APPENDIX 7
Induction of asthma – non-smoking adults.
Detailed structure of the relative risk database

Each record in the database refers to a specific comparison. There may be multiple records from a study, and, within each study, each record is uniquely defined in terms of its definitions of outcome, exposure and non-exposure, confounders adjusted for and strata. It is identified by the six-character reference (REF) linking it to the corresponding record on the study database, and by a number (NRR) within the study. 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 four cards which are listed overleaf, and are described briefly in §7.7 of the book. Further derived fields cards (DER2, DER3) are 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. Field types are as described in Appendix 5.

Card Name	Short Name	Position			
Field Name			Short Name	Number	Type
RR Description	RRDEF	1			
Number of RR within study			NRR	8	Measured+v (1 to 440)
Sex			RSEX	9	Graded>0 (system 16)
Lowest age in RR			rAGELO	10	Measured (0 to 99)
Highest age in RR			rAGEHI	11	Measured (0 to 99)
Race			rRACE	12	Graded (system 27)
Time of asthma			rASTIM	13	Graded>0 (system 17)
Onset			ONSET	14	Presence (system 6)
Odds ratio used for onset			ODDSON	15	Presence (system 6)
Exposure type			EXPOS	16	Graded>0 (system 18)
Household – who smoked			WHOHOU	17	Graded>0 (system 19)
Total – who smoked			WHOTOT	18	Graded>0 (system 20)
Exposure – when smoked			WHESMO	19	Graded (system 21)
Dose-response			DOSER	20	Graded>0 (system 22)
Measure of exposure			MEASEX	21	Graded>0 (system 23)
Exposed – low value			EXPLO	22	Real (0.00 to 999.00)
Exposed – high value			EXPHI	23	Real (0.00 to 999.00)
Unexposed – time			UNEXTI	24	Graded>0 (system 24)
Unexposed – source			UNEXSO	25	Graded>0 (system 25)
Unexposed – high value			UNEXHI	26	Real (0.00 to 999.00)
Source			SOURCE	27	Character (50)
RR adjustment	RRADJ	2			
Adjusted for sex			ADSEX	32	Presence (system 6)
Adjusted for age			ADAGE	33	Presence (system 6)
Adjusted for race			ADRACE	34	Presence (system 6)
Adjusted for active smoking (ex/never)			ADACSM	35	Presence (system 6)
Adjusted for other sources of ETS			ADOETS	36	Graded (system 26)
Adjusted for other variables			ADOTHR	37	Graded (system 26)
RR data	RRDATA	3			
Cases exposed			CA1	42	Measured (0 to 9999)
Cases, unexposed			CA0	43	Measured (0 to 9999)
Controls, exposed			CO1	44	Measured (0 to 9999)
Controls, unexposed			CO0	45	Measured (0 to 9999)
Relative risk			RR	46	Real (0.00 to 999.00)
RR lower 95% CL			RRL	47	Real (0.00 to 999.00)
RR upper 95% CL			RRU	48	Real (0.00 to 999.00)
Derived RR			DERIVE	49	Graded (system 28)
Discrepancy	DISCR	4			
Derived 2 – Principal/subsid	DER2	5			
REF group			REFGP	62	Character (6)
Principal/subsidary RR			RPRINC	63	Graded (system 29)
Derived 3 – RR checks	DER3	6			
Central RR/CI (should be 1.0)			CENTR	68	Real (0.000 to 999.000)
Minimum number of cases (CC/CS study)			MINCAS	69	Real (0.0 to 16959.0)
Minimum number of subjects in total (CC/CS study)			MINTOT	70	Real (0.0 to 16959.0)
Transformed Fields	TRI	-3			
N adjusted for			ADTOT	58	Measured (0 to 20)

The grading systems used are as follows
_____
  Grading   Level (character equivalent)
  System
_____

    6   1 (x) present

   16   1 (b) both
             2 (m) male
             3 (f) female

   17   1 (l) lifetime
             2 (c) current

   18   1 (h) household
             2 (w) work
             3 (t) total

   19   1 (a) all
             2 (m) mother
             3 (f) father

   20   1 (1) total NOS
             2 (2) serum cotinine
             3 (3) home and/or work

   21   1 (l) lifetime
             2 (n) current (now)
             3 (y) childhood (youth)
             4 (e) ever
             5 (m) marriage
             6 (u) unspecified
             7 (r) recent years
             8 (8) childhood but not adult
             9 (9) adult but not childhood
            10 (a) adult
            11 (b) both adult and child

   22   1 (1) all
             2 (2) level 1
             3 (3) level 2
             4 (4) level 3
             5 (5) level 4
             6 (6) level 5
             7 (7) level 6
             8 (8) level 7
             9 (9) level 8
            10 (a) level 9
            11 (b) per unit dose regression
            12 (c) dose response other

   23   1 (1) yes/no
             2 (n) cigarettes/day
             3 (y) years
             4 (k) pack-years
             5 (h) hours/day
             6 (b) ng/ml
             7 (7) persons

   24   1 (1) non
             2 (2) never
             3 (3) non+other

   25   1 (1) none (or low)
             2 (2) none of type (as in EXPOS)
             3 (3) neither parent
             4 (4) not specified hh menber

   26   1 (1) 1
             2 (2) 2
             3 (3) 3
             4 (4) 4
             5 (5) 5
             6 (6) 6
             7 (7) 7
             8 (8) 8

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       9 (9) 9
      10 (a) 10
      11 (b) 11
      12 (c) 12
      13 (d) 13
      14 (e) 14
      15 (f) 15
      16 (g) 16
      17 (h) 17
      18 (i) 18
      19 (j) 19
      20 (k) +ve but unknown

27     2 (w) white
       3 (b) black
       4 (4) white exc hispanic
       5 (5) hispanic white

28     1 (1) original
       2 (2) RR/CI from numbers
       3 (3) RR/CI recalc from numbers
       4 (4) Sum over exposure levels
      10 (a) non-significant
      11 (b) significant
      14 (e) F&L over exposure levels

29     1 (1) principal
       2 (2) subsidiary study
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