APPENDIX 6

Induction of asthma – children.

Detailed structure of the study database

Records, cards and fields are as explained in Appendix 5.

Card Name	Short Name	Position	Field Name	Short Name	Number	Type	
Study description	DESCR	1					
			Study title	TITLE	8	Character	(15)
			Full study title	FTITLE	9	Character	(50)
			Study sex	sSEX	10	Graded	(system 15)
			Lowest age in study	sAGELO	58	Measured+v	(0 to 18)
			Highest age in study (at baseline)	sAGEHI	59	Measured+v	(0 to 21)
			Highest age in study at final followup	sAGEHF	60	Measured	(0 to 25)
			Study race	sRACE	11	Graded	(system 16)
			Continent	CONT	12	Graded	(system 17)
			Country in N America	NAMER	14	Graded	(system 18)
			US state	USSTAT	15	Graded	(system 19)
			Country in S/C America	SCAMER	16	Graded>0	(system 21)
			Country in W Europe	WEUR	17	Graded	(system 22)
			Country in E Europe/Balkans	EEUR	18	Graded	(system 23)
			Country in Asia	ASIA	20	Graded	(system 25)
			Country in Australasia	AUSLIA	21	Graded	(system 27)
			Country in Africa	AFRICA	22	Graded	(system 31)
			Location within country	LOCAT	61	Character	(50)
			Start year of study	BEGYR	23	Measured	(1900 to 2002)
			End year of study	ENDYR	24	Measured	(1900 to 2002)
			Final follow up year	FINFYR	25	Measured	(1900 to 2002)
			Principal publication year	PUBYR	26	Measured	(1900 to 2002)
			Reference ID of principal publication	REFID	27	Character	(12)
			Reference ID of additional publication(s)	ADDREF	48	Character	(50)
			Overlap{ OVERLAP}	OVERL	57	Graded>0	(system 48)
			Principal/subsidiary study	PRINC	99	Graded>0	(system 51)
			REF group	REFGP	127	Character	(6)
			Phase of IESAST project	PHASE	141	Graded>0	(system 56)
Study design	DESIGN	2					
			Study type	STYPE	33	Graded	(system 28)
			Type of controls (for CC studies)	CONTRL	34	Graded	(system 29)
			Control diseases/cause of death	CONDIS	35	Character	(50)
			Type of population	POPUL	36	Graded	(system 42)
			Medical exclusions	MEDEXC	91	Character	(50)
			Other exclusions	OTHEXC	92	Character	(50)
			Type of population - controls (if diff from cases)	POPCON	72	Graded	(system 50)
			Respondent	RESPON	38	Graded	(system 44)
			Child smokes	CHISMO	63	Graded>0	(system 49)
			Standard questionnaire	QUEST	125	Graded	(system 54)
Asthma	ASTHMA	3					
			Lifetime/incidence/unspec asthma available	LIFAST	103	Presence	(system 6)
			Source of lifetime asthma diagnosis	DIAGLS	104	Graded	(system 43)
			Timing of lifetime asthma	TIMLAS	105	Graded>0	(system 52)
			Timing of incidence asthma	INCAST	126	Graded>0	(system 55)
			Description of lifetime asthma	DESLAS	106	Character	(50)
			Current asthma available	CURAST	107	Presence	(system 6)
			Current asthma is first occurrence	FIRAST	108	Presence	(system 6)
			Repeat measures for current asthma	REPCAS	109	Presence	(system 6)
			Source of current asthma diagnosis	DIAGCS	110	Graded	(system 43)
			Timing of current asthma	TIMCAS	111	Graded>0	(system 53)
			Description of current asthma	DESCAS	112	Character	(50)
			Number of lifetime asthma cases	NLAST	113	Measured	(0 to 32765)
			Number of current asthma cases	NCAST	114	Measured	(0 to 32765)
			Total number of subjects	NTOT	115	Measured	(0 to 999999)
Matching factors	MATCH	4					
			Cases and controls matched on sex	MATSEX	76	Presence	(system 6)
			Cases and controls matched on age (CC)	MATAGE	77	Presence	(system 6)
			Cases and controls matched on race	MATRAC	78	Presence	(system 6)
			Matched on location (within study area)	MATLOC	79	Presence	(system 6)
			Cases and controls matched on socioeconomic status	MATSES	80	Presence	(system 6)
			Matched on hospital admission (ward, date etc)	MATHOS	124	Presence	(system 6)

Confounders considered	CONFND	5			
Total number of adjustment factors used			TOTCO	44	Measured (0 to 99)
Adjusted for sex			COSEX	45	Presence (system 6)
Adjusted for age			COAGE	46	Measured (0 to 10)
Adjusted for race			CORACE	47	Measured (0 to 10)
Adjusted for location within study			COLOC	65	Measured (0 to 10)
Adjusted for type of respondent			CORESP	83	Measured (0 to 10)
Adjusted for interview setting			COIVST	86	Measured (0 to 10)
Adjusted for year of diagnosis			COYRDG	121	Measured (0 to 10)
Adjusted for family (parent/sibl) medical history			COFMED	66	Measured (0 to 10)
Adjusted for parent's age			COPAGE	93	Measured (0 to 10)
Adjusted for SES (inc parental education)			COSES	67	Measured (0 to 10)
Adjusted for household composition			COHOCO	68	Measured (0 to 10)
Adjusted for day care			CODAYC	95	Measured (0 to 10)
Adjusted for air conditioning/humidifier			COAIRC	69	Measured (0 to 10)
Adjusted for cooking/heating methods			COCOHE	90	Measured (0 to 10)
Adjusted for damp/mould in home			CODAMP	94	Measured (0 to 10)
Adjusted for housing quality/age/size			COHOUS	117	Measured (0 to 10)
Adjusted for pets in household			COPETS	88	Measured (0 to 10)
Adjusted for exposure to food/housedust allergens			COALGN	89	Measured (0 to 10)
Adjusted for farming			COFARM	96	Measured (0 to 10)
Adjusted for religion			CORELI	97	Measured (0 to 10)
Adjusted for mobility (par/ch brn abrd, moved hous			COMOB	120	Measured (0 to 10)
Adjusted for child other medical history/symptoms			COCMED	87	Measured (0 to 11)
Adjusted for obesity/BMI			COOBES	70	Measured (0 to 10)
Adjusted for exercise			COEXER	122	Measured (0 to 10)
Adjusted for diet/alcohol			CODIET	123	Measured (0 to 10)
Adjusted for child active smoking			COCHSM	71	Measured (0 to 10)
Adjusted for maternal smoking in pregnancy			COMSMP	84	Measured (0 to 10)
Adjusted for parental smoking current/since birth			COPSMC	85	Measured (0 to 10)
Adjusted for household ETS exposure			COHSM	118	Measured (0 to 10)
Adjusted for other ETS exposure			COOETS	142	Measured (0 to 10)
Other confounders considered but rejected			COREJE	119	Presence (system 6)
Other results (not current db)	OTHRES	6			
Other definitions of asthma available			OTHAST	53	Presence (system 6)
Wheezing/wheezing bronchitis available			WHEEZE	54	Presence (system 6)
Other exposures available			OTHEXP	55	Presence (system 6)
Other results for child smokers available			OTHCSM	64	Presence (system 6)
Results by other stratifying factors available			OTHSTR	82	Presence (system 6)
Derived 1 - RRs available	DER1	7			
Number of RRs			NRRS	131	Measured (0 to 100)
Parental exposure RRs			EXPAR	132	Measured (0 to 100)
Parental passive smoking exposure RRs			EXPARP	133	Measured (0 to 100)
Household exposure RRs			EXHH	134	Measured (0 to 100)
Total exposure RRs			EXTOT	135	Measured (0 to 100)
Biochemical exposure RRs			EXBIOC	137	Measured (0 to 100)
In utero x parent exposure combination RRs			EXUTP	138	Measured (0 to 100)
In utero x household combination exposure RRs			EXUTHH	139	Measured (0 to 100)
In utero x biochemical combination exposure RRs			EXUTBI	140	Measured (0 to 100)

The grading systems used are as follows

Grading System	Level	(character equivalent)
6	1	(x) present
15	1	(b) both
	2	(m) male
	3	(f) female
16	1	(a) all (in country)
	2	(w) whites (inc hispanic)
	3	(b) blacks
	4	(4) whites and blacks
	5	(5) whites excluding hispanics
	6	(c) chinese
	7	(j) japanese
	8	(8) fijians and indians
	9	(9) han chinese
17	1	(1) NAmerica
	2	(2) SCAmerica
	3	(3) WEurope/Scandinavia
	4	(4) EEurope/Balkans
	5	(5) Asia
	6	(6) Australasia
	7	(7) Africa
18	1	(1) USA
	2	(2) Canada
	3	(3) USA and Canada
19	1	(1) all
	2	(2) Cal,Wash,Oreg
	3	(3) Mont,Id,Wyo
	4	(4) Nev,Ut,Ariz
	5	(5) Colo,NMex
	6	(6) NDak,SDak,Neb
	7	(7) Kan,Okla
	8	(8) Tex
	9	(9) Minn,Ia,Wis,Ill,Mo
	10	(t) Ark,Miss,La,Al
	11	(a) Mich,Ind,Oh,Tenn
	12	(b) Fla,Ga,SC,NC
	13	(c) Pa,NJ,Md,WVa,Va,Del,WashDC
	14	(d) Vt,Me,NY,NH,Mass,RI,Conn
	15	(e) Ak
	16	(f) Hi
	17	(g) multi (not all)
21	1	(1) Costa Rica
	2	(2) Brazil
	3	(3) Mexico
	4	(4) Trinidad & Tobago
22	1	(1) UK
	2	(2) Ireland
	3	(3) Denmark
	4	(4) Norway
	5	(5) Sweden
	6	(6) Finland
	7	(7) Iceland
	8	(8) Spain
	9	(9) Portugal
	10	(t) France
	11	(a) Belgium
	12	(b) Netherlands
	13	(c) Luxembourg
	14	(d) Switzerland
	15	(e) Germany
	16	(f) Austria
	17	(g) Italy
	18	(h) Malta
	19	(i) Multi

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23      1 (1) Czechoslovakia etc
        2 (2) Greece
        3 (3) Hungary
        4 (4) Poland
        5 (5) Turkey
        6 (6) Russia

25      1 (1) Japan
        2 (2) China
        3 (3) HongKong
        4 (4) Malaysia
        5 (5) India
        6 (6) Nepal
        7 (7) Saudi Arabia
        8 (8) UAE
        9 (9) Taiwan
       10 (t) Israel
       11 (a) Sri Lanka
       12 (c) Korea

27      1 (1) Australia
        2 (2) New Zealand
        3 (3) Fiji

28      1 (c) case/control
        2 (p) prospective
        3 (x) cross-sectional

29      1 (1) healthy
        2 (2) diseased/hospital
        3 (3) healthy + diseased
        4 (4) unstated
        5 (5) decedents
        6 (6) healthy + decedents
        7 (7) diseased + decedents
        8 (8) subcohort

31      1 (1) Ghana
        2 (2) Kenya
        3 (3) Nigeria
        4 (4) South Africa
        5 (5) Mozambique

42      1 (1 ) all children
        2 (2 ) random children
        3 (3 ) all schoolchildren
        4 (4 ) random schoolchildren
        5 (5 ) all in given school(s)
        6 (6 ) random in given school(s)
        7 (7 ) all hosp/clinic patients
        8 (8 ) random hosp/clinic patients
        9 (9 ) all in given hosp/clinic(s)
       10 (a ) random in given hosp/clinic(s)
       11 (b ) all primary care patients
       12 (c ) random primary care patients
       13 (d ) all at given primary care(s)
       14 (e ) random at given prim care(s)
       15 (f ) school NOS
       16 (g ) primary care NOS
       17 (h ) all gvn hosp high allergy risk
       18 (i ) all fam newborn deliv gvn hosp
       19 (j ) rndm in gvn school(s) athletes
       20 (k ) all schlch living on farms
       21 (l ) all prim care & born same hosp
       22 (m ) all preterm infts brn gvn hosp
       23 (n ) all children rndm households
       24 (o ) all newborns at given hosp(s)
       25 (p ) all twins born same country
       26 (q ) all preschool routine hlth chk
       27 (r ) rnd newborns gvn hosp(s)
       28 (s ) all chld all asthmatic famlies
       29 (t ) all travellers + all gvn schl
       30 (u ) unspecified
       31 (v ) rndm newborns high SIDS risk
       32 (w ) hospital NOS
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       33 (x ) all gvn prim cr high algy risk
       34 (y ) all chld rndm parent NCDS
       35 (z ) bronchiolitis gvn hosp+pop con
       36 (36) all gvn schls + their families
       37 (37) all gvn health insurnce scheme

43      1 (1) Medical records
        2 (2) Parent report (physician diag)
        3 (3) Parent report (other/uns/mix)
        4 (4) Child report (physician diag)
        5 (5) Child report (other/uns/mix)
        6 (6) Med rec or par rep (phys diag)
        7 (7) Parent or child rep (phys dg)
        8 (8) Parent or child rep (oth/unsp)
        9 (9) Unspecified
       10 (a) Med rec or par rep (oth/unsp)

44      1 (c) Child
        2 (p) Parent
        3 (m) Medical records
        4 (b) Parent and child
        5 (u) Unspec (parent/child)
        6 (h) Household member
        7 (7) Accompanying adult
        8 (8) Parent or child (dep age)

48      1 (1) none
        2 (2) MCCON1/GILLIL
        3 (3) FARBE1/FARBE2/FARBE3
        4 (4) MELIA/SOMERV/CHINN
        5 (5) KELLY/BRABIN
        6 (6) HJERN1/HJERN2
        7 (7) STERN1/STERN2
        8 (8) KUEHR/SPIEKE
        9 (9) FORSB3/WILLE2
       10 (a) ALFRA1/ALFRA2
       11 (b) GOREN1/GOREN3/4/5/6
       12 (c) WOLFO1/WOLFO2/WOLFO3

49      1 (1) No mention
        2 (2) Smokers excl biochemically
        3 (3) Smokers excl questionnaire
        4 (4) Smokers excl unspecified
        5 (5) Smokers incl but few (bio/qu)
        6 (6) Smokers incl and adjusted for
        7 (7) No smokers found (bio/quest)
        8 (8) Assumed no smokers
        9 (9) Smokers included
       11 (b) Smkrs above given age excluded
       12 (c) No smkrs found above gvn age
       13 (d) Discussed, but no data avail
       14 (e) Smkrs inc as not signif univar
       15 (f) Smkrs inc, adj reje as not sig
       16 (g) Biochem excl discussd not used
       17 (h) No mention anal (but in quest)
       18 (i) No smokers NOS

50      1 (1) no chest/resp symptoms
        2 (2) all at given school(s)
        3 (3) no siblings with allergic dis
        4 (4) all newborns
        5 (5) no atopy
        6 (6) rndm from hosp catchment area
        7 (7) rndm at gvn schls no resp symp
        8 (8) no resp symptms or hist asthma
        9 (9) no signs of sensitisation
       10 (a) rndm hosp catchment no hist as
       11 (b) rndm schlch no asthma medicatn
       12 (c) no history recurrent wheeze
       13 (d) no TB, congen chest/heart prob
       14 (e) no history asthma

51      1 (1) Principal
        2 (2) Subsidiary
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52
1 (1) Lifetime
2 (2) NA (incidence only)
3 (3) from age 1
4 (4) unspecified
5 (5) from age 2
6 (6) from age 3
7 (7) up to baseline

53
1 (1) current diagnosis
2 (2) last n months (n<6)
3 (3) last n months (6<=n<12)
4 (4) last n months (12<=n<24)
5 (5) last n years (2<=n<5)
6 (6) current NOS
7 (7) since baseline

54
1 (1) Non std/NA/NK
2 (2) ISAAC
3 (3) ATS/NHLI/ESP
4 (4) MRC
5 (5) IUATLD
8 (8) WHO
9 (9) ICHPPC

55
1 (1) since baseline (earlier excl)
2 (2) lifetime (recruit at birth)
3 (3) lifetime (retrospective)
4 (4) NA (prevalence analysis only)

56
1 (1) Original
2 (2) Original but modified Nov05
3 (3) Added Nov05
4 (4) For later (no analysis yet)