

APPENDIX 5Induction of asthma – non-smoking adults.Detailed structure of the study database

Each record in the database refers to a study. It is identified by a unique six-character reference (REF). Each record consists of “fields” within “cards.” The cards separate the main classes of information recorded, while the fields contain the individual data items within each class. The database contains six cards which are listed overleaf, and are described briefly in §7.4 of the book. A further **Derived** fields card is used to hold data derived from the other fields rather than entered directly. The fields are also listed overleaf. Each card also has a free-text comment field where extra information can be recorded.

Each field may contain data of various types, including:

- presence : the item may be present or absent
- graded : the item may have one or more discrete levels defined in its associated grading system (the field type graded >0 is used for items which must be positive)
- measured : the item may take any integer value within the specified range
- character : the item is text with up to the defined number of characters
- real : the item may take any decimal value within the defined range.

In addition, each field may contain a code for “missing” or “not applicable.”

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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 34)
			Lowest age in study	sAGELO	11	Measured (0 to 99)
			Highest age in study (at baseline)	sAGEHI	12	Measured (0 to 99)
			Highest age in study at final followup	sAGEHF	13	Measured (0 to 99)
			Study race	sRACE	14	Graded (system 16)
			Continent	CONT	15	Graded (system 17)
			US state	USSTAT	16	Graded (system 36)
			Country in Europe	EUR	17	Graded (system 19)
			Country in Asia	ASIA	18	Graded (system 37)
			Location within country	LOCAT	19	Character (50)
			Start year of study	BEGYR	20	Measured (1900 to 2004)
			End year of study	ENDYR	21	Measured (1900 to 2004)
			Final follow up year	FINFYR	22	Measured (1900 to 2004)
			Principal publication year	PUBYR	23	Measured (1900 to 2004)
			Reference ID of principal publication	REFID	24	Character (12)
			Reference ID of additional publication(s)	ADDREF	25	Character (50)
			Overlap	OVERL	26	Graded>0 (system 21)
			Principal/subsidiary study	PRINC	27	Graded>0 (system 22)
			REF group	REFGP	28	Character (6)
Study design	DESIGN	2	Study type	STYPE	33	Graded (system 38)
			Type of controls (for CC studies)	CONTRL	34	Graded (system 39)
			Control diseases	CONDIS	35	Character (50)
			Type of population	POPUL	36	Graded (system 25)
			Medical exclusions	MEDEXC	37	Character (50)
			Other exclusions	OTHEXC	38	Character (50)
			Type of population - controls (if diff from cases)	POPCON	39	Graded (system 26)
			Respondent	RESPON	40	Graded (system 27)
			Never/non smoker definition	NEVSMO	41	Graded>0 (system 28)
			Questionnaire	QUEST	42	Graded (system 29)
Asthma	ASTHMA	3	Lifetime/incidence/unspec asthma available	LIFAST	47	Presence (system 6)
			Source of lifetime asthma diagnosis	DIAGLS	48	Graded (system 30)
			Timing of lifetime asthma	TIMLAS	49	Graded>0 (system 35)
			Timing of incidence asthma	INCAST	50	Graded>0 (system 32)
			Description of lifetime asthma	DESLAS	51	Character (50)
			Current asthma available	CURAST	52	Presence (system 6)
			Current asthma is first occurrence	FIRAST	53	Presence (system 6)
			Repeat measures for current asthma	REPCAS	54	Presence (system 6)
			Source of current asthma diagnosis	DIAGCS	55	Graded (system 30)
			Timing of current asthma	TIMCAS	56	Graded>0 (system 33)
			Description of current asthma	DESCAS	57	Character (50)
			Number of lifetime asthma cases	NLAST	58	Measured (0 to 32765)
			Number of current asthma cases	NCAS	59	Measured (0 to 32765)
			Total number of subjects	NTOT	60	Measured (0 to 32765)
Matching factors	MATCH	4	Cases and controls matched on sex	MATSEX	65	Presence (system 6)
			Cases and controls matched on age (CC)	MATAGE	66	Presence (system 6)
			Cases and controls matched on race	MATRAC	67	Presence (system 6)
			Matched on location (within study area)	MATLOC	68	Presence (system 6)
			Cases and controls matched on socioeconomic status	MATSES	69	Presence (system 6)
			Matched on hospital admission (ward, date etc)	MATHOS	70	Presence (system 6)
Confounders considered	CONFND	5	Total number of adjustment factors used	TOTCO	75	Measured (0 to 99)
			Adjusted for sex	COSEX	76	Presence (system 6)
			Adjusted for age	COAGE	77	Measured (0 to 10)
			Adjusted for race	CORACE	78	Measured (0 to 10)
			Adjusted for location within study	COLOC	79	Measured (0 to 10)
			Adjusted for type of respondent	CORESP	80	Measured (0 to 10)
			Adjusted for interview setting	COIVST	81	Measured (0 to 10)
			Adjusted for religion	CORELI	82	Measured (0 to 10)
			Adjusted for family (parent/sibl) medical history	COFMED	83	Measured (0 to 10)
			Adjusted for SES	COSES	84	Measured (0 to 10)
			Adjusted for household composition	COHOCO	85	Measured (0 to 10)

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Adjusted for air conditioning/humidifier	COAIRC	86	Measured	(0 to 10)
Adjusted for cooking/heating methods	COCOHE	87	Measured	(0 to 10)
Adjusted for damp/mould in home	CODAMP	88	Measured	(0 to 10)
Adjusted for housing quality/age/size	COHOUS	89	Measured	(0 to 10)
Adjusted for pets in household	COPETS	90	Measured	(0 to 10)
Adjusted for exposure to food/housedust allergens	COALGN	91	Measured	(0 to 10)
Adjusted for occupation	COOCC	92	Measured	(0 to 10)
Adjusted for education	COEDUC	93	Measured	(0 to 10)
Adjusted for mobility	COMOB	94	Measured	(0 to 10)
Adjusted for subject's medical history	COSMED	95	Measured	(0 to 10)
Adjusted for obesity/BMI	COOBES	96	Measured	(0 to 10)
Adjusted for exercise	COEXER	97	Measured	(0 to 10)
Adjusted for diet/alcohol	CODIET	98	Measured	(0 to 10)
Adjusted for active smoking (ex/never)	COACSM	99	Measured	(0 to 10)
Adjusted for maternal smoking in pregnancy	COMSMP	100	Measured	(0 to 10)
Adjusted for childhood ETS	COCETS	101	Measured	(0 to 10)
Adjusted for total ETS	COTETS	117	Measured	(0 to 10)
Adjusted for household ETS exposure	COHETS	102	Measured	(0 to 10)
Adjusted for workplace ETS exposure	COWETS	103	Measured	(0 to 10)
Other confounders considered but rejected	COREJE	104	Presence	(system 6)
Other results (not current db) OTHRES 6				
Other definitions of asthma available	OTHAST	109	Presence	(system 6)
Wheezing/wheezing bronchitis available	WHEEZE	110	Presence	(system 6)
Other exposures available	OTHEXP	111	Presence	(system 6)
Results available other defns of never/non smoking	OTHNSM	112	Presence	(system 6)
Results by other stratifying factors available	OTHSTR	113	Presence	(system 6)
Derived fields (1) DER1 7				
Number of RRs	NRRS	121	Measured	(0 to 100)
Household exposure RRs	EXHH	122	Measured	(0 to 100)
Workplace exposure RRs	EXWORK	124	Measured	(0 to 100)
Total exposure RRs	EXTOT	125	Measured	(0 to 100)
Biochemical exposure RRs	EXBIOC	126	Measured	(0 to 100)
Total exposure (questionnaire assessed) RRs	EXTOTQ	128	Measured	(0 to 100)

The grading systems used are as follows

Grading Level (character equivalent)	System
6	1 (x) present
16	1 (a) all (in study area) 2 (w) whites (inc hispanic) 3 (b) blacks 4 (4) whites and blacks 5 (5) whites (exc hispanic)
17	1 (1) NAmerica 2 (2) Europe 3 (3) Asia 4 (4) Australia 5 (5) multi
19	1 (1) Estonia 2 (2) Finland 3 (3) France 4 (4) Germany 5 (5) Poland 6 (6) Sweden 7 (7) Switzerland
21	1 (1) No overlap 2 (2) JANSON/RAHERI
22	1 (p) principal 2 (s) subsidiary
25	1 (1) all 2 (2) randomly selected 3 (3) farmers 4 (4) random households 5 (5) unstated
26	2 (2) without history of asthma
27	1 (s) subject 3 (3) subject or proxy
28	1 (1) Never smoked NOS 3 (3) Smoked < 1 cig/day for 1 year 4 (4) Never smoked not even few/week 5 (5) Never smoked regularly/daily 6 (6) Smk <20 pks cigs/360g lifetime 7 (7) <1 cig/d 1 cigr/w lyr, or 360g 8 (8) Smoked < 1 year 9 (9) Not current smoker 10 (a) Not active smoker 11 (b) Not curr smk and serum cot <14 12 (c) Serum cotinine <14 ng/ml
29	1 (1) Non std/NA/NK 4 (4) MRC 5 (5) ECRHS
30	1 (m) Medical records 2 (s) Self report (doctor diag) 3 (3) Self report (other/unspec/mix) 4 (4) Proxy report (doctor diag) 5 (5) Proxy report (other/unsp/mix)
32	1 (1) since baseline (earlier excl) 4 (4) NA (only prevalence analysis)
33	1 (1) current diagnosis 4 (4) in last n months (12<=n<24) 6 (6) current NOS

- 34 1 (b) both
3 (f) female
- 35 1 (1) Lifetime
2 (2) NA (incidence only)
4 (4) from age 16 (ie adult onset)
6 (6) unspecified
- 36 1 (n) nationwide
2 (m) multi (not all)
3 (c) California
4 (d) Delaware
- 37 1 (i) India
2 (s) Singapore
- 38 1 (c) case/control
2 (p) prospective
3 (x) cross sectional
- 39 1 (h) healthy
2 (d) diseased
3 (b) both
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