoking is stated to be non-significant

Appendix Table 14.6 Stratifying variables (other than sex, age and race) for which results are available but which have not been entered on the relative risk database

Study Ref	Stratifying variables
AGABI1	Results for maternal smoking available stratified by parental asthma
AGABI2	Results for maternal smoking available stratified by parental asthma
ALFRA1	Results available for wheeze stratified by location
ANDRAE	Results available stratified for dampness in house
ANNES2	Sex-specific results are given in Figure 1 page 1020, but too small to be accurately extracted
BRABIN	Results available stratified by location
BURR	Results for wheeze available stratified by atopy
BUTZ	Results available stratified by SES
CELEDO	Results were said to be unchanged when restricted to subjects without rhinitis
CHEN2	Results available stratified by presence of allergy
CHINN	Results for asthma available stratified by sex and location (England inner city, England representative, Scotland)
DOLD	Results available stratified by cough for more than 14 days; by cough on exertion; by night cough; by repeated wheezing
EHRLI1	Results available stratified by maternal education
FERGUS	Results for at least two medical consultations for asthma or wheezy bronchitis are available for sexes separately
FORAST	Results available stratified by location (air pollution)
FORSB3	Results also available stratified by region
FREEMA1	Results also presented by country of origin for Hispanics (RR/CI available for Puerto Rico and Dominican Republic, but excluded from MLR regression for Mexico, therefore an overall result for Hispanics cannot be calculated)
GILLIL	Results for lifetime asthma stratified by age at diagnosis; by family history asthma; by family history atopy; by family history of asthma or allergy
GOLD	Results available stratified by sex (for exposure respirable particulate matter only)
JAAKKO	Results available stratified by parental atopy
JAAKK2	Results available by low/normal birth weight
KABESC	Results available stratified by GSTM1 or GSTT1 genotypes
KAPLAN	Results for asthma or bronchitis with wheezing are available by various strata
KAY	Results available stratified by child's eczema; and by social class

Appendix Table 14.6 (continued)

Study Ref	Stratifying variables
KERSHA	Results available stratified by father's occupation (services/civilian)
KUEHR	Results available stratified by atopy; by bronchial hyper-reactivity
LEEDER	Results available stratified by parental cough-phlegm
LINDFO	Results are available for 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)
MAIER	Results available restricted to those with history of chronic sore throat
MARTIN	Results available stratified for parental respiratory symptoms; maternal education
MCCON1	Results available stratified by wheeze at baseline
MELSOM	Results available stratified by urban/rural; by use of smoky fuels
MILLER	Results are also reported for ETS x PAH interaction
MURRAY	Results available stratified by atopic dermatitis
NICOLA	Results available by traffic exposure, but only in subgroup (about 20%) with traffic counts <50m from home
NILSSO	Some results are available for the interaction with urban/rural residence
OLIVET	Results available stratified by maternal history asthma; premature birth; bronchiolitis before age 2
PALMIE	Results available for cases subdivided on SPT, against combined control group
PONSON	Results available for babies with shared bedrooms by whether the bedroom door was closed or not
RONMA2	Results available for a small subset stratified by +ve skin prick test
SCHMIT	Results available stratified by location (air pollution zones)
SHOHAT	Results for current wheeze available stratified by sex and race (Jewish/Arab)
SQUILL	Results also available for subset of study undergoing further tests
STAZI	Results also available restricted to subjects with frequent infantile colic
STURM	Results stratified for allergy, parental history of asthma, race, gender and SES are reported not to differ significantly, and the pattern of increasing odds with increasing tobacco smoke exposure persisted in all stratified analyses
VAVILI	Results available by genotype strata (but no CIs)
VOLKME	Results available restricted to greater Adelaide (urban)
WOLFO1	Results available stratified by region (urban/rural)

Appendix Table 14.6 (continued /2)

Study Ref	Stratifying variables
WOLFO2	Results available stratified by region (urban/rural)
WOLFO3	Results available stratified by region (urban/rural)
